

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112018\
 Data File : VF060802.D
 Acq On : 20 Nov 2018 13:08
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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 11/21/2018 2:00:59 PM

Quant Time: Nov 20 17:03:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	203379	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.61	114	346858	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	311316	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	159512	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	103731	44.72	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	89.44%	
35) Dibromofluoromethane	4.12	113	117665	45.13	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	90.26%	
50) Toluene-d8	7.56	98	325592	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
62) 4-Bromofluorobenzene	11.42	95	153001	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	155870	42.82	ug/l	97
3) Chloromethane	1.11	50	107449	47.60	ug/l	96
4) Vinyl Chloride	1.15	62	97627	48.35	ug/l	95
5) Bromomethane	1.34	94	63804	49.74	ug/l	95
6) Chloroethane	1.39	64	43257	54.75	ug/l	99
7) Trichlorofluoromethane	1.50	101	203324	45.53	ug/l	93
8) Diethyl Ether	1.63	74	30877	53.97	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.83	101	104282	49.56	ug/l	94
10) Methyl Iodide	1.90	142	167354m	49.57	ug/l	
11) Tert butyl alcohol	2.57	59	28369	268.71	ug/l	96
12) 1,1-Dichloroethene	1.79	96	85579	51.58	ug/l	95
13) Acrolein	2.01	56	25724	266.48	ug/l	100
14) Allyl chloride	2.10	41	153977	52.97	ug/l	87
15) Acrylonitrile	2.94	53	64435	286.42	ug/l	96
16) Acetone	2.24	43	142287	286.96	ug/l	94
17) Carbon Disulfide	1.83	76	248675m	49.59	ug/l	
18) Methyl Acetate	2.35	43	41979	51.56	ug/l	93
19) Methyl tert-butyl Ether	2.43	73	208249	52.32	ug/l	99
20) Methylene Chloride	2.19	84	86076m	52.37	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	91469	52.76	ug/l	94
22) Diisopropyl ether	2.81	45	311732	55.55	ug/l	94
23) Vinyl Acetate	3.19	43	750107	283.85	ug/l	99
24) 1,1-Dichloroethane	2.88	63	168263	49.52	ug/l	100
25) 2-Butanone	4.34	43	215942	264.78	ug/l	96
26) 2,2-Dichloropropane	3.61	77	128270	47.98	ug/l	95
27) cis-1,2-Dichloroethene	3.49	96	146149	49.56	ug/l	94
28) Bromochloromethane	3.72	49	92195	52.21	ug/l	95
29) Tetrahydrofuran	4.09	42	91276	271.33	ug/l	96
30) Chloroform	3.86	83	254977	46.77	ug/l	93
31) Cyclohexane	3.69	56	199088	48.28	ug/l	96
32) 1,1,1-Trichloroethane	4.10	97	193030	44.97	ug/l	97
36) 1,1-Dichloropropene	4.29	75	191386	47.58	ug/l	100
37) Ethyl Acetate	4.12	43	73967	49.46	ug/l	# 76
38) Carbon Tetrachloride	4.00	117	168225	43.10	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	220294	47.20	ug/l	97
40) Benzene	4.64	78	436397	48.67	ug/l	97
41) Methacrylonitrile	4.76	41	44391	56.21	ug/l #	91
42) 1,2-Dichloroethane	4.96	62	145817	47.06	ug/l	100
43) Isopropyl Acetate	6.97	43	100205	50.53	ug/l	95
44) Trichloroethene	5.51	130	136560	48.27	ug/l	100
45) 1,2-Dichloropropane	6.24	63	115173	49.36	ug/l	91
46) Dibromomethane	6.09	93	75394	48.95	ug/l	92
47) Bromodichloromethane	6.40	83	181991	46.27	ug/l	98
48) Methyl methacrylate	6.72	41	66765	50.87	ug/l	99
49) 1,4-Dioxane	6.71	88	13621	1109.79	ug/l	93
51) 4-Methyl-2-Pentanone	8.26	43	362334	252.65	ug/l	98
52) Toluene	7.63	92	280759	46.72	ug/l	99
53) t-1,3-Dichloropropene	8.29	75	150031	47.62	ug/l	98
54) cis-1,3-Dichloropropene	7.30	75	195086	47.67	ug/l	97
55) 1,1,2-Trichloroethane	8.50	97	83896	48.86	ug/l	95
56) Ethyl methacrylate	8.63	69	88891	45.59	ug/l	99
57) 1,3-Dichloropropane	8.86	76	147671	49.63	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.63	63	42888	240.78	ug/l	100
59) 2-Hexanone	9.49	43	259466	257.44	ug/l	98
60) Dibromochloromethane	8.73	129	118258	48.33	ug/l	90
61) 1,2-Dibromoethane	8.99	107	93393	51.72	ug/l	99
64) Tetrachloroethene	8.16	164	117071	47.49	ug/l	97
65) Chlorobenzene	9.81	112	305673	48.66	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.94	131	133352	48.67	ug/l	97
67) Ethyl Benzene	9.91	91	556628	47.01	ug/l	99
68) m/p-Xylenes	10.15	106	398043	94.06	ug/l	98
69) o-Xylene	10.72	106	223144	46.90	ug/l	99
70) Styrene	10.80	104	298245	46.19	ug/l	95
71) Bromoform	10.78	173	60412	49.03	ug/l	99
73) Isopropylbenzene	11.13	105	653601	50.91	ug/l	99
74) N-amyl acetate	11.38	43	157786	53.98	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.70	83	112806	53.14	ug/l	100
76) 1,2,3-Trichloropropane	11.80	75	78049	49.51	ug/l	97
77) Bromobenzene	11.51	156	139280	52.11	ug/l	89
78) n-propylbenzene	11.61	91	739892	49.41	ug/l	100
79) 2-Chlorotoluene	11.72	91	431127	49.54	ug/l	97
80) 1,3,5-Trimethylbenzene	11.83	105	511710	50.20	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	41783m	53.95	ug/l	
82) 4-Chlorotoluene	11.91	91	437637	49.08	ug/l	93
83) tert-Butylbenzene	12.14	119	534430	49.38	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	513061	48.67	ug/l	95
85) sec-Butylbenzene	12.32	105	724620	49.35	ug/l	99
86) p-Isopropyltoluene	12.46	119	615299	50.18	ug/l	96
87) 1,3-Dichlorobenzene	12.48	146	259454	48.78	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	258998	50.67	ug/l	95
89) n-Butylbenzene	12.85	91	603196	48.20	ug/l	99
90) Hexachloroethane	12.93	117	152861	50.97	ug/l	91
91) 1,2-Dichlorobenzene	12.95	146	250686	50.06	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.65	75	20582	51.59	ug/l	79

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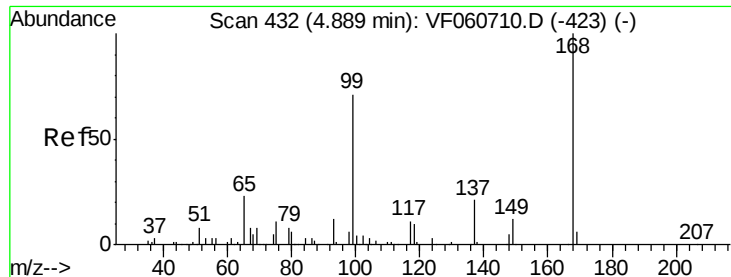
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	180250	50.08	ug/l	93
94) Hexachlorobutadiene	14.20	225	120039	51.03	ug/l	98
95) Naphthalene	14.47	128	344707	52.48	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	172437	51.84	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 168 Resp: 203379

Ion Ratio Lower Upper

168 100

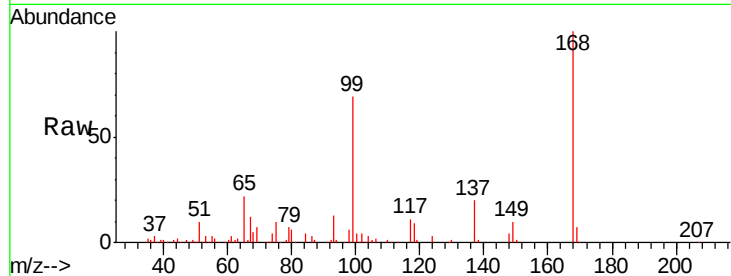
99 69.4 57.2 85.8

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

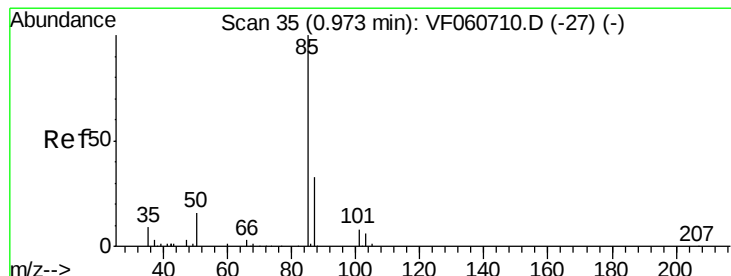
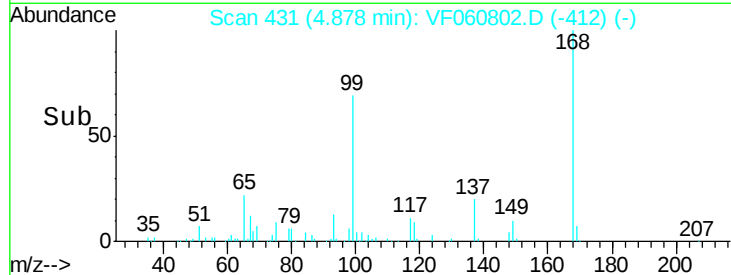
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.82 ug/l

RT: 0.97 min Scan# 35

Delta R.T. -0.00 min

Lab File: VF060802.D

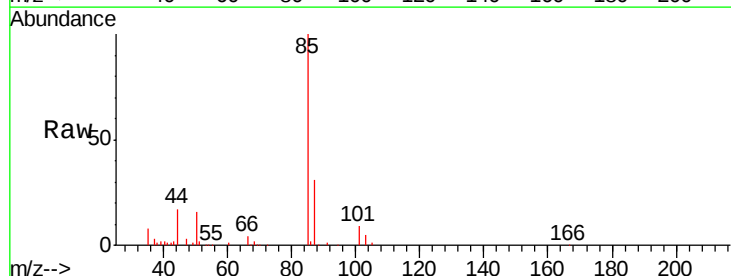
Acq: 20 Nov 2018 13:08

Tgt Ion: 85 Resp: 155870

Ion Ratio Lower Upper

85 100

87 31.1 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

50000

40000

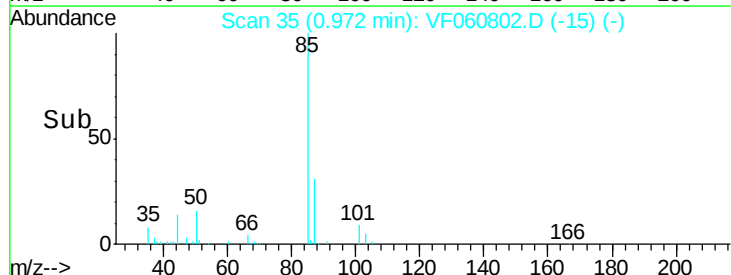
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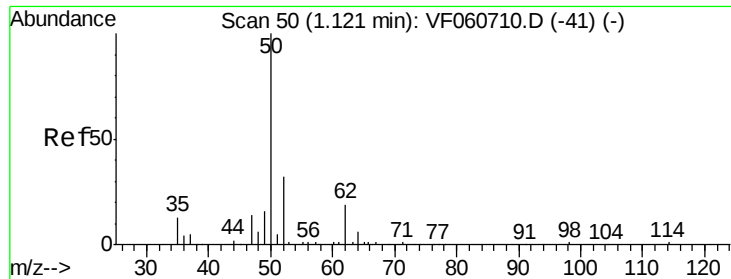
20000

10000

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Time-->





#3

Chloromethane

Concen: 47.60 ug/l

RT: 1.11 min Scan# 49

Delta R.T. -0.01 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 107449

Ion Ratio Lower Upper

50 100

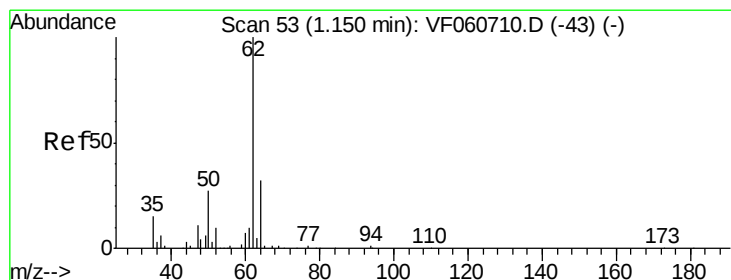
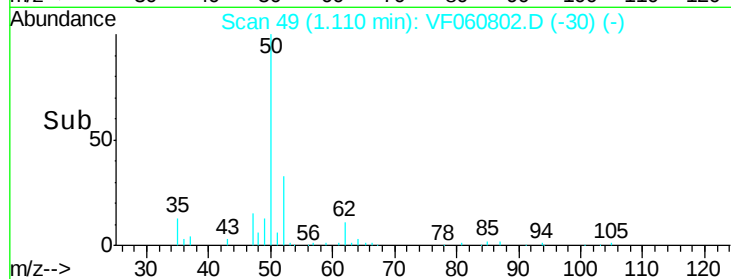
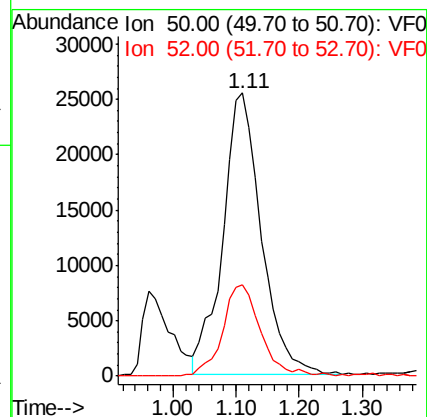
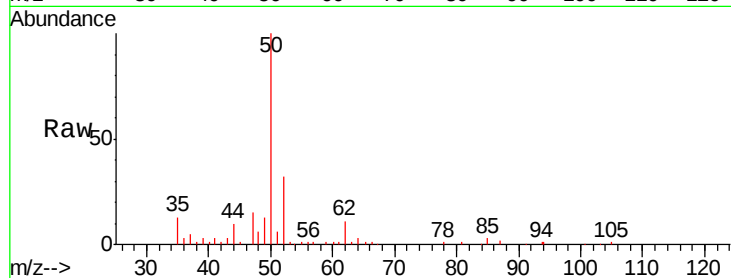
52 32.3 24.2 36.2

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#4

Vinyl Chloride

Concen: 48.35 ug/l

RT: 1.15 min Scan# 53

Delta R.T. -0.00 min

Lab File: VF060802.D

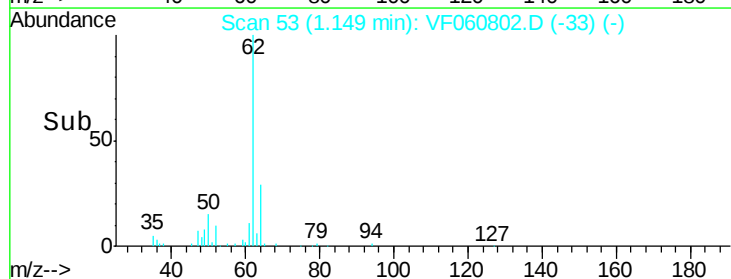
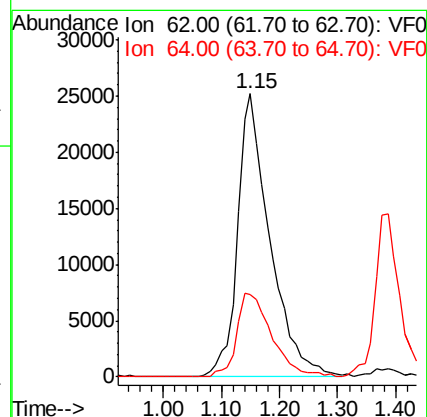
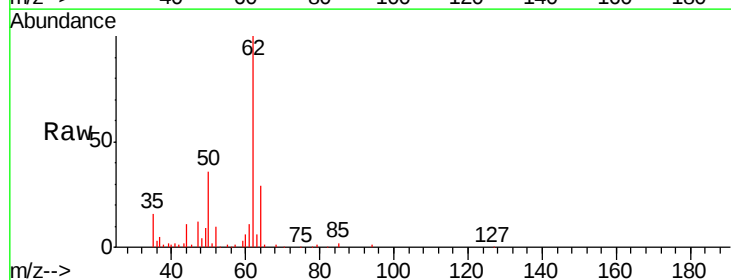
Acq: 20 Nov 2018 13:08

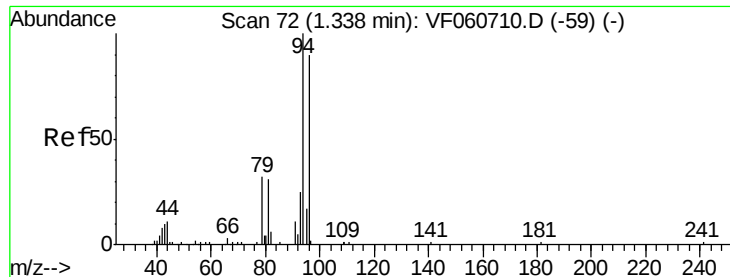
Tgt Ion: 62 Resp: 97627

Ion Ratio Lower Upper

62 100

64 29.2 25.8 38.8





#5

Bromomethane

Concen: 49.74 ug/l

RT: 1.34 min Scan# 72

Delta R.T. -0.00 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 63804

Ion Ratio Lower Upper

94 100

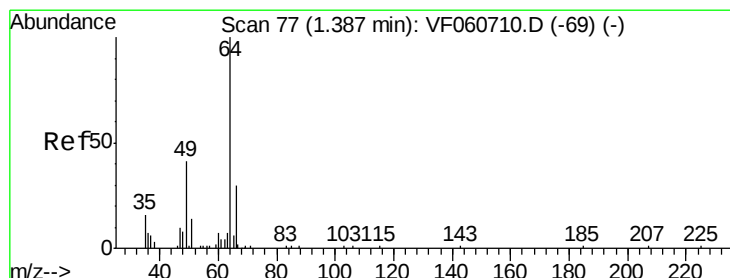
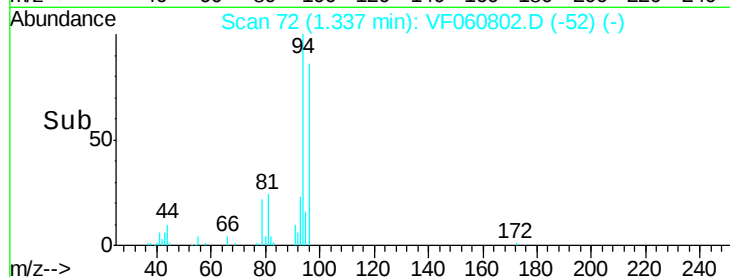
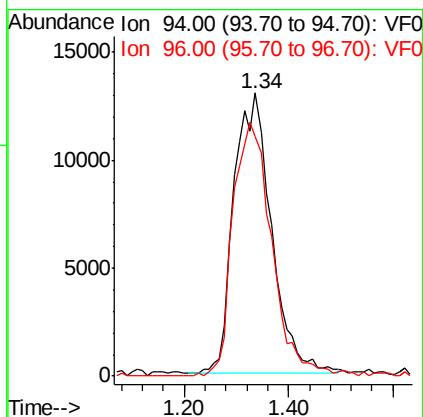
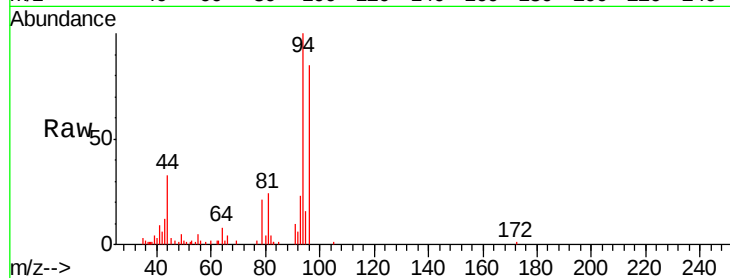
96 84.9 71.9 107.9

Manual Integrations

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#6

Chloroethane

Concen: 54.75 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF060802.D

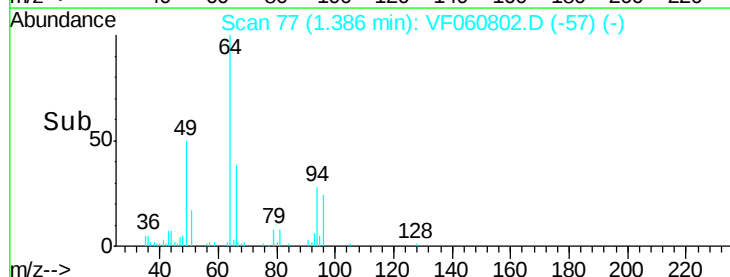
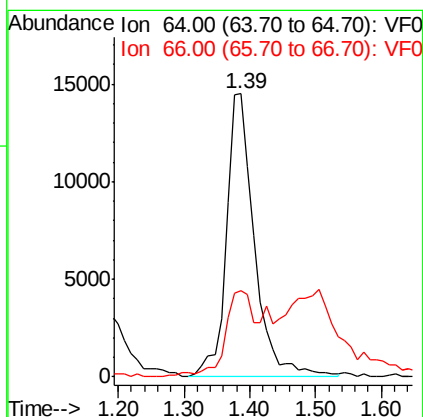
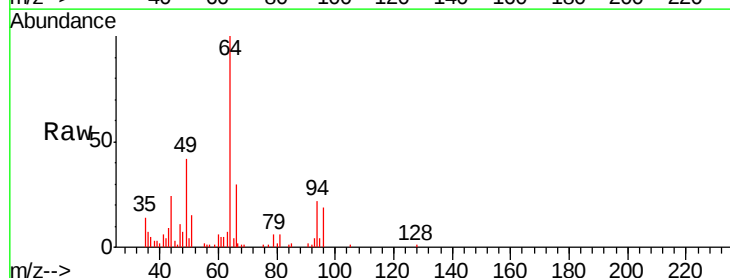
Acq: 20 Nov 2018 13:08

Tgt Ion: 64 Resp: 43257

Ion Ratio Lower Upper

64 100

66 30.5 24.8 37.2





#7

Trichlorofluoromethane

Concen: 45.53 ug/l

RT: 1.50 min Scan# 89

Delta R.T. -0.00 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 101 Resp: 203324

Ion Ratio Lower Upper

101 100

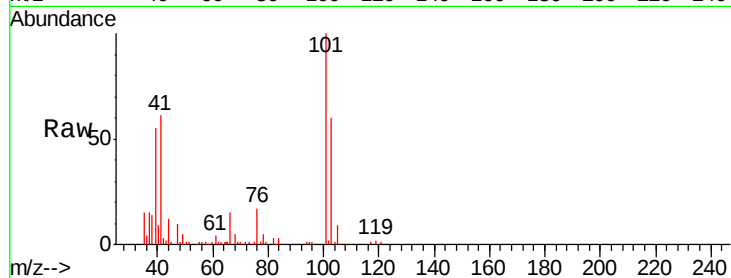
103 60.4 53.1 79.7

Manual Integrations

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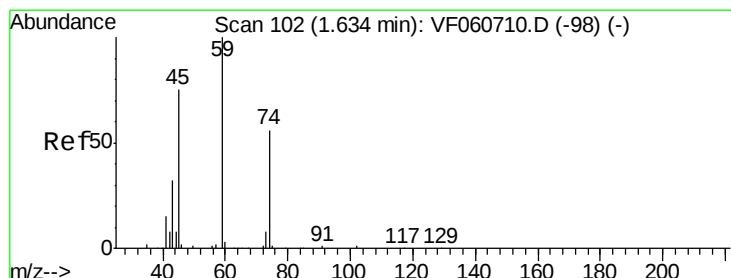
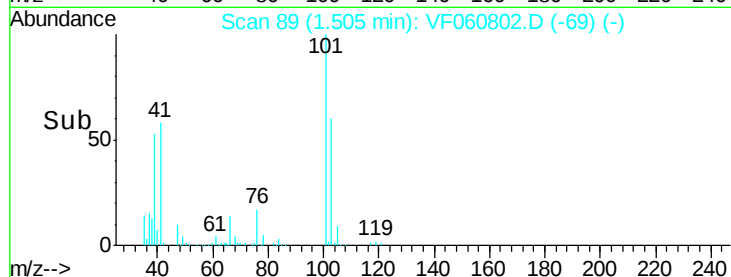
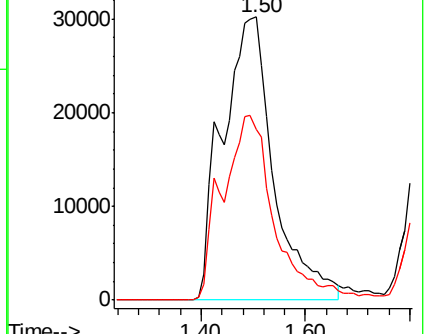
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 53.97 ug/l

RT: 1.63 min Scan# 102

Delta R.T. -0.00 min

Lab File: VF060802.D

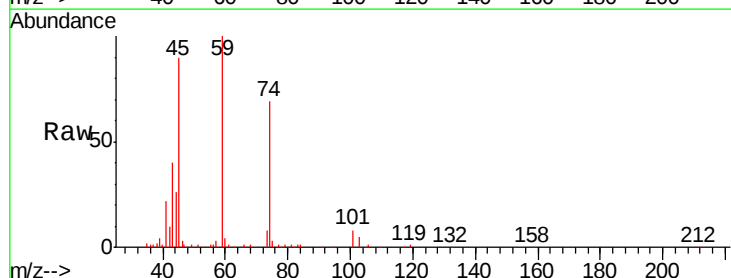
Acq: 20 Nov 2018 13:08

Tgt Ion: 74 Resp: 30877

Ion Ratio Lower Upper

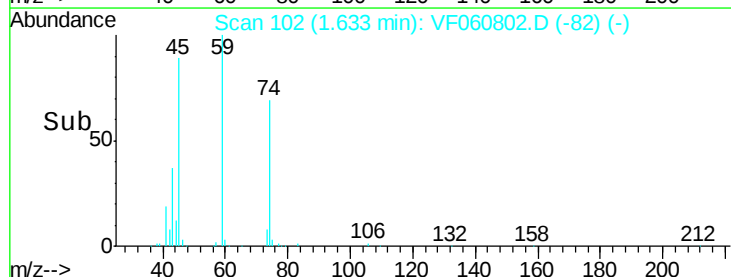
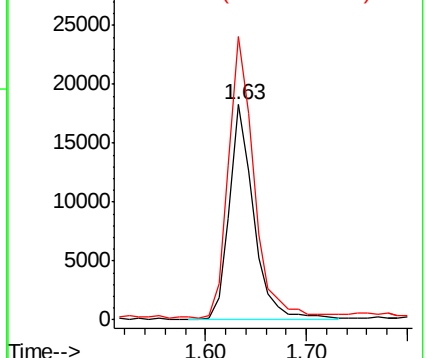
74 100

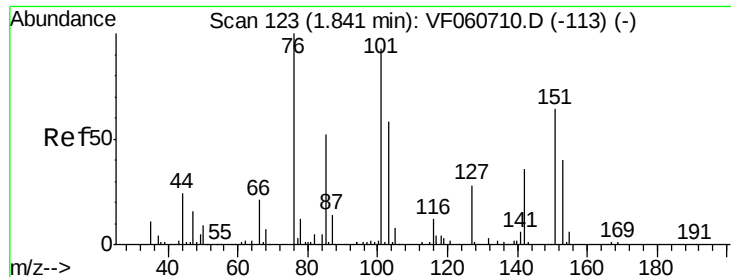
45 131.5 67.7 203.1



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.56 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

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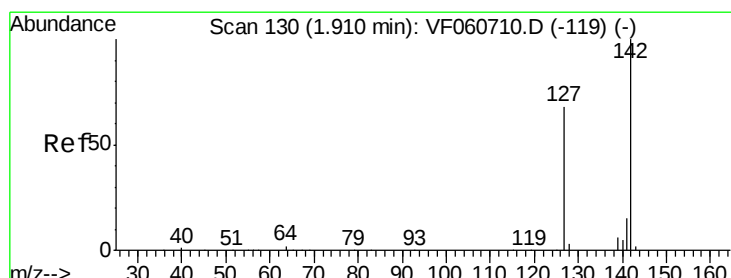
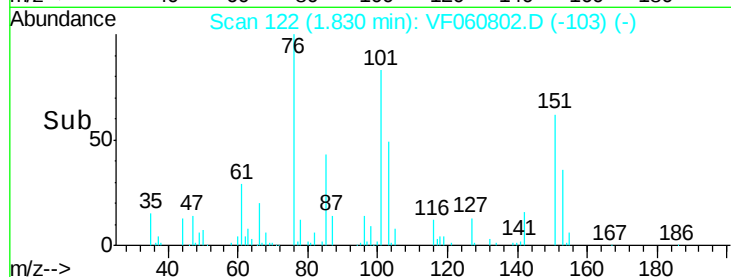
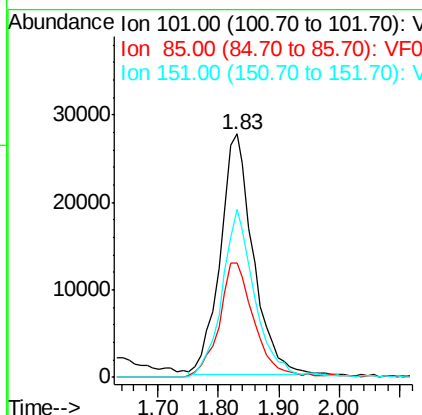
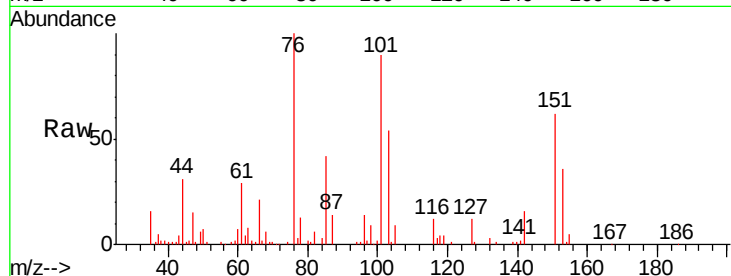
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	104282
Ion Ratio	Lower	Upper	
101	100		
85	47.1	43.6	65.4
151	68.9	53.1	79.7

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#10

Methyl Iodide

Concen: 49.57 ug/l m

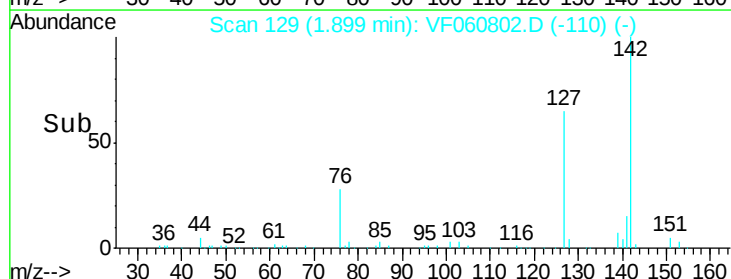
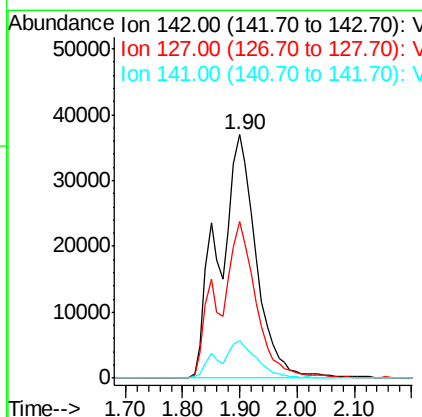
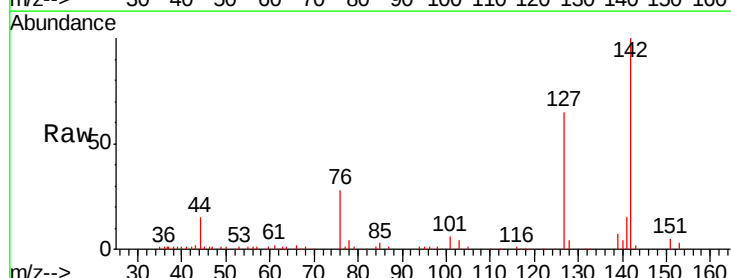
RT: 1.90 min Scan# 129

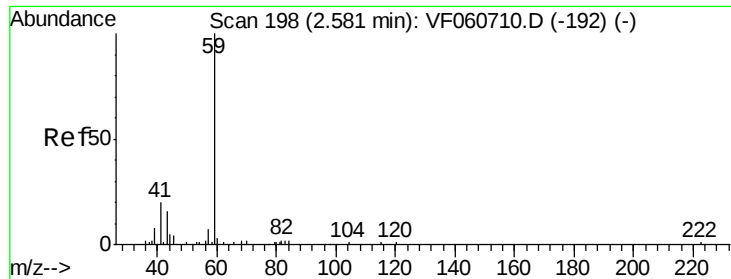
Delta R.T. -0.01 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

Tgt Ion:	142	Resp:	167354
Ion Ratio	Lower	Upper	
142	100		
127	64.5	54.0	81.0
141	15.2	12.3	18.5





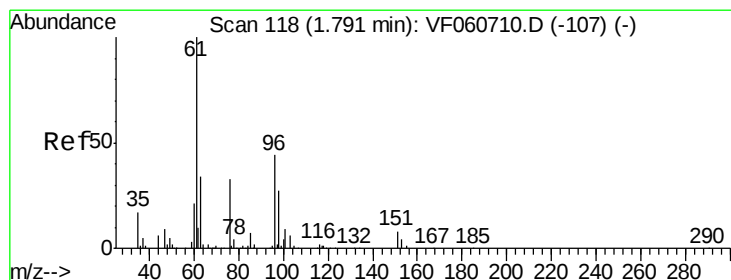
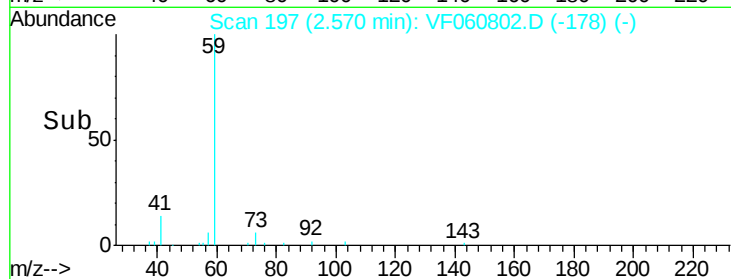
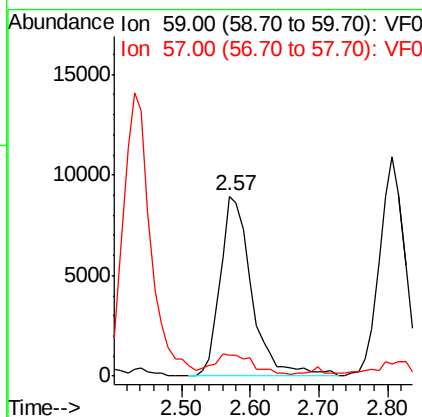
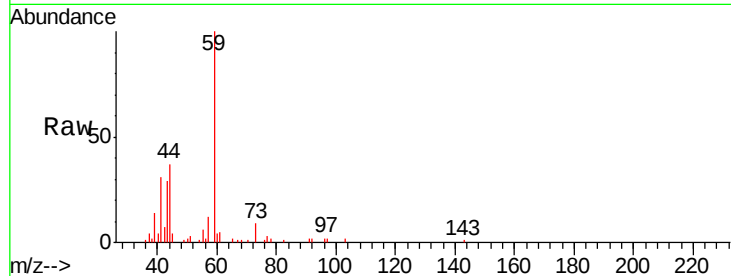
#11
Tert butyl alcohol
Concen: 268.71 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF060802.D
Acq: 20 Nov 2018 13:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 28369
Ion Ratio Lower Upper
59 100
57 11.7 10.5 15.7

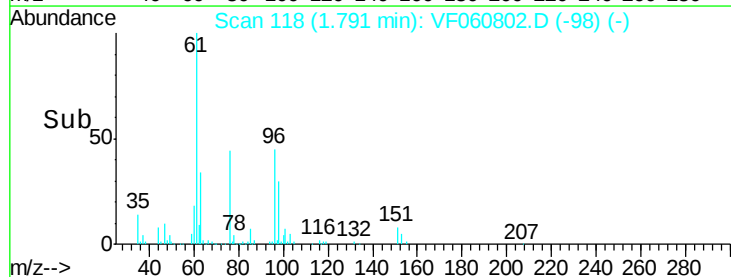
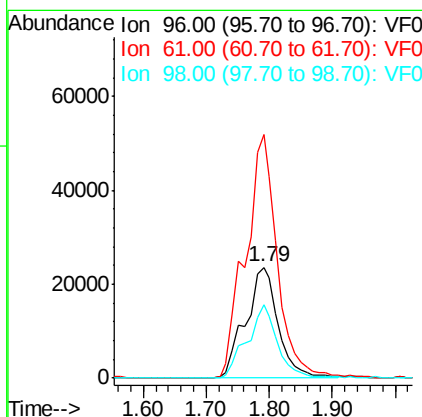
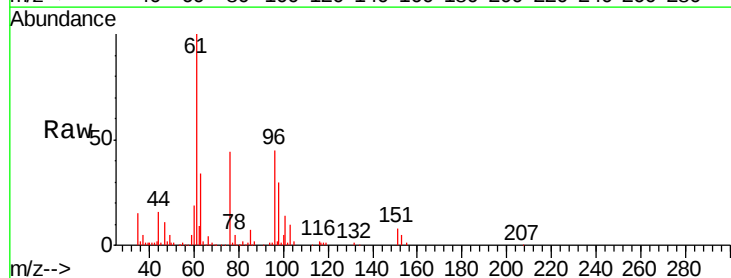
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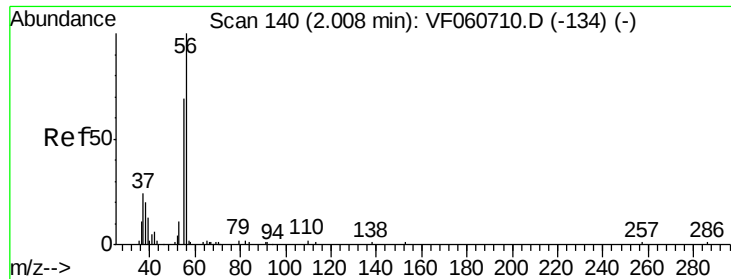
apatel
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#12
1,1-Dichloroethene
Concen: 51.58 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF060802.D
Acq: 20 Nov 2018 13:08

Tgt Ion: 96 Resp: 85579
Ion Ratio Lower Upper
96 100
61 220.0 182.2 273.2
98 66.5 49.2 73.8





#13

Acrolein

Concen: 266.48 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 25724

Ion Ratio Lower Upper

56 100

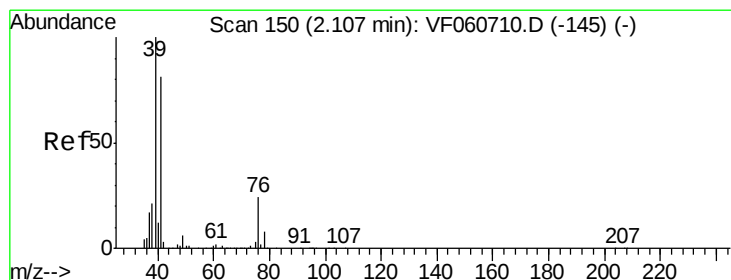
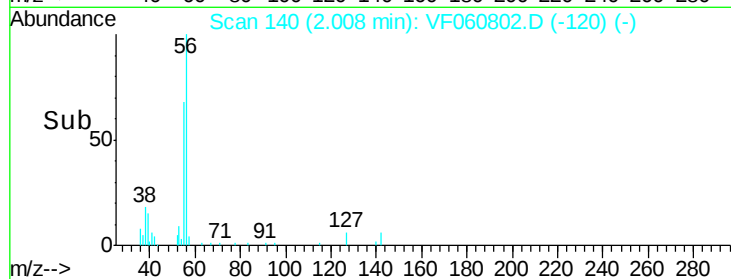
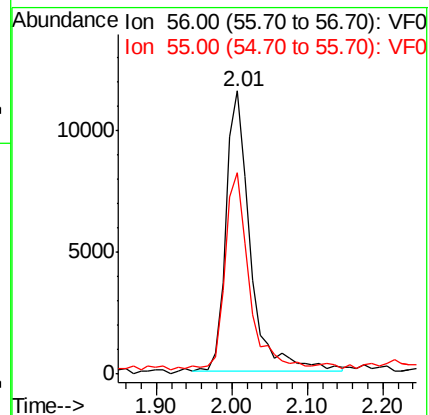
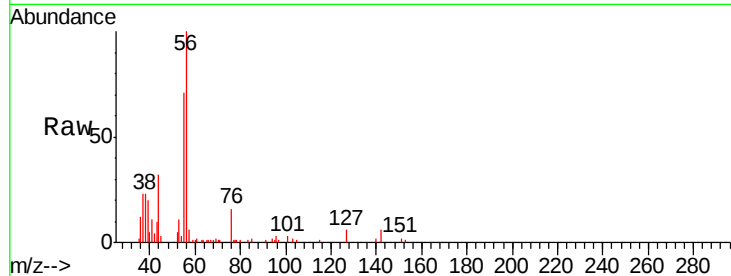
55 71.2 56.6 85.0

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#14

Allyl chloride

Concen: 52.97 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.01 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

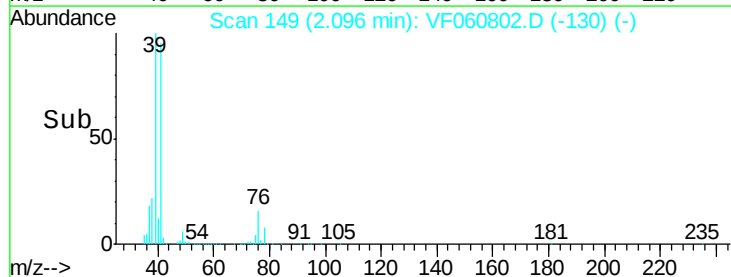
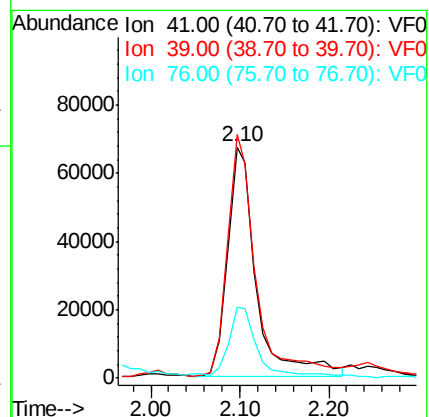
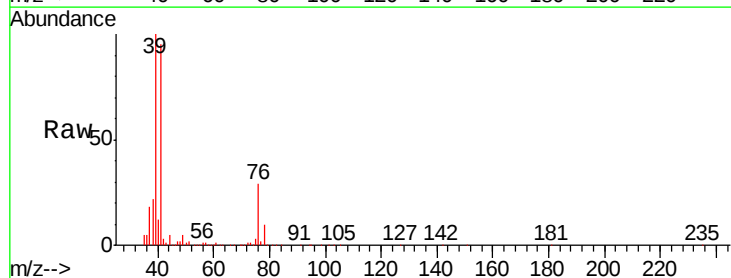
Tgt Ion: 41 Resp: 153977

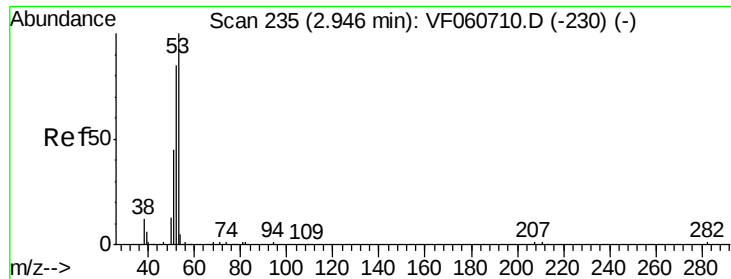
Ion Ratio Lower Upper

41 100

39 105.3 98.5 147.7

76 30.6 24.5 36.7





#15

Acrylonitrile

Concen: 286.42 ug/l

RT: 2.94 min Scan# 235

Delta R.T. -0.00 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

Instrument :

MSVOA_F

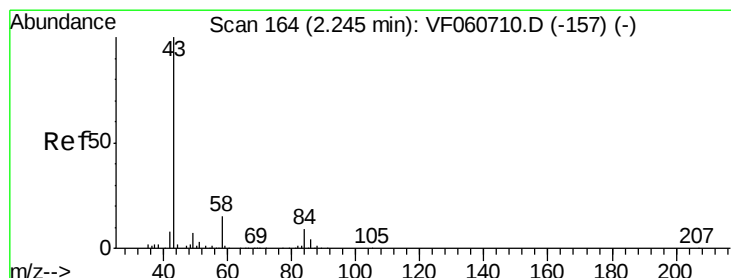
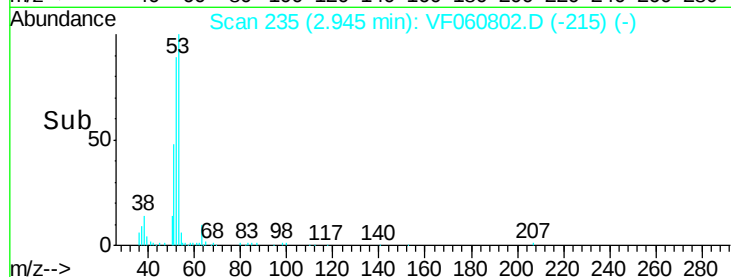
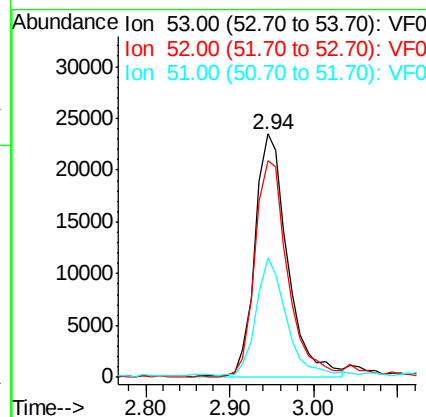
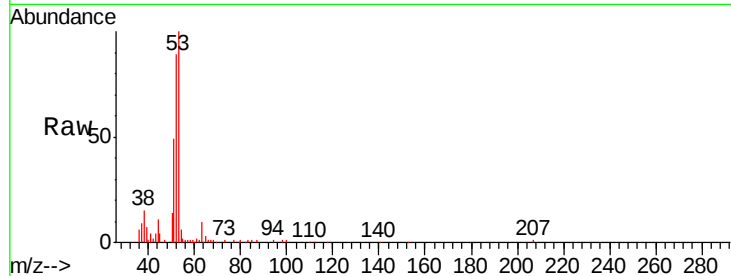
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	64435
Ion	Ratio	Lower	Upper
53	100		
52	88.8	68.8	103.2
51	48.9	36.7	55.1

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#16

Acetone

Concen: 286.96 ug/l

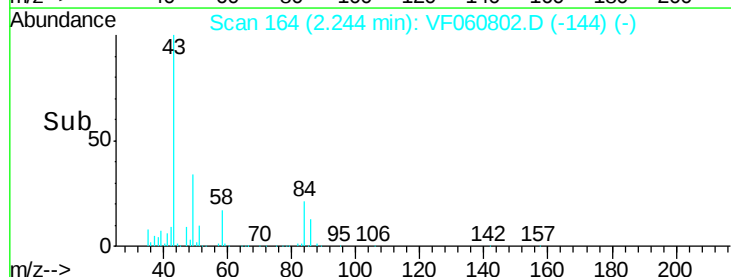
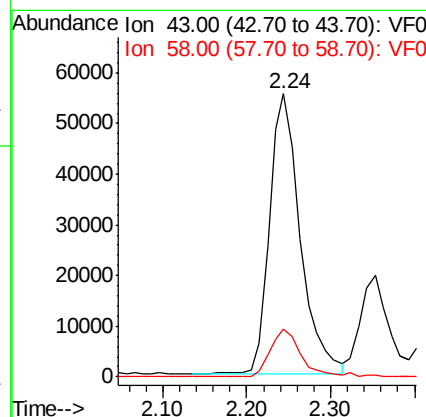
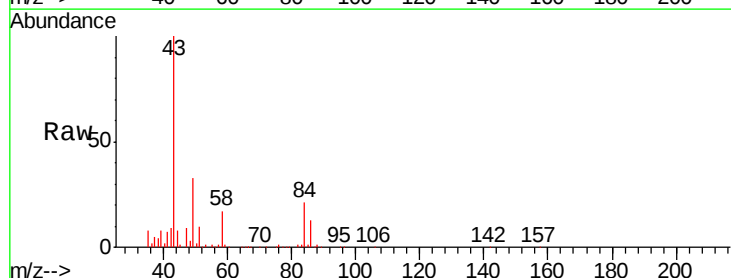
RT: 2.24 min Scan# 164

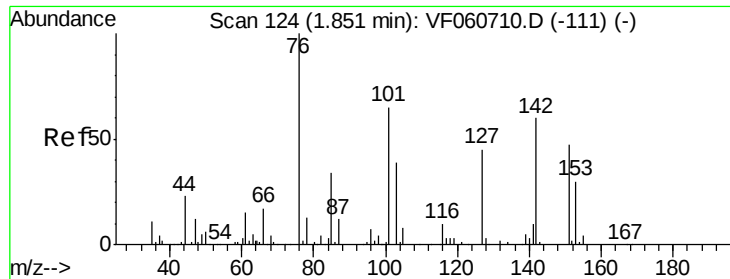
Delta R.T. -0.00 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

Tgt Ion:	43	Resp:	142287
Ion	Ratio	Lower	Upper
43	100		
58	17.1	11.6	17.4





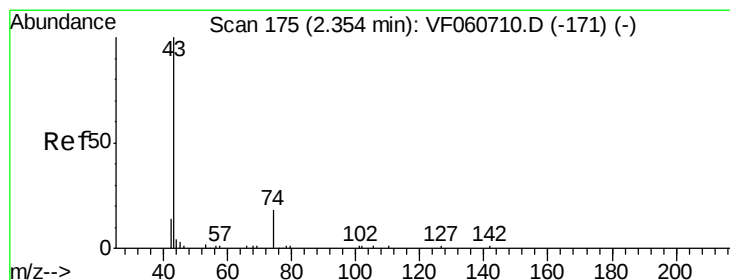
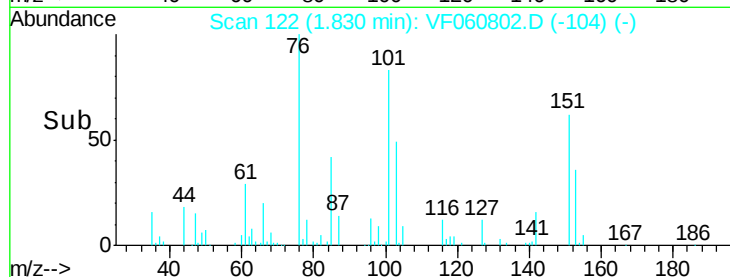
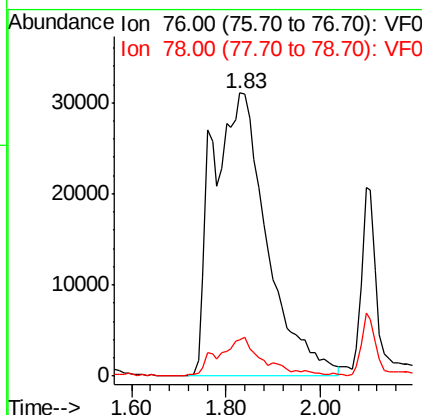
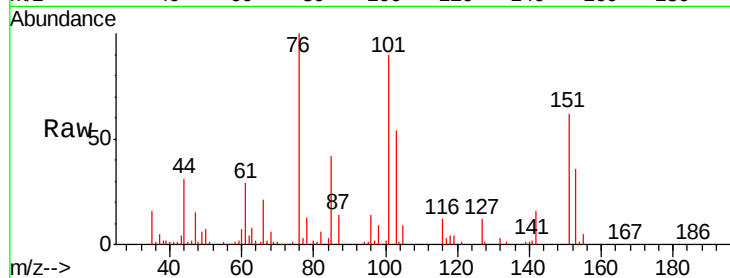
#17
Carbon Disulfide
Concen: 49.59 ug/l m
RT: 1.83 min Scan# 122
Delta R.T. -0.02 min
Lab File: VF060802.D
Acq: 20 Nov 2018 13:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 248675
Ion Ratio Lower Upper
76 100
78 12.7 10.5 15.7

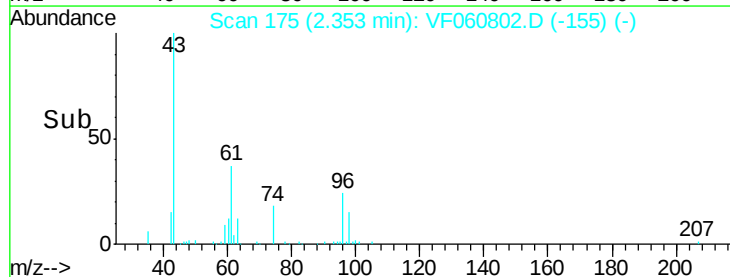
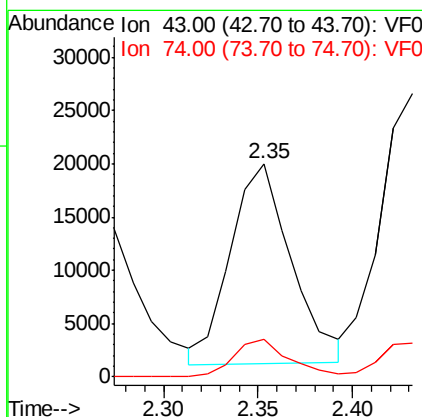
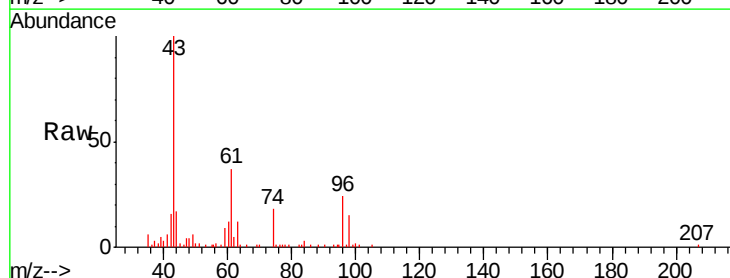
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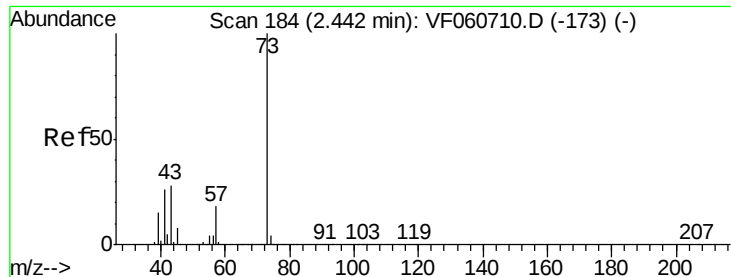
apatel
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#18
Methyl Acetate
Concen: 51.56 ug/l
RT: 2.35 min Scan# 175
Delta R.T. -0.00 min
Lab File: VF060802.D
Acq: 20 Nov 2018 13:08

Tgt Ion: 43 Resp: 41979
Ion Ratio Lower Upper
43 100
74 17.7 11.8 17.8





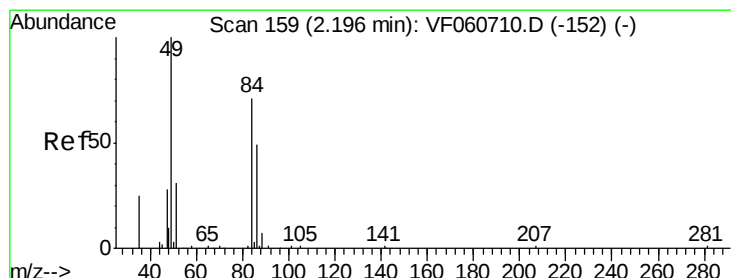
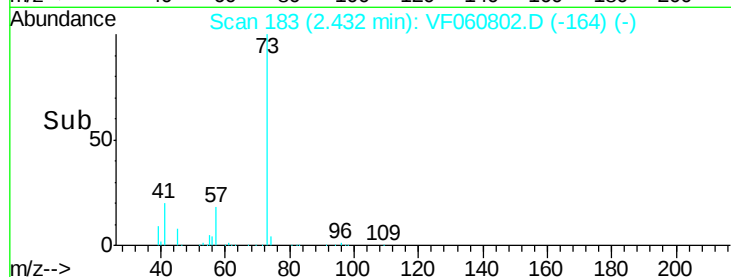
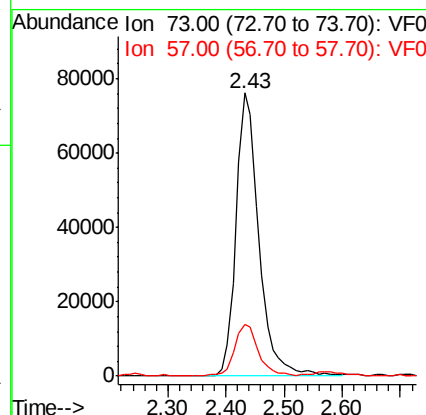
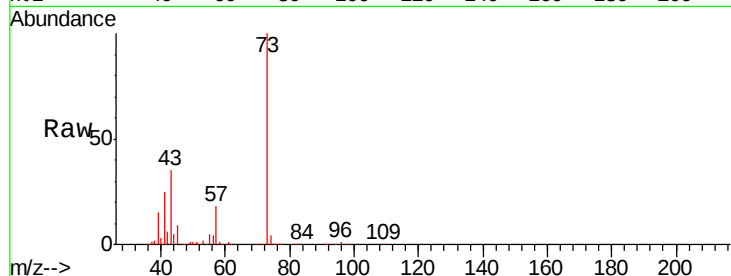
#19
Methyl tert-butyl Ether
Concen: 52.32 ug/l
RT: 2.43 min Scan# 183
Delta R.T. -0.01 min
Lab File: VF060802.D
Acq: 20 Nov 2018 13:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
73	100		
57	18.5	14.3	21.5

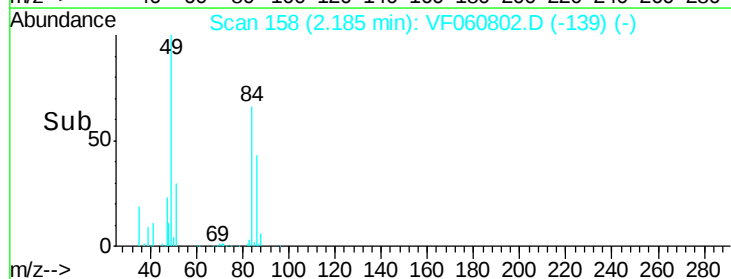
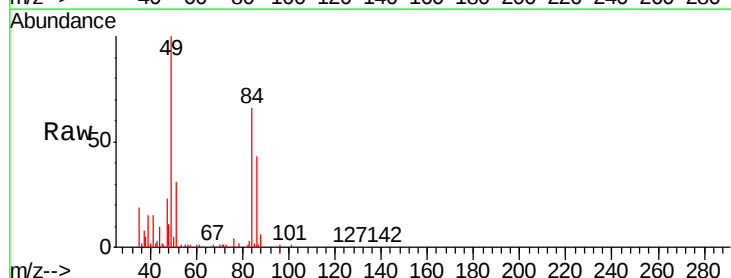
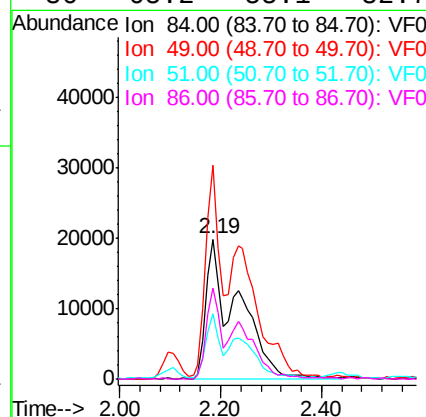
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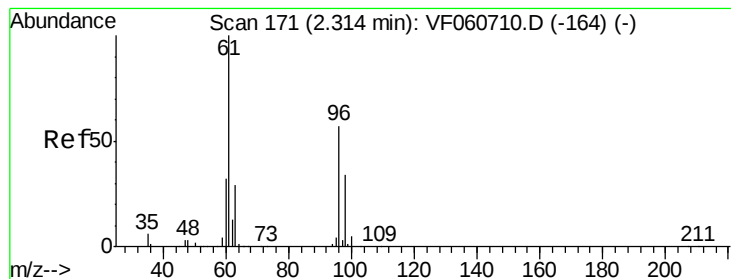
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#20
Methylene Chloride
Concen: 52.37 ug/l m
RT: 2.19 min Scan# 158
Delta R.T. -0.01 min
Lab File: VF060802.D
Acq: 20 Nov 2018 13:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	152.6	120.2	180.4
51	46.6	37.2	55.8
86	65.2	55.1	82.7





#21

trans-1,2-Dichloroethene

Concen: 52.76 ug/l

RT: 2.31 min Scan# 171

Delta R.T. -0.00 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

Instrument :

MSVOA_F

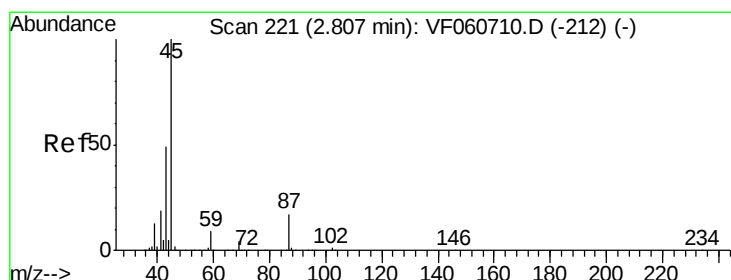
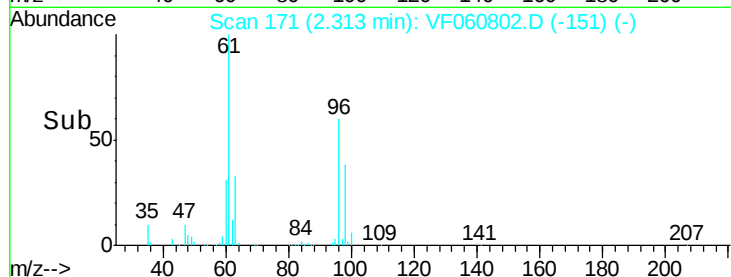
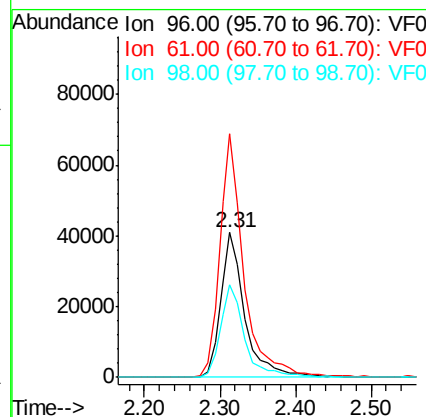
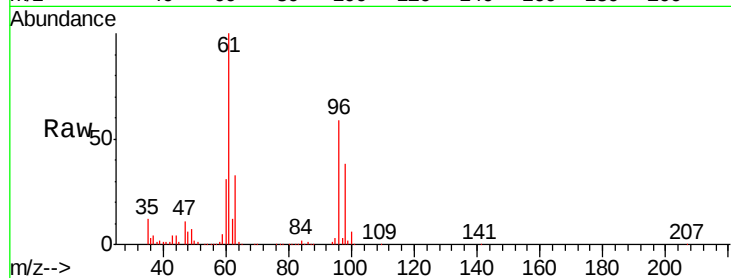
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	91469
Ion	Ratio	Lower	Upper
96	100		
61	168.2	141.6	212.4
98	63.7	47.4	71.0

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#22

Diisopropyl ether

Concen: 55.55 ug/l

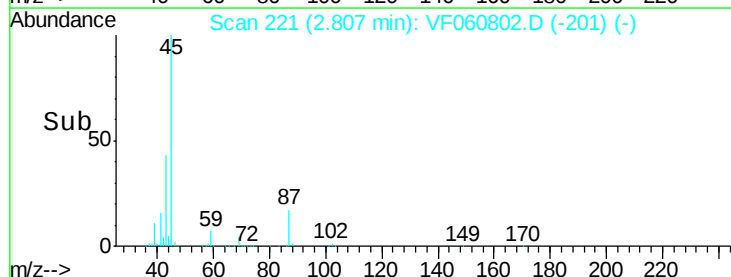
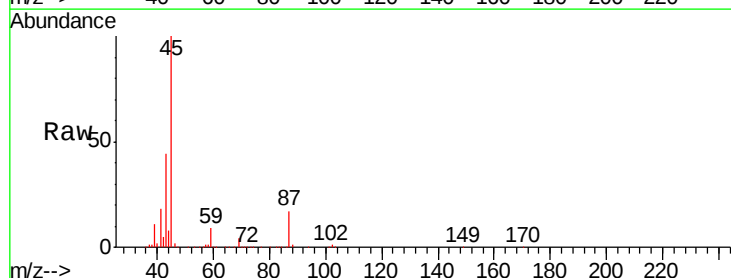
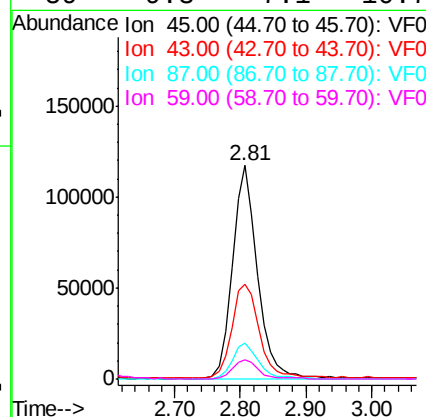
RT: 2.81 min Scan# 221

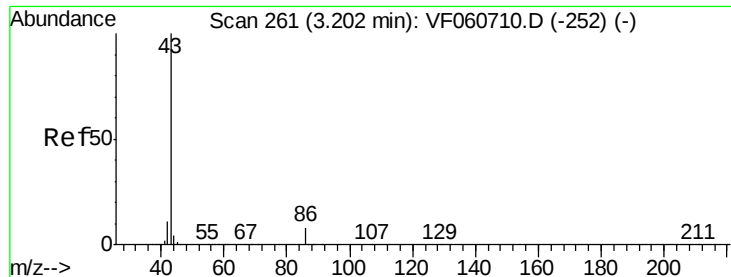
Delta R.T. -0.00 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

Tgt Ion:	45	Resp:	311732
Ion	Ratio	Lower	Upper
45	100		
43	44.3	39.9	59.9
87	16.8	13.9	20.9
59	9.3	7.1	10.7





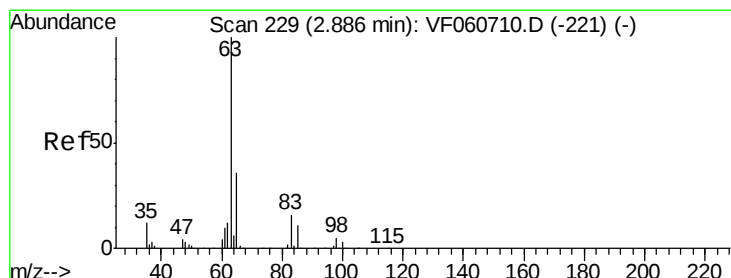
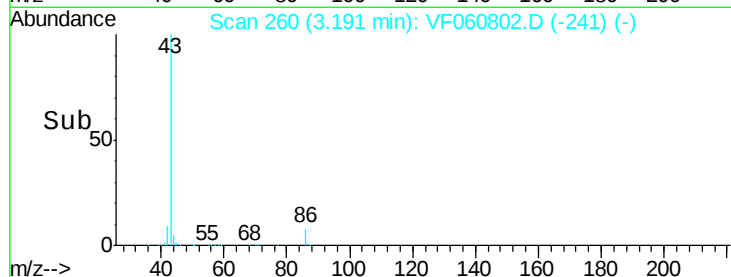
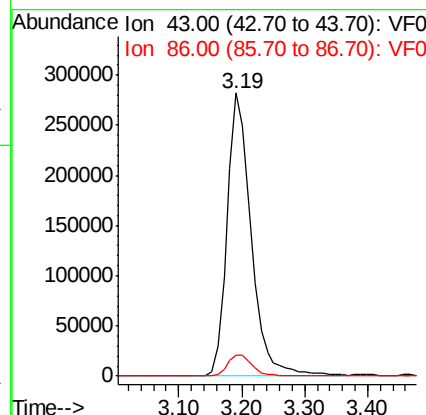
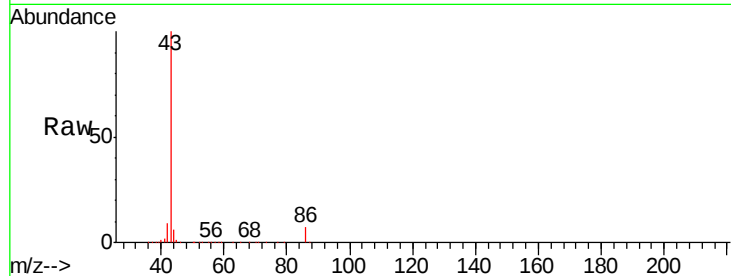
#23
 Vinyl Acetate
 Concen: 283.85 ug/l
 RT: 3.19 min Scan# 260
 Delta R.T. -0.01 min
 Lab File: VF060802.D
 Acq: 20 Nov 2018 13:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
86	7.5	6.4	9.6

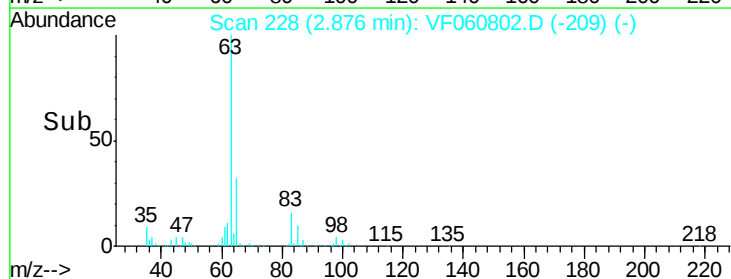
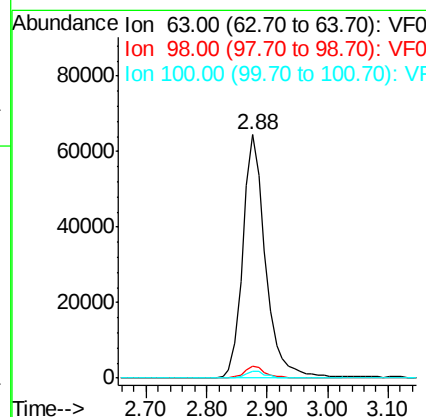
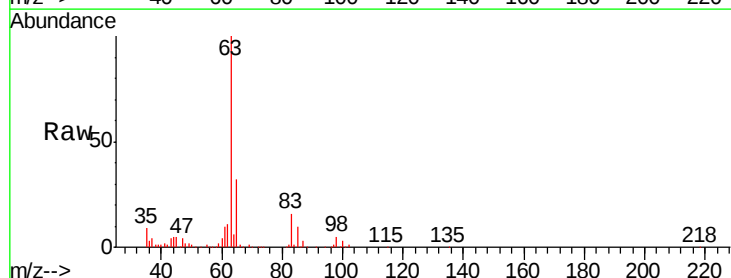
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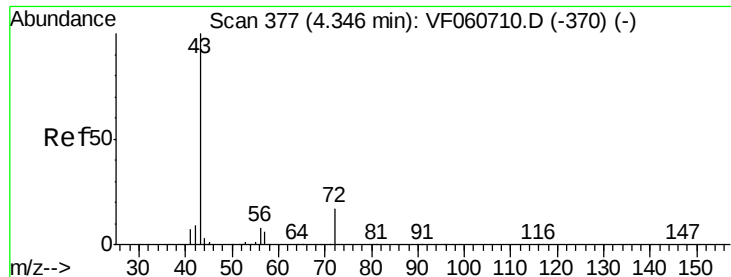
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#24
 1,1-Dichloroethane
 Concen: 49.52 ug/l
 RT: 2.88 min Scan# 228
 Delta R.T. -0.01 min
 Lab File: VF060802.D
 Acq: 20 Nov 2018 13:08

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.4	7.1
100	3.0	1.4	4.2





#25

2-Butanone

Concen: 264.78 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 215942

Ion Ratio Lower Upper

43 100

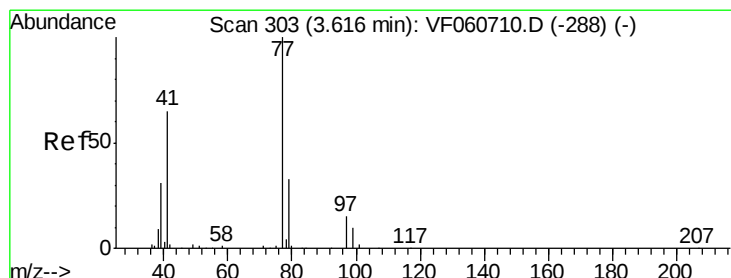
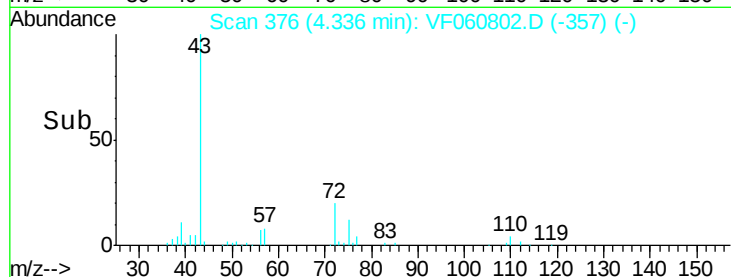
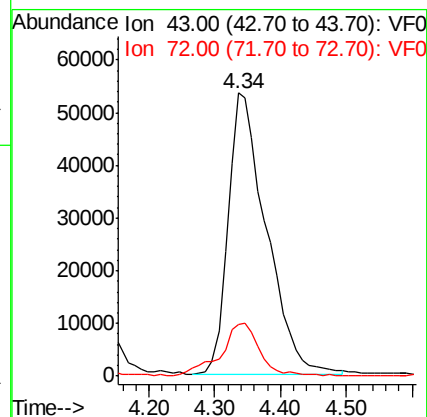
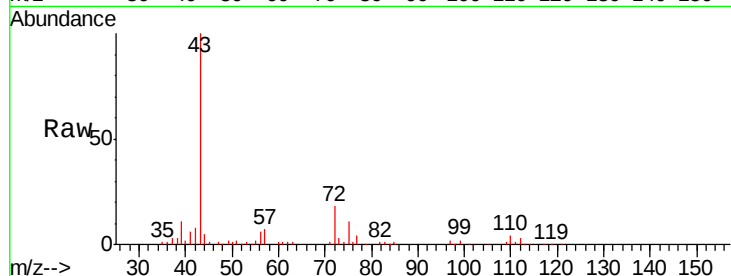
72 18.1 16.1 24.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.98 ug/l

RT: 3.61 min Scan# 302

Delta R.T. -0.01 min

Lab File: VF060802.D

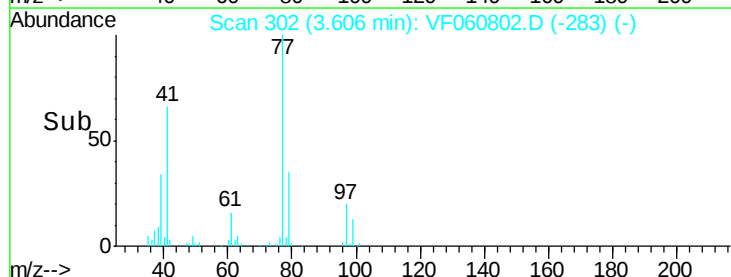
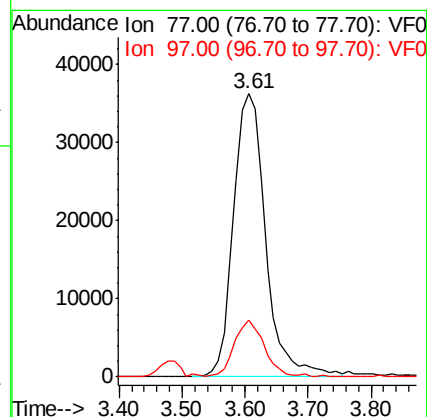
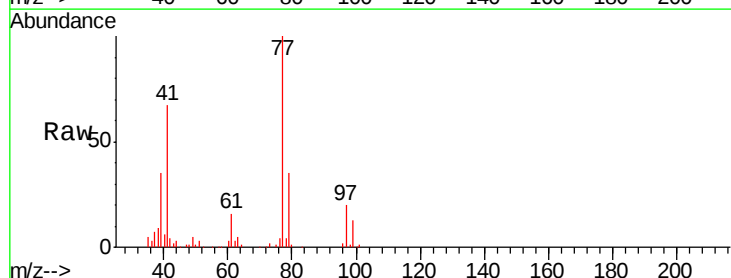
Acq: 20 Nov 2018 13:08

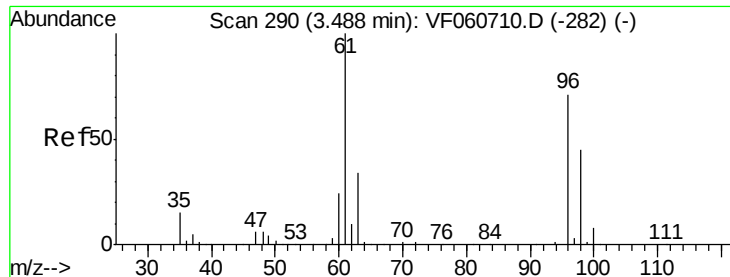
Tgt Ion: 77 Resp: 128270

Ion Ratio Lower Upper

77 100

97 20.0 8.8 26.5





#27

cis-1,2-Dichloroethene

Concen: 49.56 ug/l

RT: 3.49 min Scan# 290

Delta R.T. -0.00 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

Instrument :

MSVOA_F

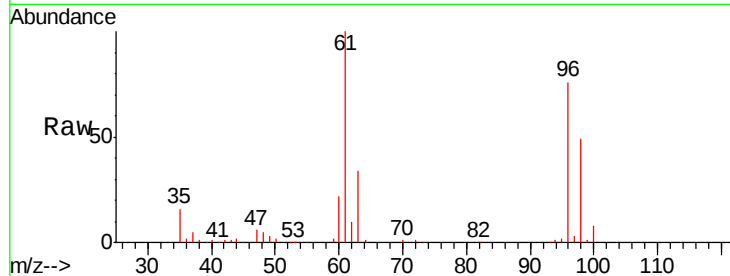
ClientSampleId :

VSTDCCC050

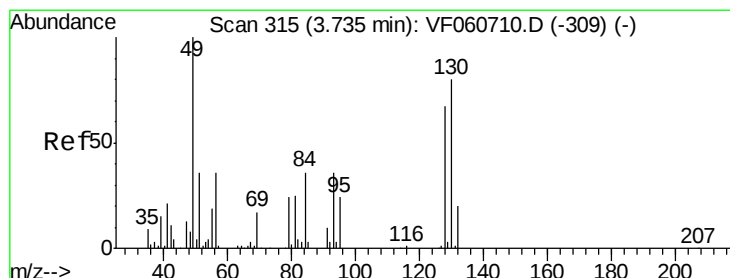
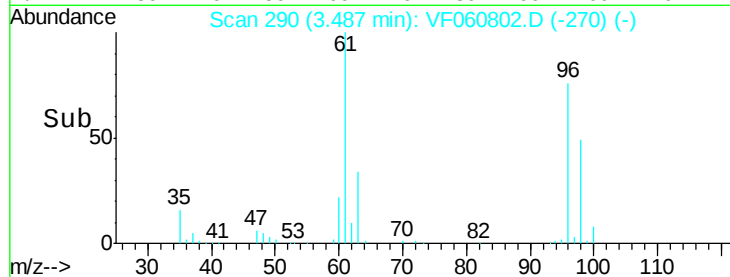
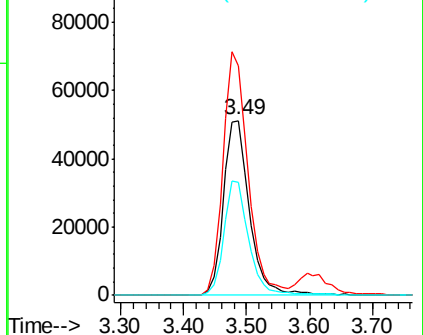
Tgt Ion:	96	Resp:	146149
Ion	Ratio	Lower	Upper
96	100		
61	131.0	0.0	280.6
98	64.6	0.0	127.6

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Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



#28

Bromochloromethane

Concen: 52.21 ug/l

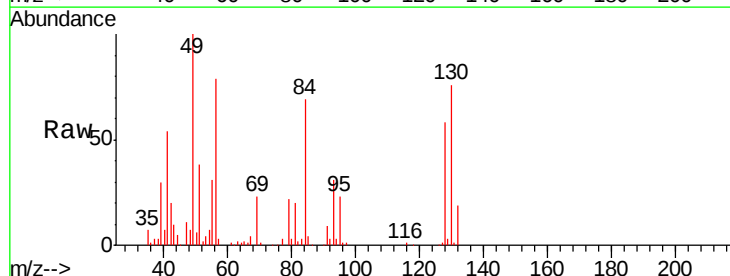
RT: 3.72 min Scan# 314

Delta R.T. -0.01 min

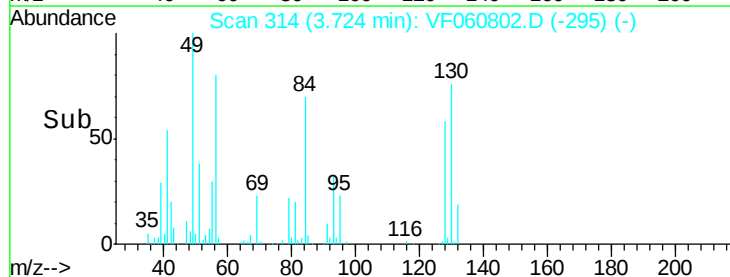
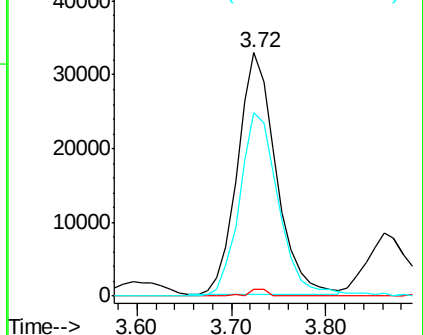
Lab File: VF060802.D

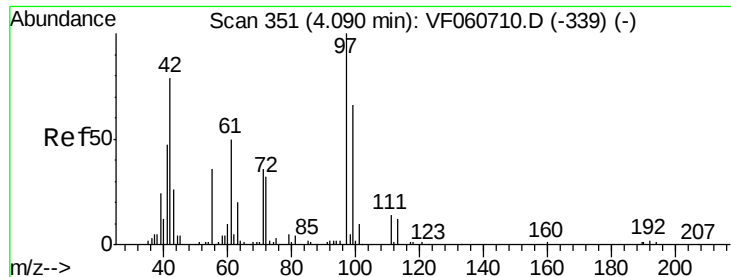
Acq: 20 Nov 2018 13:08

Tgt Ion:	49	Resp:	92195
Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.2
130	75.5	63.9	95.9



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 271.33 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.00 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

Instrument :

MSVOA_F

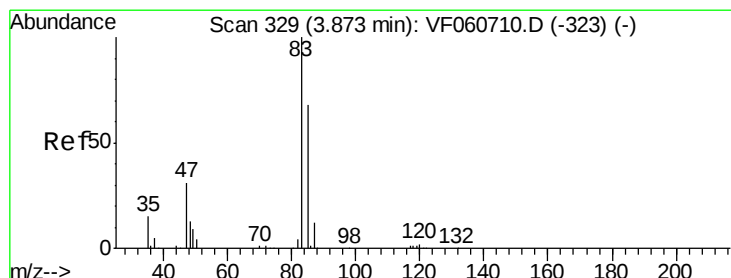
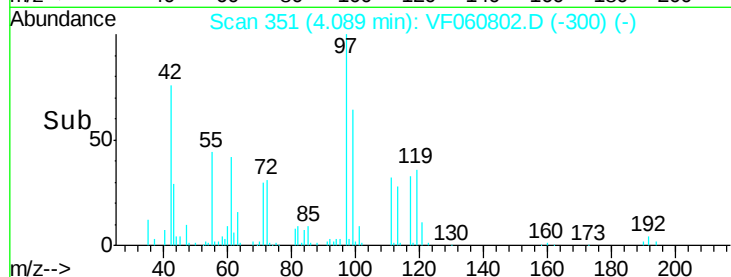
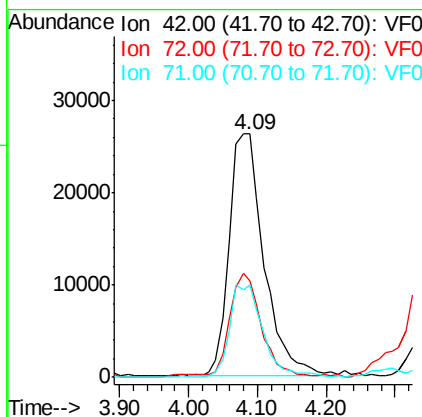
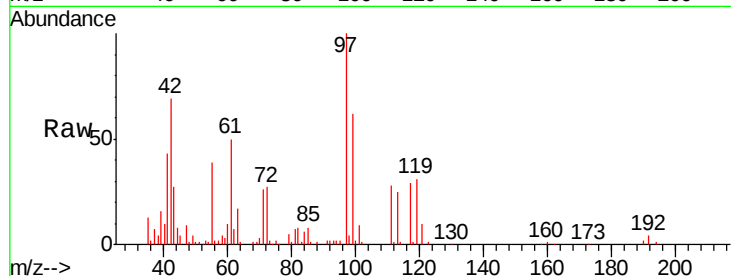
ClientSampleId :

VSTDCCC050

Tgt Ion:	42	Resp:	91276
Ion Ratio	Lower	Upper	
42	100		
72	39.9	30.3	45.5
71	37.1	32.2	48.2

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#30

Chloroform

Concen: 46.77 ug/l

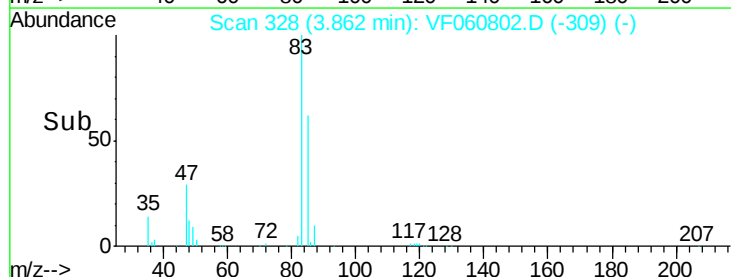
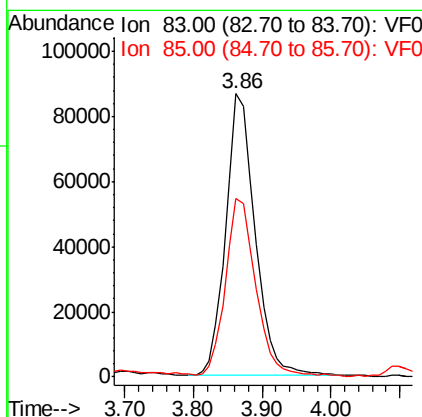
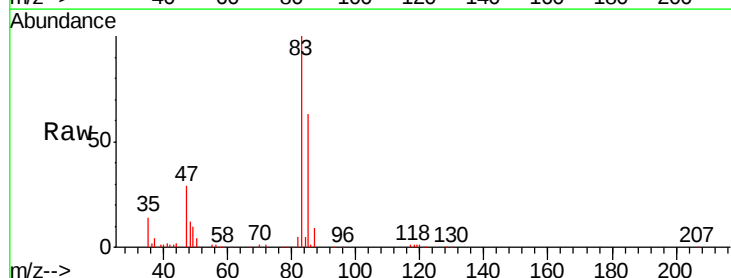
RT: 3.86 min Scan# 328

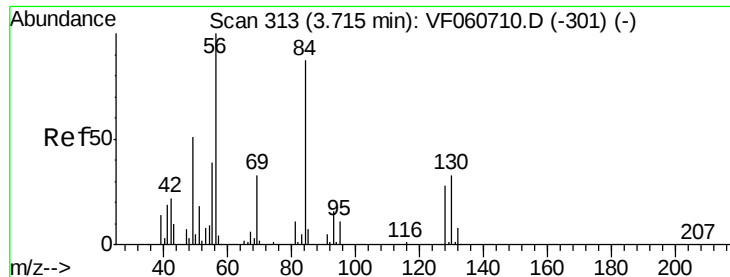
Delta R.T. -0.01 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

Tgt Ion:	83	Resp:	254977
Ion Ratio	Lower	Upper	
83	100		
85	63.0	54.6	82.0





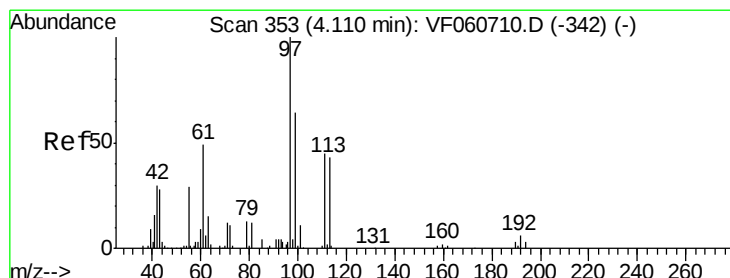
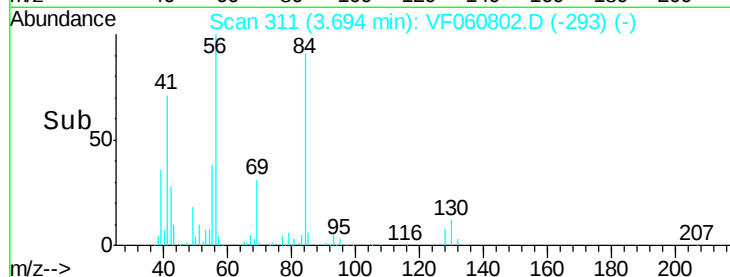
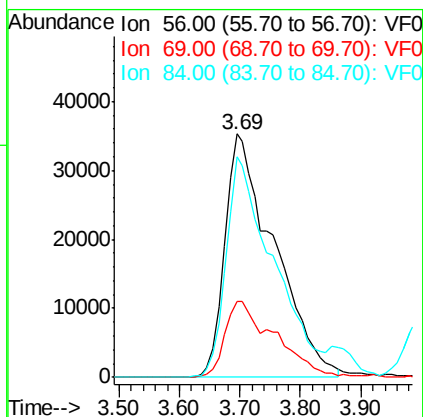
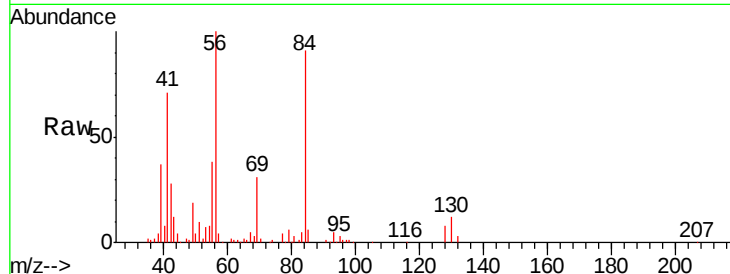
#31
Cyclohexane
Concen: 48.28 ug/l
RT: 3.69 min Scan# 311
Delta R.T. -0.02 min
Lab File: VF060802.D
Acq: 20 Nov 2018 13:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.1	26.0	39.0
84	90.8	69.4	104.2

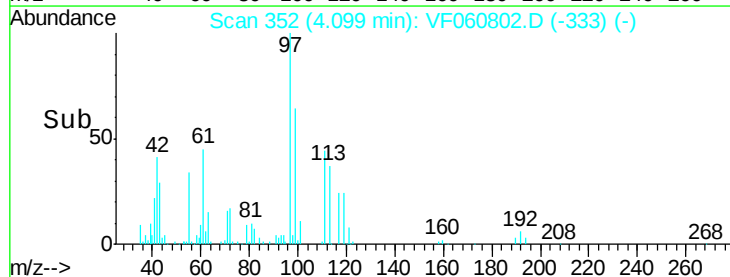
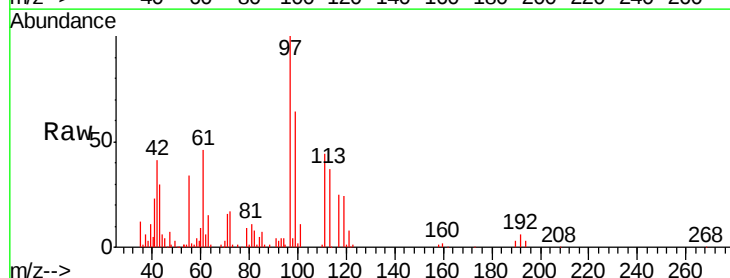
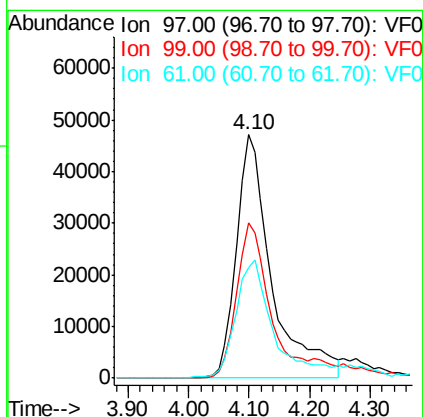
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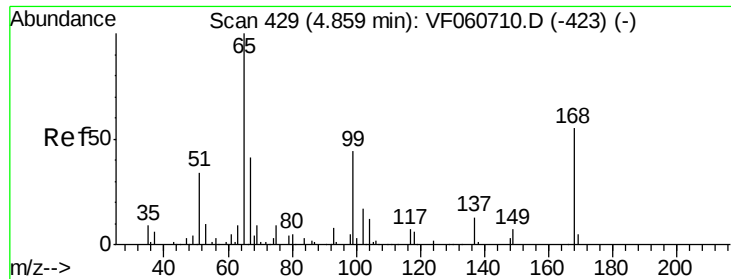
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#32
1,1,1-Trichloroethane
Concen: 44.97 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF060802.D
Acq: 20 Nov 2018 13:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.1	76.7
61	45.6	40.1	60.1





#33

1,2-Dichloroethane-d4

Concen: 44.72 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 103731

Ion Ratio Lower Upper

65 100

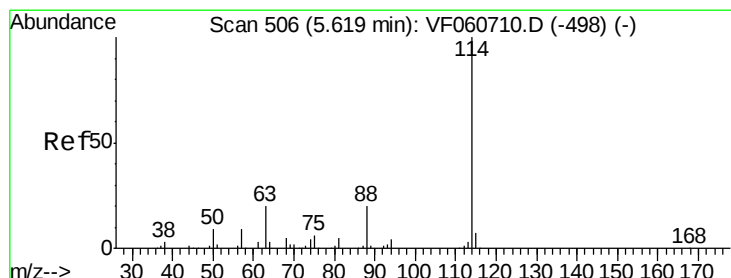
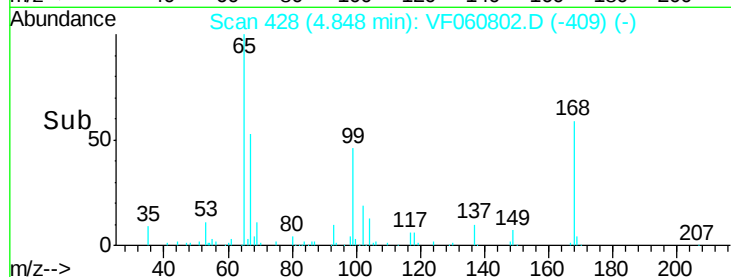
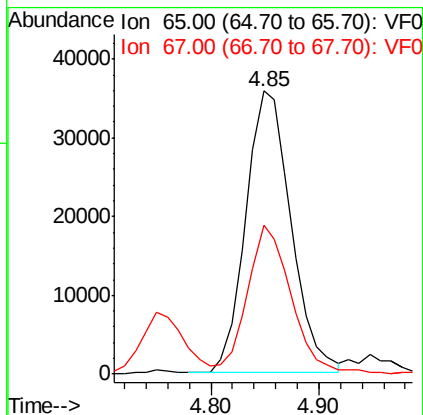
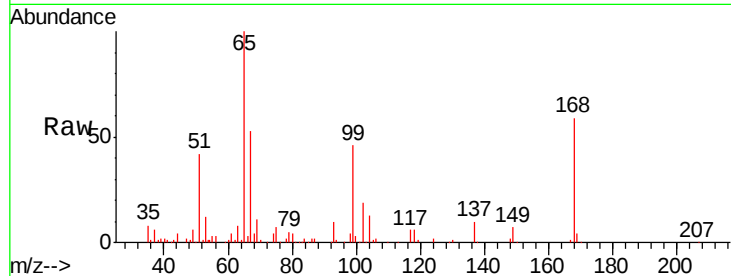
67 52.5 0.0 90.2

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.01 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

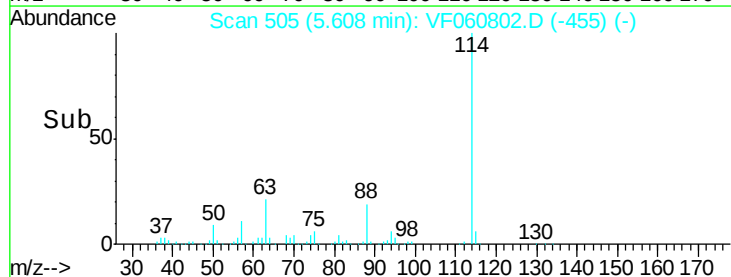
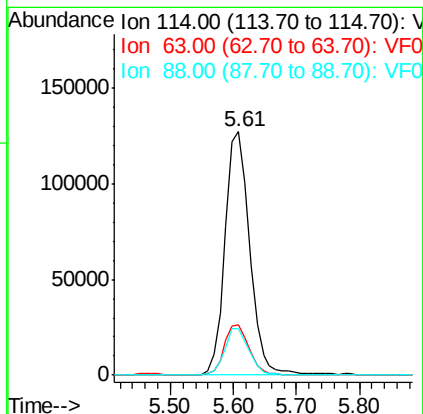
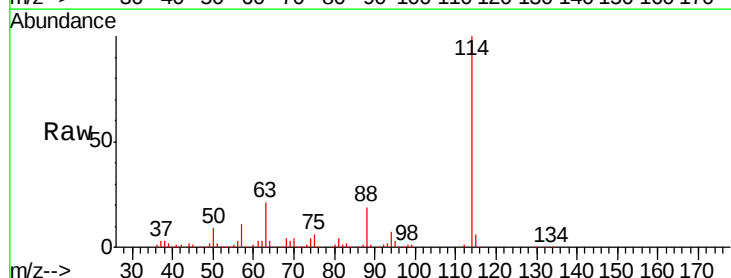
Tgt Ion: 114 Resp: 346858

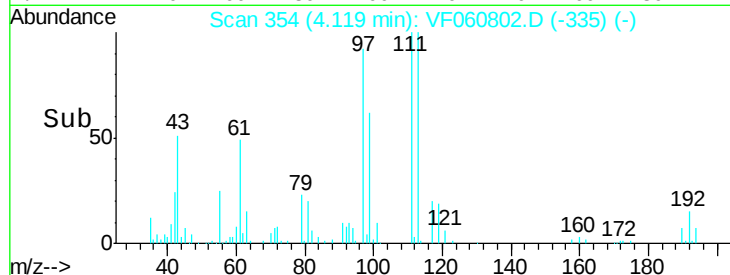
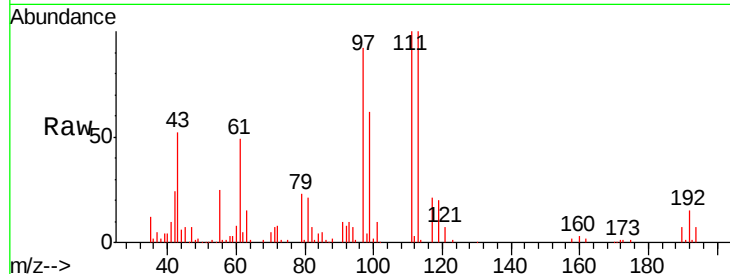
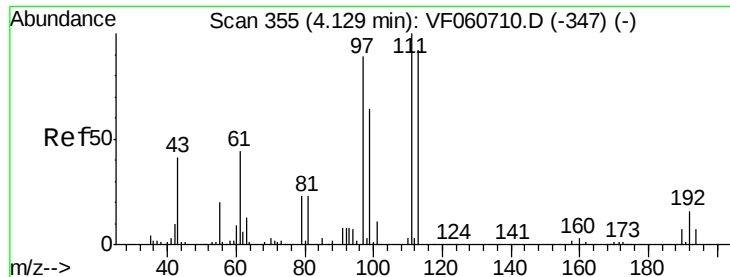
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

88 19.0 0.0 39.6





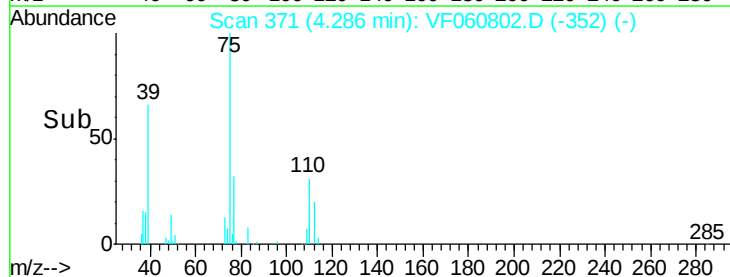
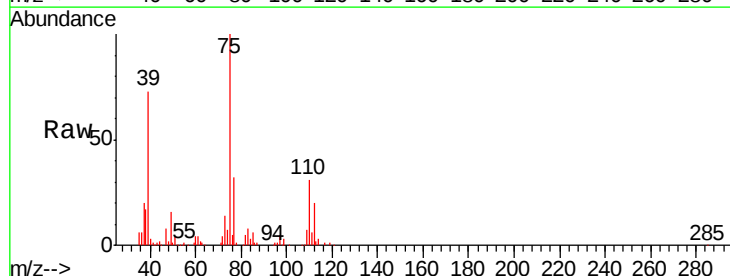
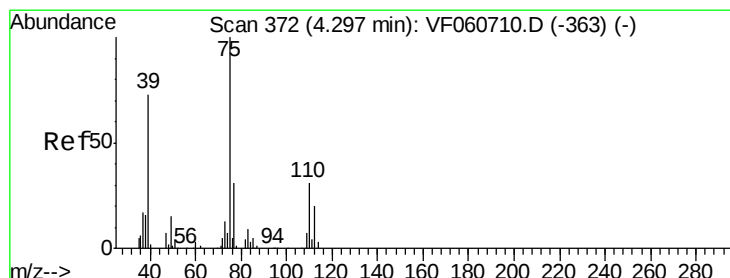
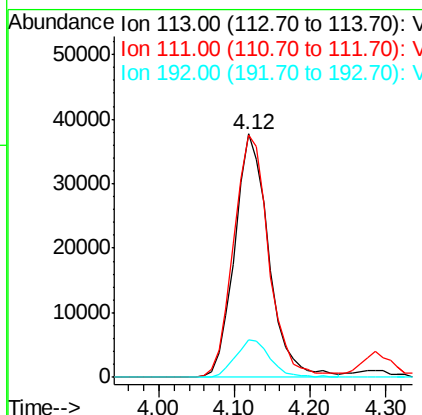
#35
Dibromofluoromethane
Concen: 45.13 ug/l
RT: 4.12 min Scan# 354
Delta R.T. -0.01 min
Lab File: VF060802.D
Acq: 20 Nov 2018 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	117665		
111	99.6	87.1	130.7	
192	15.2	13.8	20.6	

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

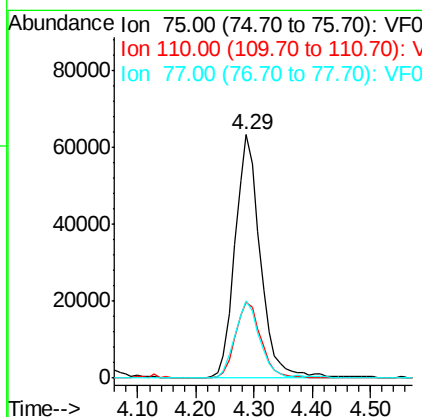
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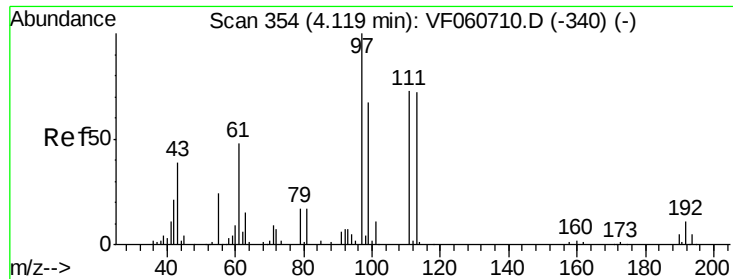
apatel
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#36
1,1-Dichloropropene
Concen: 47.58 ug/l
RT: 4.29 min Scan# 371
Delta R.T. -0.01 min
Lab File: VF060802.D
Acq: 20 Nov 2018 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	191386		
110	31.3	15.6	46.8	
77	31.6	25.0	37.6	





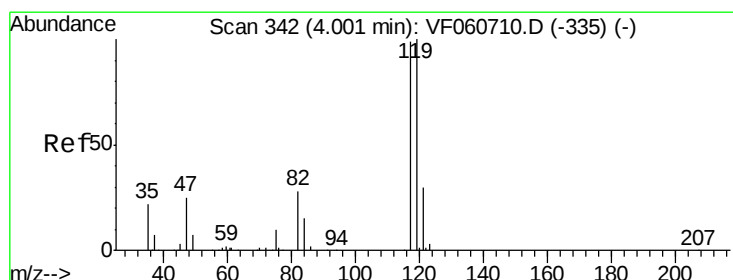
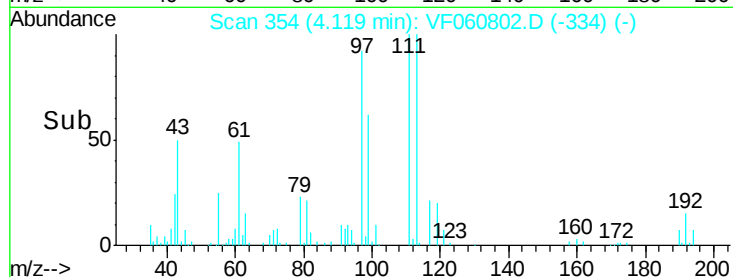
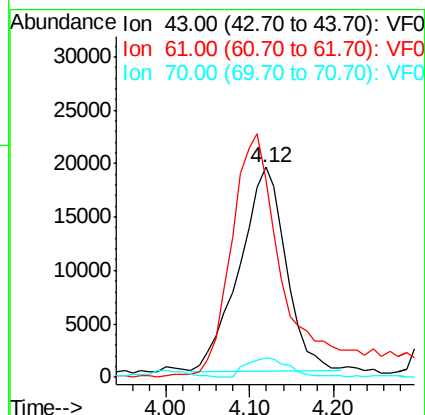
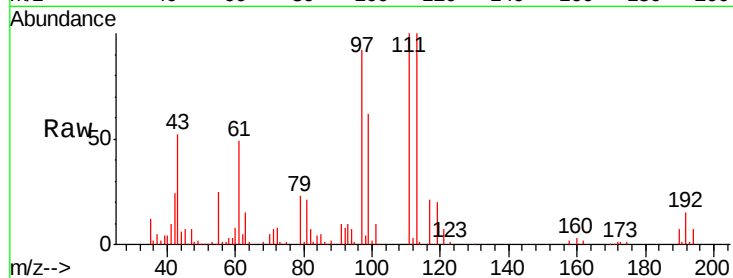
#37
Ethyl Acetate
Concen: 49.46 ug/l
RT: 4.12 min Scan# 354
Delta R.T. -0.00 min
Lab File: VF060802.D
Acq: 20 Nov 2018 13:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 73967
Ion Ratio Lower Upper
43 100
61 94.0 98.5 147.7#
70 9.5 7.4 11.0

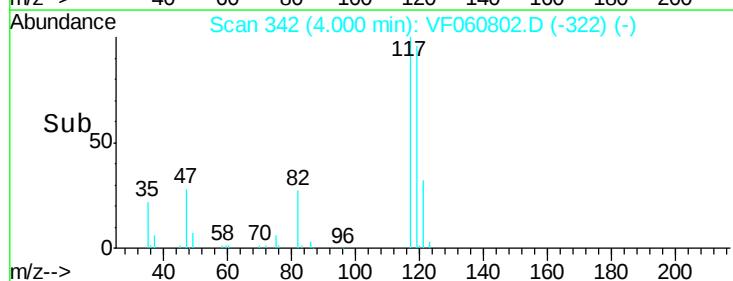
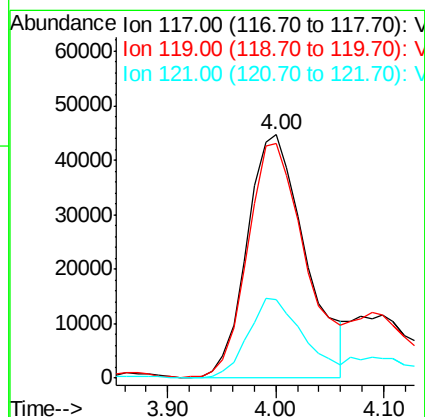
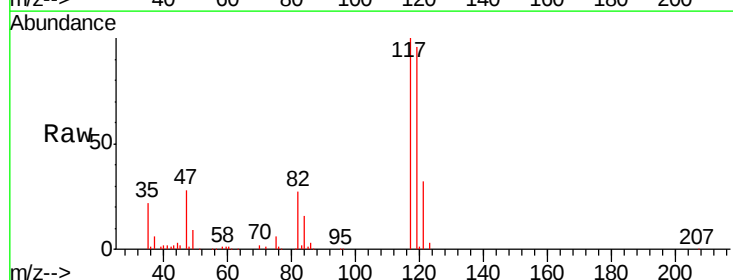
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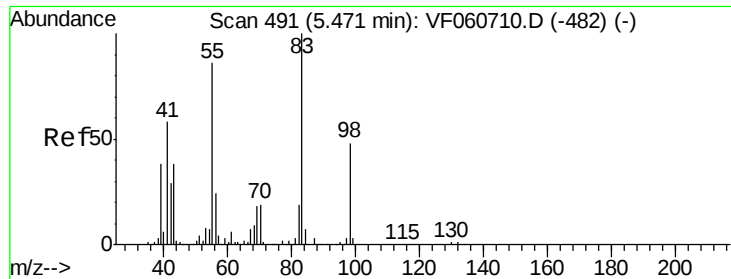
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#38
Carbon Tetrachloride
Concen: 43.10 ug/l
RT: 4.00 min Scan# 342
Delta R.T. -0.00 min
Lab File: VF060802.D
Acq: 20 Nov 2018 13:08

Tgt Ion: 117 Resp: 168225
Ion Ratio Lower Upper
117 100
119 96.4 80.7 121.1
121 32.0 24.3 36.5





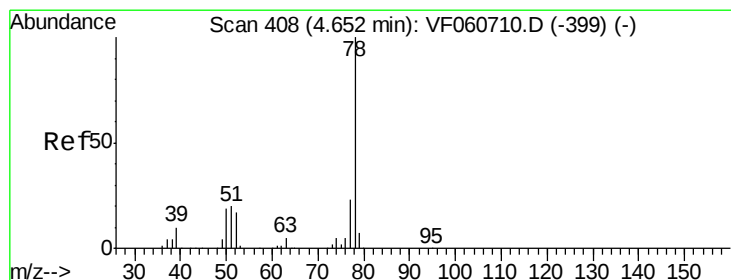
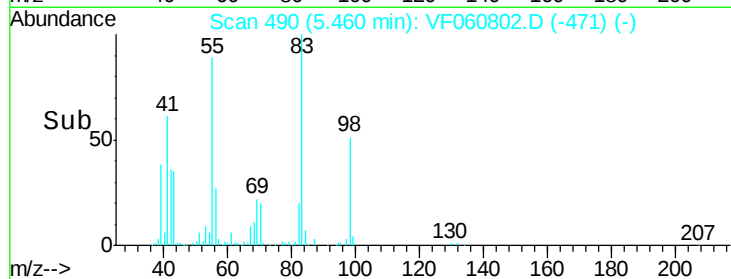
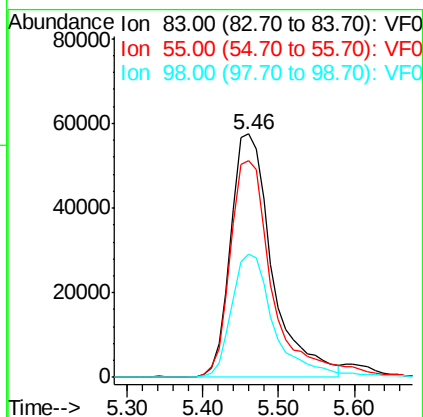
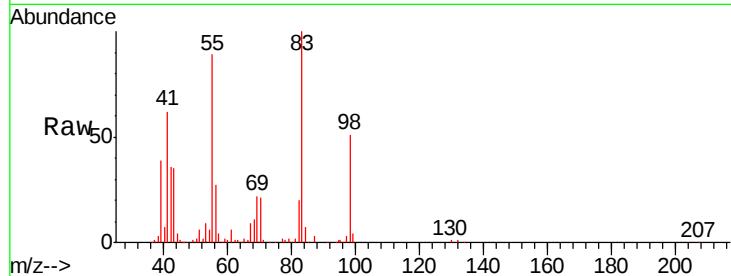
#39
Methylcyclohexane
Concen: 47.20 ug/l
RT: 5.46 min Scan# 490
Delta R.T. -0.01 min
Lab File: VF060802.D
Acq: 20 Nov 2018 13:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	89.3	69.0	103.4
98	50.6	38.5	57.7

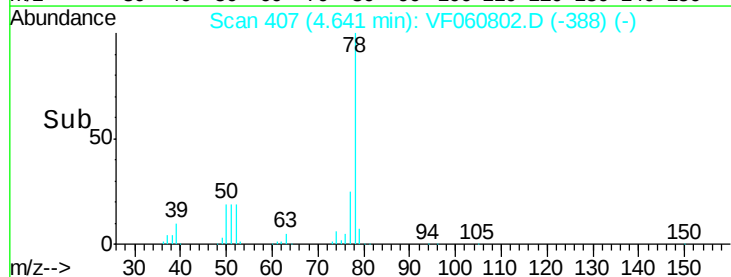
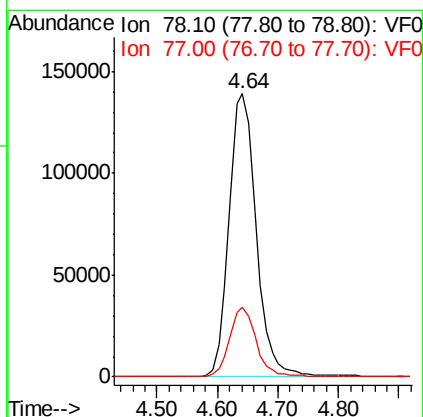
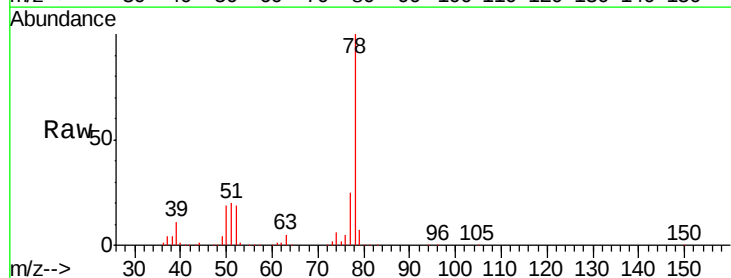
Manual Integrations
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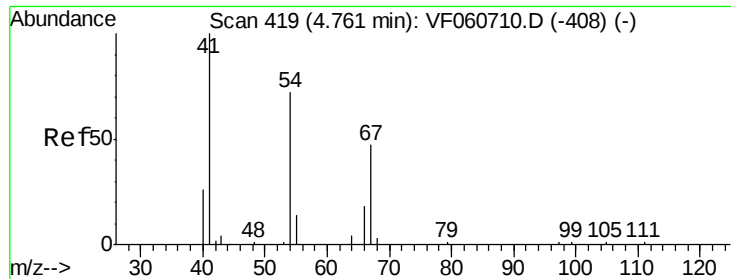
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#40
Benzene
Concen: 48.67 ug/l
RT: 4.64 min Scan# 407
Delta R.T. -0.01 min
Lab File: VF060802.D
Acq: 20 Nov 2018 13:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.6	28.0





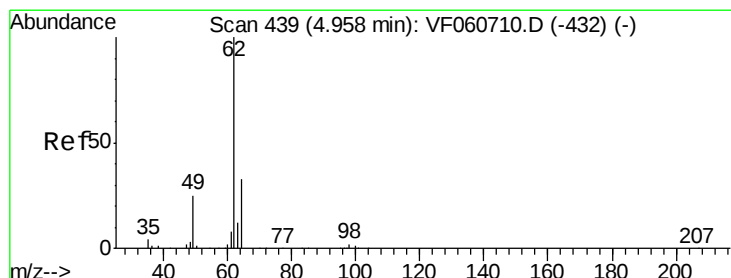
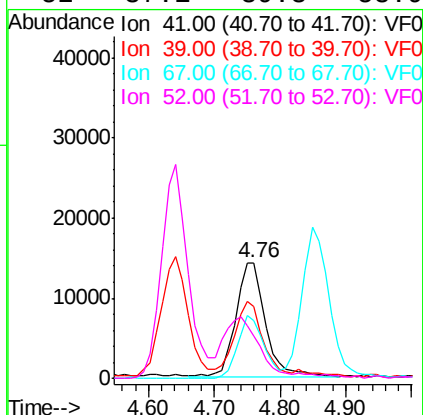
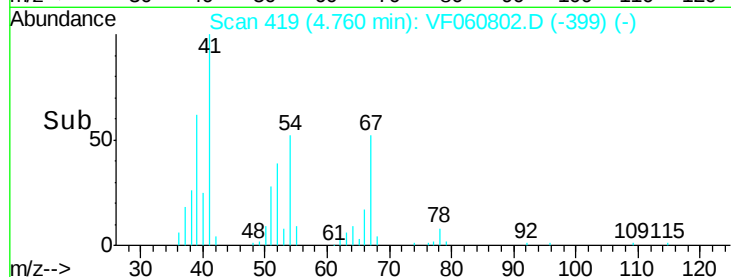
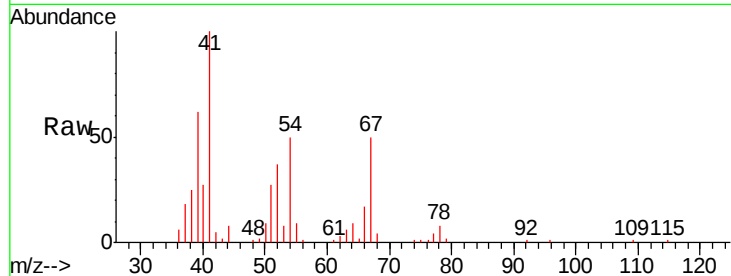
#41
Methacrylonitrile
Concen: 56.21 ug/l
RT: 4.76 min Scan# 419
Delta R.T. -0.00 min
Lab File: VF060802.D
Acq: 20 Nov 2018 13:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.4	47.1	70.7
67	49.8	37.1	55.7
52	37.1	39.3	58.9

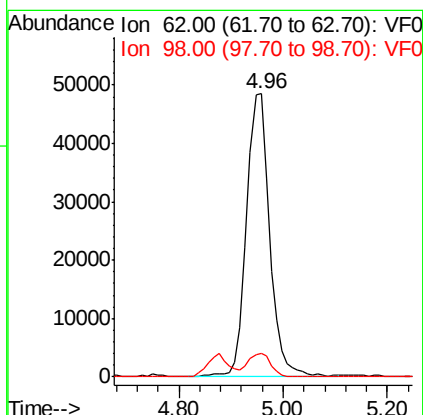
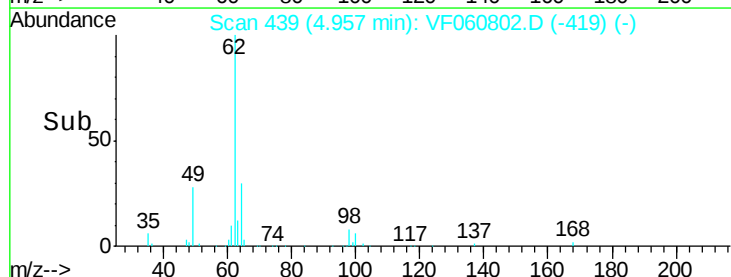
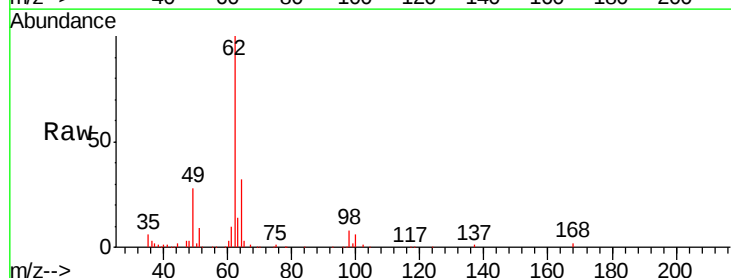
Manual Integrations
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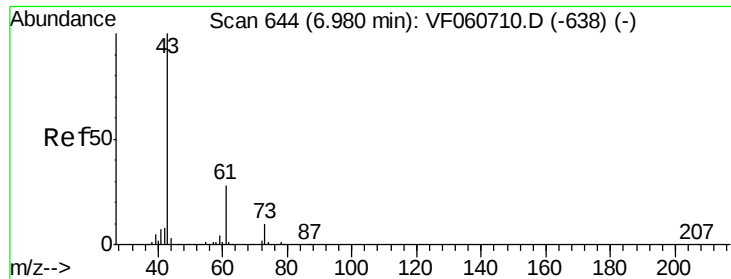
apatel
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#42
1,2-Dichloroethane
Concen: 47.06 ug/l
RT: 4.96 min Scan# 439
Delta R.T. -0.00 min
Lab File: VF060802.D
Acq: 20 Nov 2018 13:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.6





#43

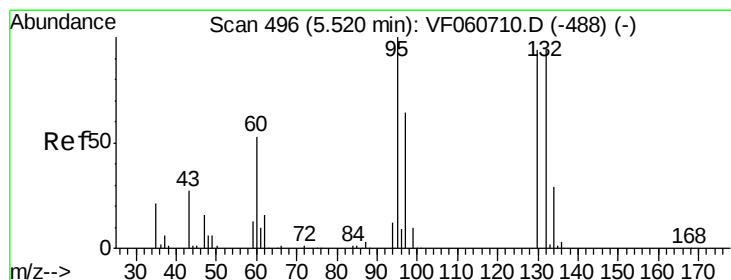
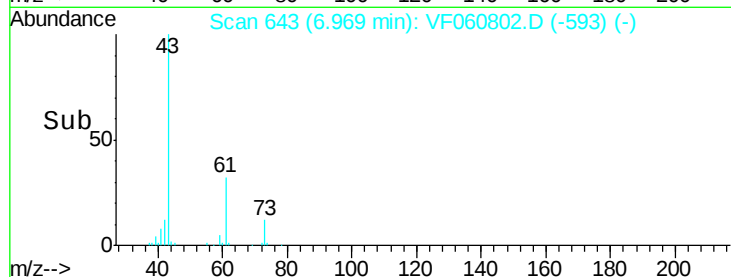
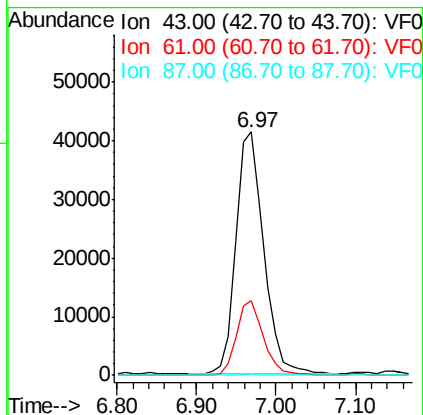
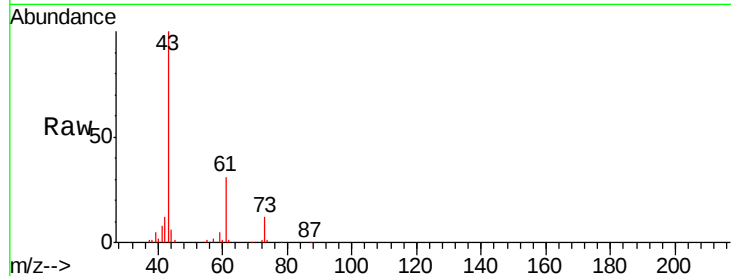
Isopropyl Acetate
 Concen: 50.53 ug/l
 RT: 6.97 min Scan# 643
 Delta R.T. -0.01 min
 Lab File: VF060802.D
 Acq: 20 Nov 2018 13:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	30.7	22.2	33.4
87	0.5	0.4	0.6

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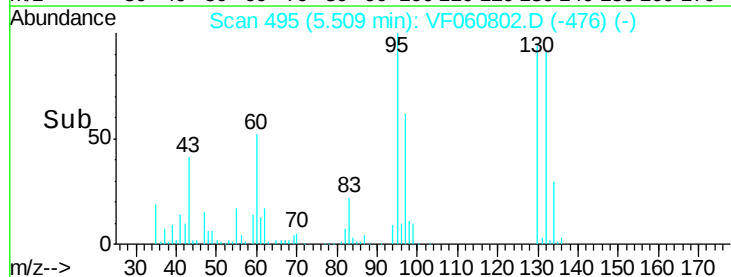
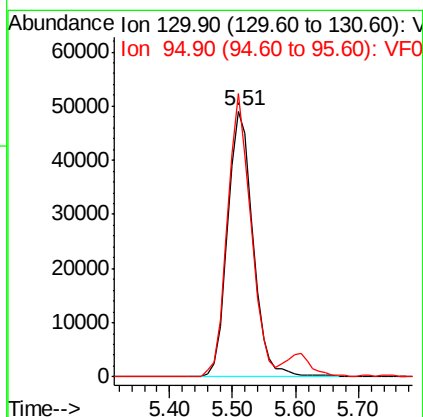
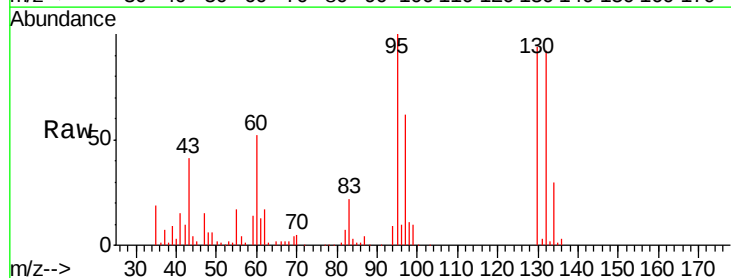
apatel
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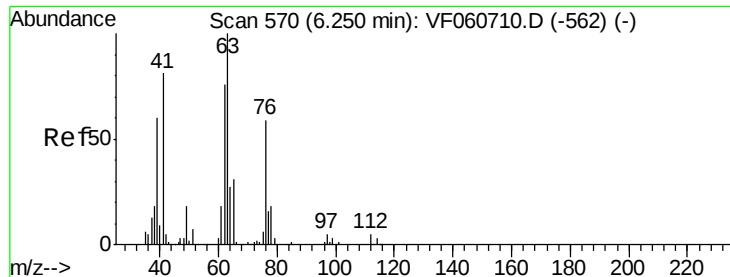


#44

Trichloroethene
 Concen: 48.27 ug/l
 RT: 5.51 min Scan# 495
 Delta R.T. -0.01 min
 Lab File: VF060802.D
 Acq: 20 Nov 2018 13:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.6	0.0	212.6





#45

1,2-Dichloropropane

Concen: 49.36 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 115173

Ion Ratio Lower Upper

63 100

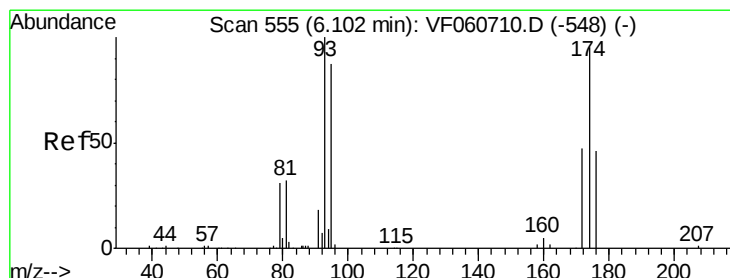
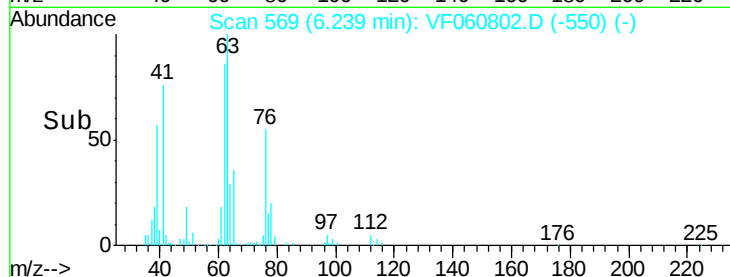
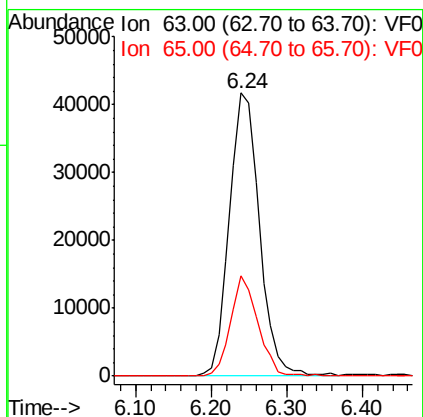
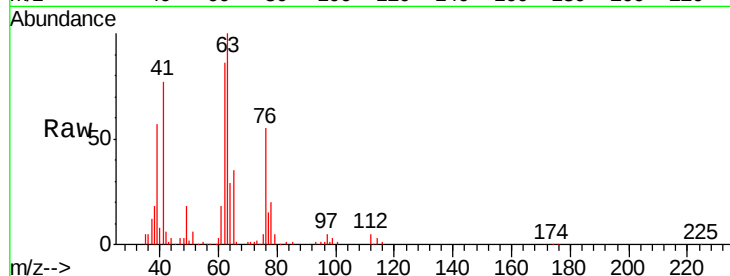
65 35.4 24.6 36.8

Manual Integrations

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#46

Dibromomethane

Concen: 48.95 ug/l

RT: 6.09 min Scan# 554

Delta R.T. -0.01 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

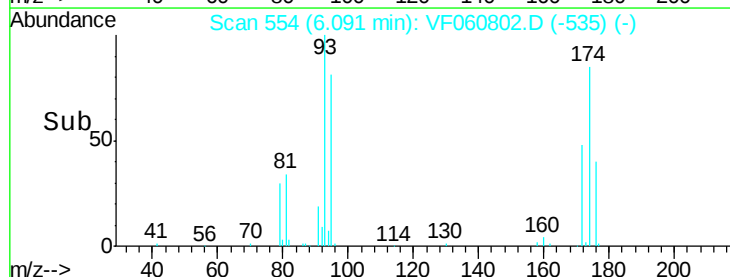
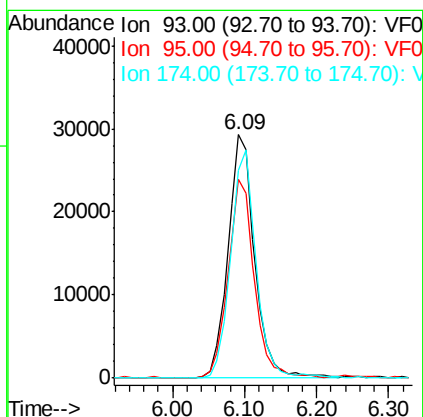
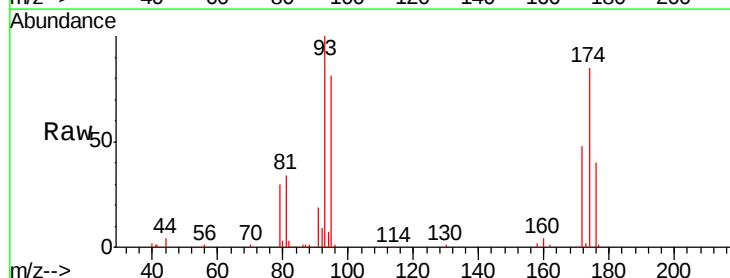
Tgt Ion: 93 Resp: 75394

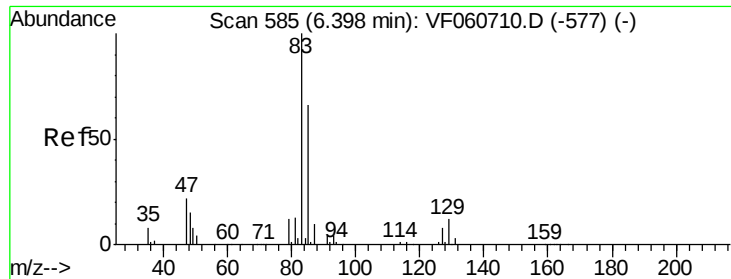
Ion Ratio Lower Upper

93 100

95 81.4 69.5 104.3

174 85.4 76.2 114.2





#47

Bromodichloromethane

Concen: 46.27 ug/l

RT: 6.40 min Scan# 585

Delta R.T. -0.00 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

Instrument :

MSVOA_F

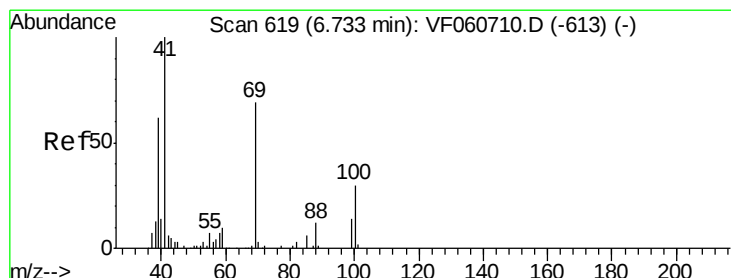
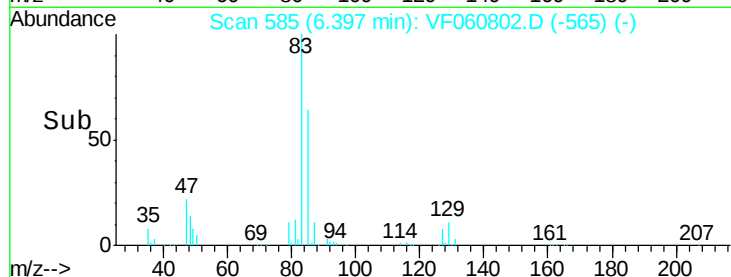
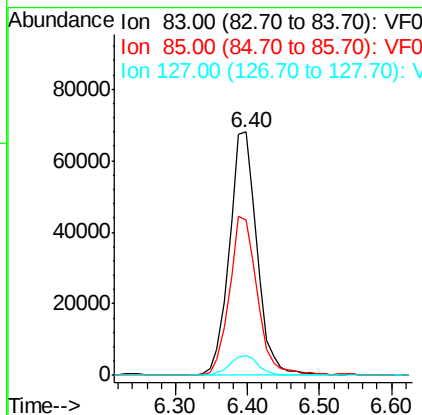
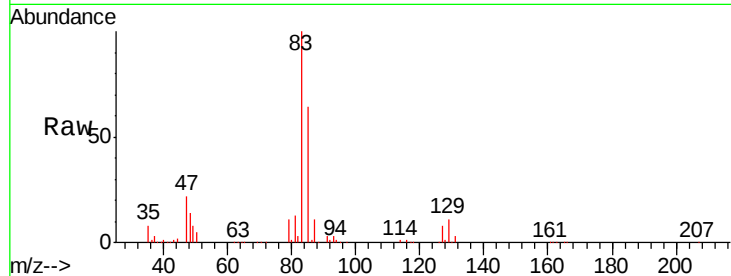
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	181991
Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.4	78.6
127	8.2	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.87 ug/l

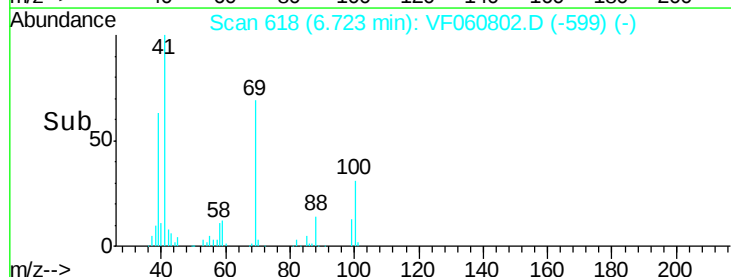
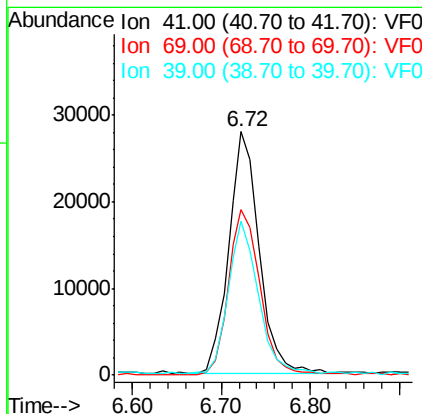
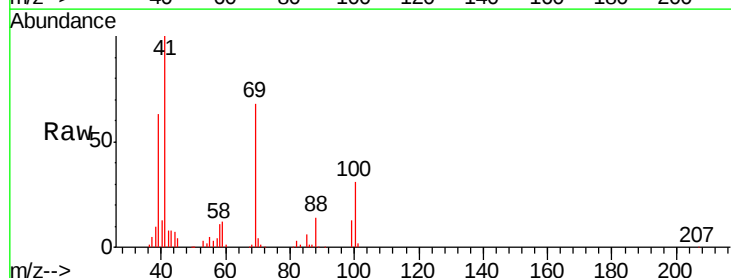
RT: 6.72 min Scan# 618

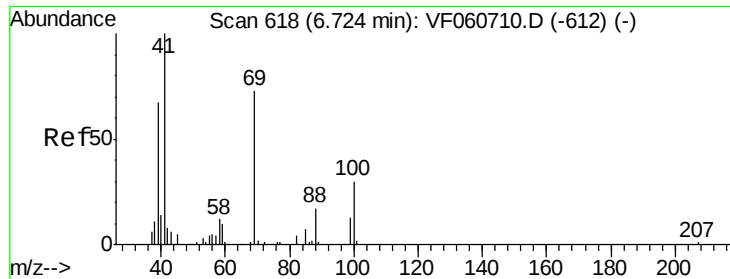
Delta R.T. -0.01 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

Tgt Ion:	41	Resp:	66765
Ion	Ratio	Lower	Upper
41	100		
69	68.2	54.9	82.3
39	63.2	49.6	74.4





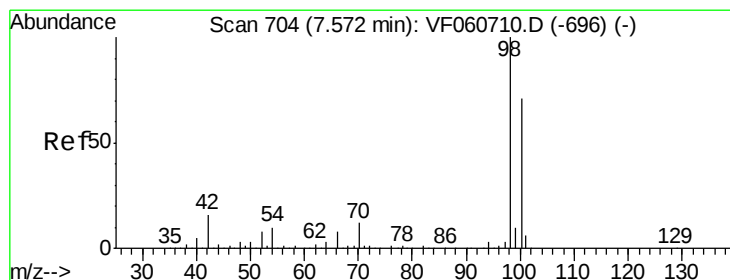
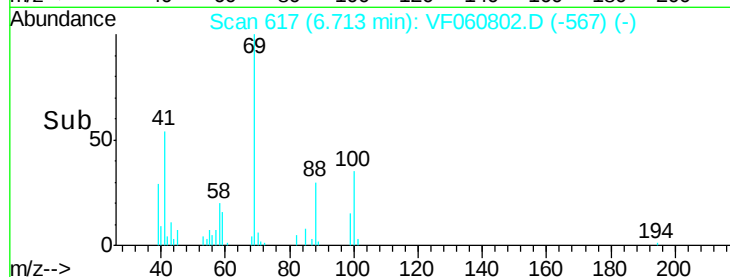
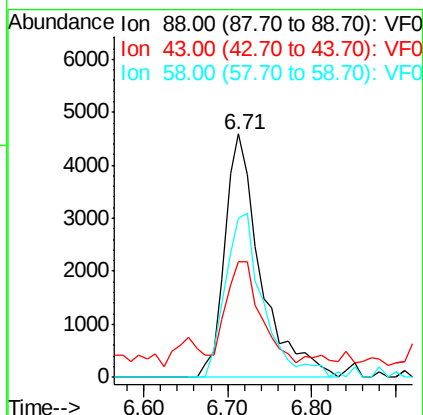
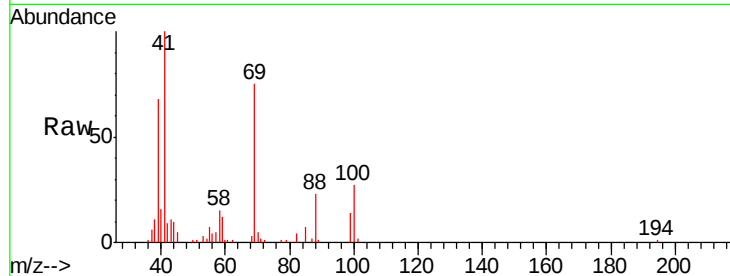
#49
1,4-Dioxane
Concen: 1109.79 ug/l
RT: 6.71 min Scan# 617
Delta R.T. -0.01 min
Lab File: VF060802.D
Acq: 20 Nov 2018 13:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	13621		
43	47.6		44.6	66.8
58	65.4		54.5	81.7

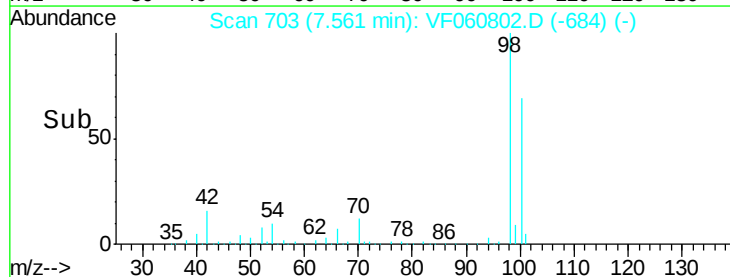
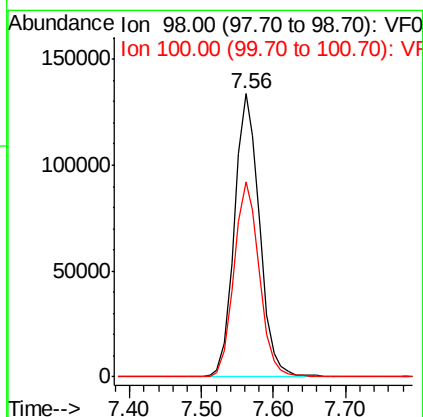
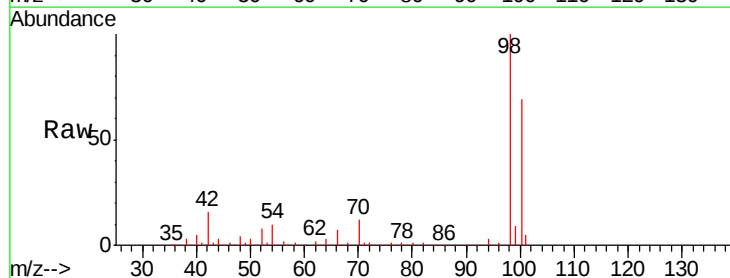
Manual Integrations
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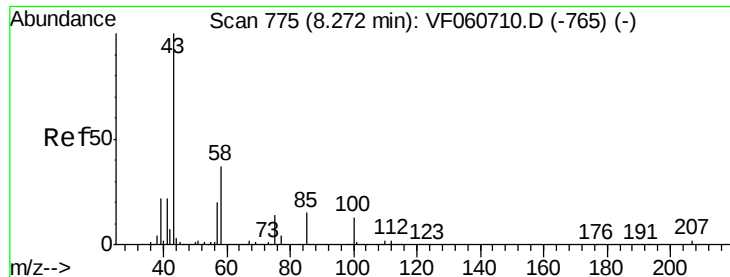
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#50
Toluene-d8
Concen: 48.56 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.01 min
Lab File: VF060802.D
Acq: 20 Nov 2018 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	325592		
100	69.0		56.5	84.7





#51

4-Methyl-2-Pentanone

Concen: 252.65 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 362334

Ion Ratio Lower Upper

43 100

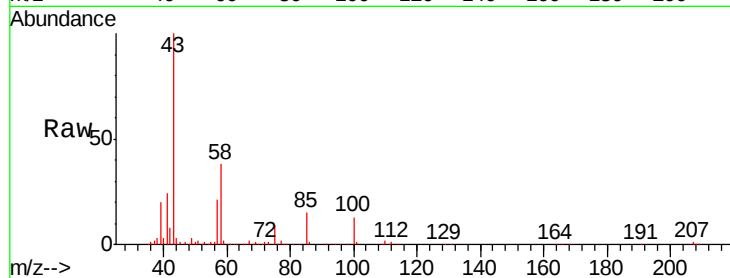
58 37.9 29.2 43.8

Manual Integrations

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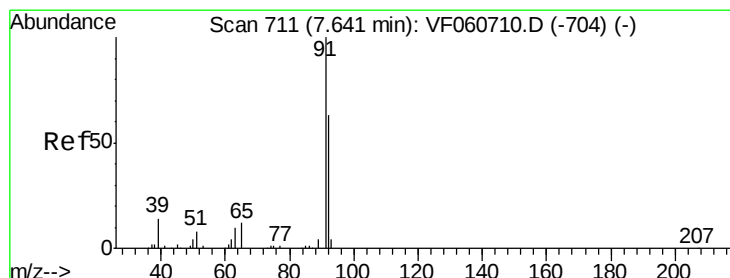
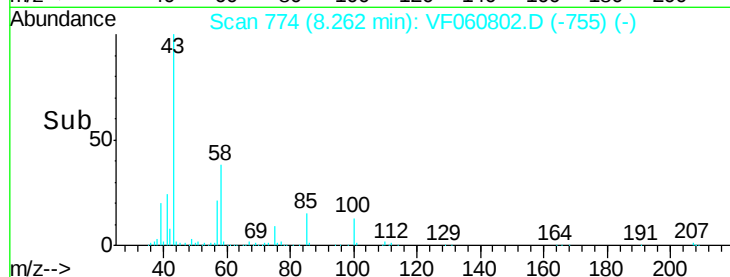
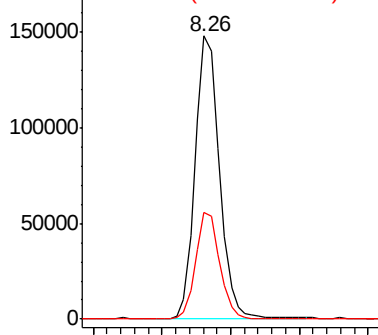
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 46.72 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF060802.D

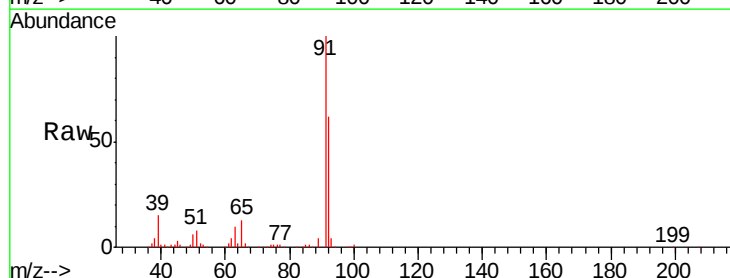
Acq: 20 Nov 2018 13:08

Tgt Ion: 92 Resp: 280759

Ion Ratio Lower Upper

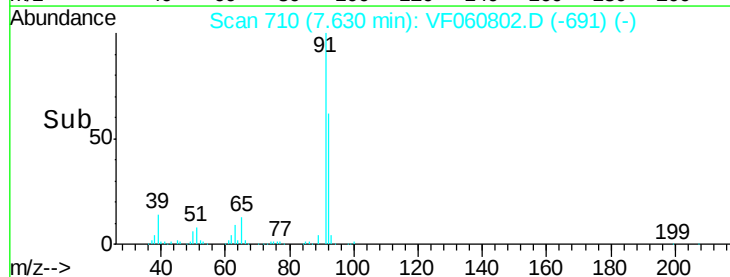
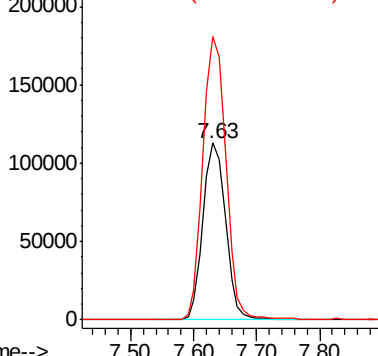
92 100

91 160.2 126.7 190.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 47.62 ug/l

RT: 8.29 min Scan# 777

Delta R.T. -0.00 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 150031

Ion Ratio Lower Upper

75 100

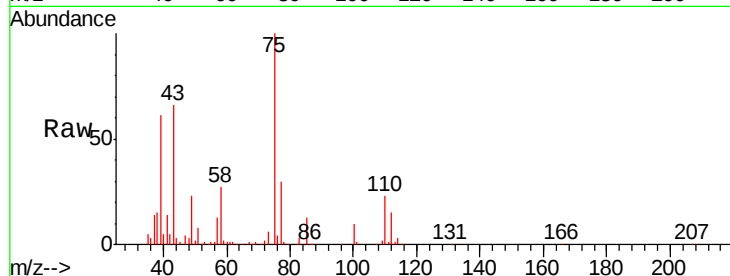
77 29.7 24.6 36.8

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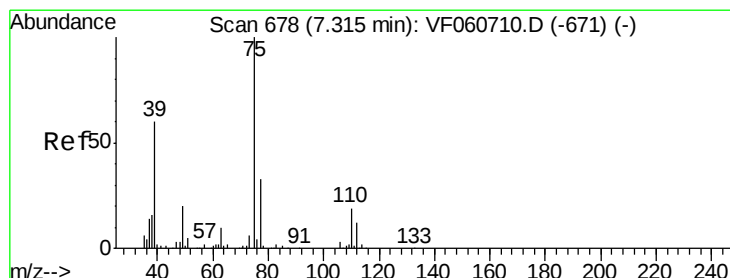
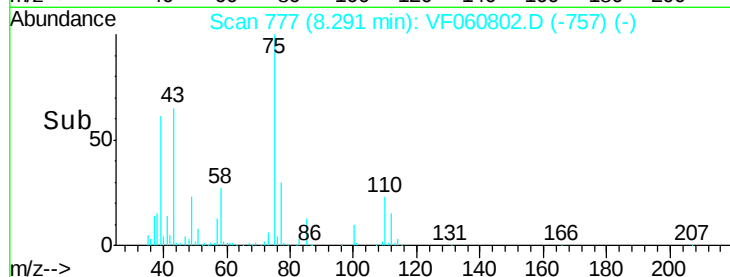
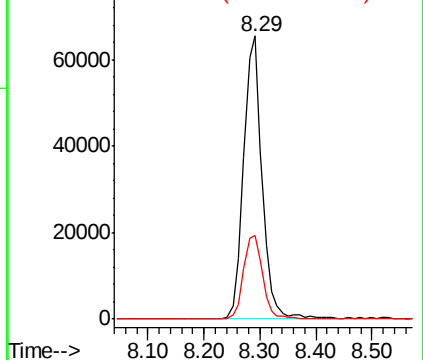
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 47.67 ug/l

RT: 7.30 min Scan# 677

Delta R.T. -0.01 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

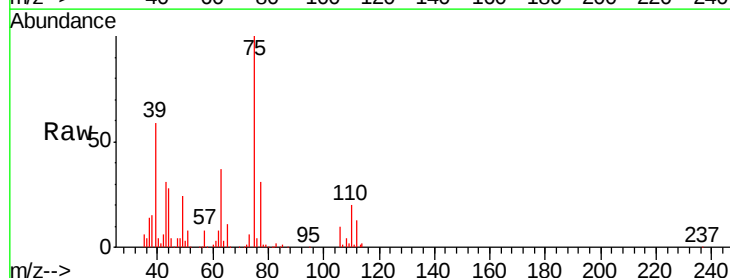
Tgt Ion: 75 Resp: 195086

Ion Ratio Lower Upper

75 100

77 30.6 26.5 39.7

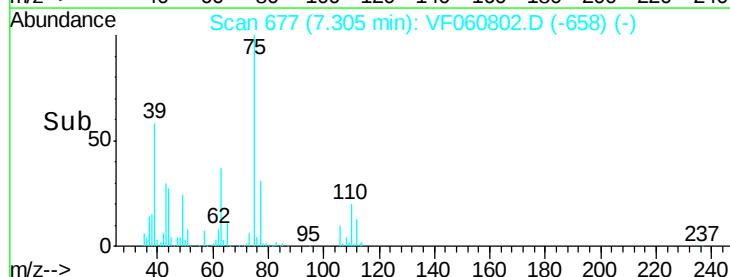
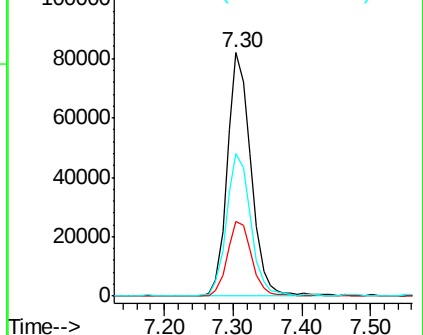
39 58.6 48.5 72.7

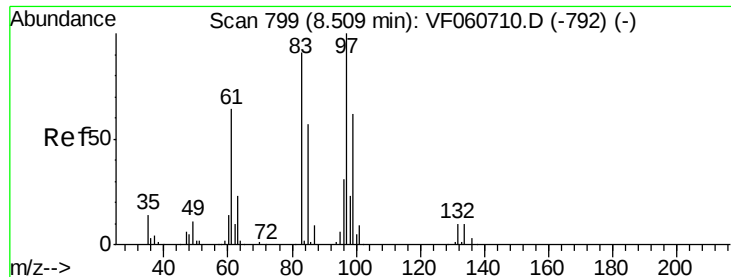


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 48.86 ug/l

RT: 8.50 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

Instrument :

MSVOA_F

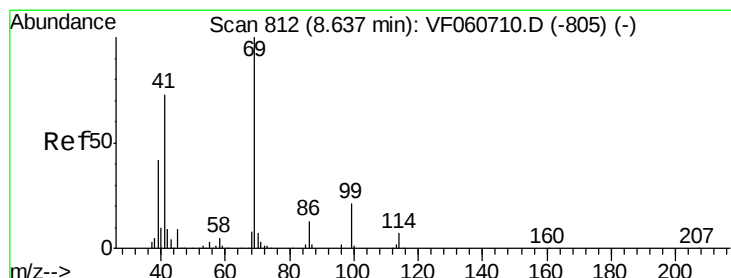
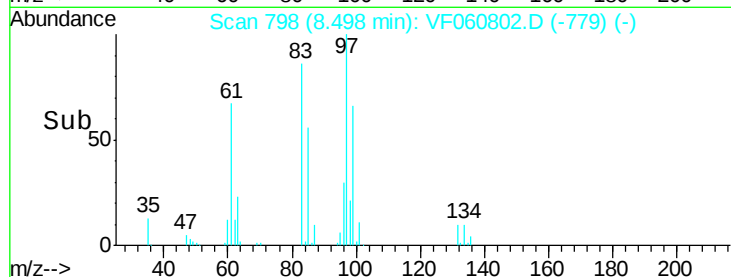
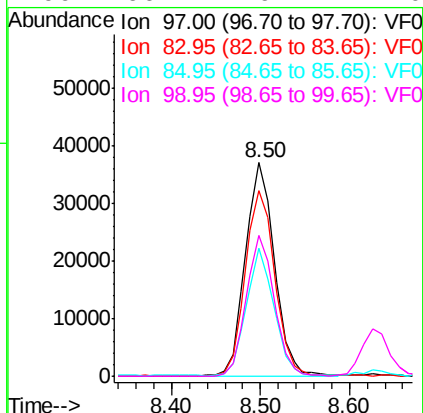
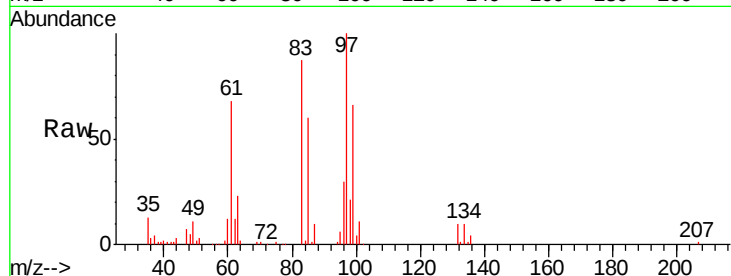
ClientSampleId :

VSTDCCC050

Tgt Ion:	97	Resp:	83896
Ion	Ratio	Lower	Upper
97	100		
83	86.9	72.8	109.2
85	59.8	45.8	68.6
99	66.2	49.4	74.0

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#56

Ethyl methacrylate

Concen: 45.59 ug/l

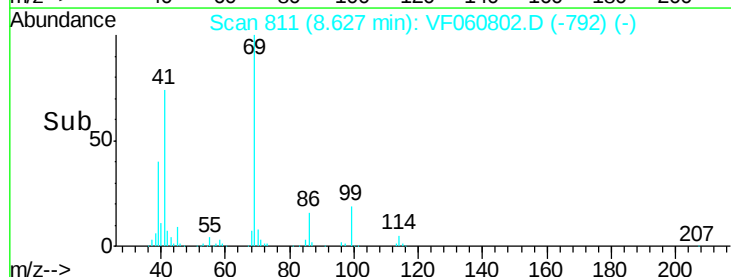
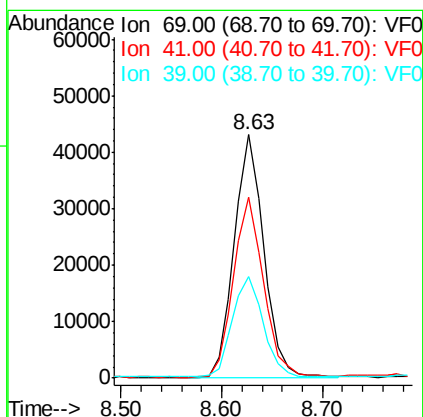
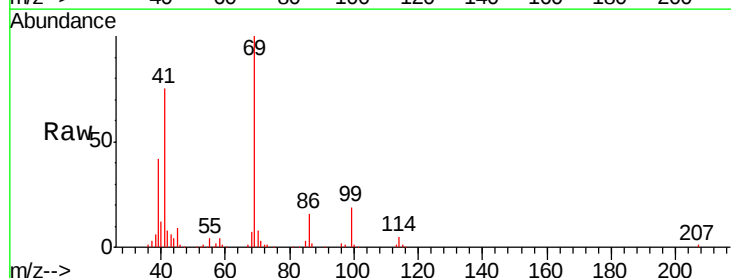
RT: 8.63 min Scan# 811

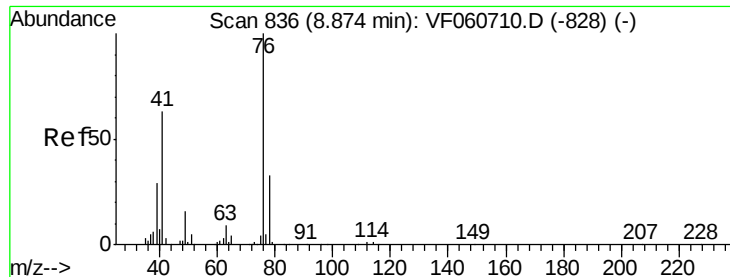
Delta R.T. -0.01 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

Tgt Ion:	69	Resp:	88891
Ion	Ratio	Lower	Upper
69	100		
41	74.5	59.0	88.6
39	41.5	34.0	51.0





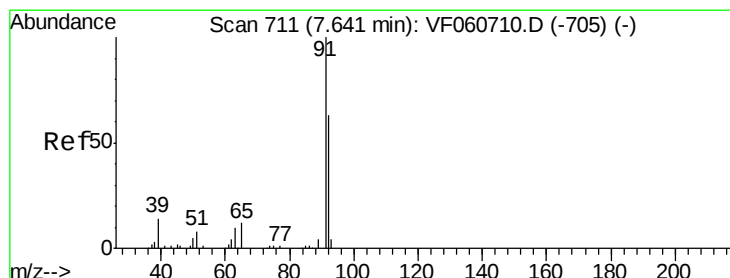
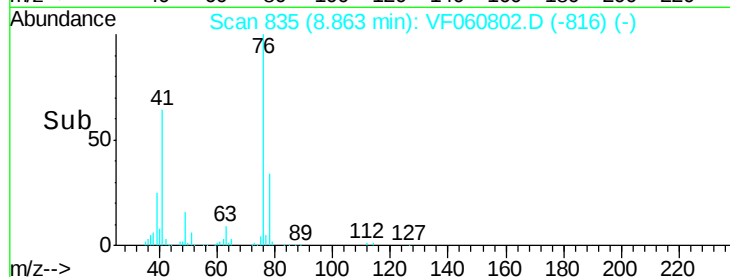
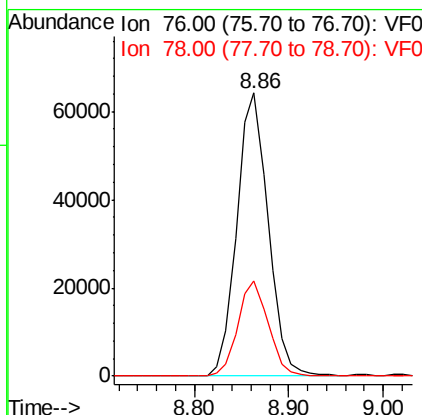
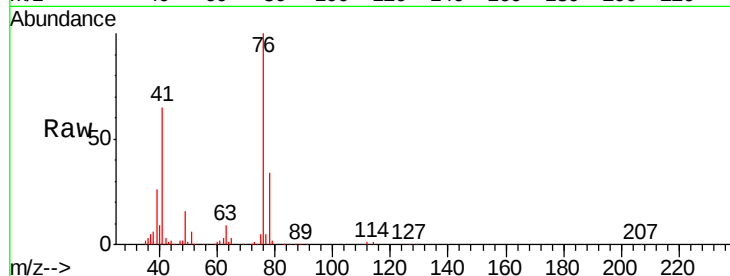
#57
 1,3-Dichloropropane
 Concen: 49.63 ug/l
 RT: 8.86 min Scan# 835
 Delta R.T. -0.01 min
 Lab File: VF060802.D
 Acq: 20 Nov 2018 13:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
76	100		
78	33.8	26.6	39.8

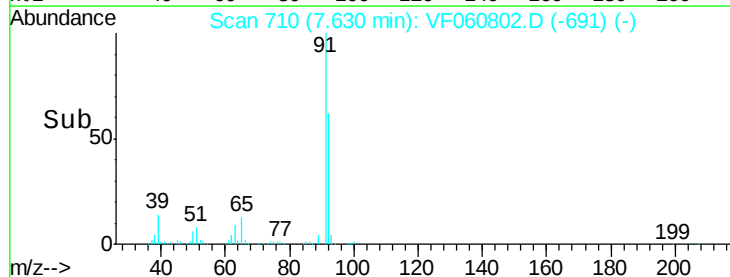
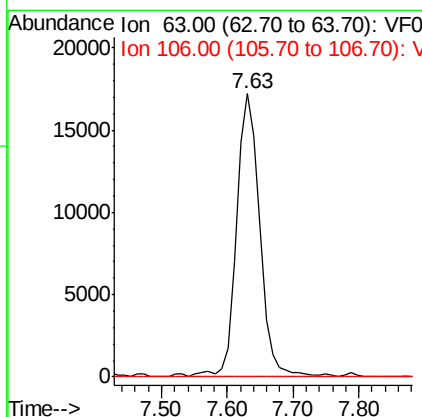
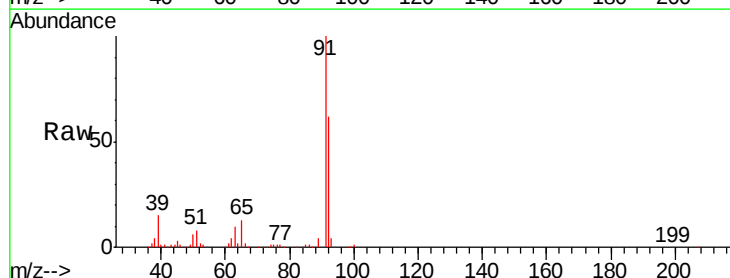
Manual Integrations
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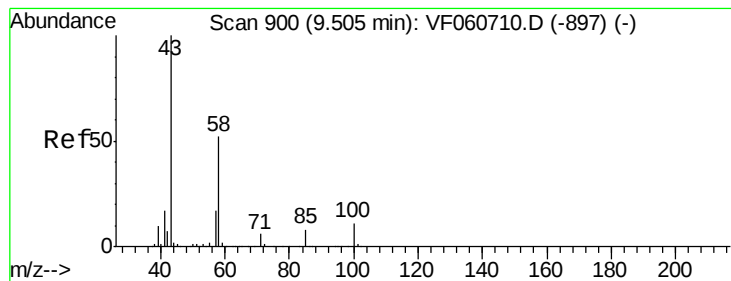
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#58
 2-Chloroethyl Vinyl ether
 Concen: 240.78 ug/l
 RT: 7.63 min Scan# 710
 Delta R.T. -0.01 min
 Lab File: VF060802.D
 Acq: 20 Nov 2018 13:08

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





#59

2-Hexanone

Concen: 257.44 ug/l

RT: 9.49 min Scan# 899

Delta R.T. -0.01 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 259466

Ion Ratio Lower Upper

43 100

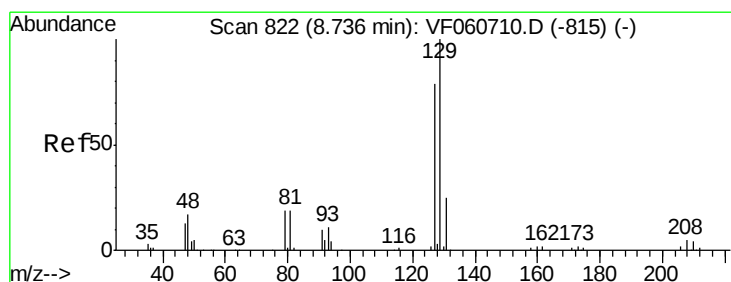
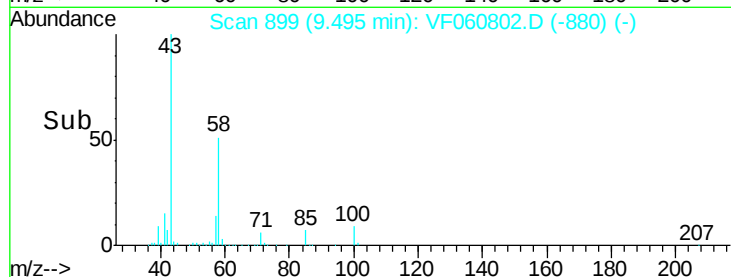
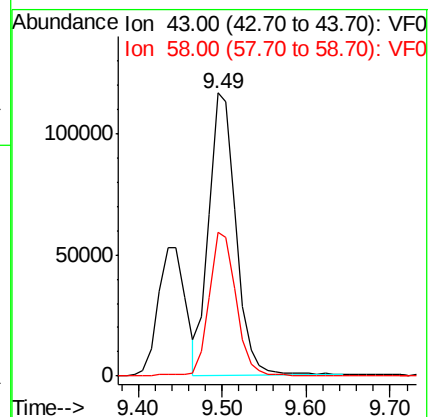
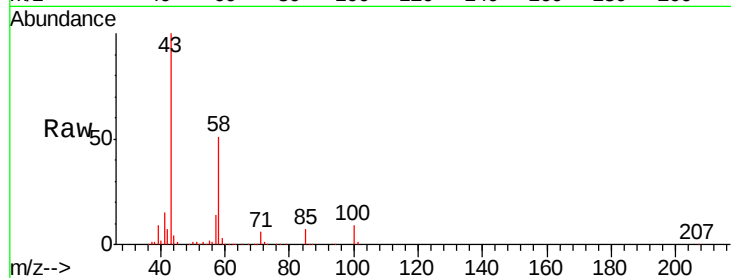
58 51.0 24.9 74.7

Manual Integrations

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#60

Dibromochloromethane

Concen: 48.33 ug/l

RT: 8.73 min Scan# 821

Delta R.T. -0.01 min

Lab File: VF060802.D

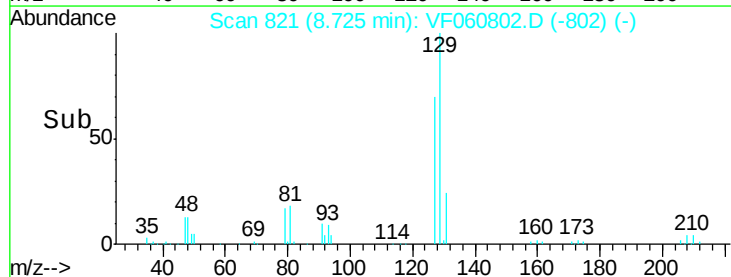
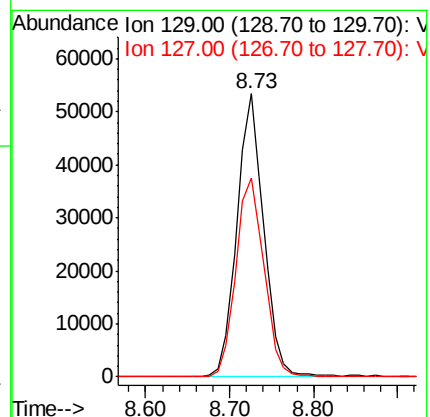
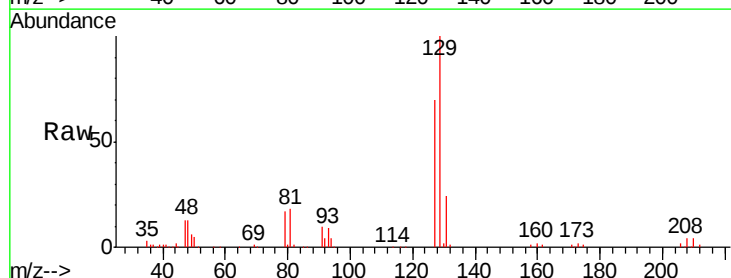
Acq: 20 Nov 2018 13:08

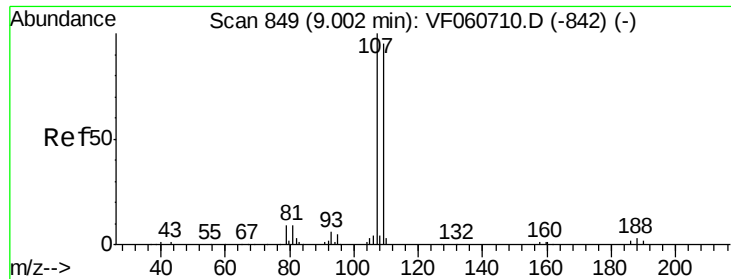
Tgt Ion: 129 Resp: 118258

Ion Ratio Lower Upper

129 100

127 70.5 39.7 119.1





#61

1,2-Dibromoethane

Concen: 51.72 ug/l

RT: 8.99 min Scan# 848

Delta R.T. -0.01 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 107 Resp: 93393

Ion Ratio Lower Upper

107 100

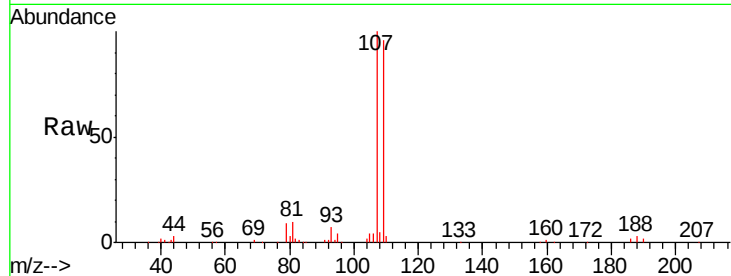
109 95.7 75.9 113.9

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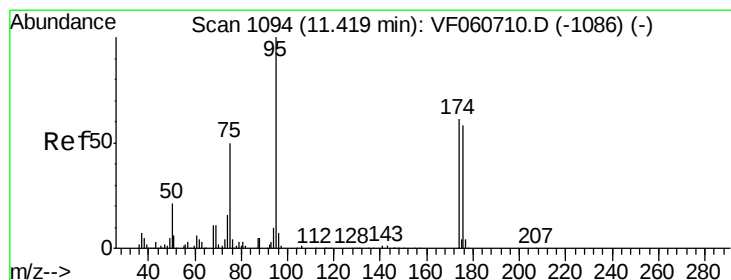
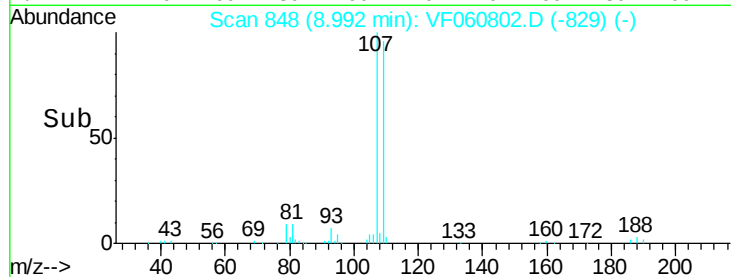
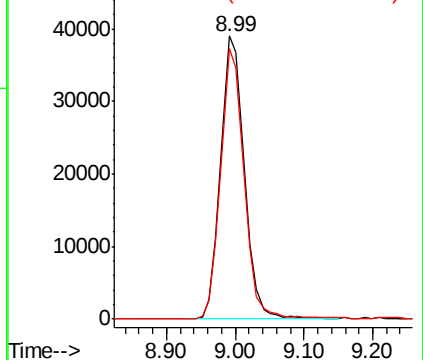
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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 49.55 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

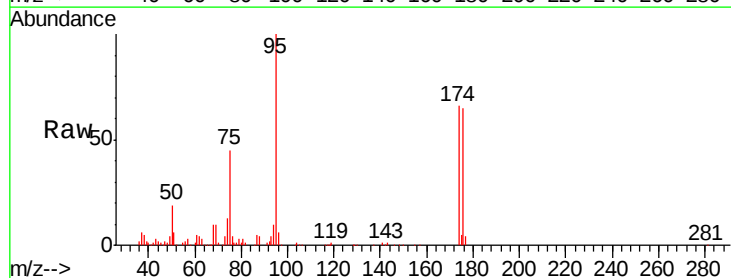
Tgt Ion: 95 Resp: 153001

Ion Ratio Lower Upper

95 100

174 65.5 0.0 121.6

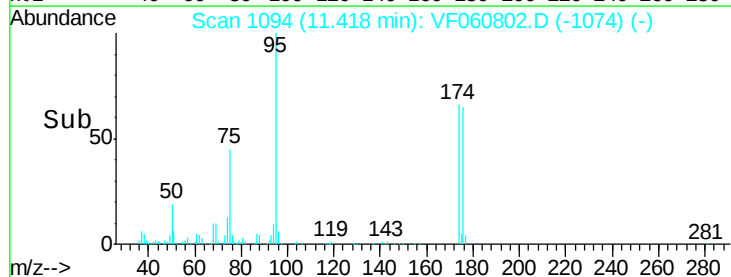
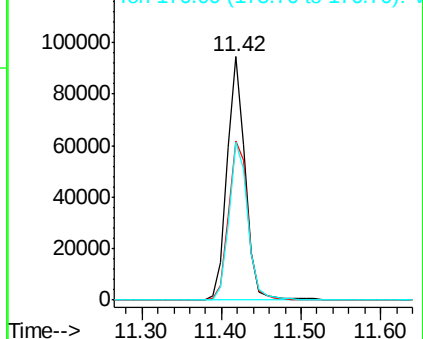
176 64.9 0.0 115.2

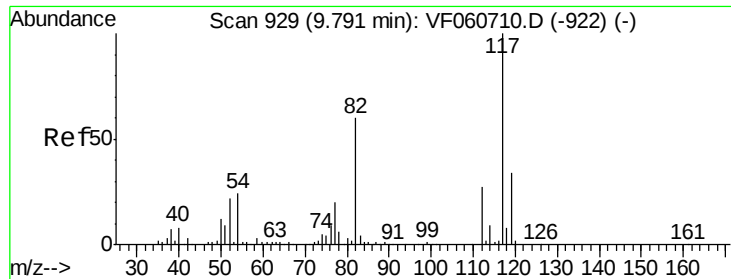


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





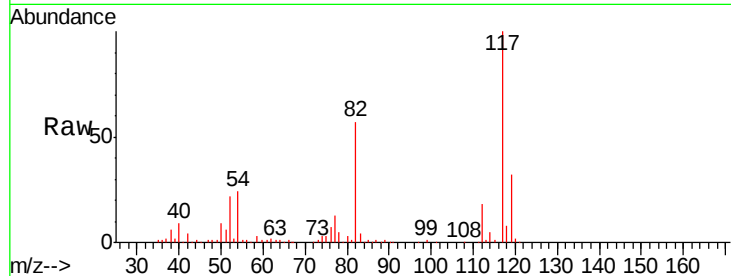
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF060802.D
Acq: 20 Nov 2018 13:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

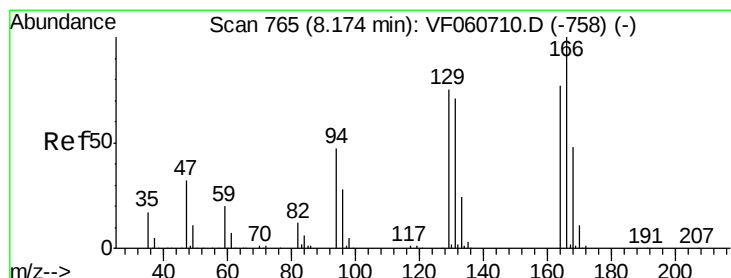
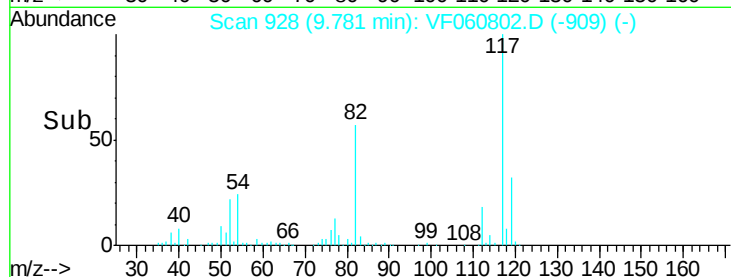
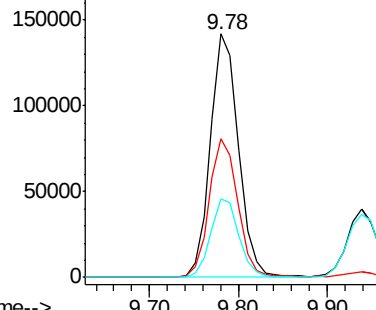
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	311316		
82	56.7	47.9	71.9	
119	32.0	26.8	40.2	

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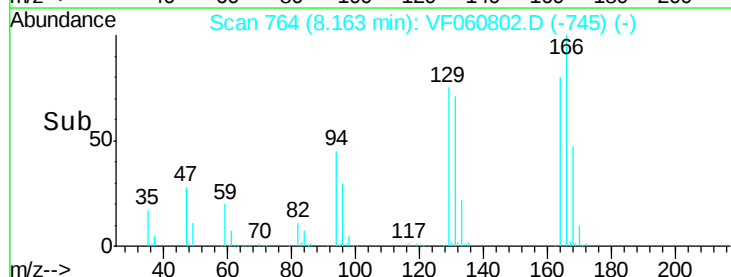
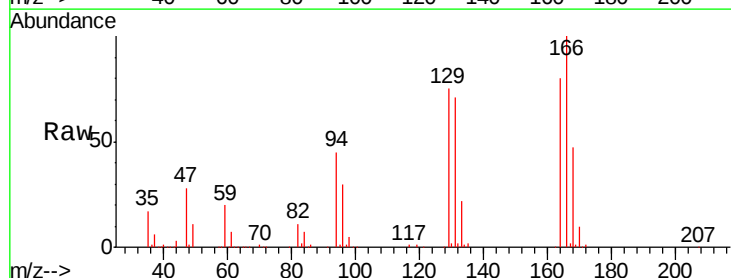
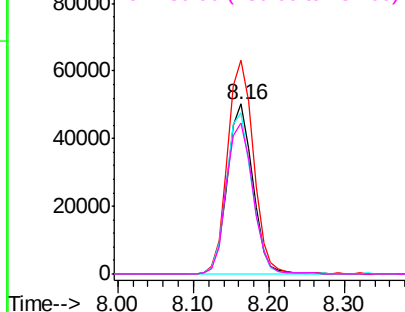
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 47.49 ug/l
RT: 8.16 min Scan# 764
Delta R.T. -0.01 min
Lab File: VF060802.D
Acq: 20 Nov 2018 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	117071		
166	125.7	103.5	155.3	
129	94.9	77.4	116.2	
131	88.7	73.5	110.3	

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





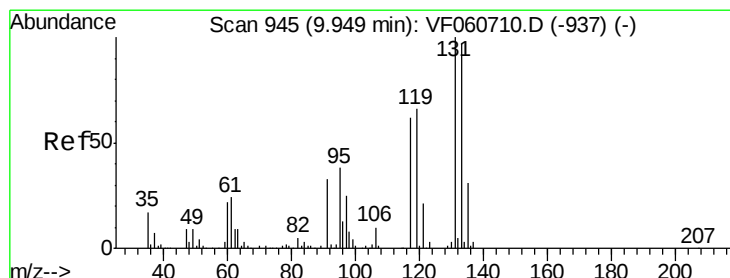
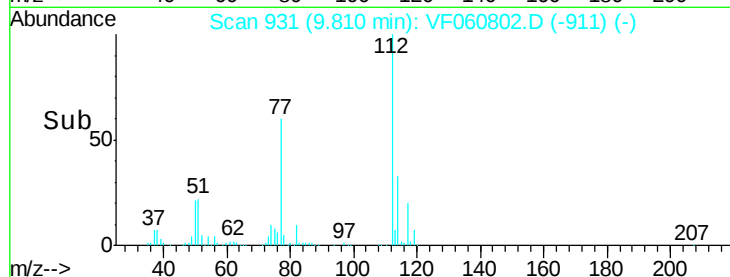
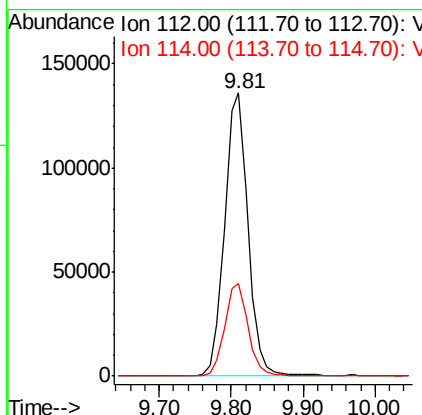
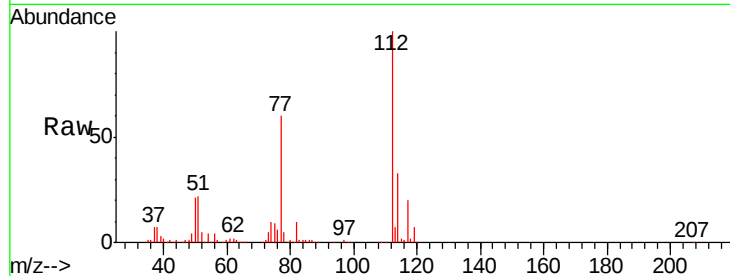
#65
Chlorobenzene
Concen: 48.66 ug/l
RT: 9.81 min Scan# 931
Delta R.T. -0.00 min
Lab File: VF060802.D
Acq: 20 Nov 2018 13:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 305673
Ion Ratio Lower Upper
112 100
114 32.8 26.1 39.1

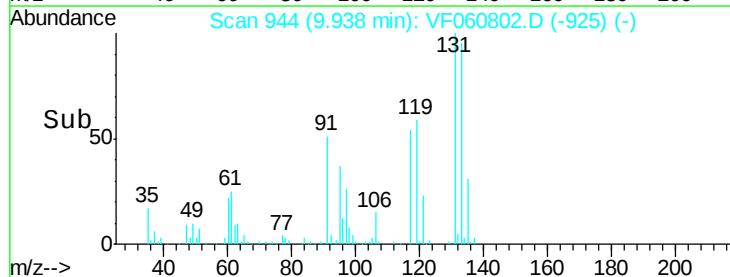
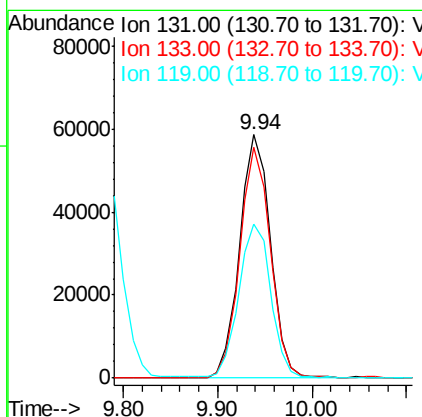
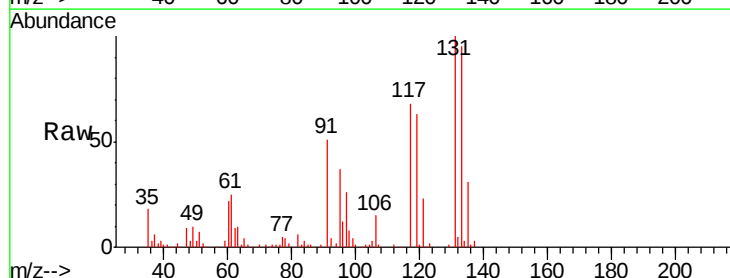
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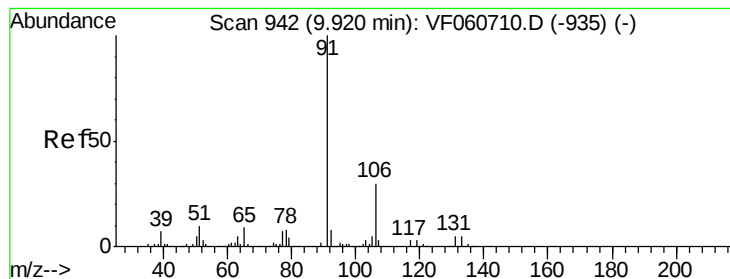
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.67 ug/l
RT: 9.94 min Scan# 944
Delta R.T. -0.01 min
Lab File: VF060802.D
Acq: 20 Nov 2018 13:08

Tgt Ion:131 Resp: 133352
Ion Ratio Lower Upper
131 100
133 94.8 48.3 144.8
119 63.3 33.2 99.6





#67

Ethyl Benzene

Concen: 47.01 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.01 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 556628

Ion Ratio Lower Upper

91 100

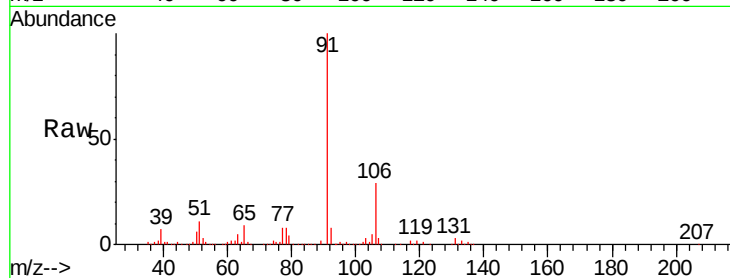
106 29.2 23.9 35.9

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

400000

300000

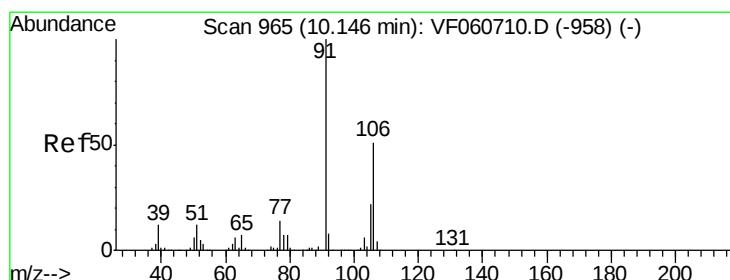
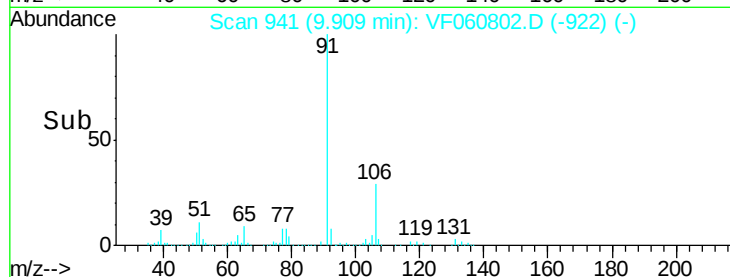
200000

100000

0

9.80 9.90 10.00 10.10

Time-->



#68

m/p-Xylenes

Concen: 94.06 ug/l

RT: 10.15 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF060802.D

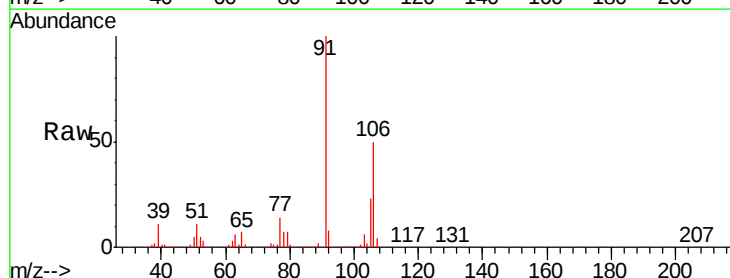
Acq: 20 Nov 2018 13:08

Tgt Ion: 106 Resp: 398043

Ion Ratio Lower Upper

106 100

91 200.1 158.2 237.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

400000

300000

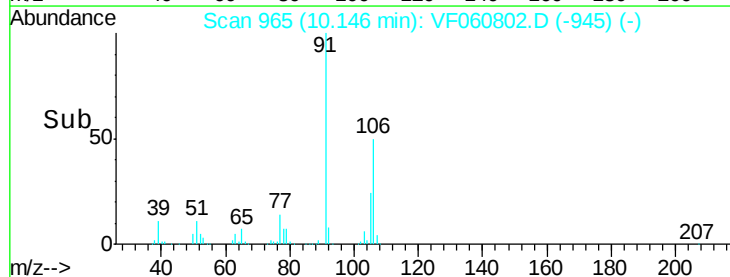
200000

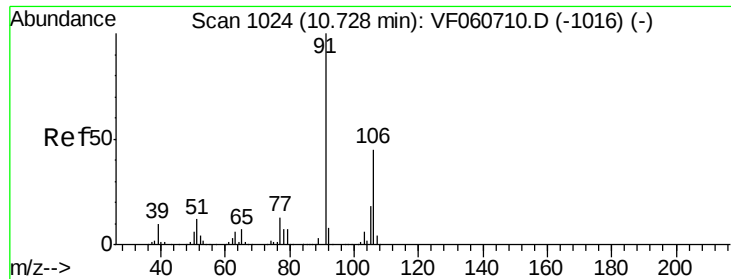
100000

0

10.00 10.10 10.20 10.30

Time-->





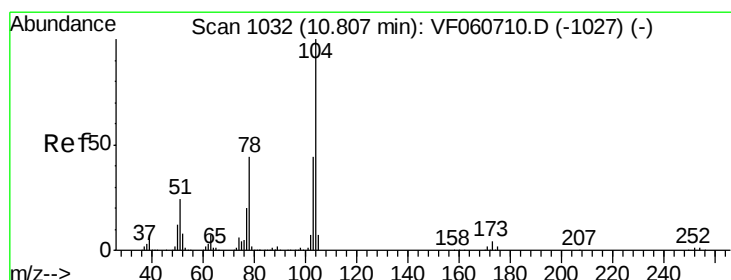
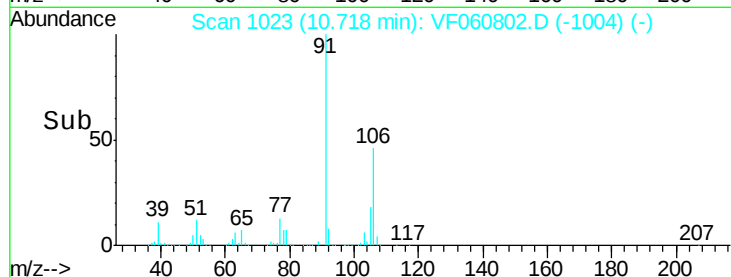
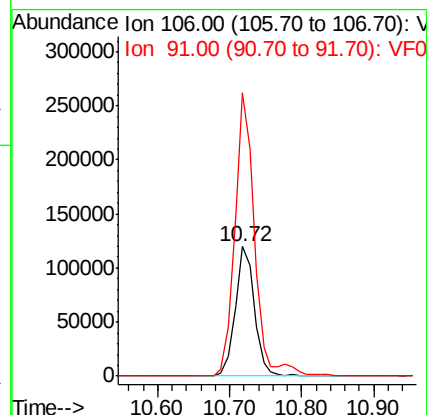
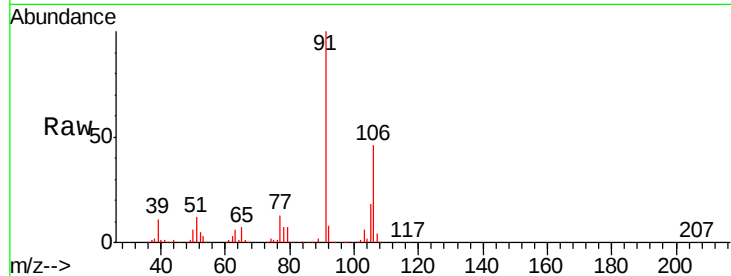
#69
o-Xylene
Concen: 46.90 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VF060802.D
Acq: 20 Nov 2018 13:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 223144
Ion Ratio Lower Upper
106 100
91 218.8 110.3 330.9

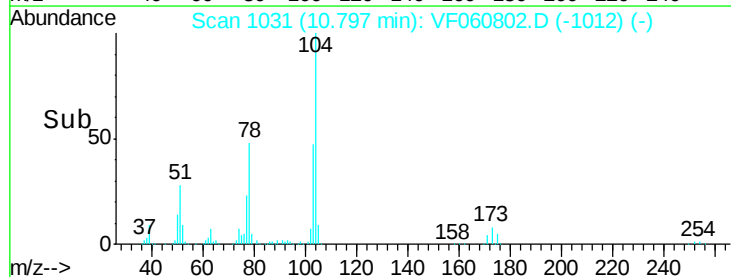
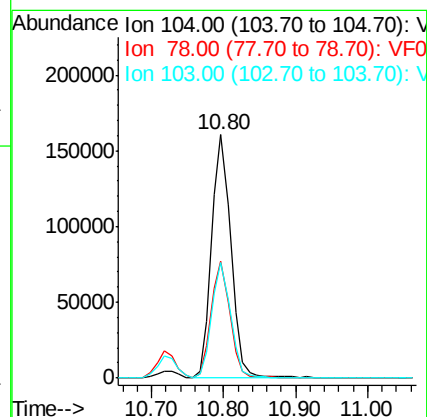
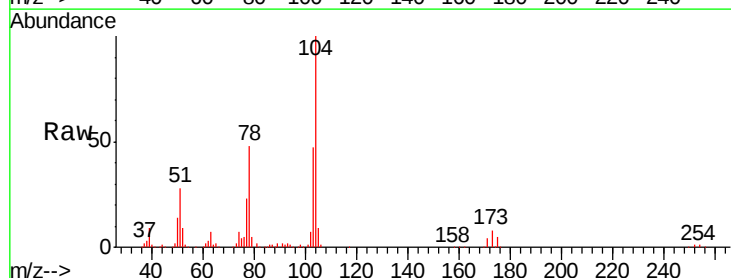
Manual Integrations
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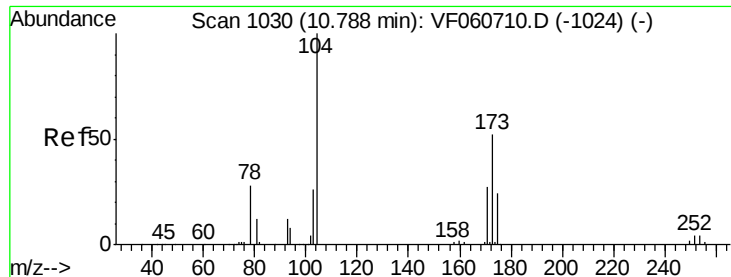
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#70
Styrene
Concen: 46.19 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VF060802.D
Acq: 20 Nov 2018 13:08

Tgt Ion:104 Resp: 298245
Ion Ratio Lower Upper
104 100
78 47.8 35.4 53.2
103 47.4 35.8 53.6





#71

Bromoform

Concen: 49.03 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

Instrument :

MSVOA_F

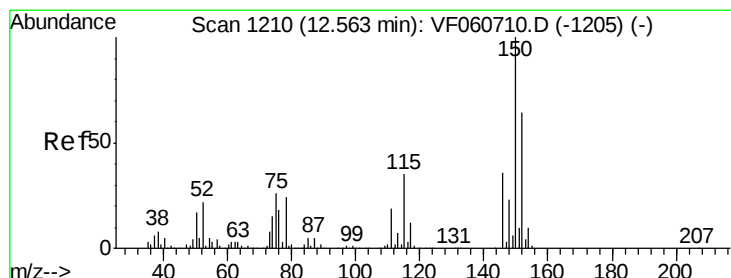
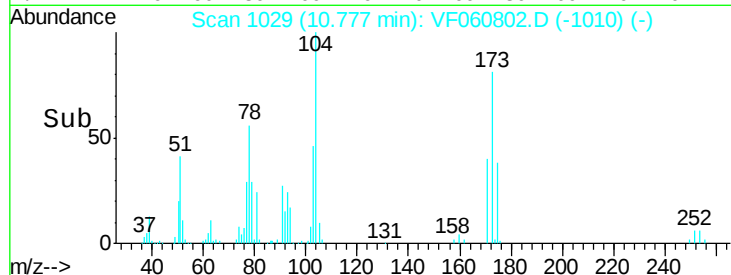
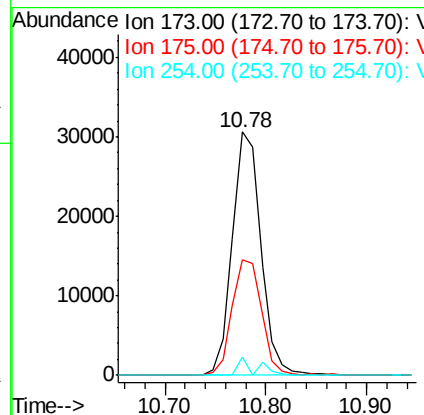
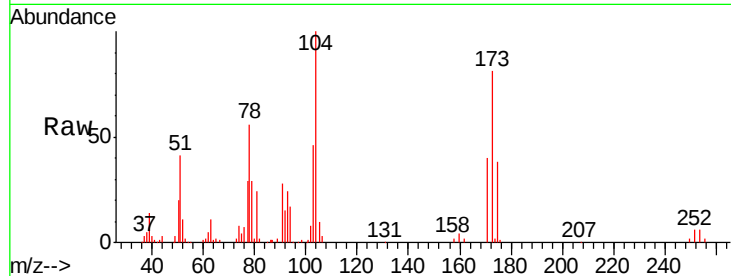
ClientSampleId :

VSTDCCC050

Tgt Ion:173 Resp: 60412
 Ion Ratio Lower Upper
 173 100
 175 47.3 23.4 70.0
 254 7.3 5.8 8.8

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

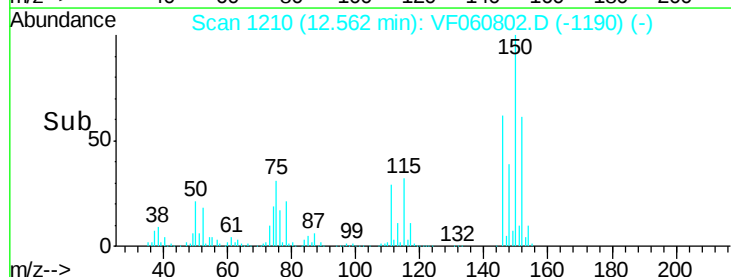
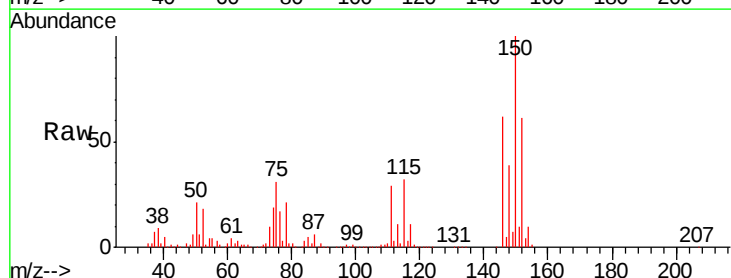
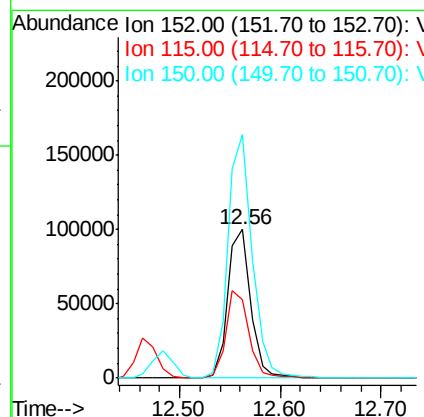
RT: 12.56 min Scan# 1210

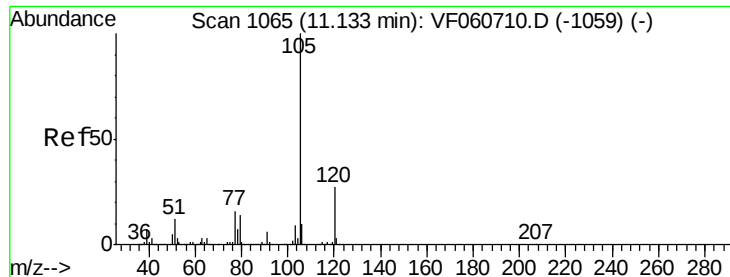
Delta R.T. -0.00 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

Tgt Ion:152 Resp: 159512
 Ion Ratio Lower Upper
 152 100
 115 52.8 27.9 83.7
 150 163.6 0.0 316.4





#73

Isopropylbenzene

Concen: 50.91 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 653601

Ion Ratio Lower Upper

105 100

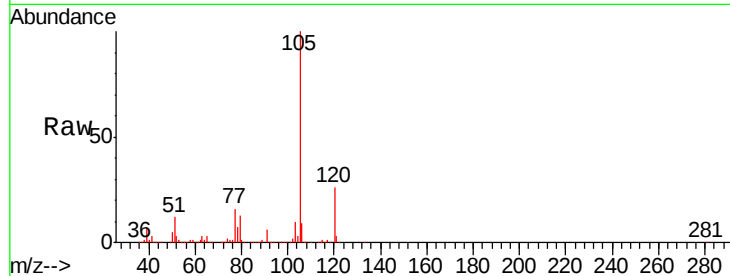
120 26.2 13.4 40.1

Manual Integrations

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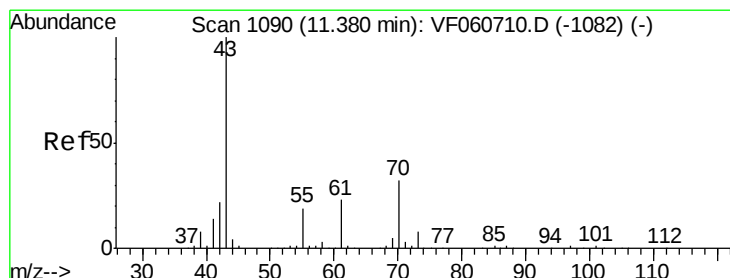
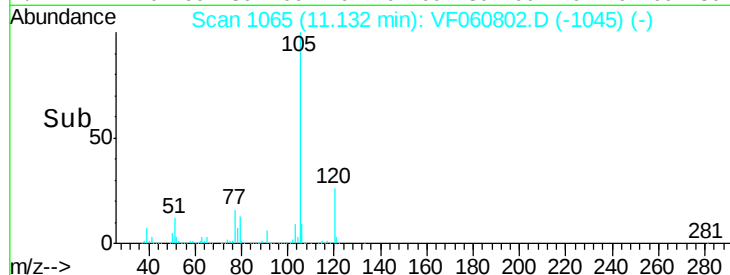
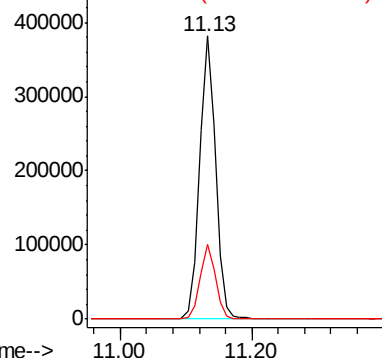
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.98 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

Tgt Ion: 43 Resp: 157786

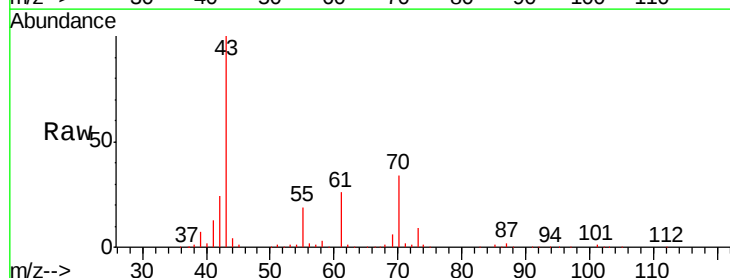
Ion Ratio Lower Upper

43 100

70 33.6 25.5 38.3

55 19.2 14.9 22.3

61 25.7 18.6 27.8

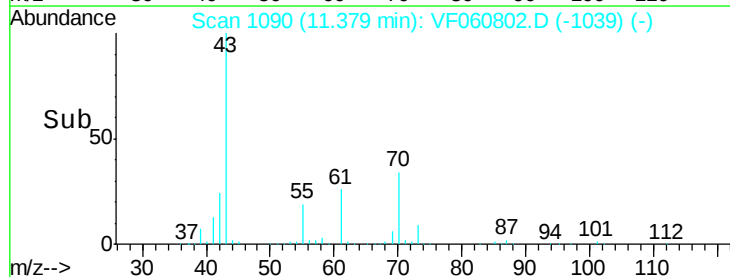
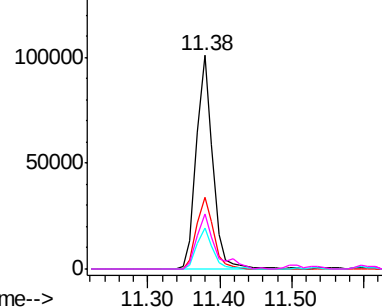


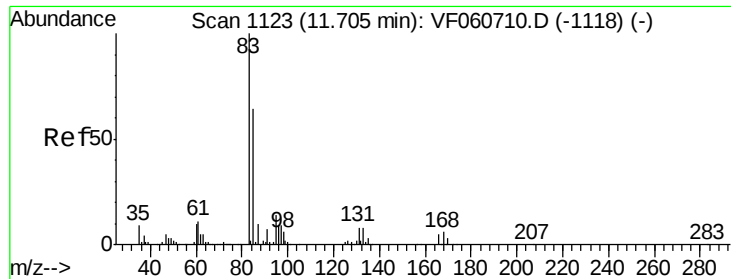
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.14 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

Instrument :

MSVOA_F

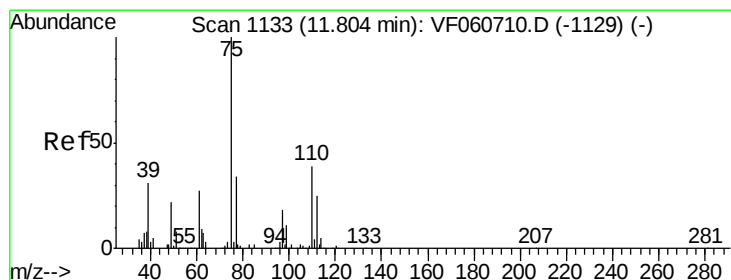
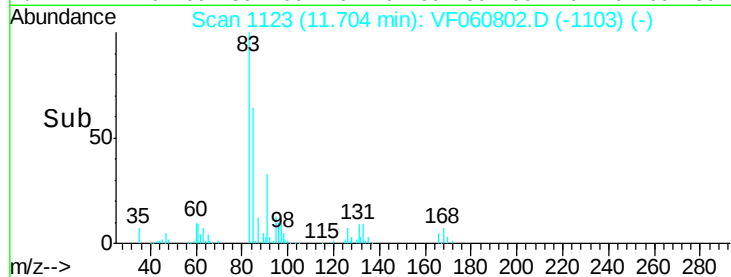
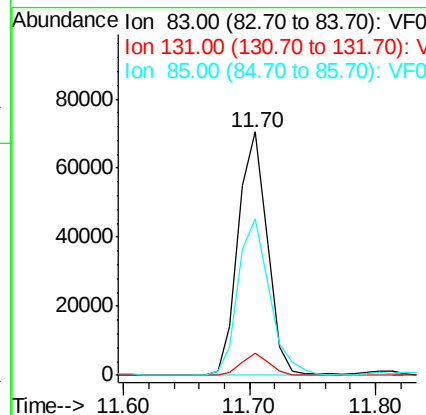
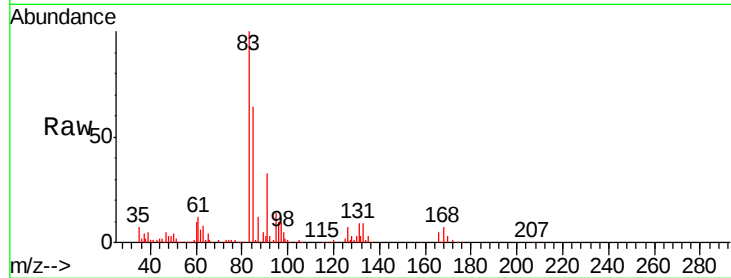
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	112806
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.2	12.4
85	64.3	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.51 ug/l

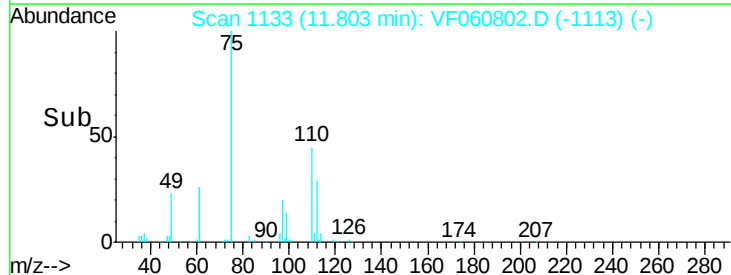
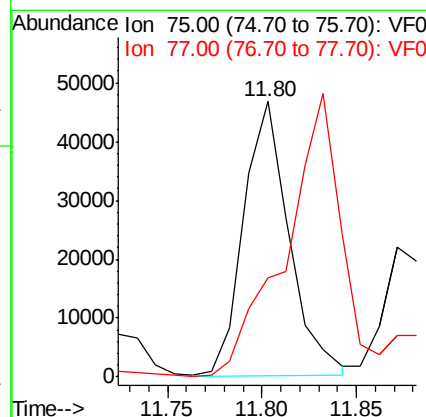
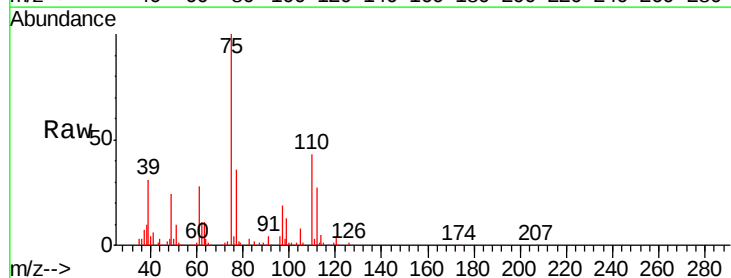
RT: 11.80 min Scan# 1133

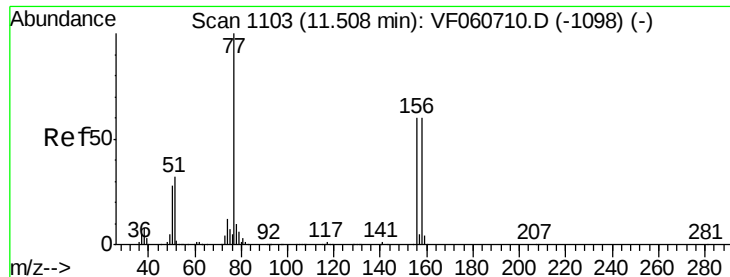
Delta R.T. -0.00 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

Tgt Ion:	75	Resp:	78049
Ion Ratio	Lower	Upper	
75	100		
77	35.9	17.0	51.0





#77

Bromobenzene

Concen: 52.11 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

Instrument :

MSVOA_F

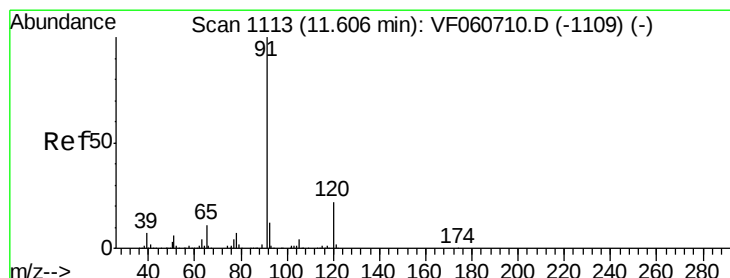
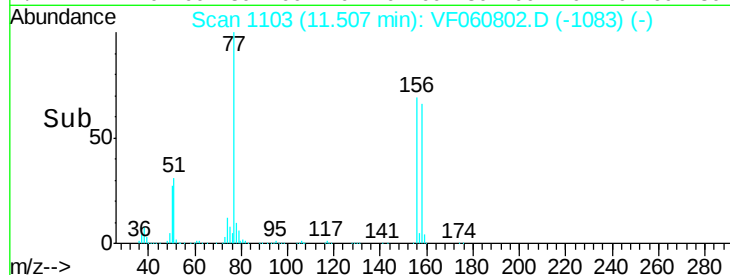
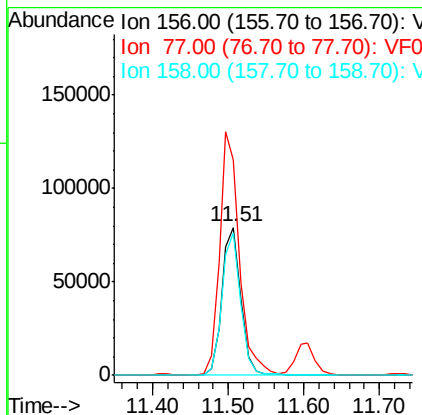
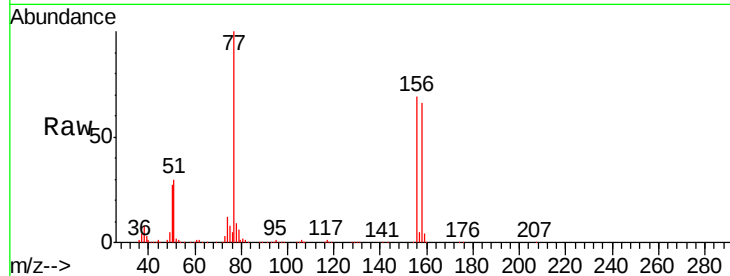
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
156	100		
77	145.6	83.0	248.9
158	96.1	49.6	149.0

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#78

n-propylbenzene

Concen: 49.41 ug/l

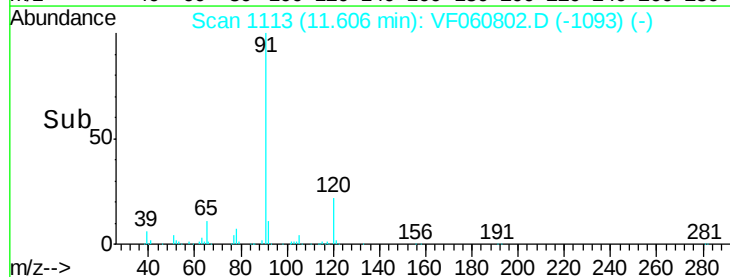
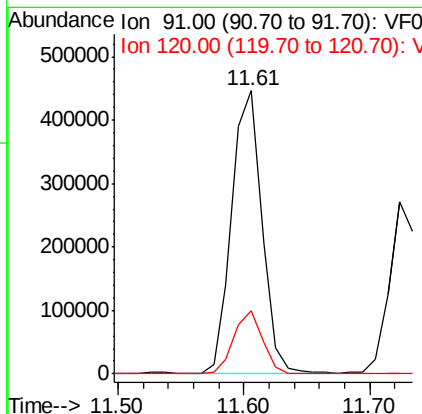
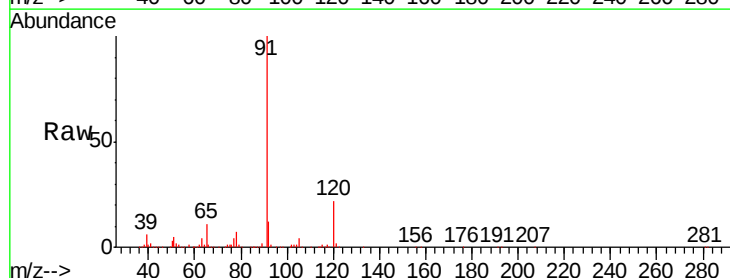
RT: 11.61 min Scan# 1113

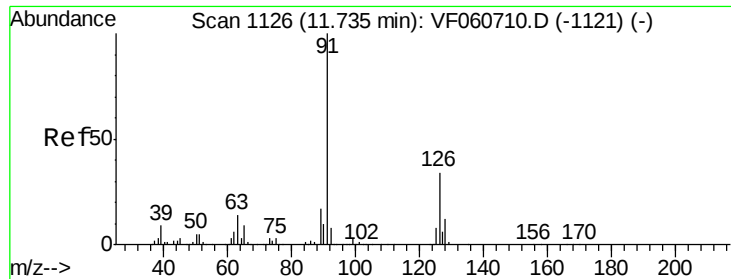
Delta R.T. -0.00 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.2	33.5





#79

2-Chlorotoluene

Concen: 49.54 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 431127

Ion Ratio Lower Upper

91 100

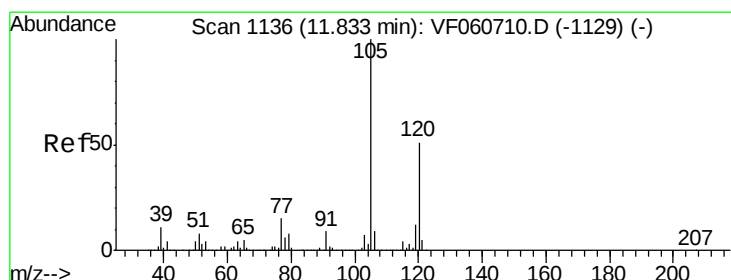
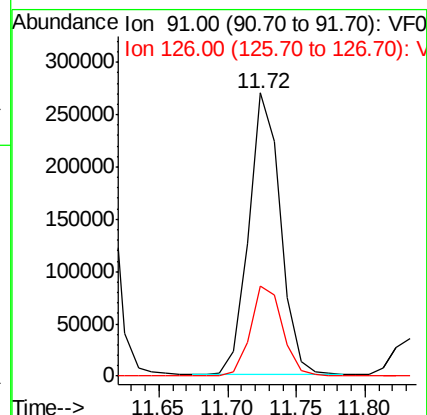
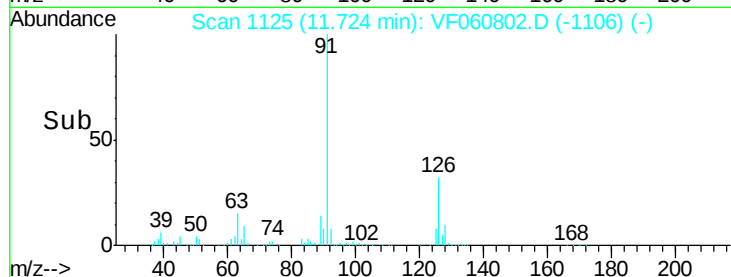
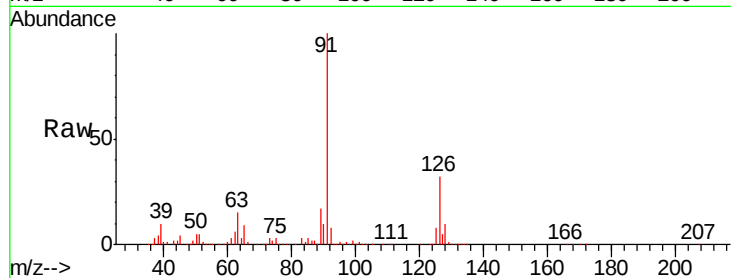
126 31.9 16.8 50.4

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#80

1,3,5-Trimethylbenzene

Concen: 50.20 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VF060802.D

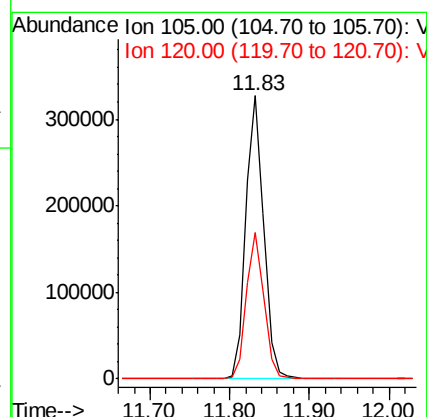
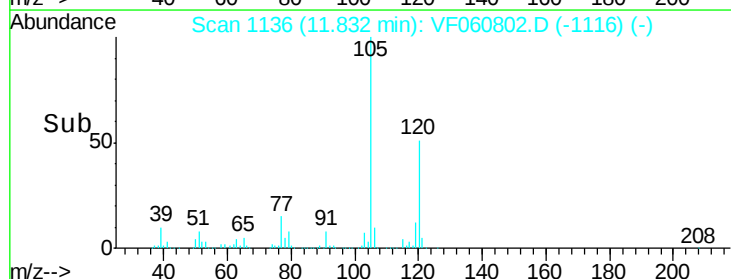
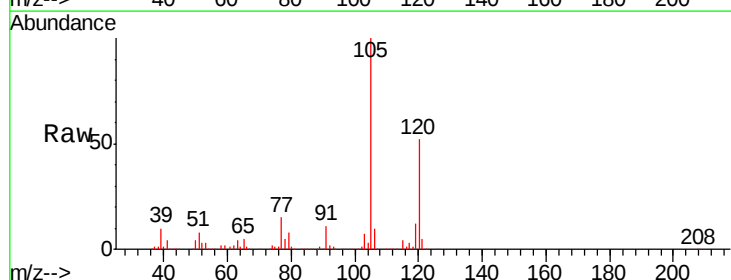
Acq: 20 Nov 2018 13:08

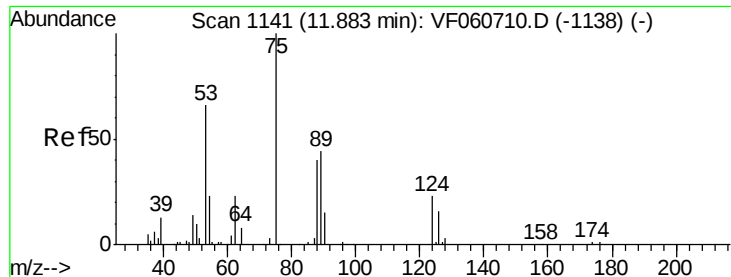
Tgt Ion: 105 Resp: 511710

Ion Ratio Lower Upper

105 100

120 51.9 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 53.95 ug/l m

RT: 11.87 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

Instrument :

MSVOA_F

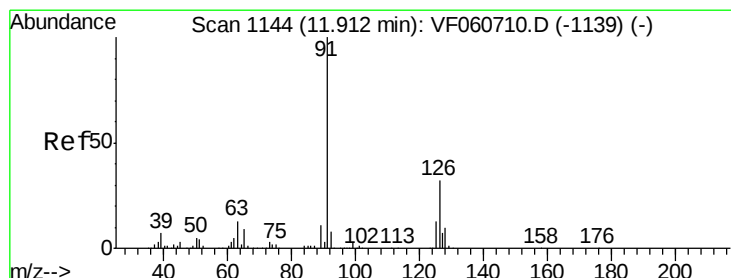
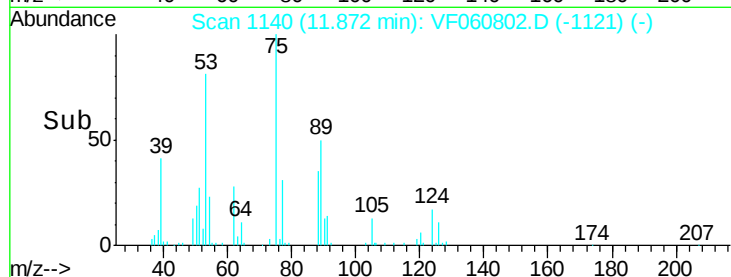
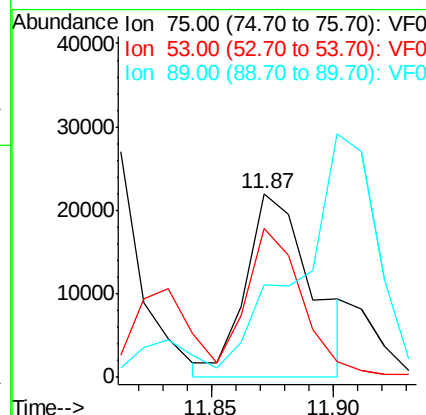
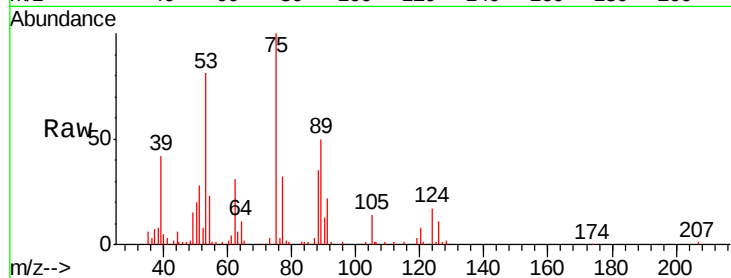
ClientSampleId :

VSTDCCC050

Tgt Ion:	75	Resp:	41783
Ion	Ratio	Lower	Upper
75	100		
53	80.8	57.0	85.4
89	50.2	37.8	56.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.08 ug/l

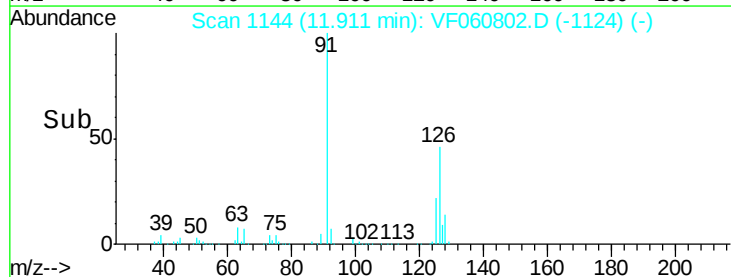
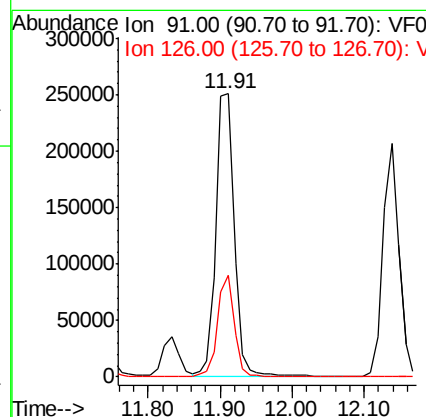
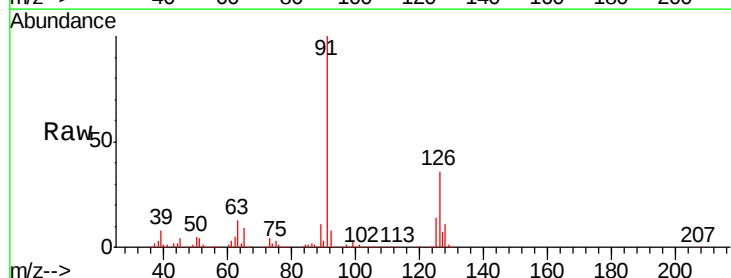
RT: 11.91 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VF060802.D

Acq: 20 Nov 2018 13:08

Tgt Ion:	91	Resp:	437637
Ion	Ratio	Lower	Upper
91	100		
126	35.8	16.0	47.9





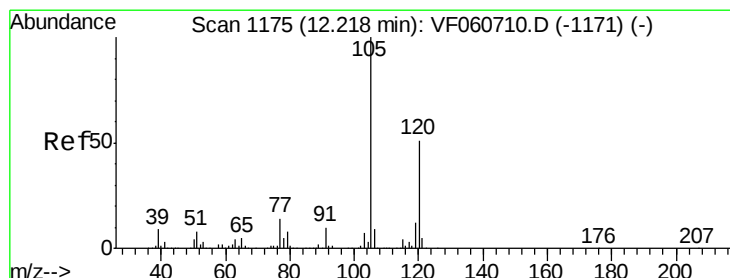
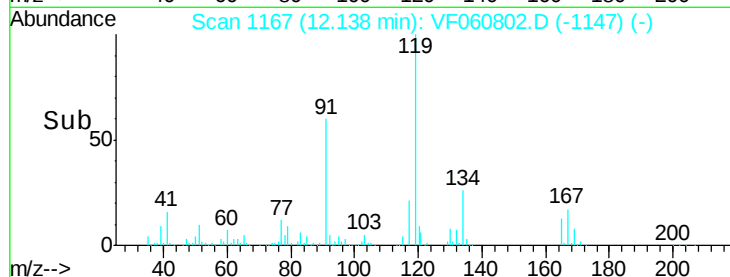
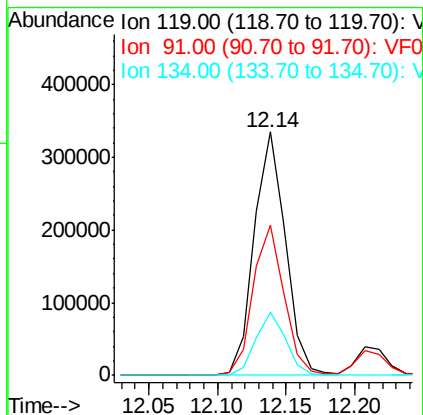
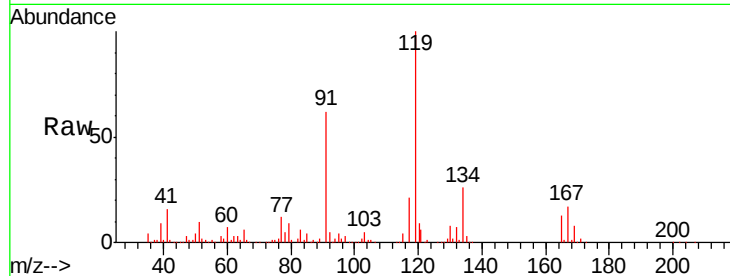
#83
 tert-Butylbenzene
 Concen: 49.38 ug/l
 RT: 12.14 min Scan# 1167
 Delta R.T. -0.00 min
 Lab File: VF060802.D
 Acq: 20 Nov 2018 13:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
119	100		
91	61.7	31.4	94.3
134	26.0	12.8	38.4

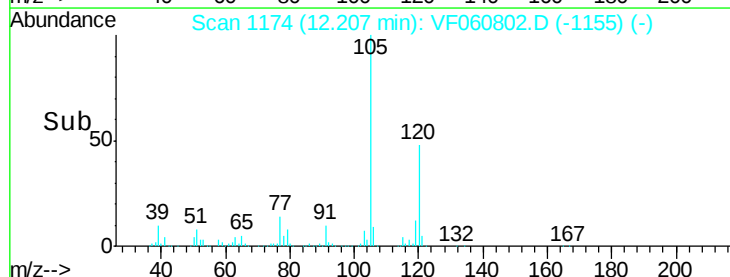
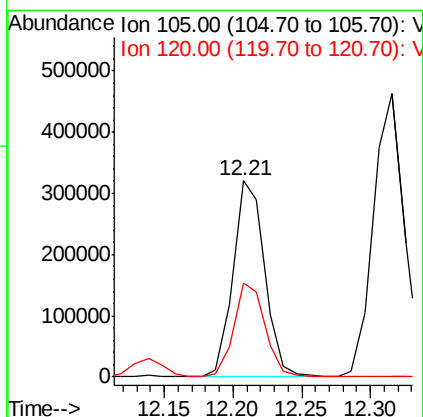
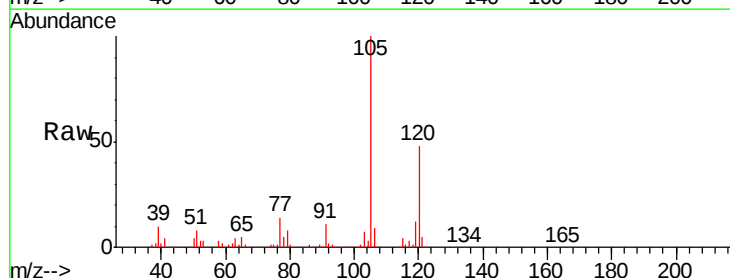
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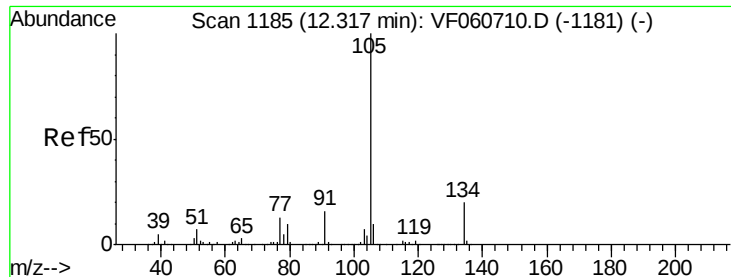
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.67 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VF060802.D
 Acq: 20 Nov 2018 13:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.7	25.5	76.5





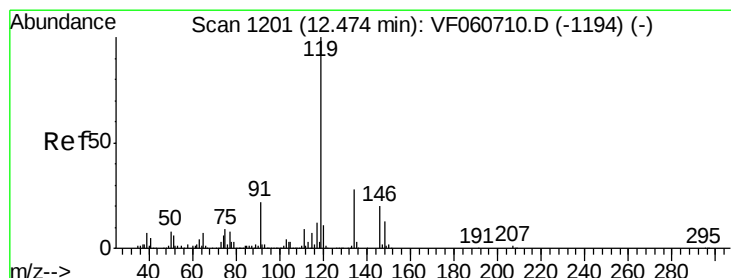
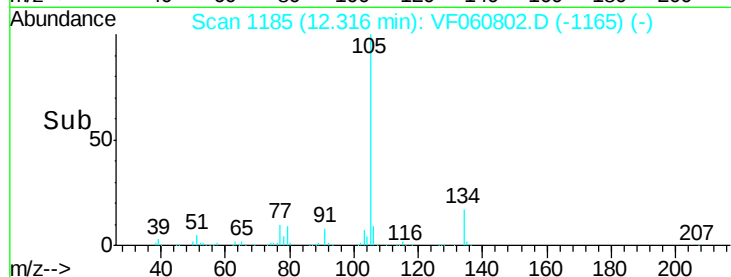
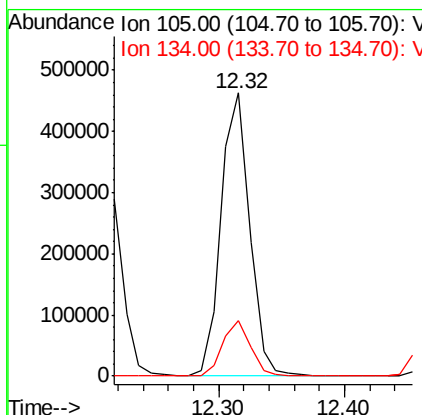
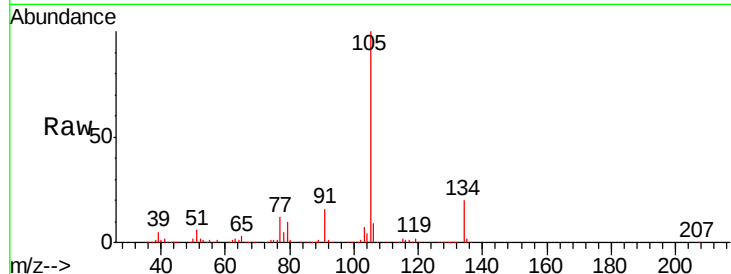
#85
 sec-Butylbenzene
 Concen: 49.35 ug/l
 RT: 12.32 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: VF060802.D
 Acq: 20 Nov 2018 13:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.6	10.1	30.3

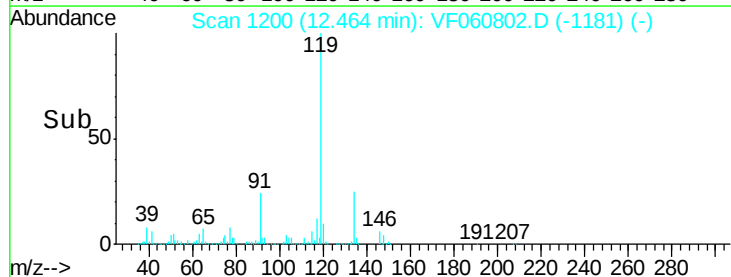
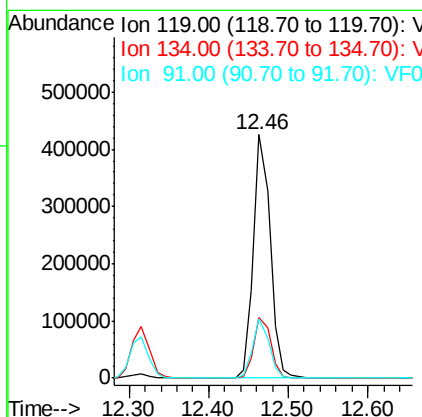
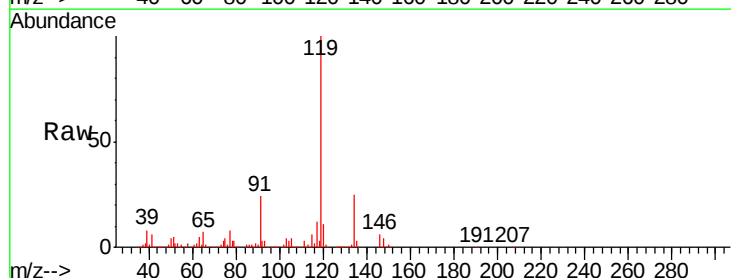
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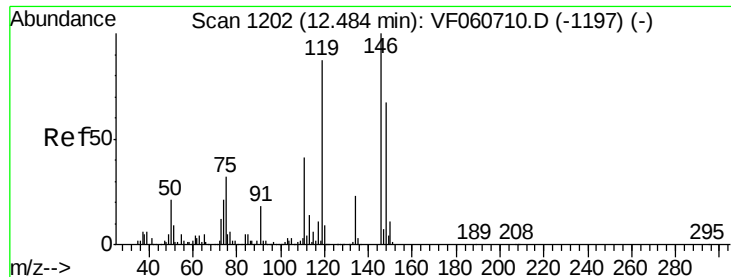
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#86
 p-Isopropyltoluene
 Concen: 50.18 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF060802.D
 Acq: 20 Nov 2018 13:08

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.0	13.9	41.7
91	24.1	11.3	33.9





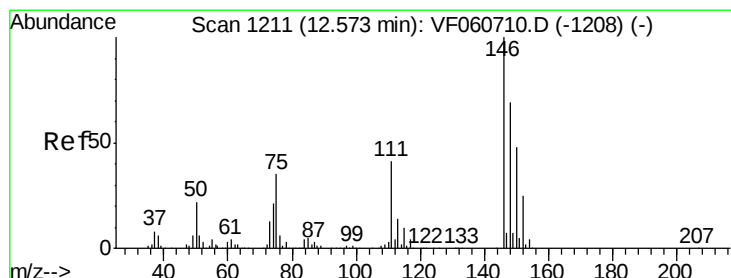
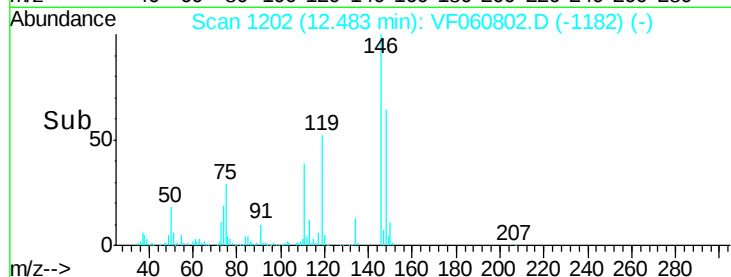
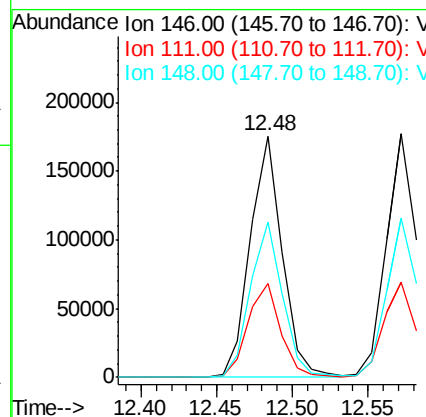
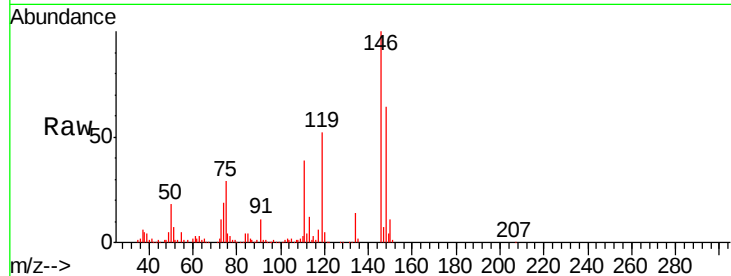
#87
 1,3-Dichlorobenzene
 Concen: 48.78 ug/l
 RT: 12.48 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VF060802.D
 Acq: 20 Nov 2018 13:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.3	60.8
148	64.4	33.3	99.9

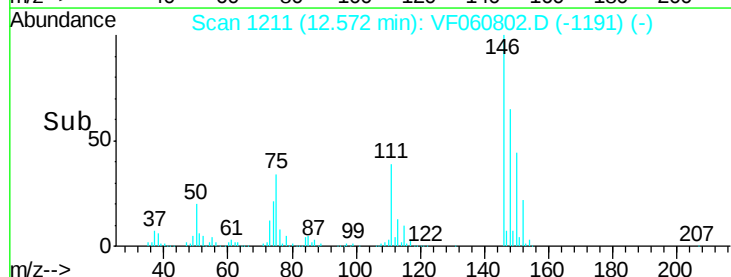
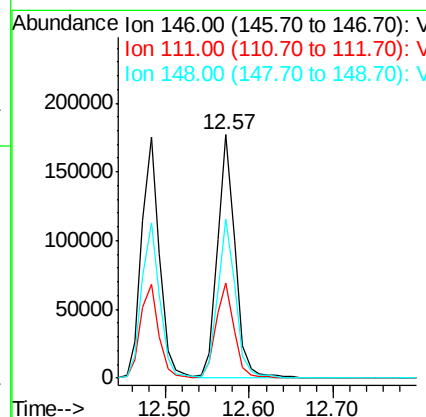
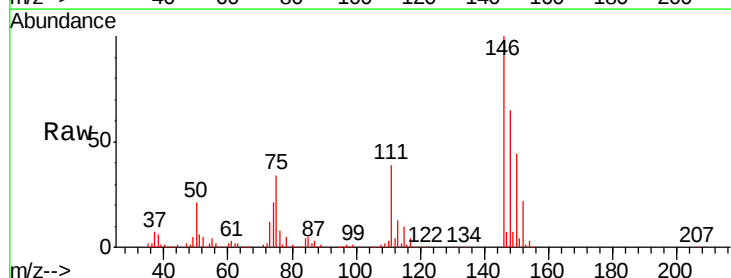
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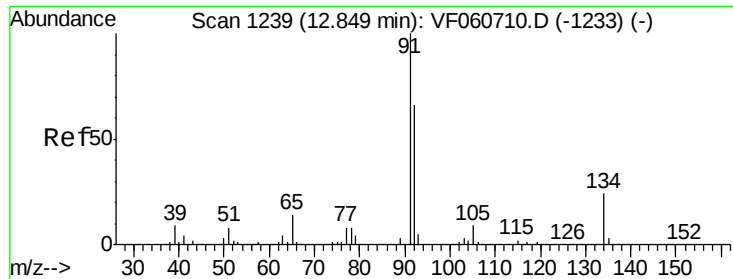
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#88
 1,4-Dichlorobenzene
 Concen: 50.67 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: VF060802.D
 Acq: 20 Nov 2018 13:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.6	61.9
148	65.2	34.7	104.1





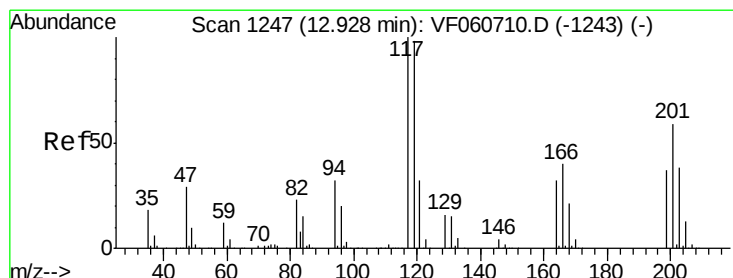
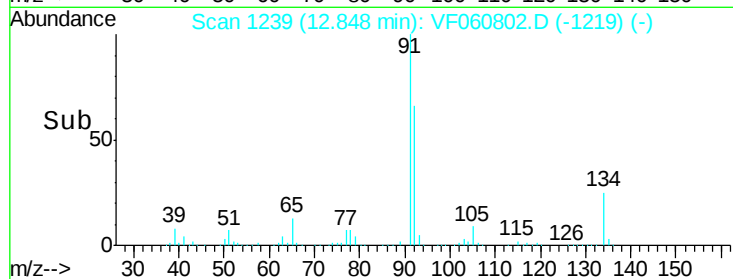
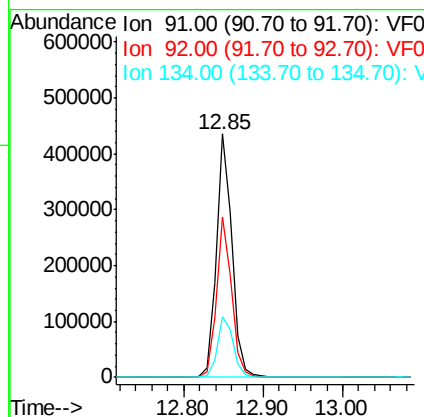
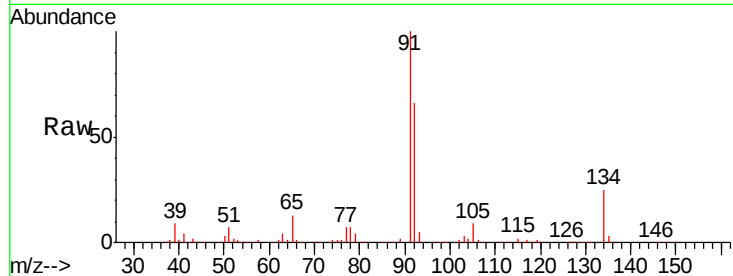
#89
n-Butylbenzene
Concen: 48.20 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VF060802.D
Acq: 20 Nov 2018 13:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
91	100		
92	66.1	33.1	99.2
134	24.9	11.9	35.9

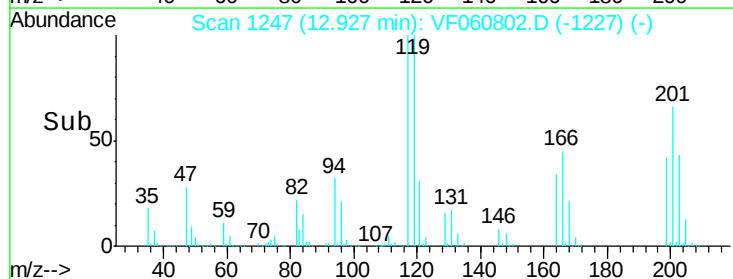
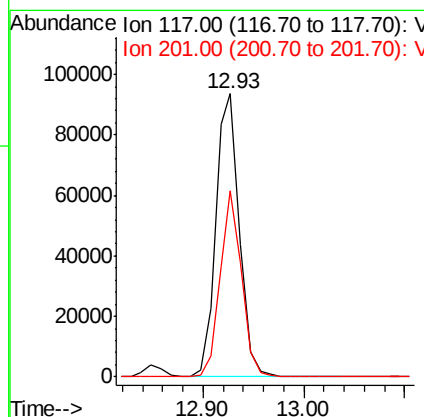
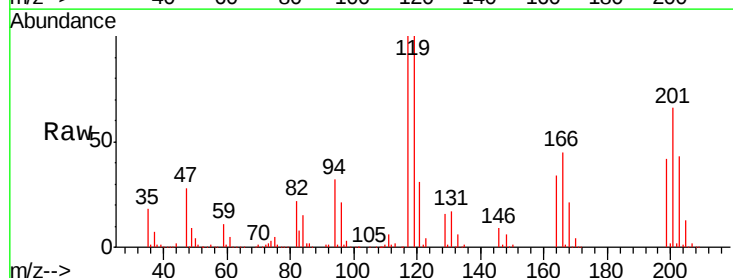
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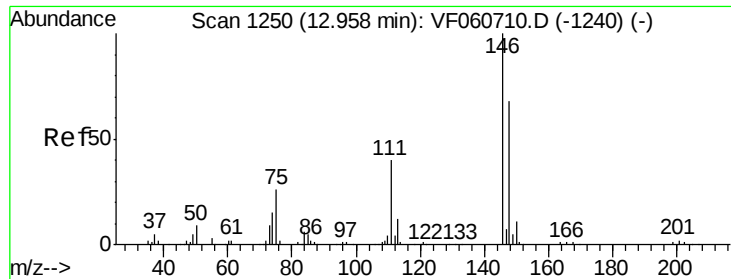
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#90
Hexachloroethane
Concen: 50.97 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. -0.00 min
Lab File: VF060802.D
Acq: 20 Nov 2018 13:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.6	29.4	88.3





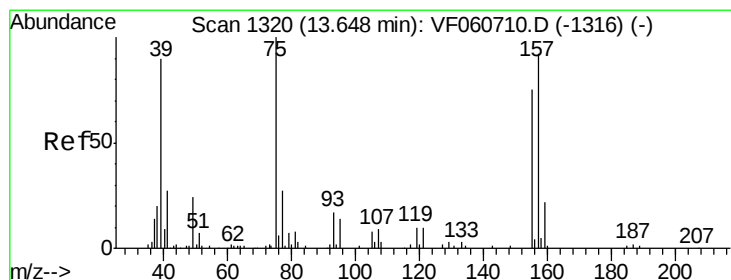
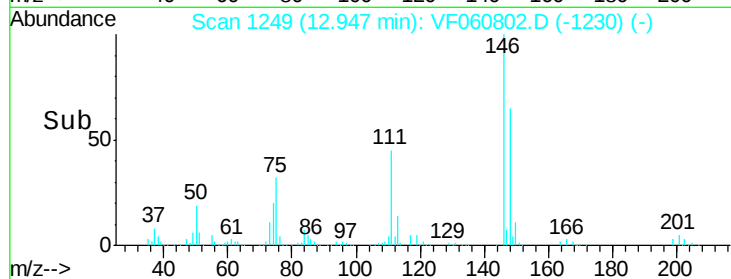
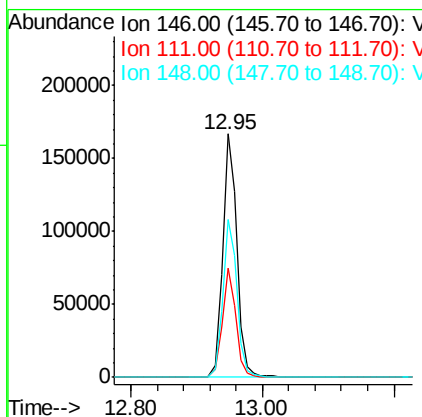
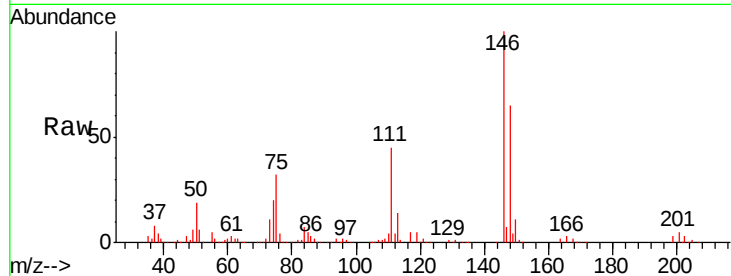
#91
 1,2-Dichlorobenzene
 Concen: 50.06 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: VF060802.D
 Acq: 20 Nov 2018 13:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.7	20.3	60.8
148	64.9	34.1	102.3

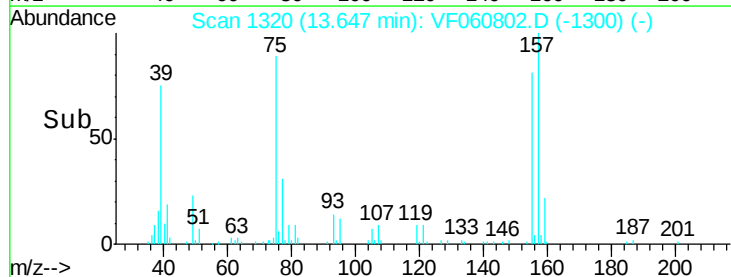
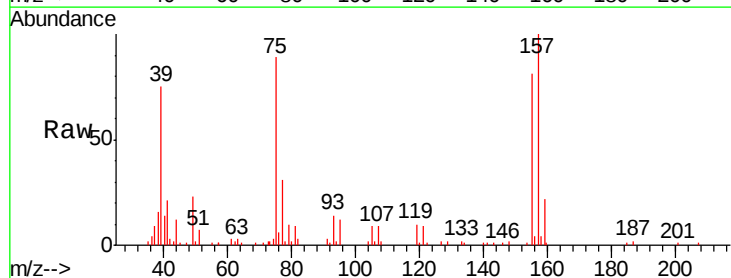
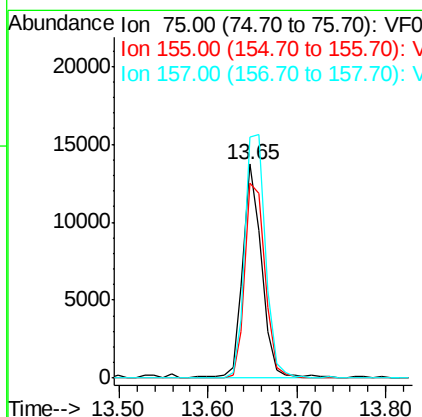
Manual Integrations
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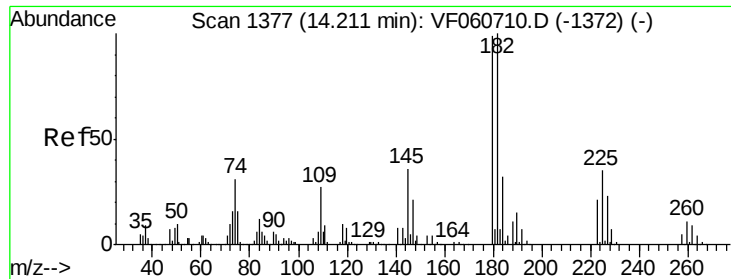
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.59 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VF060802.D
 Acq: 20 Nov 2018 13:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.0	37.4	112.2
157	112.9	46.0	138.0





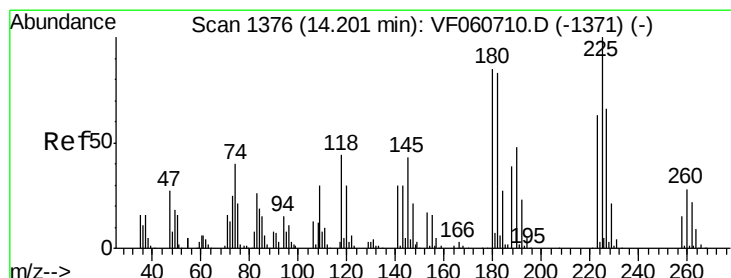
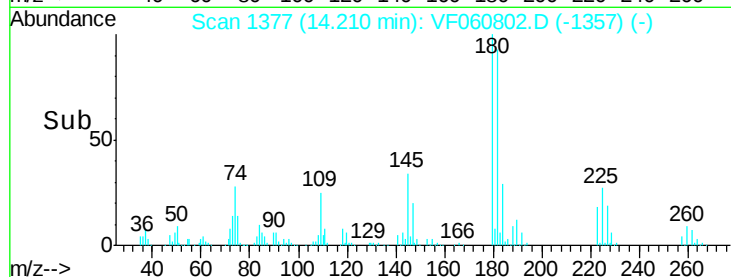
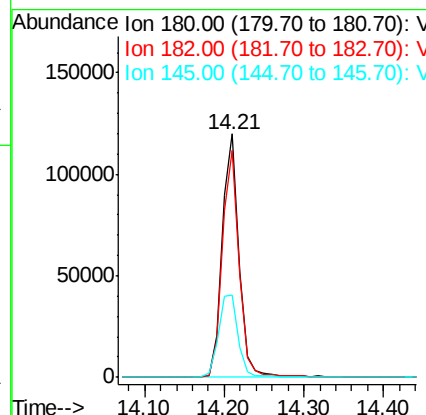
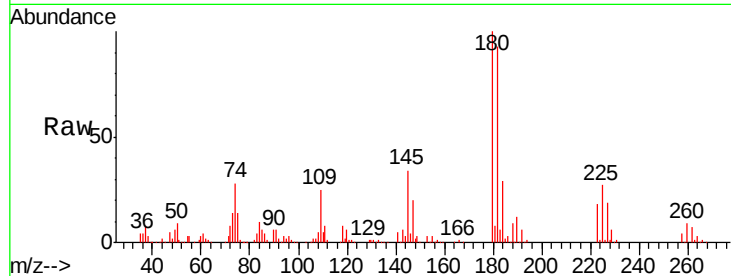
#93
 1,2,4-Trichlorobenzene
 Concen: 50.08 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VF060802.D
 Acq: 20 Nov 2018 13:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	180250		
182	93.1	50.3	151.0	
145	33.8	18.3	54.9	

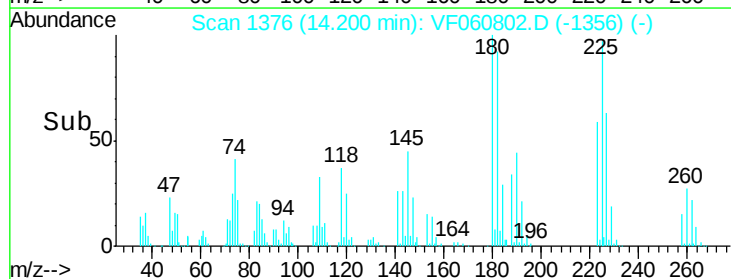
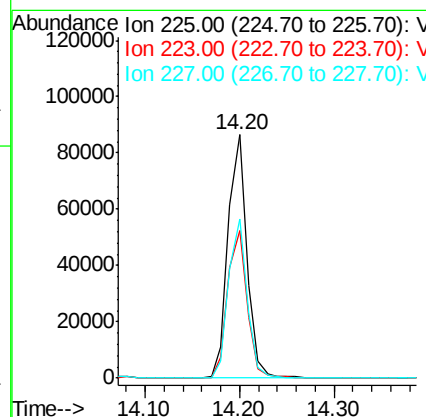
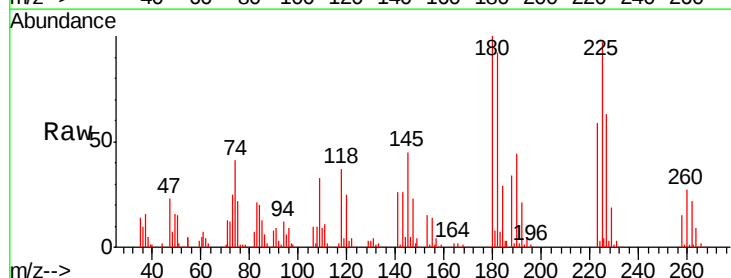
Manual Integrations
 APPROVED

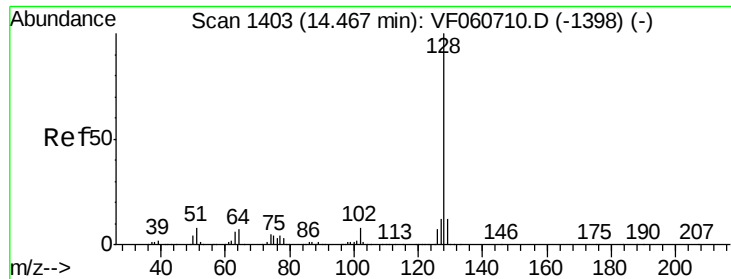
apatel
 11/21/2018 2:00:59 PM



#94
 Hexachlorobutadiene
 Concen: 51.03 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VF060802.D
 Acq: 20 Nov 2018 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	120039		
223	60.9	31.5	94.5	
227	65.3	33.0	99.0	





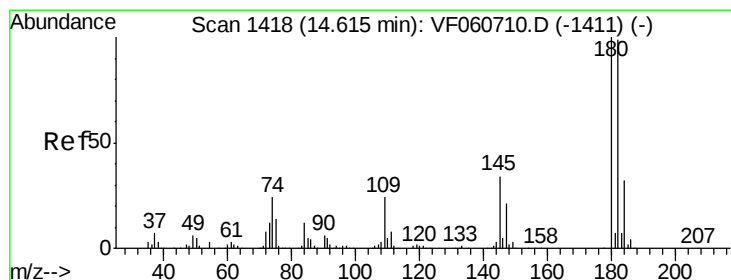
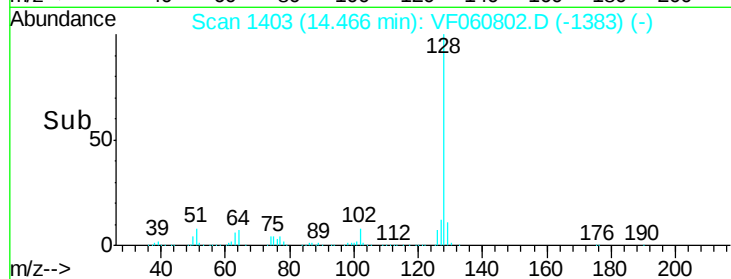
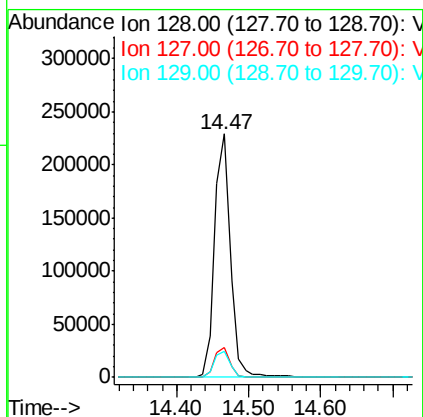
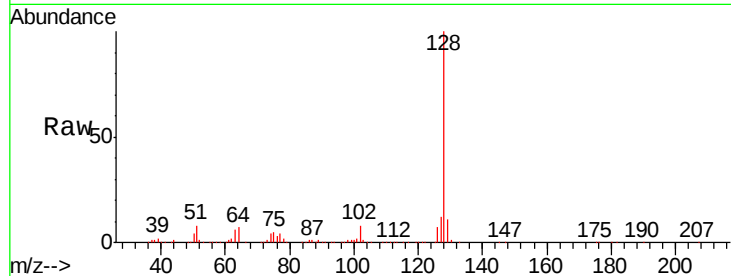
#95
Naphthalene
Concen: 52.48 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. -0.00 min
Lab File: VF060802.D
Acq: 20 Nov 2018 13:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.8	14.6
129	10.8	9.3	13.9

Manual Integrations
APPROVED

apatel
11/21/2018 2:00:59 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.84 ug/l
RT: 14.61 min Scan# 1418
Delta R.T. -0.00 min
Lab File: VF060802.D
Acq: 20 Nov 2018 13:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	49.6	149.0
145	32.1	16.9	50.7

