

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120318\
 Data File : VF060909.D
 Acq On : 4 Dec 2018 00:07
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
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 12/4/2018 2:52:41 PM

Quant Time: Dec 04 04:24:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	178638	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.62	114	286251	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.79	117	272936	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	135138	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	124312	59.07	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	118.14%	
35) Dibromofluoromethane	4.14	113	123247	54.27	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	108.54%	
50) Toluene-d8	7.57	98	363736	54.37	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	108.74%	
62) 4-Bromofluorobenzene	11.43	95	160927	52.93	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	105.86%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	123770	46.338	ug/l	100
3) Chloromethane	1.10	50	76447	43.984	ug/l	96
4) Vinyl Chloride	1.14	62	75709	46.698	ug/l	99
5) Bromomethane	1.33	94	56274	49.225	ug/l	97
6) Chloroethane	1.41	64	37361	53.311	ug/l	92
7) Trichlorofluoromethane	1.49	101	180227m	51.812	ug/l	
8) Diethyl Ether	1.64	74	24603	49.186	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.85	101	87561	49.792	ug/l	97
10) Methyl Iodide	1.93	142	129712m	48.527	ug/l	
11) Tert butyl alcohol	2.58	59	22493	260.743	ug/l	97
12) 1,1-Dichloroethene	1.81	96	68388	48.349	ug/l	92
13) Acrolein	2.01	56	13688	167.471	ug/l	99
14) Allyl chloride	2.11	41	76712	43.512	ug/l	99
15) Acrylonitrile	2.96	53	50817	262.757	ug/l	96
16) Acetone	2.24	43	86411	222.671	ug/l	95
17) Carbon Disulfide	1.84	76	172819m	45.568	ug/l	
18) Methyl Acetate	2.35	43	35361	54.461	ug/l	99
19) Methyl tert-butyl Ether	2.44	73	162288	50.941	ug/l	99
20) Methylene Chloride	2.27	84	63860m	44.857	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	60300m	44.219	ug/l	
22) Diisopropyl ether	2.82	45	233039	48.561	ug/l	98
23) Vinyl Acetate	3.20	43	568321	259.079	ug/l	98
24) 1,1-Dichloroethane	2.89	63	141550	49.577	ug/l	99
25) 2-Butanone	4.36	43	163500	243.587	ug/l	100
26) 2,2-Dichloropropane	3.62	77	80988	43.753	ug/l	97
27) cis-1,2-Dichloroethene	3.49	96	103191	46.481	ug/l	98
28) Bromochloromethane	3.73	49	68998	50.354	ug/l	93
29) Tetrahydrofuran	4.09	42	73022	256.650	ug/l	97
30) Chloroform	3.88	83	214332	48.776	ug/l	100
31) Cyclohexane	3.70	56	137778m	46.498	ug/l	
32) 1,1,1-Trichloroethane	4.11	97	128955	42.315	ug/l	99
36) 1,1-Dichloropropene	4.31	75	163371	51.455	ug/l	97
37) Ethyl Acetate	4.13	43	66773	51.752	ug/l #	91
38) Carbon Tetrachloride	4.01	117	127860	45.594	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	144224	43.345	ug/l	95
40) Benzene	4.65	78	332161	47.355	ug/l	99
41) Methacrylonitrile	4.77	41	38668	58.548	ug/l	89
42) 1,2-Dichloroethane	4.96	62	135013	52.724	ug/l	96
43) Isopropyl Acetate	6.98	43	80189	50.394	ug/l #	95
44) Trichloroethene	5.53	130	107205	46.745	ug/l	94
45) 1,2-Dichloropropane	6.26	63	93368	51.253	ug/l	99
46) Dibromomethane	6.10	93	65831	53.271	ug/l	96
47) Bromodichloromethane	6.41	83	164258	50.045	ug/l	97
48) Methyl methacrylate	6.73	41	60937	52.177	ug/l	93
49) 1,4-Dioxane	6.72	88	9434	1103.725	ug/l #	79
51) 4-Methyl-2-Pentanone	8.28	43	306076	257.249	ug/l	98
52) Toluene	7.64	92	223707	45.405	ug/l	98
53) t-1,3-Dichloropropene	8.30	75	132904	49.781	ug/l	96
54) cis-1,3-Dichloropropene	7.32	75	159280	48.192	ug/l	97
55) 1,1,2-Trichloroethane	8.51	97	71016	49.467	ug/l	97
56) Ethyl methacrylate	8.64	69	76478	47.954	ug/l	98
57) 1,3-Dichloropropane	8.87	76	132384	52.707	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.32	63	44824	274.782	ug/l	98
59) 2-Hexanone	9.51	43	214534	257.013	ug/l	98
60) Dibromochloromethane	8.74	129	105290	49.223	ug/l	100
61) 1,2-Dibromoethane	9.00	107	76647	49.421	ug/l	99
64) Tetrachloroethene	8.17	164	103188	49.498	ug/l	97
65) Chlorobenzene	9.82	112	258327	48.652	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.95	131	105174	46.076	ug/l	93
67) Ethyl Benzene	9.92	91	455566	46.087	ug/l	100
68) m/p-Xylenes	10.16	106	331739	93.310	ug/l	98
69) o-Xylene	10.73	106	194199	49.536	ug/l	88
70) Styrene	10.81	104	250215	46.042	ug/l	99
71) Bromoform	10.79	173	55782	50.593	ug/l #	91
73) Isopropylbenzene	11.14	105	565991	52.999	ug/l	98
74) N-amyl acetate	11.39	43	131209	53.207	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.71	83	98583	56.090	ug/l	99
76) 1,2,3-Trichloropropane	11.81	75	70711	55.350	ug/l	97
77) Bromobenzene	11.51	156	115328	49.258	ug/l	80
78) n-propylbenzene	11.61	91	615499	49.215	ug/l	100
79) 2-Chlorotoluene	11.73	91	374059	52.163	ug/l	100
80) 1,3,5-Trimethylbenzene	11.84	105	441459	50.920	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.88	75	29604m	47.295	ug/l	
82) 4-Chlorotoluene	11.91	91	365435	48.424	ug/l	100
83) tert-Butylbenzene	12.15	119	454018	51.411	ug/l	97
84) 1,2,4-Trimethylbenzene	12.22	105	431728	49.896	ug/l	99
85) sec-Butylbenzene	12.32	105	608446	50.329	ug/l	99
86) p-Isopropyltoluene	12.47	119	517379	51.046	ug/l	99
87) 1,3-Dichlorobenzene	12.49	146	216478	48.608	ug/l	97
88) 1,4-Dichlorobenzene	12.58	146	215258	49.597	ug/l	98
89) n-Butylbenzene	12.86	91	513184	50.073	ug/l	99
90) Hexachloroethane	12.93	117	127844	52.380	ug/l	95
91) 1,2-Dichlorobenzene	12.96	146	213425	50.605	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.66	75	19602	57.685	ug/l	95

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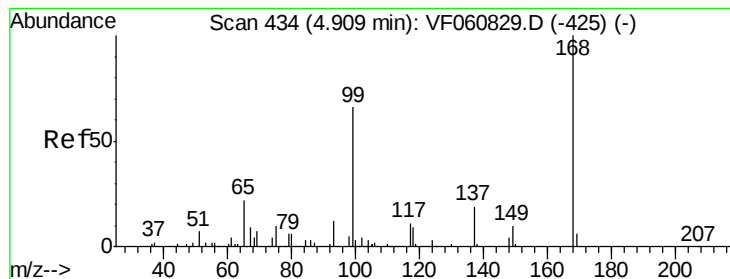
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	157184	53.340	ug/l	99
94) Hexachlorobutadiene	14.20	225	99145	50.470	ug/l	97
95) Naphthalene	14.47	128	305237	53.620	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	149502	54.639	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. -0.02 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 178638

Ion Ratio Lower Upper

168 100

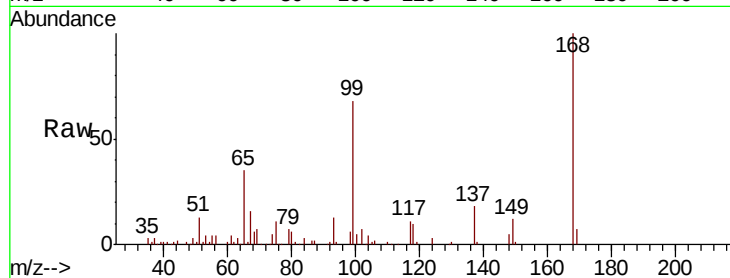
99 68.5 52.6 79.0

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

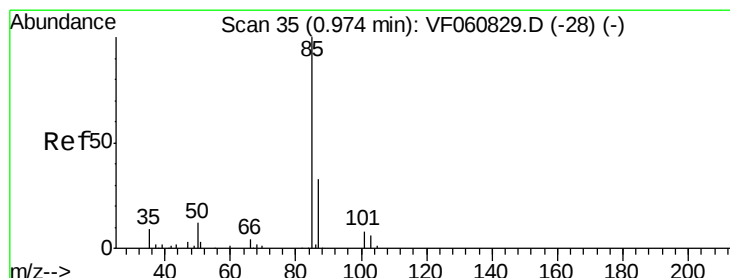
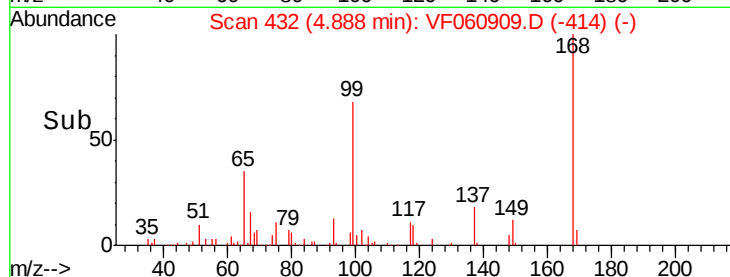
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 46.338 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060909.D

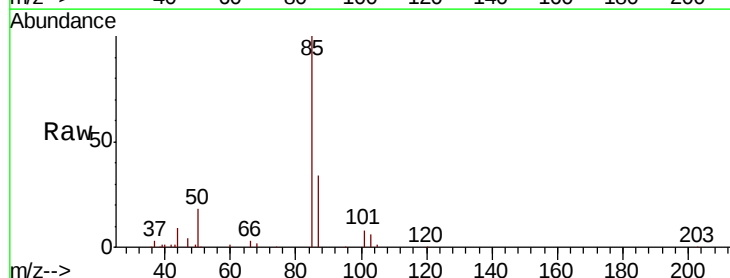
Acq: 4 Dec 2018 00:07

Tgt Ion: 85 Resp: 123770

Ion Ratio Lower Upper

85 100

87 33.5 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

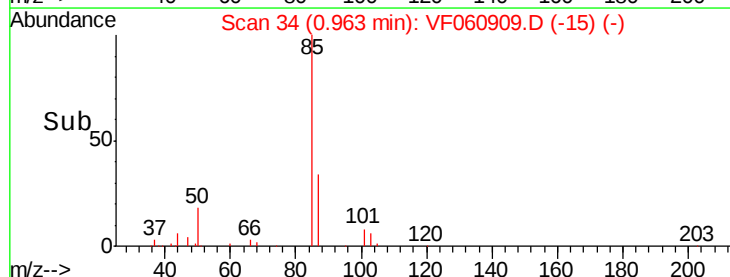
30000

20000

10000

0

Time--> 0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 43.984 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 76447

Ion Ratio Lower Upper

50 100

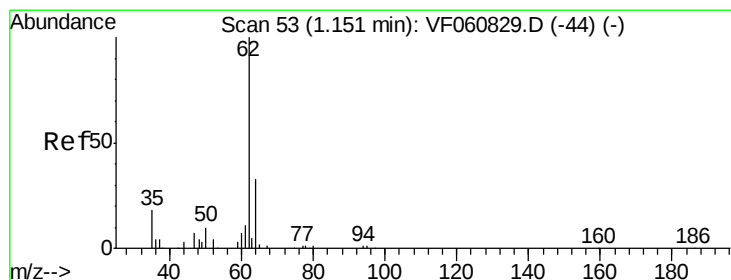
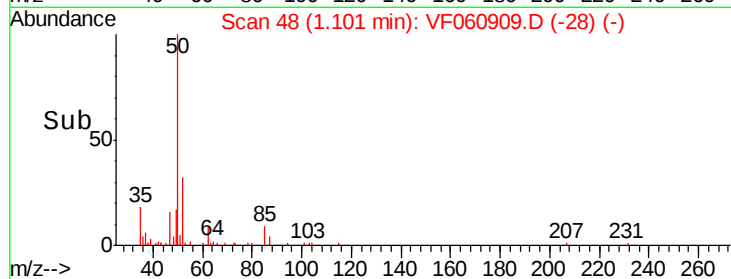
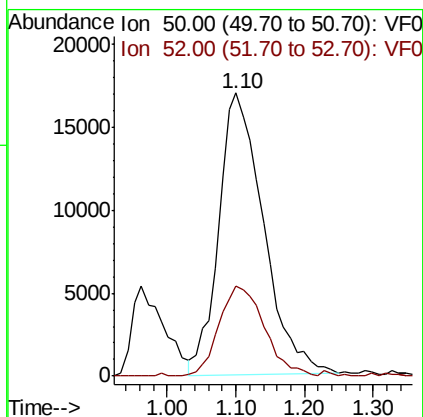
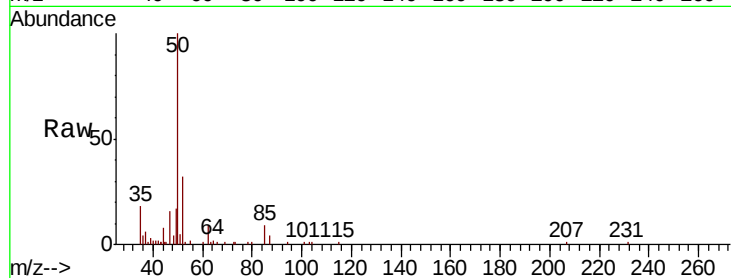
52 31.6 27.0 40.4

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#4

Vinyl Chloride

Concen: 46.698 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF060909.D

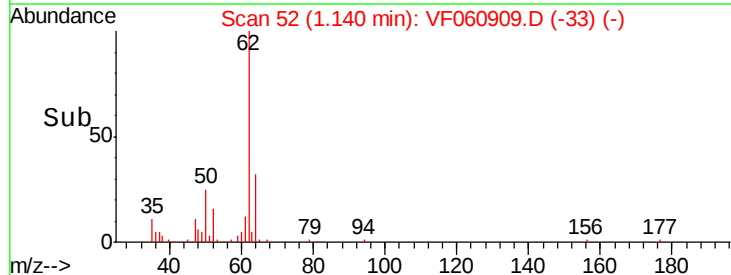
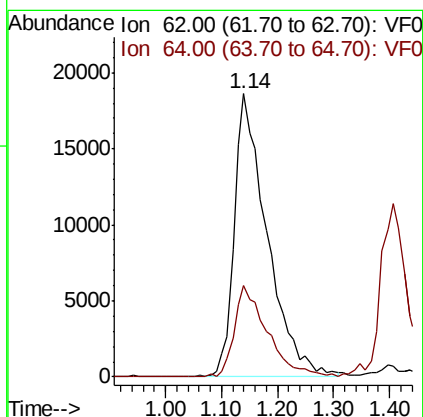
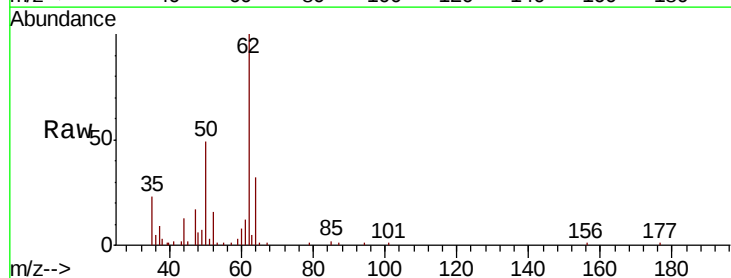
Acq: 4 Dec 2018 00:07

Tgt Ion: 62 Resp: 75709

Ion Ratio Lower Upper

62 100

64 32.3 26.4 39.6





#5

Bromomethane

Concen: 49.225 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 56274

Ion Ratio Lower Upper

94 100

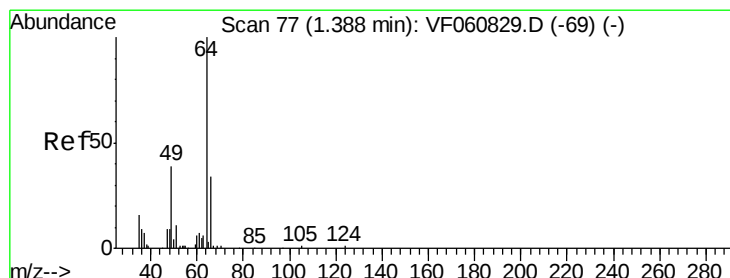
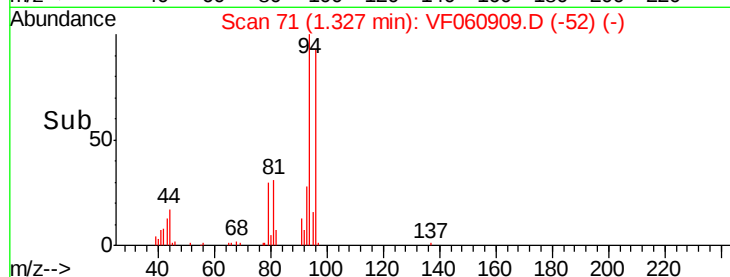
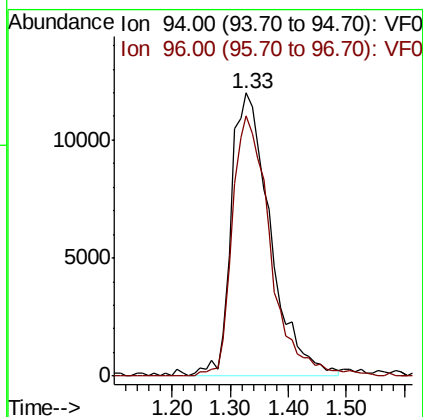
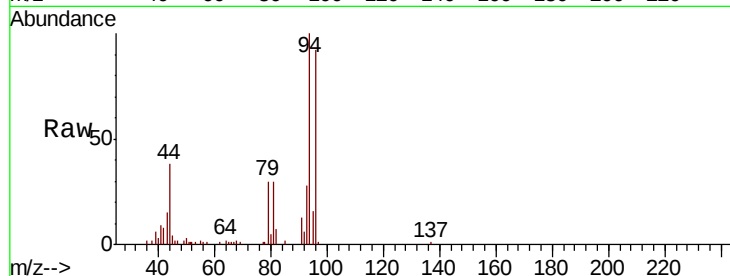
96 92.1 75.9 113.9

Manual Integrations

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#6

Chloroethane

Concen: 53.311 ug/l

RT: 1.41 min Scan# 79

Delta R.T. 0.02 min

Lab File: VF060909.D

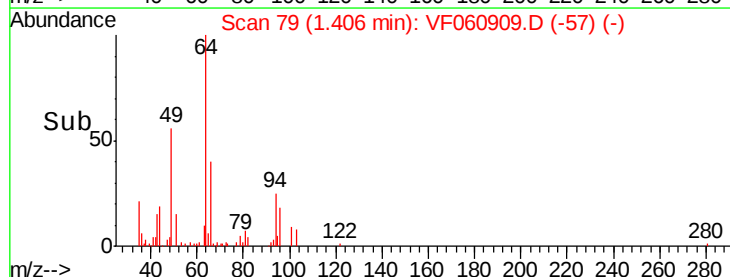
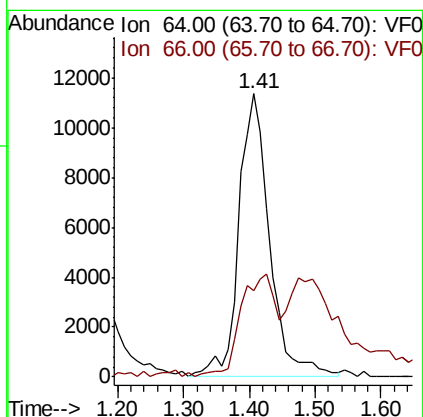
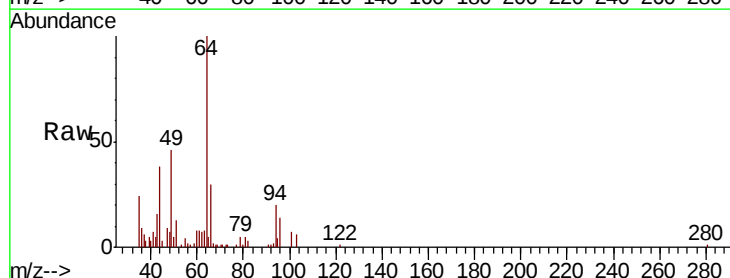
Acq: 4 Dec 2018 00:07

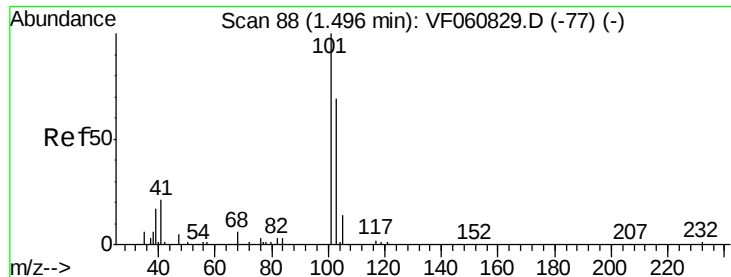
Tgt Ion: 64 Resp: 37361

Ion Ratio Lower Upper

64 100

66 30.4 28.1 42.1





#7

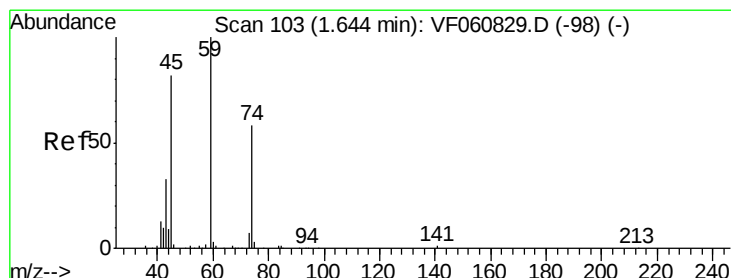
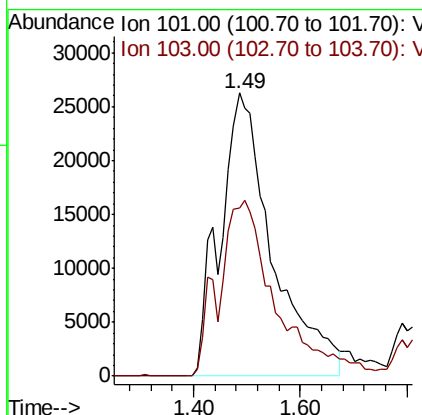
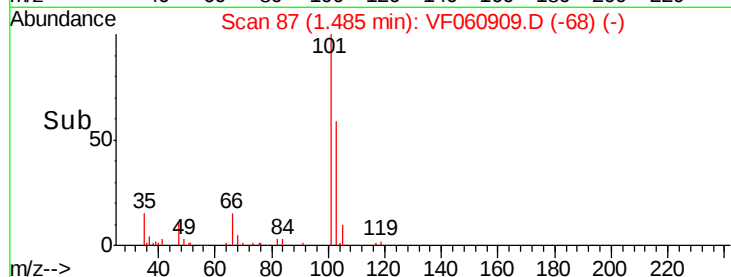
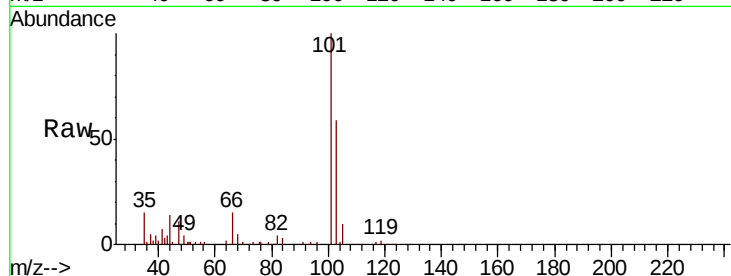
Trichlorofluoromethane
Concen: 51.812 ug/l m
RT: 1.49 min Scan# 87
Delta R.T. -0.01 min
Lab File: VF060909.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	59.4	55.4	83.0

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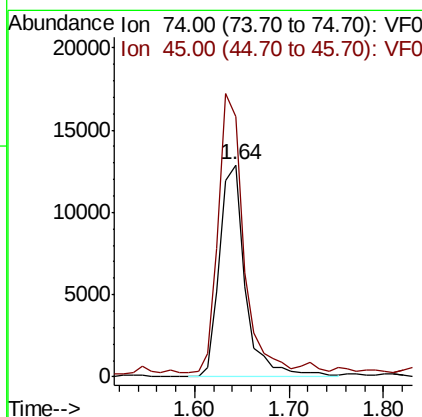
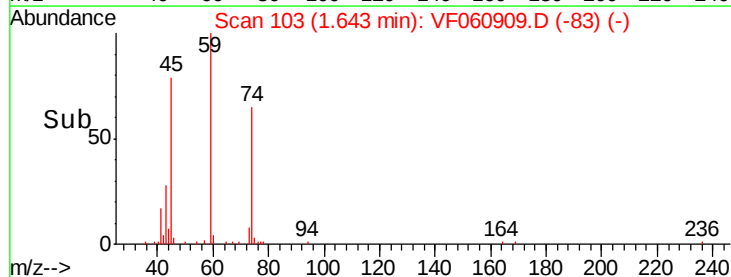
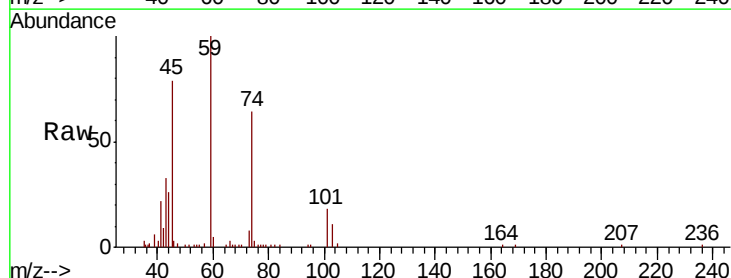
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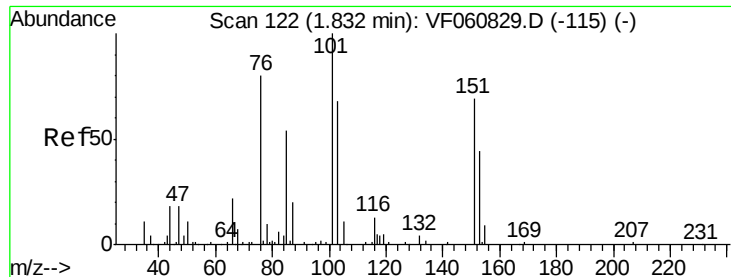


#8

Diethyl Ether
Concen: 49.186 ug/l
RT: 1.64 min Scan# 103
Delta R.T. -0.00 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	123.1	71.0	212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.792 ug/l

RT: 1.85 min Scan# 124

Delta R.T. 0.02 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

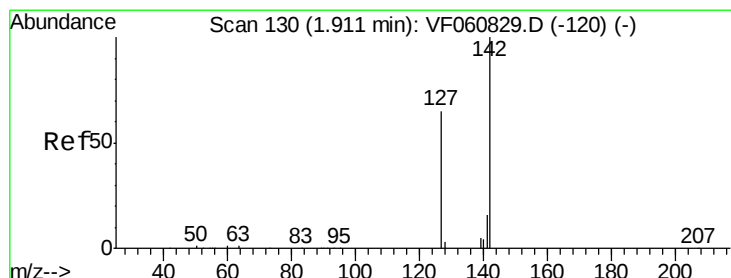
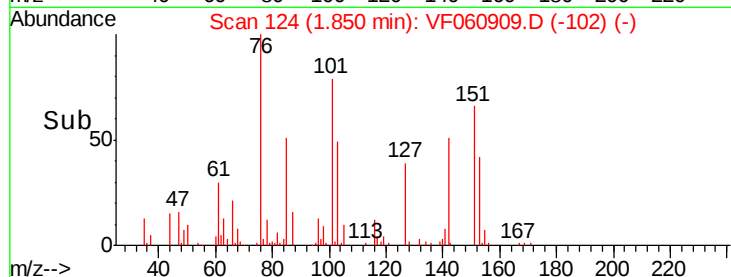
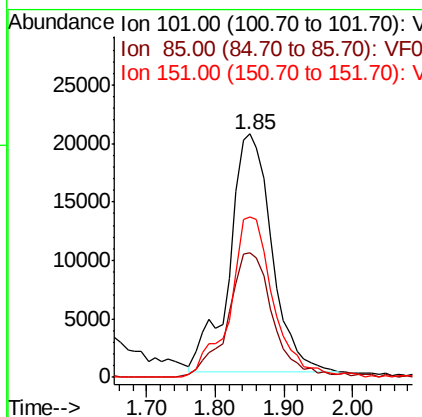
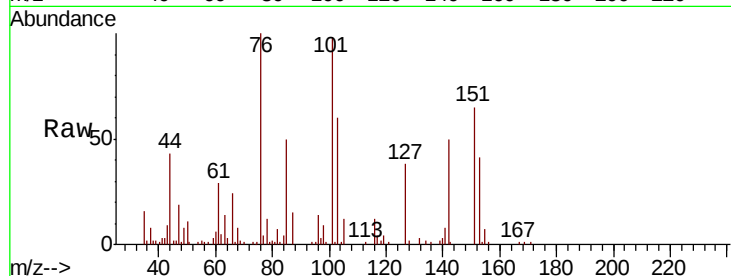
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	87561
Ion Ratio	Lower	Upper	
101	100		
85	51.3	42.8	64.2
151	66.1	54.4	81.6

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#10

Methyl Iodide

Concen: 48.527 ug/l m

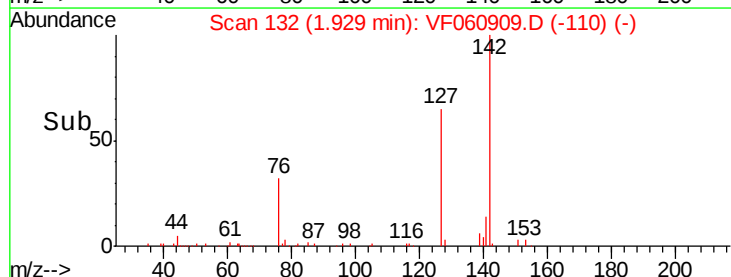
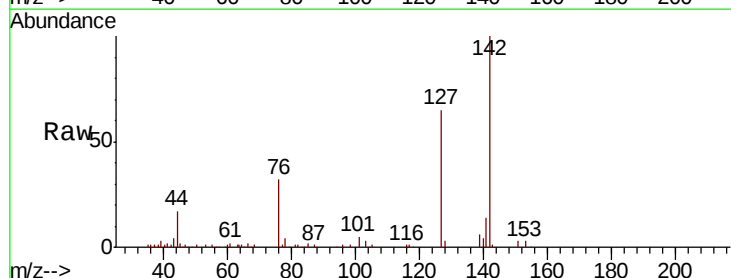
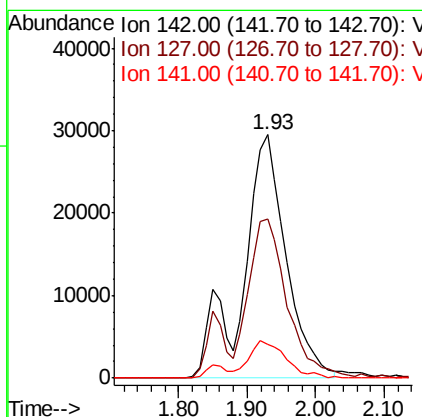
RT: 1.93 min Scan# 132

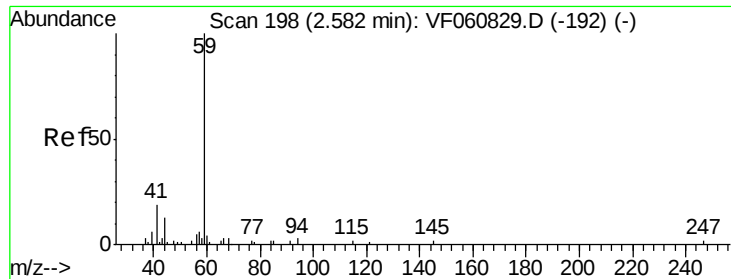
Delta R.T. 0.02 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Tgt Ion:	142	Resp:	129712
Ion Ratio	Lower	Upper	
142	100		
127	65.4	51.9	77.9
141	13.9	12.7	19.1





#11

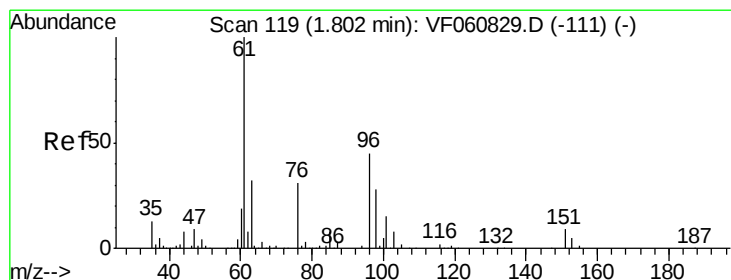
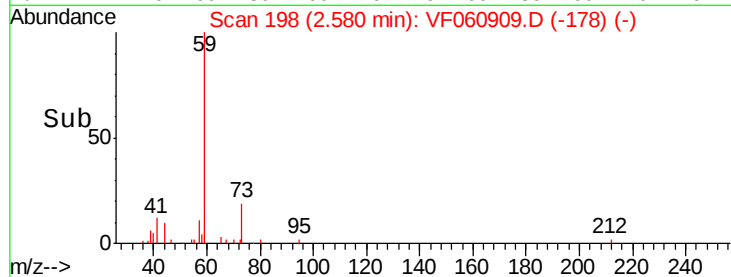
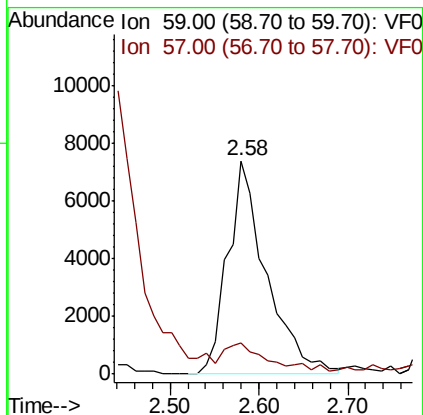
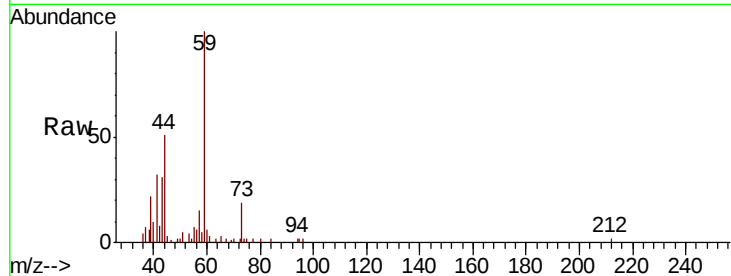
Tert butyl alcohol
Concen: 260.743 ug/l
RT: 2.58 min Scan# 198
Delta R.T. -0.00 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 22493
Ion Ratio Lower Upper
59 100
57 14.5 12.7 19.1

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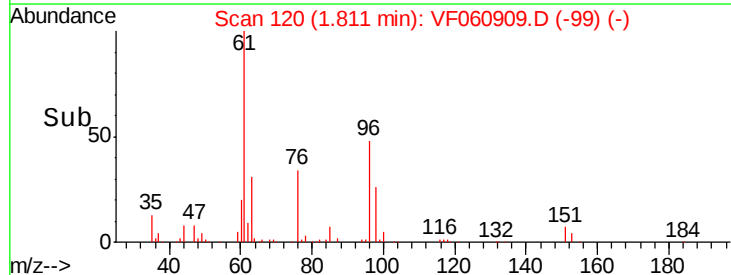
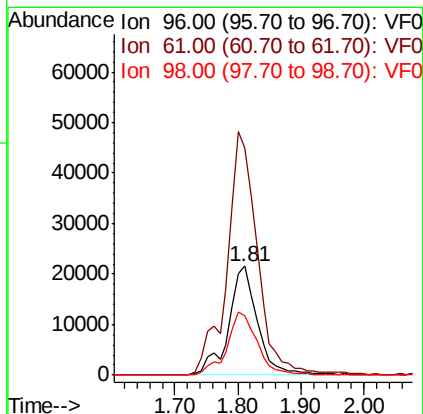
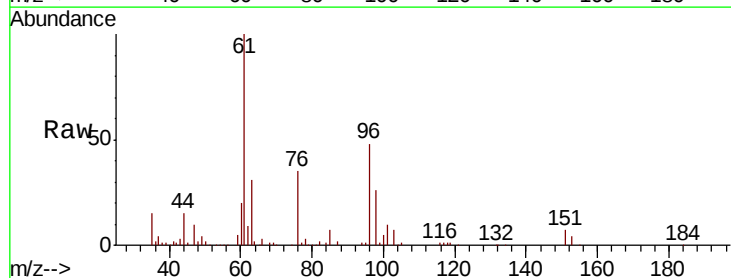
apatel
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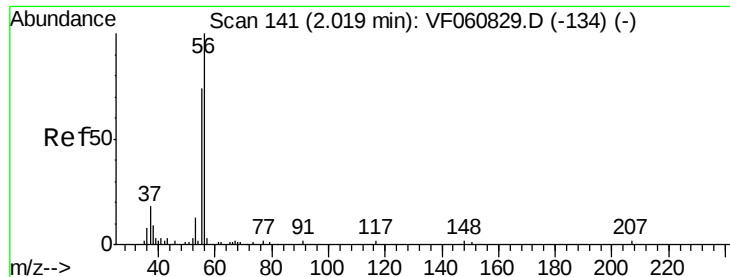


#12

1,1-Dichloroethene
Concen: 48.349 ug/l
RT: 1.81 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Tgt Ion: 96 Resp: 68388
Ion Ratio Lower Upper
96 100
61 208.6 177.3 265.9
98 54.7 49.6 74.4





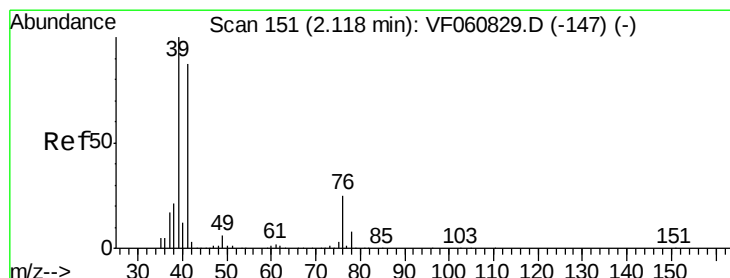
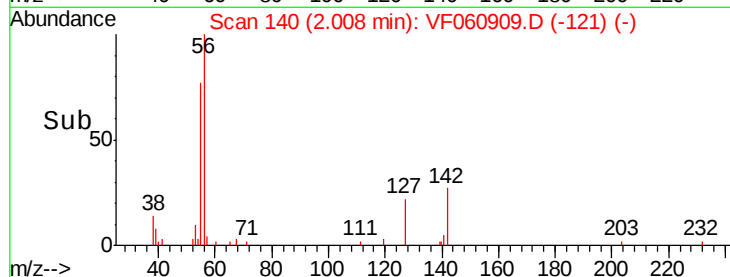
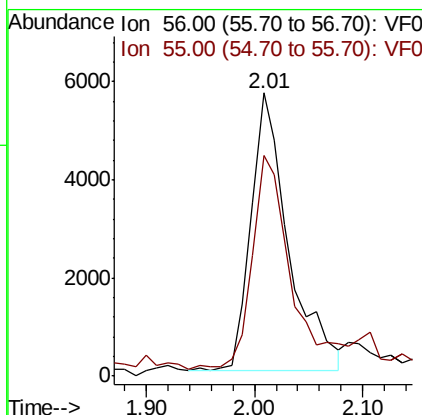
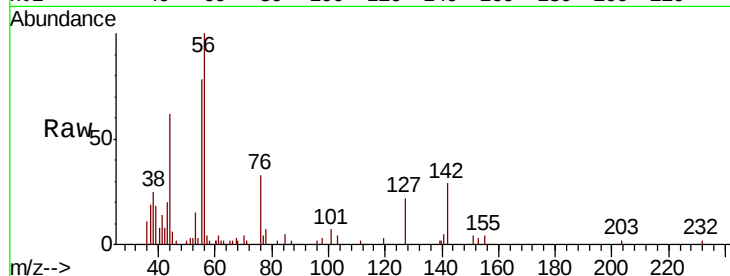
#13
Acrolein
Concen: 167.471 ug/l
RT: 2.01 min Scan# 140
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 13688
Ion Ratio Lower Upper
56 100
55 77.8 61.2 91.8

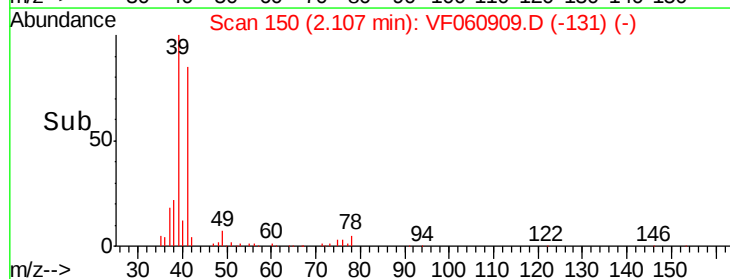
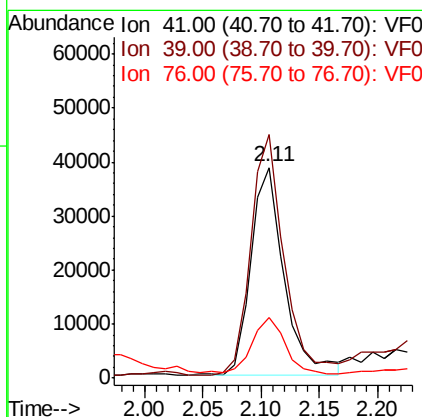
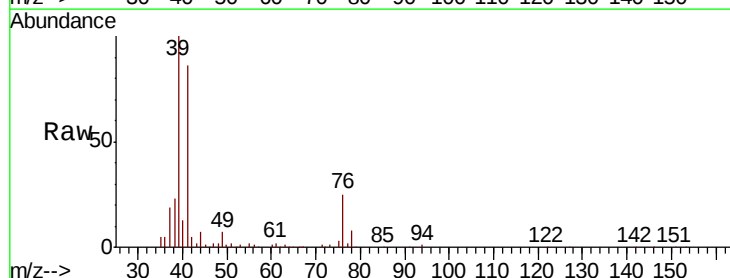
Manual Integrations
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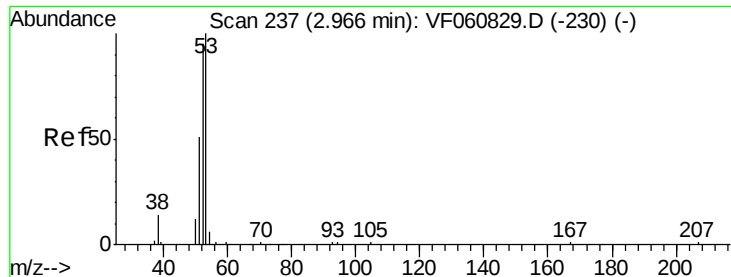
apatel
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#14
Allyl chloride
Concen: 43.512 ug/l
RT: 2.11 min Scan# 150
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Tgt Ion: 41 Resp: 76712
Ion Ratio Lower Upper
41 100
39 115.8 91.7 137.5
76 29.1 23.5 35.3





#15

Acrylonitrile

Concen: 262.757 ug/l

RT: 2.96 min Scan# 236

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

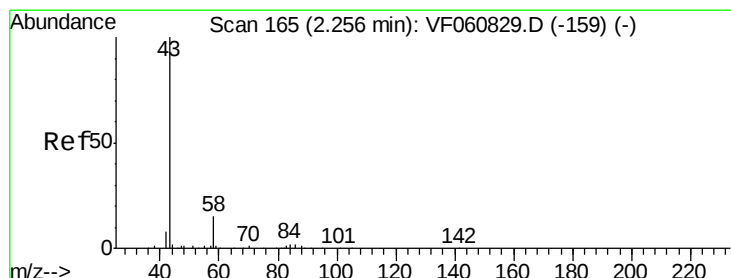
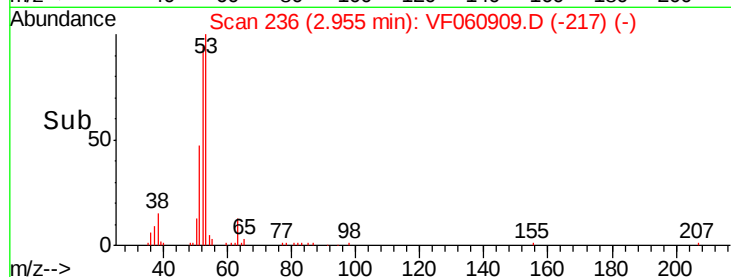
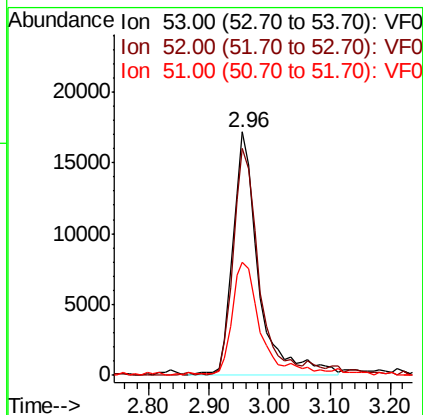
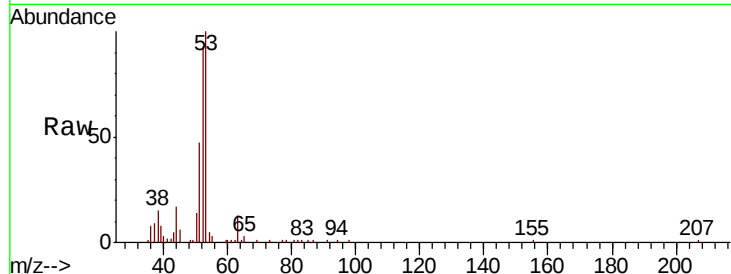
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	50817
Ion Ratio	Lower	Upper	
53	100		
52	93.3	76.5	114.7
51	46.5	40.7	61.1

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#16

Acetone

Concen: 222.671 ug/l

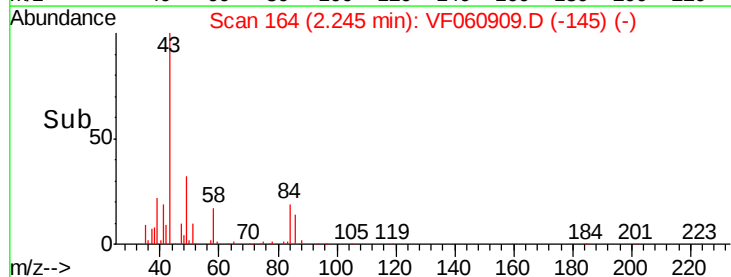
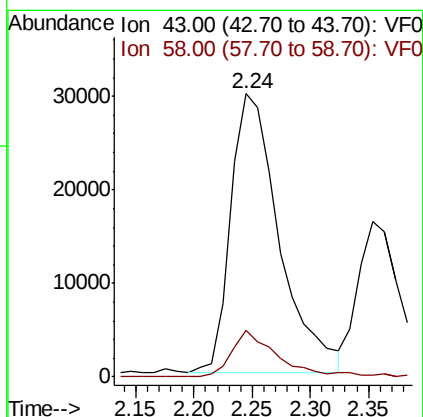
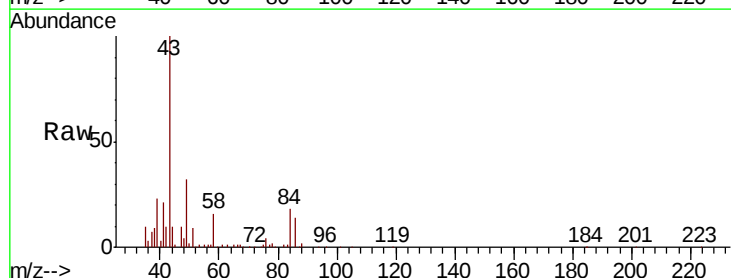
RT: 2.24 min Scan# 164

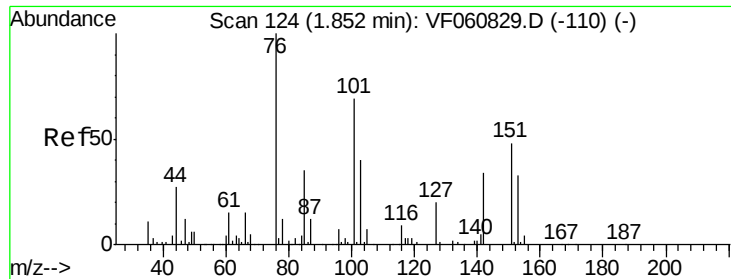
Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Tgt Ion:	43	Resp:	86411
Ion Ratio	Lower	Upper	
43	100		
58	16.5	11.4	17.2





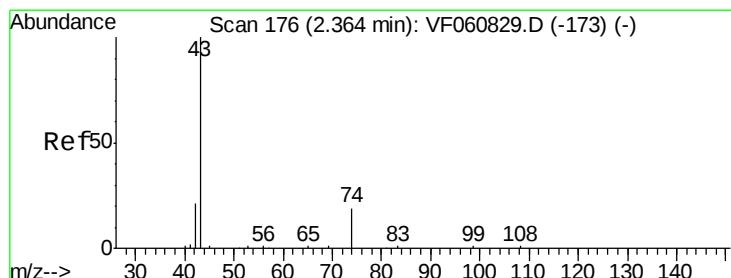
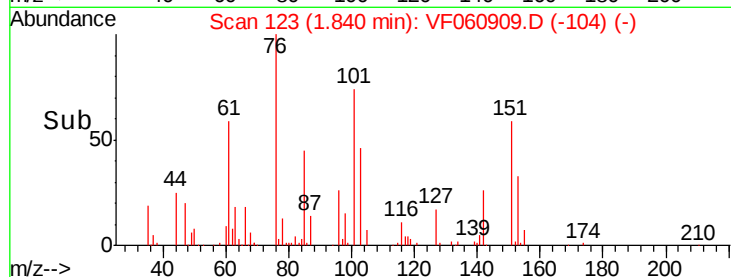
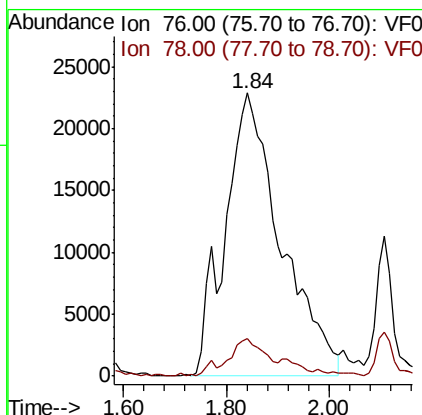
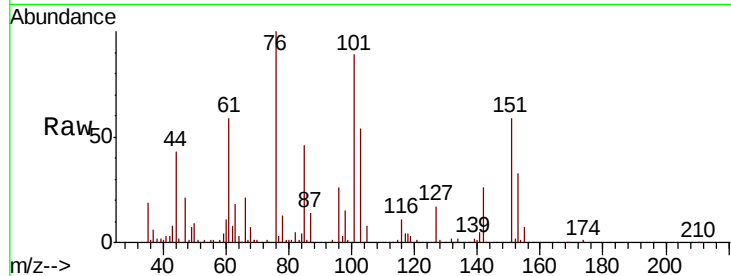
#17
Carbon Disulfide
Concen: 45.568 ug/l m
RT: 1.84 min Scan# 123
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 172819
Ion Ratio Lower Upper
76 100
78 13.2 10.2 15.2

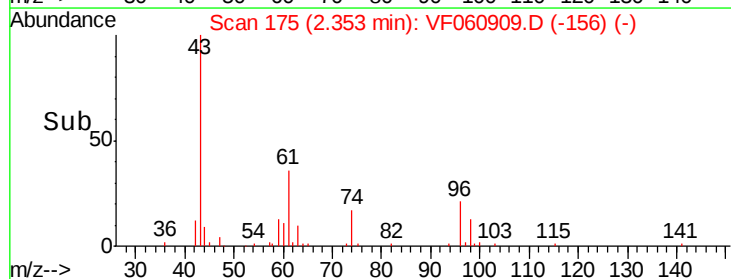
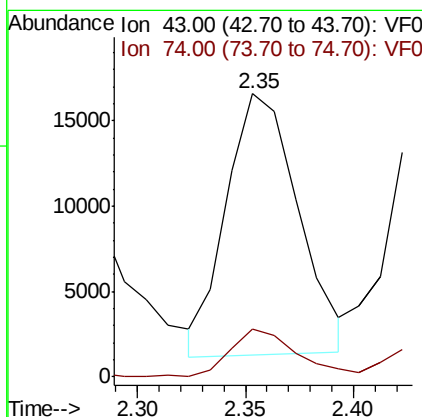
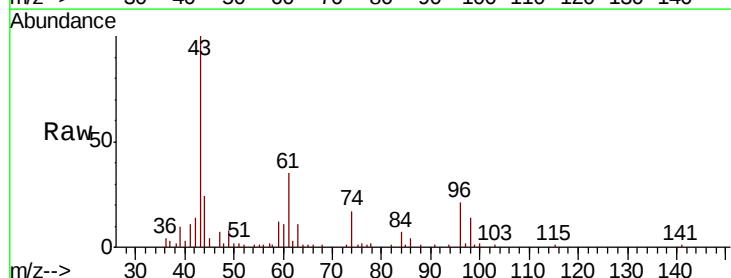
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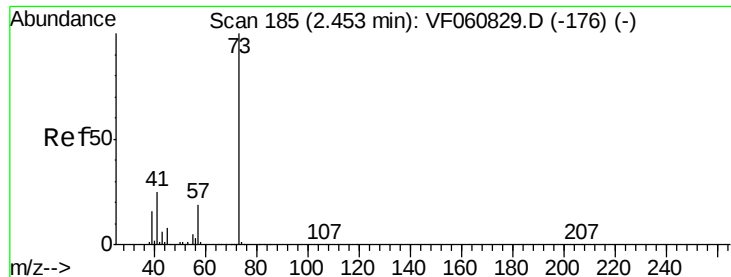
apatel
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#18
Methyl Acetate
Concen: 54.461 ug/l
RT: 2.35 min Scan# 175
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Tgt Ion: 43 Resp: 35361
Ion Ratio Lower Upper
43 100
74 16.9 13.3 19.9





#19

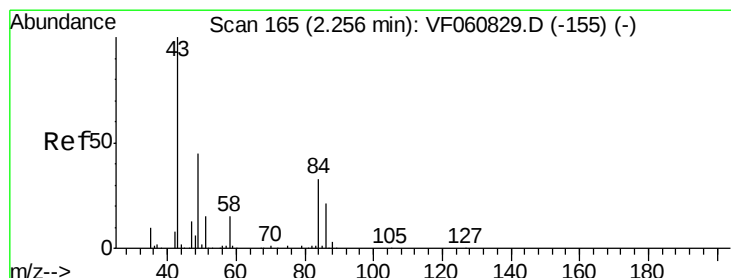
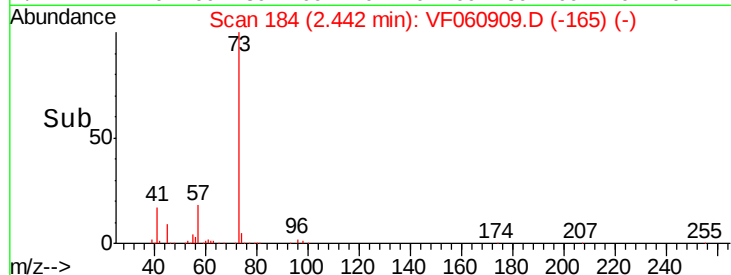
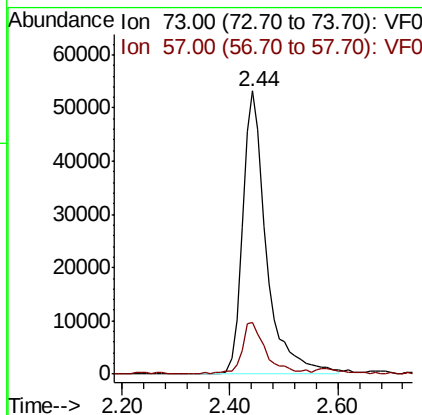
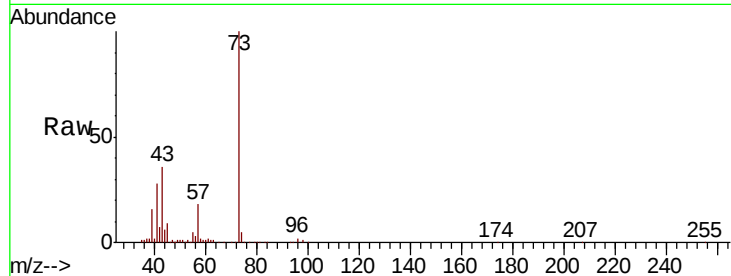
Methyl tert-butyl Ether
 Concen: 50.941 ug/l
 RT: 2.44 min Scan# 184
 Delta R.T. -0.01 min
 Lab File: VF060909.D
 Acq: 4 Dec 2018 00:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.5	15.3	22.9

Manual Integrations
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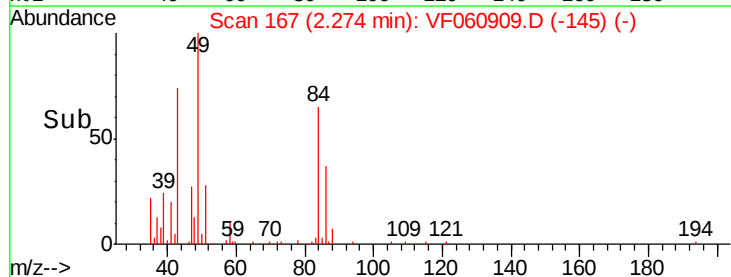
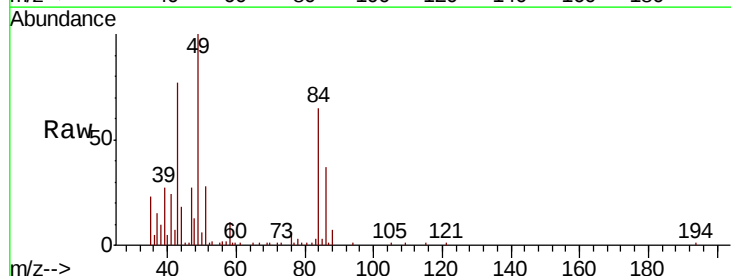
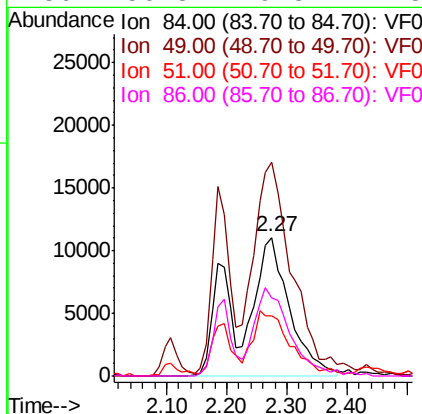
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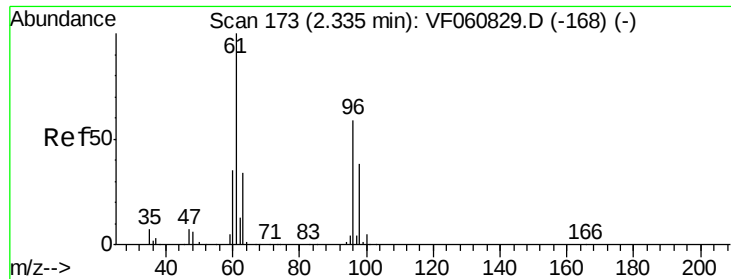


#20

Methylene Chloride
 Concen: 44.857 ug/l m
 RT: 2.27 min Scan# 167
 Delta R.T. 0.02 min
 Lab File: VF060909.D
 Acq: 4 Dec 2018 00:07

Tgt Ion	Ratio	Lower	Upper
84	100		
49	154.4	111.3	166.9
51	43.4	38.0	57.0
86	56.8	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 44.219 ug/l m

RT: 2.32 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

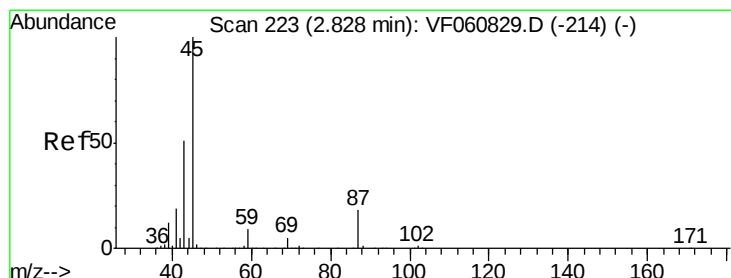
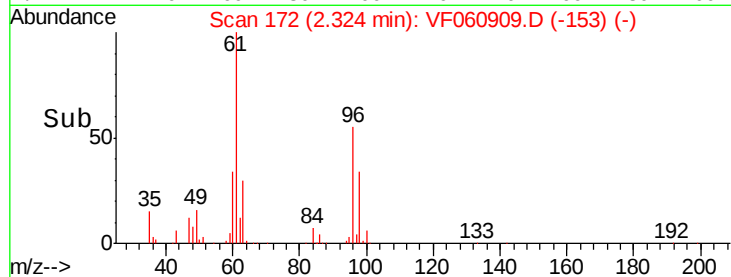
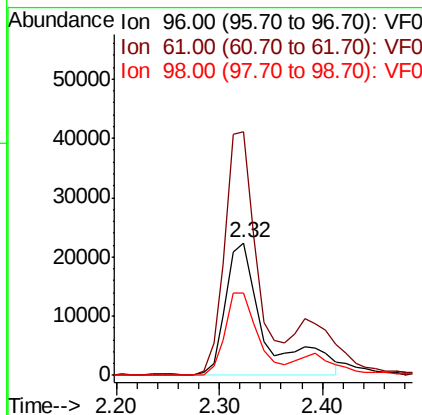
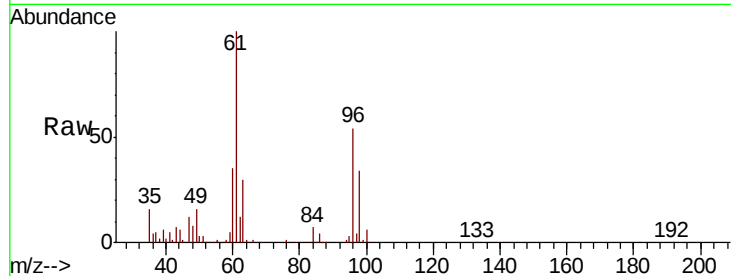
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	60300
Ion	Ratio	Lower	Upper
96	100		
61	184.1	134.5	201.7
98	62.4	51.6	77.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.561 ug/l

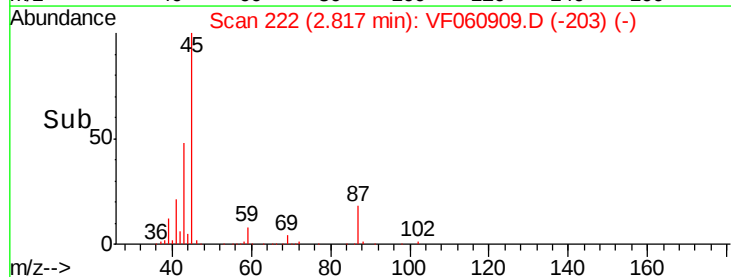
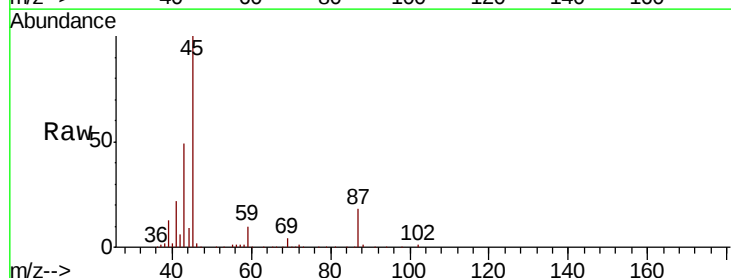
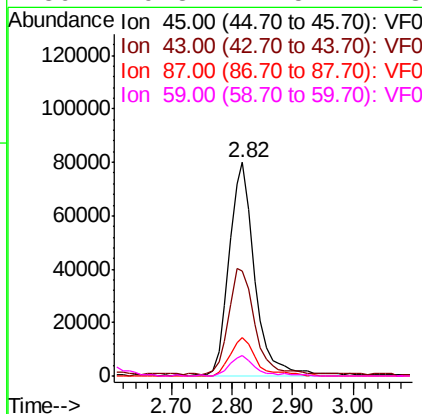
RT: 2.82 min Scan# 222

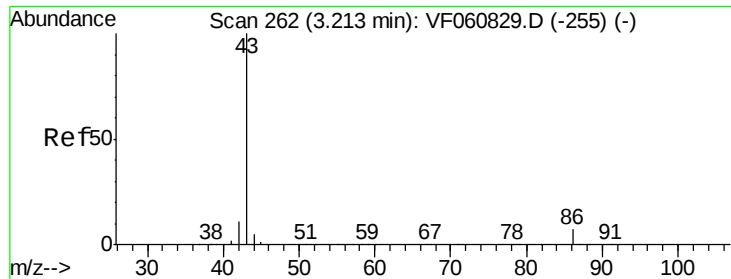
Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Tgt Ion:	45	Resp:	233039
Ion	Ratio	Lower	Upper
45	100		
43	49.4	41.0	61.6
87	18.0	14.6	22.0
59	9.8	7.5	11.3





#23

Vinyl Acetate

Concen: 259.079 ug/l

RT: 3.20 min Scan# 261

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 568321

Ion Ratio Lower Upper

43 100

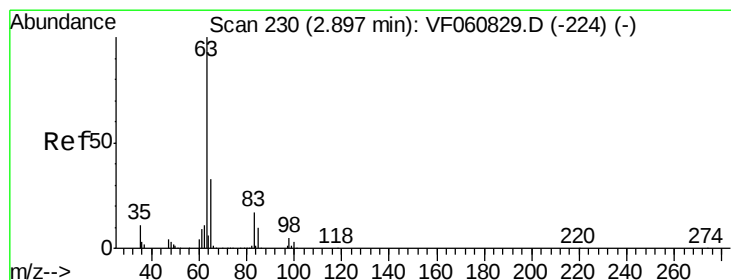
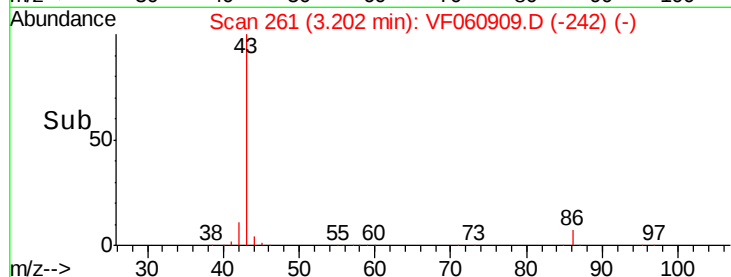
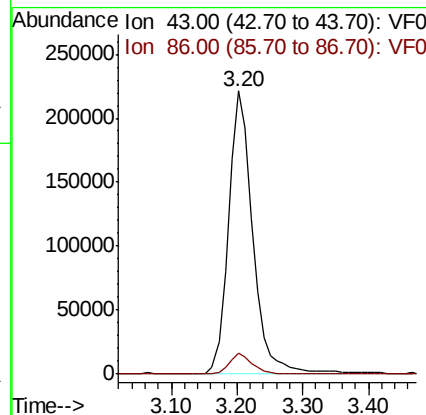
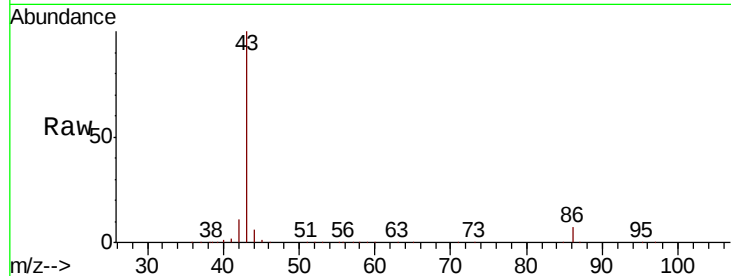
86 7.3 5.4 8.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.577 ug/l

RT: 2.89 min Scan# 229

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

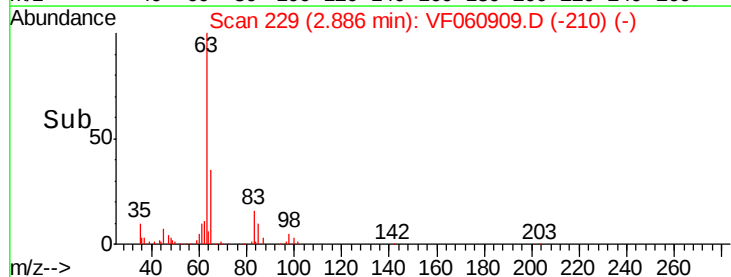
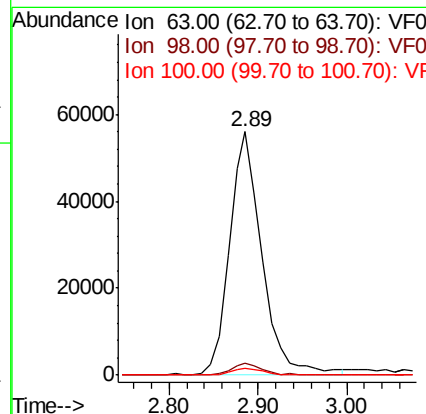
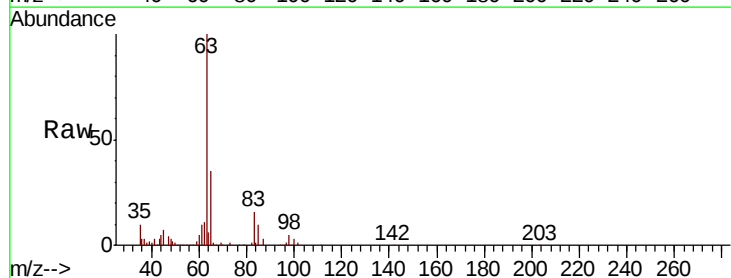
Tgt Ion: 63 Resp: 141550

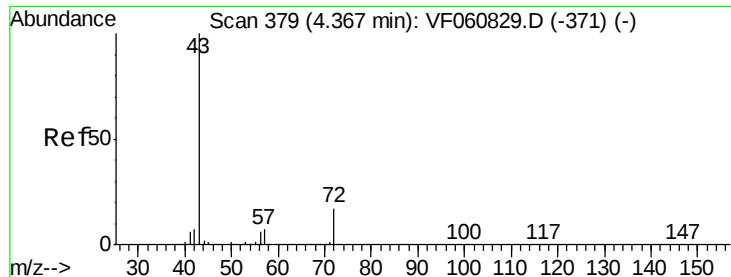
Ion Ratio Lower Upper

63 100

98 4.8 2.7 8.1

100 3.0 1.5 4.5





#25

2-Butanone

Concen: 243.587 ug/l

RT: 4.36 min Scan# 378

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 163500

Ion Ratio Lower Upper

43 100

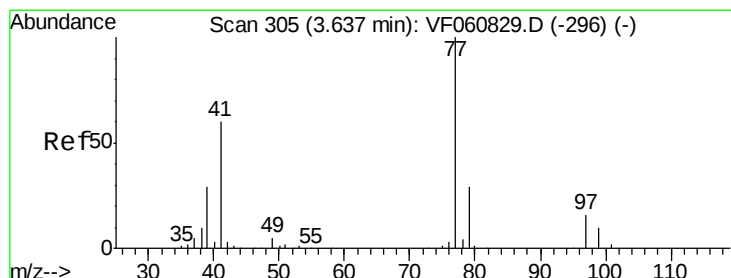
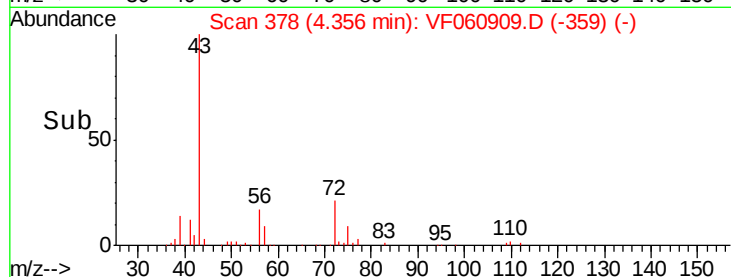
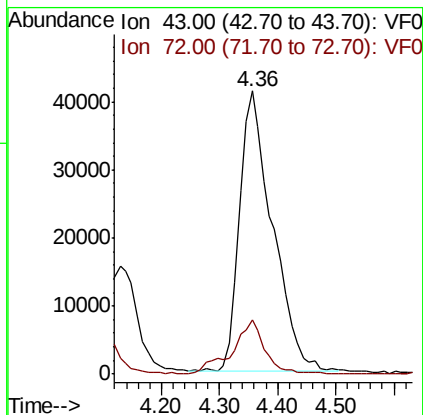
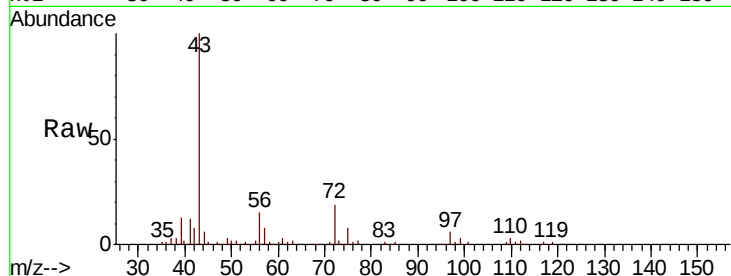
72 19.4 15.4 23.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 43.753 ug/l

RT: 3.62 min Scan# 303

Delta R.T. -0.02 min

Lab File: VF060909.D

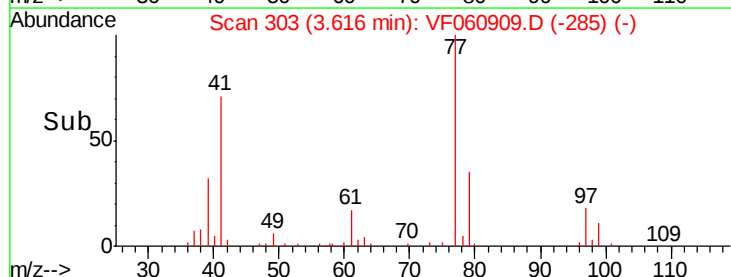
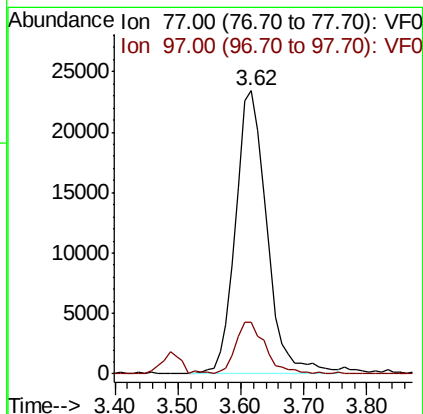
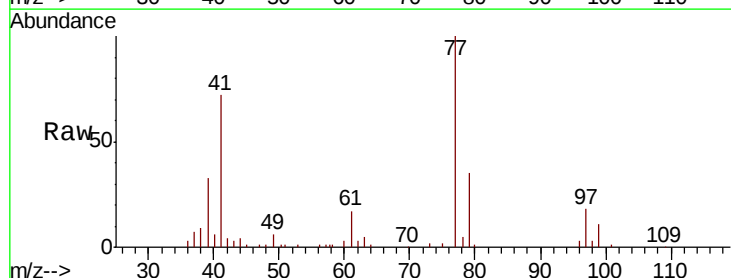
Acq: 4 Dec 2018 00:07

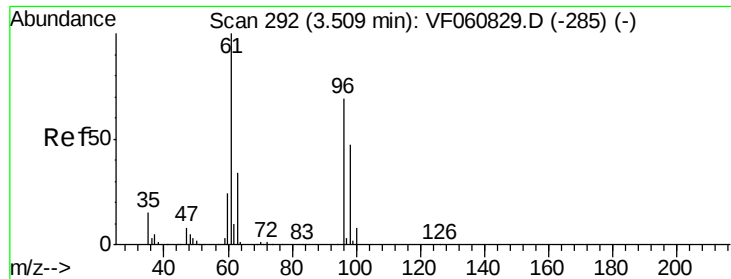
Tgt Ion: 77 Resp: 80988

Ion Ratio Lower Upper

77 100

97 18.4 8.6 25.8





#27

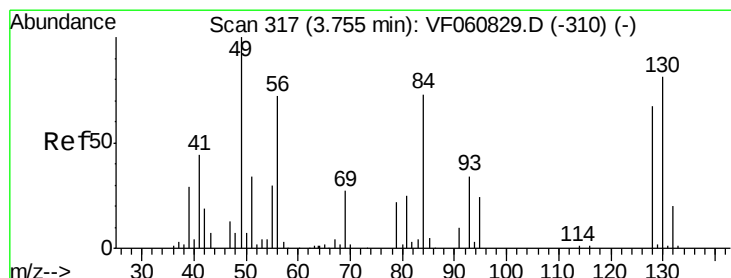
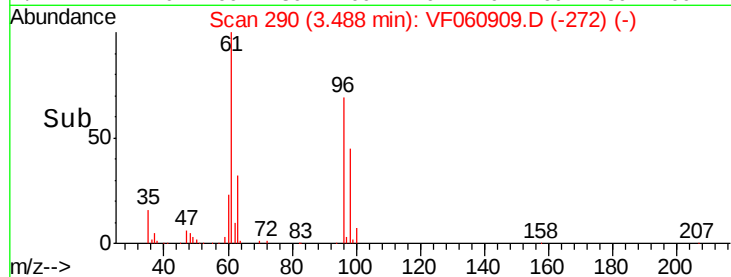
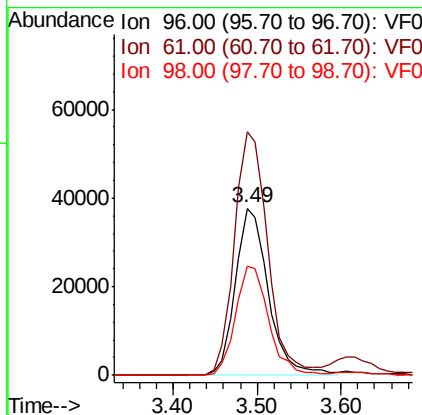
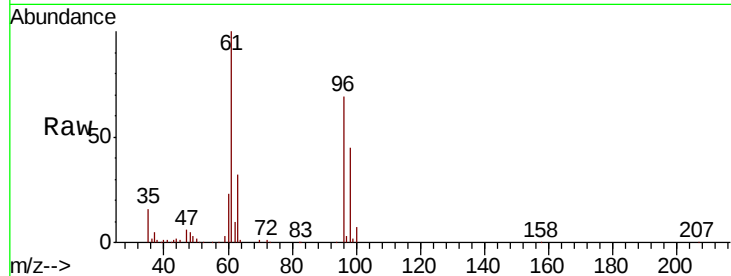
cis-1,2-Dichloroethene
Concen: 46.481 ug/l
RT: 3.49 min Scan# 290
Delta R.T. -0.02 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	145.7	0.0	290.6	
98	65.2	0.0	137.8	

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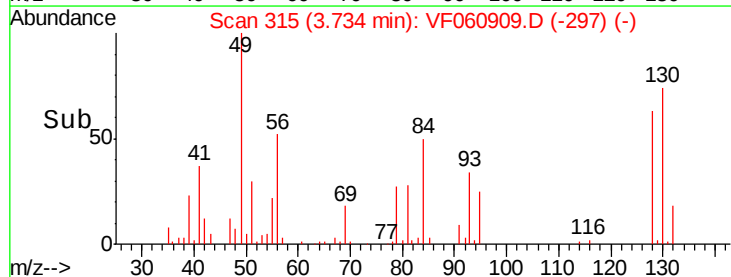
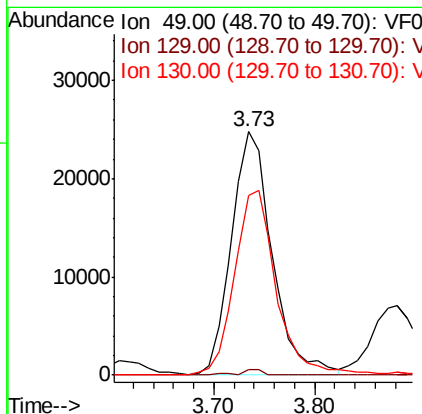
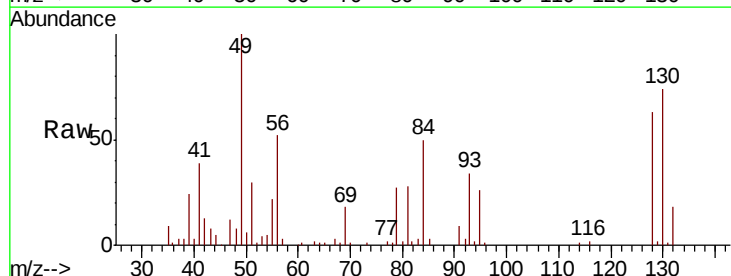
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#28

Bromochloromethane
Concen: 50.354 ug/l
RT: 3.73 min Scan# 315
Delta R.T. -0.02 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	4.4	
130	73.5	64.2	96.4	





#29

Tetrahydrofuran

Concen: 256.650 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

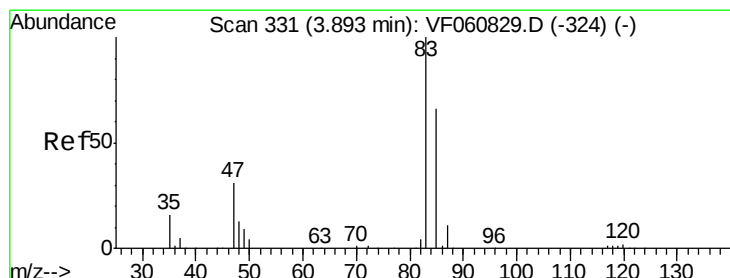
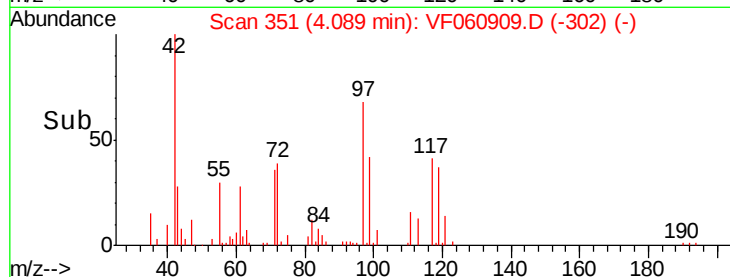
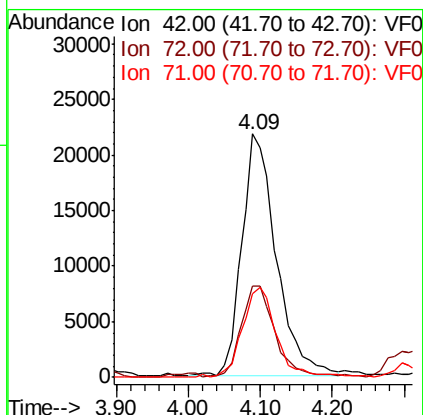
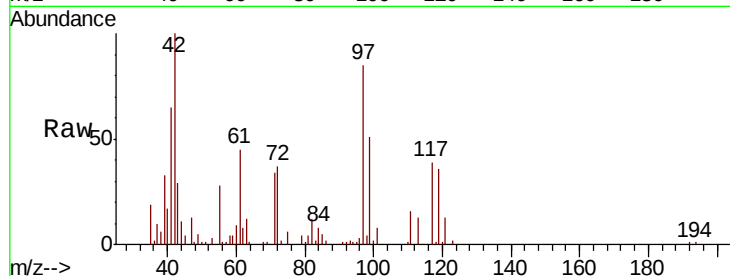
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	73022
Ion	Ratio	Lower	Upper
42	100		
72	37.2	31.9	47.9
71	37.0	28.7	43.1

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#30

Chloroform

Concen: 48.776 ug/l

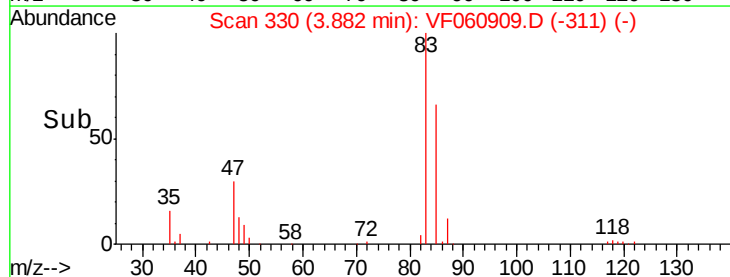
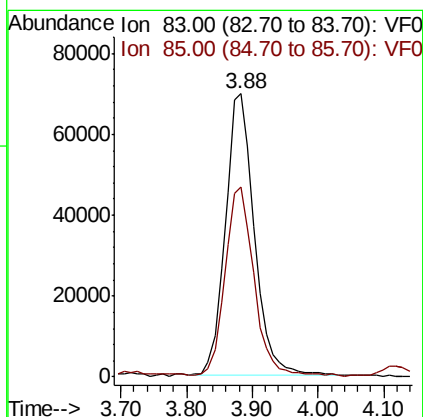
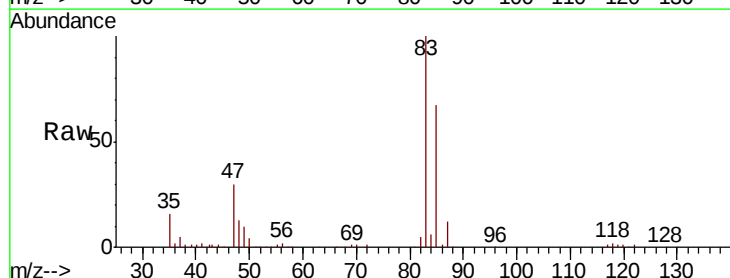
RT: 3.88 min Scan# 330

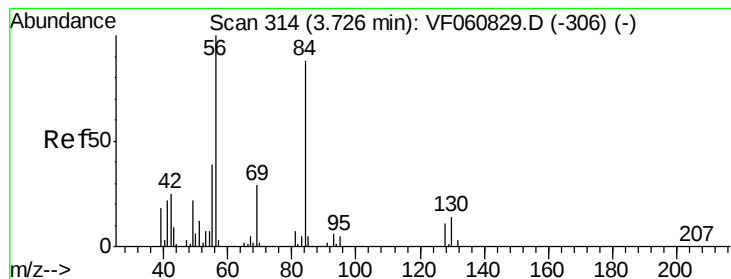
Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Tgt Ion:	83	Resp:	214332
Ion	Ratio	Lower	Upper
83	100		
85	67.0	53.4	80.2





#31

Cyclohexane

Concen: 46.498 ug/l m

RT: 3.70 min Scan# 312

Delta R.T. -0.02 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

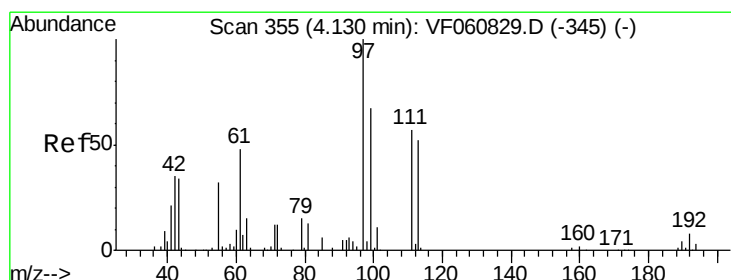
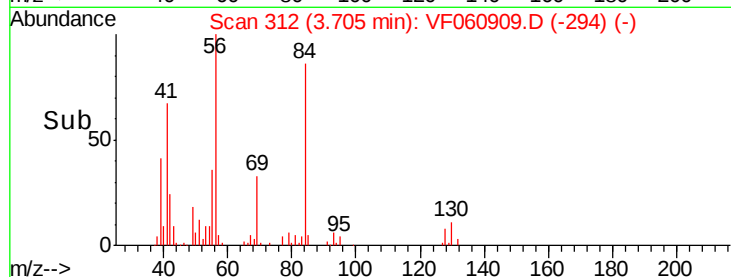
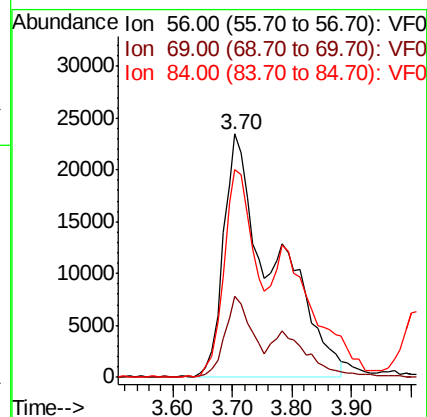
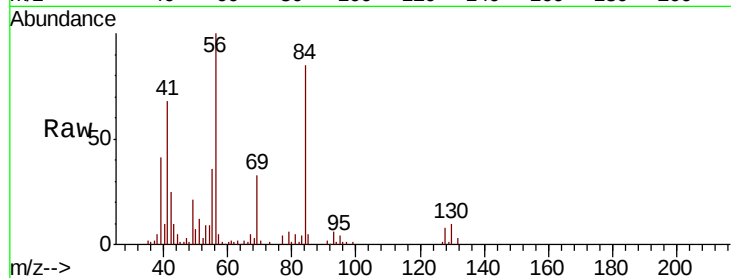
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	137778
Ion Ratio	Lower	Upper	
56	100		
69	33.2	23.0	34.4
84	85.2	70.4	105.6

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#32

1,1,1-Trichloroethane

Concen: 42.315 ug/l

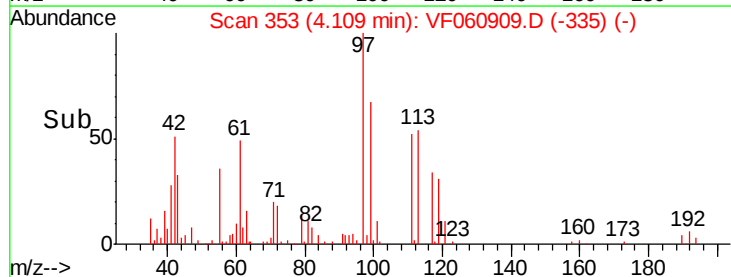
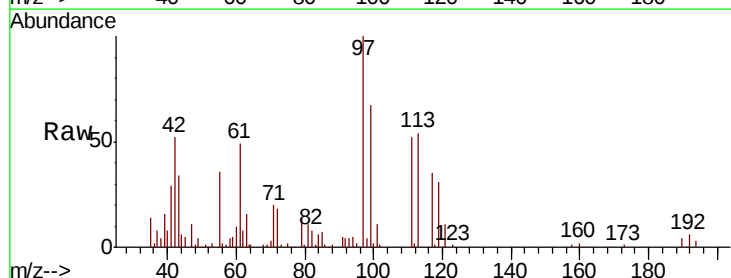
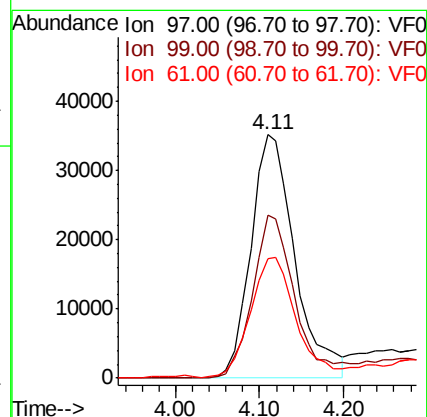
RT: 4.11 min Scan# 353

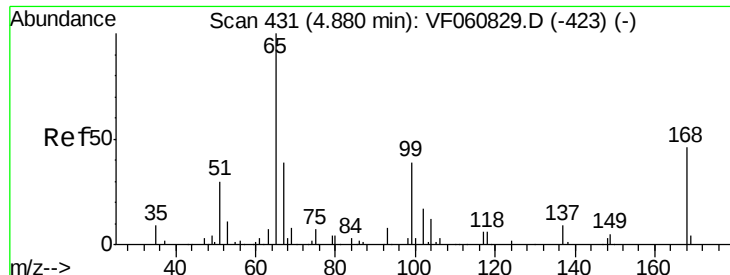
Delta R.T. -0.02 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Tgt Ion:	97	Resp:	128955
Ion Ratio	Lower	Upper	
97	100		
99	66.7	53.5	80.3
61	49.2	38.6	58.0





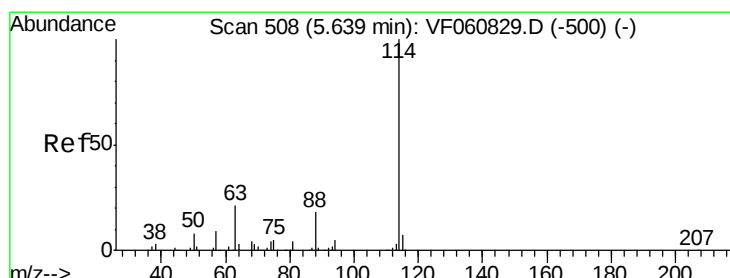
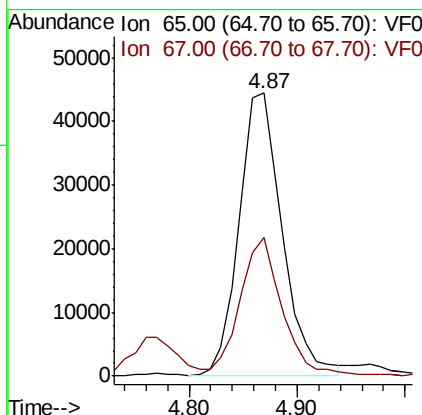
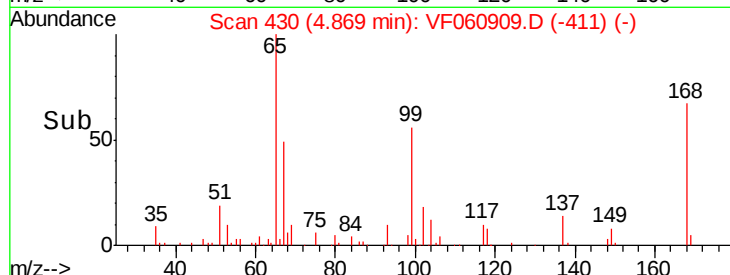
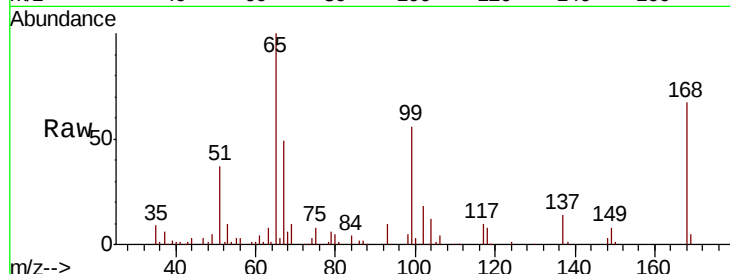
#33
 1,2-Dichloroethane-d4
 Concen: 59.072 ug/l
 RT: 4.87 min Scan# 430
 Delta R.T. -0.01 min
 Lab File: VF060909.D
 Acq: 4 Dec 2018 00:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	124312		
67	49.0	0.0	96.4	

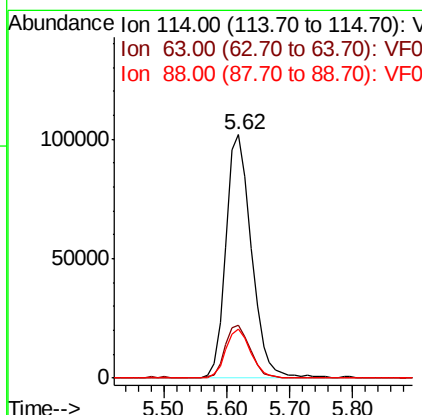
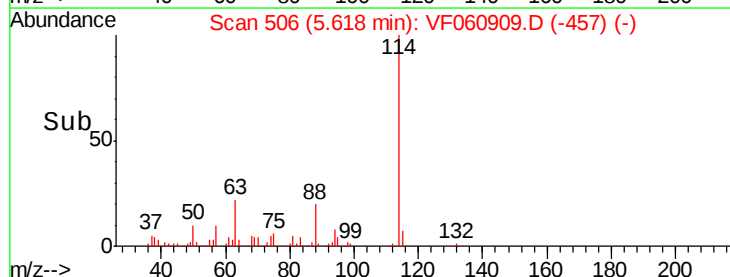
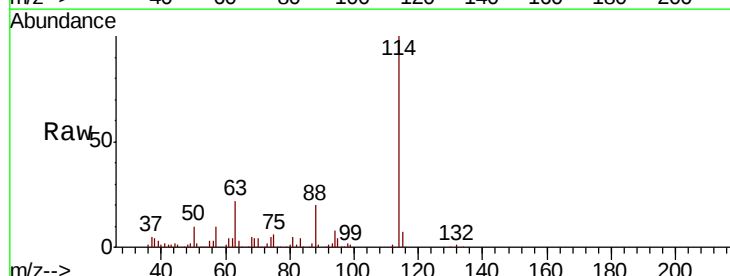
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.62 min Scan# 506
 Delta R.T. -0.02 min
 Lab File: VF060909.D
 Acq: 4 Dec 2018 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	286251		
63	21.8	0.0	41.6	
88	20.3	0.0	36.6	





#35

Dibromofluoromethane

Concen: 54.272 ug/l

RT: 4.14 min Scan# 356

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

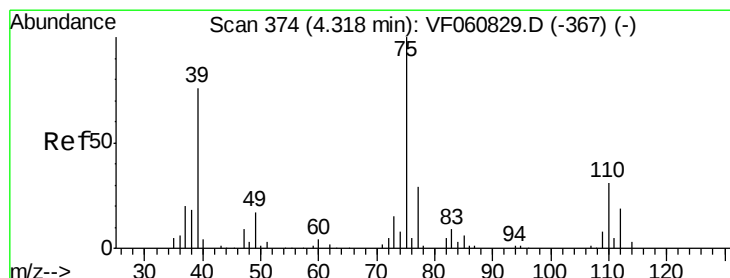
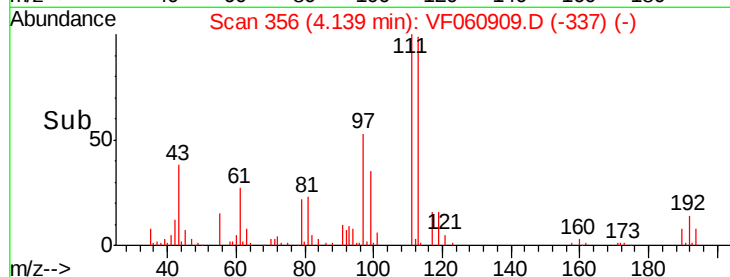
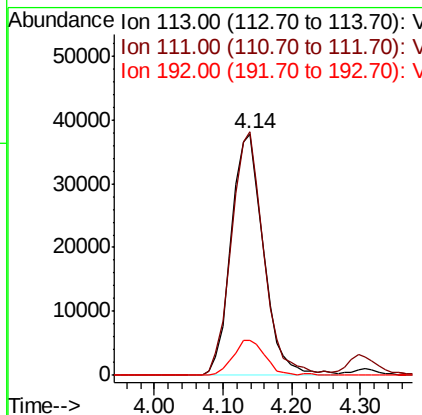
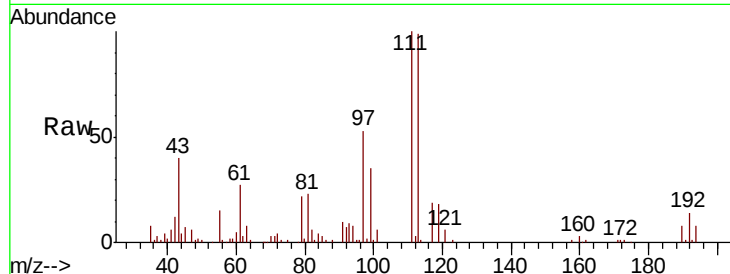
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	123247
Ion Ratio	Lower	Upper	
113	100		
111	100.8	83.0	124.6
192	14.3	12.3	18.5

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#36

1,1-Dichloropropene

Concen: 51.455 ug/l

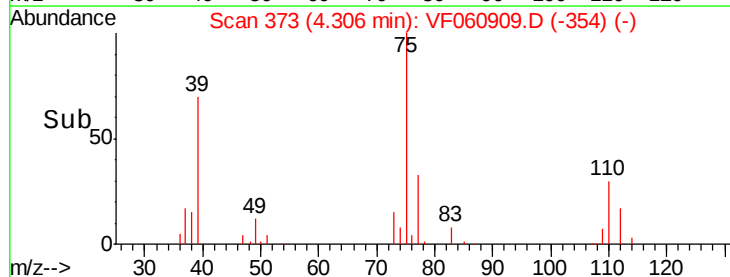
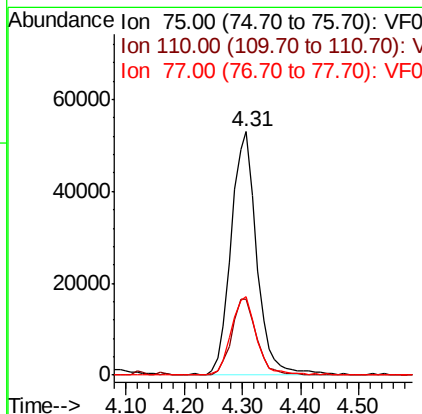
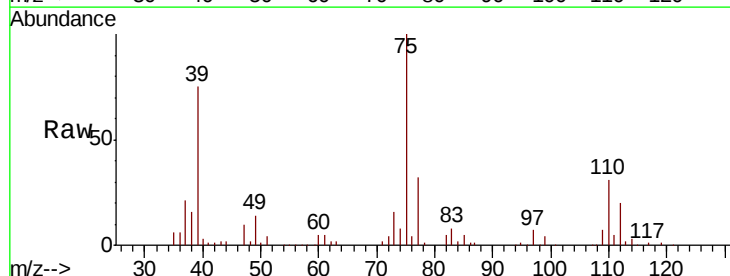
RT: 4.31 min Scan# 373

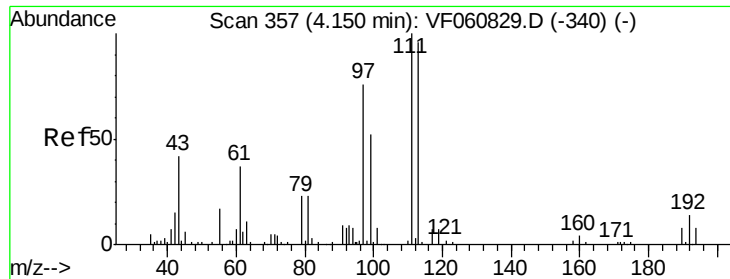
Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Tgt Ion:	75	Resp:	163371
Ion Ratio	Lower	Upper	
75	100		
110	31.0	15.6	46.8
77	32.2	23.4	35.0





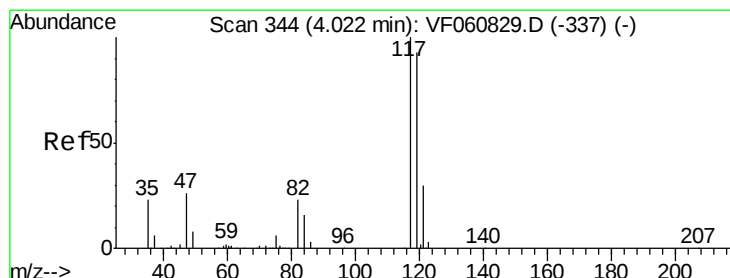
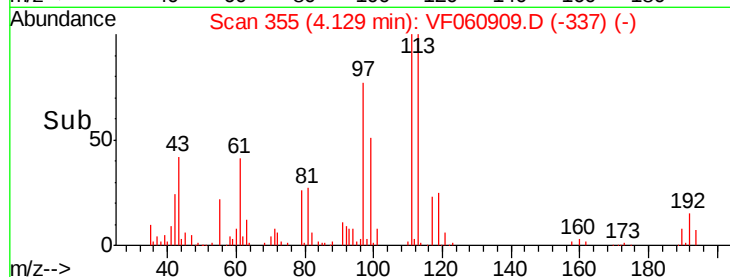
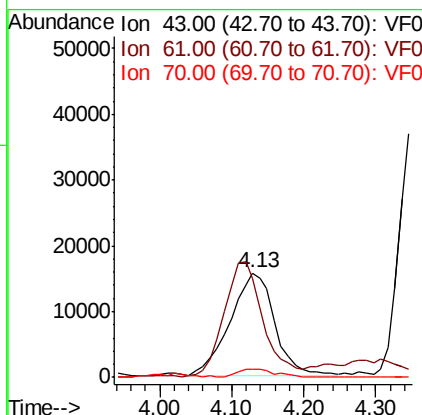
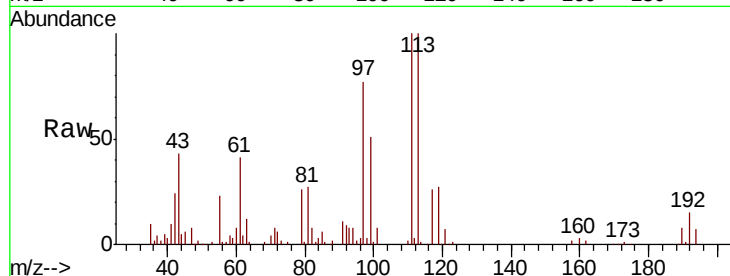
#37
Ethyl Acetate
Concen: 51.752 ug/l
RT: 4.13 min Scan# 355
Delta R.T. -0.02 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	61	70	Ratio	Lower	Upper
43	100					
61	94.2	68.6	103.0			
70	8.2	9.0	13.4			

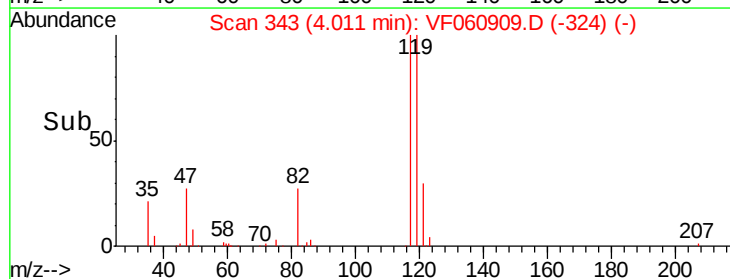
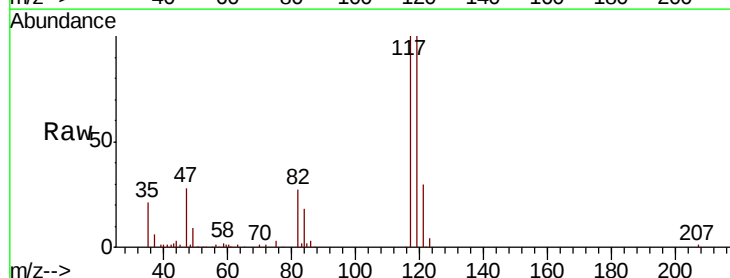
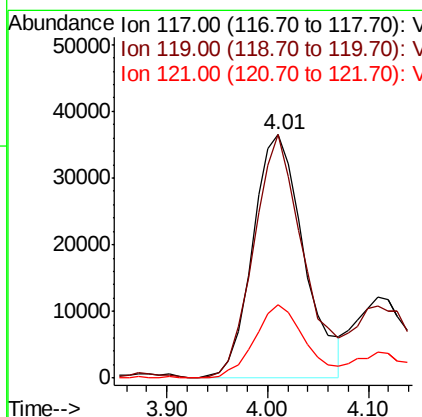
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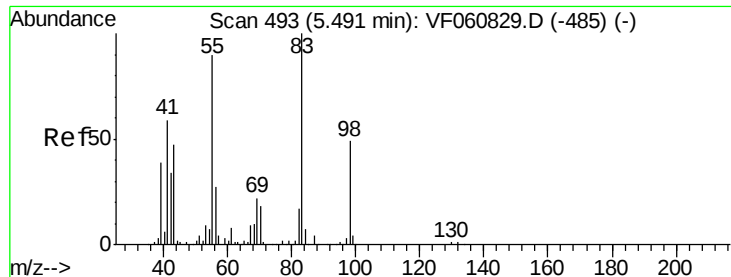
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#38
Carbon Tetrachloride
Concen: 45.594 ug/l
RT: 4.01 min Scan# 343
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Tgt Ion	117	119	121	Ratio	Lower	Upper
117	100					
119	100.2	74.4	111.6			
121	30.1	23.5	35.3			





#39

Methvlcvclohexane

Concen: 43.345 ug/l

RT: 5.48 min Scan# 492

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

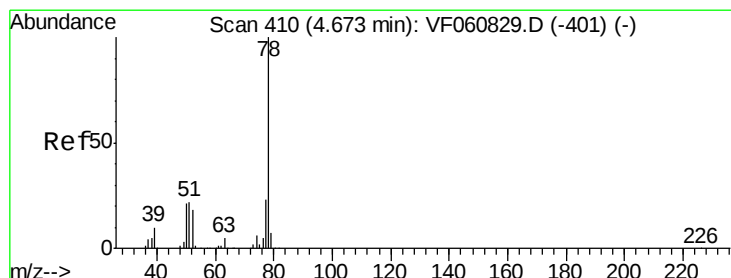
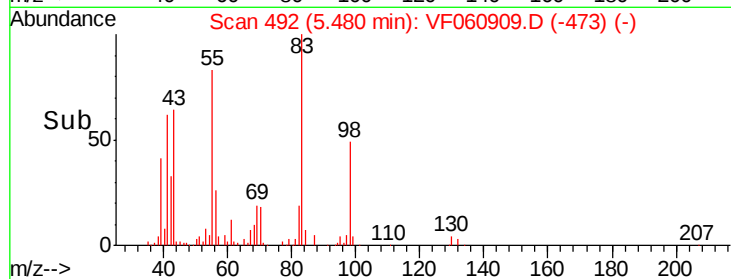
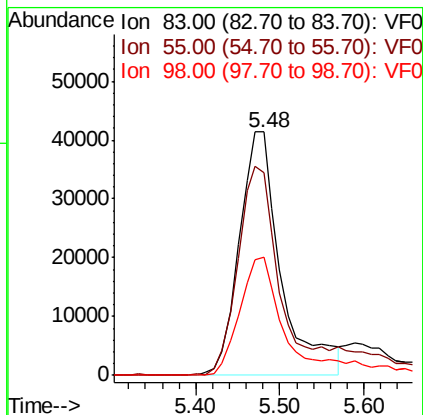
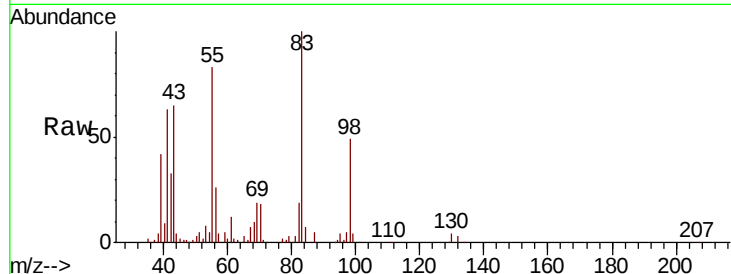
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	144224
Ion	Ratio	Lower	Upper
83	100		
55	83.3	72.1	108.1
98	48.6	39.1	58.7

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#40

Benzene

Concen: 47.355 ug/l

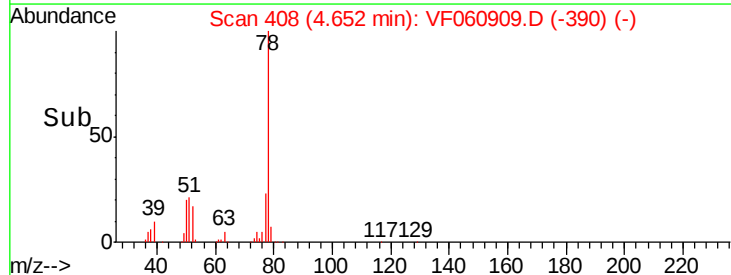
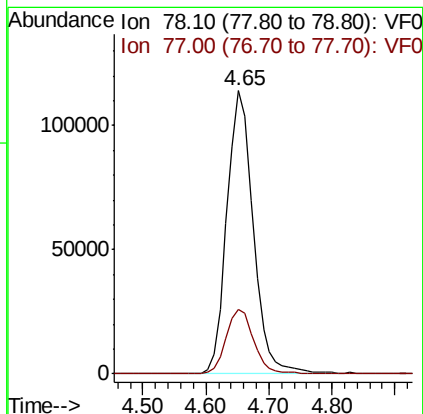
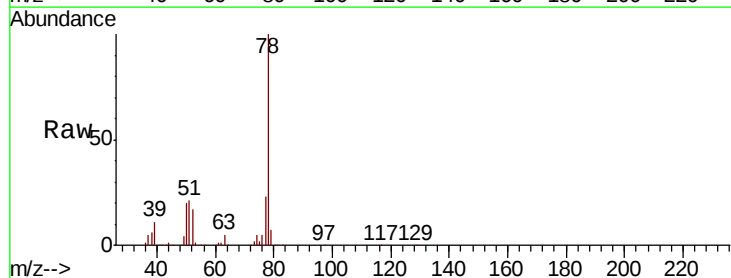
RT: 4.65 min Scan# 408

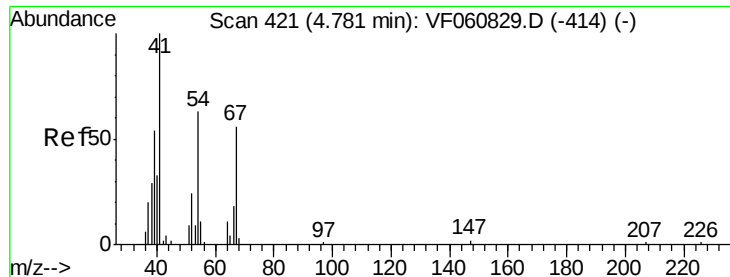
Delta R.T. -0.02 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Tgt Ion:	78	Resp:	332161
Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.7	28.1





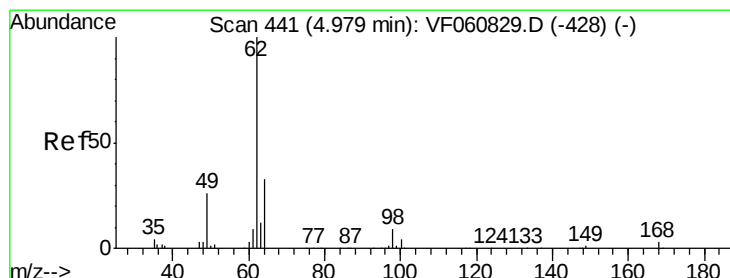
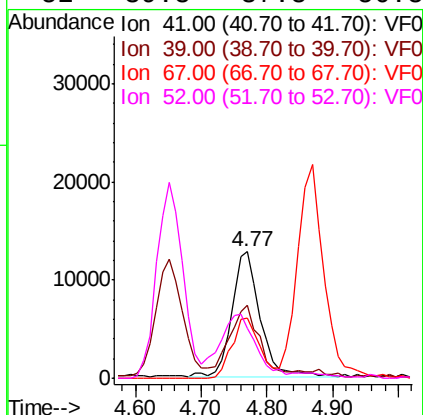
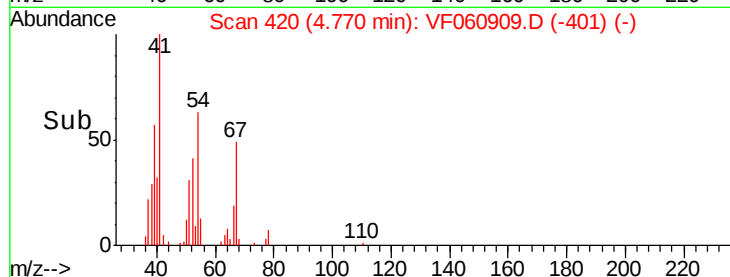
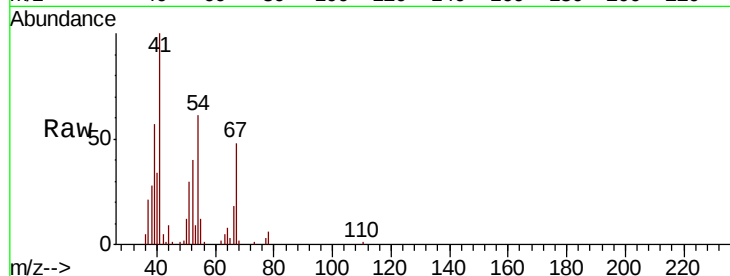
#41
Methacrylonitrile
Concen: 58.548 ug/l
RT: 4.77 min Scan# 420
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	38668
Ion	Ratio	Lower	Upper
41	100		
39	57.4	53.0	79.6
67	47.9	43.8	65.6
52	39.8	37.8	56.8

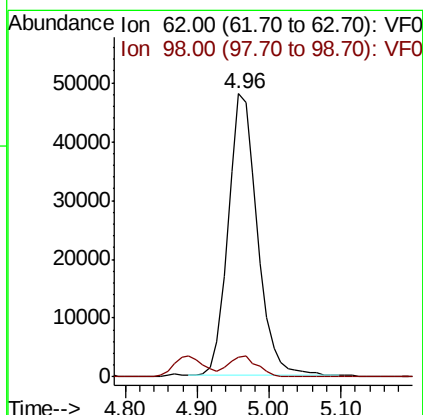
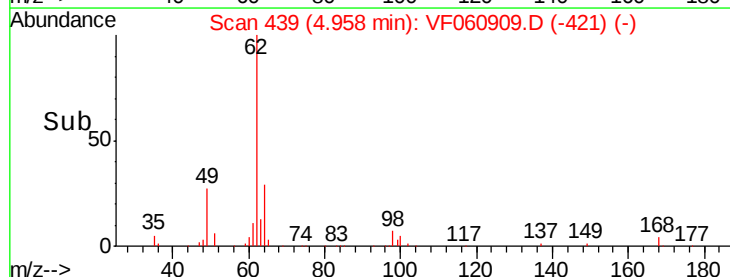
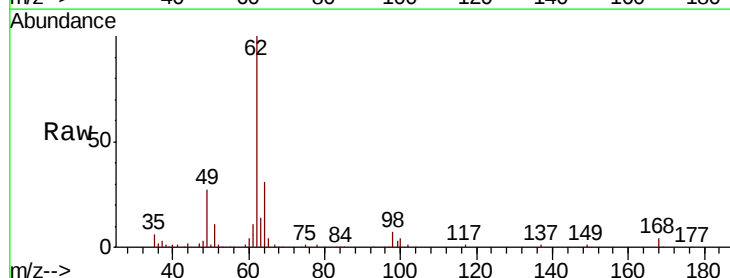
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 52.724 ug/l
RT: 4.96 min Scan# 439
Delta R.T. -0.02 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Tgt Ion	62	Resp	135013
Ion	Ratio	Lower	Upper
62	100		
98	7.0	0.0	17.2





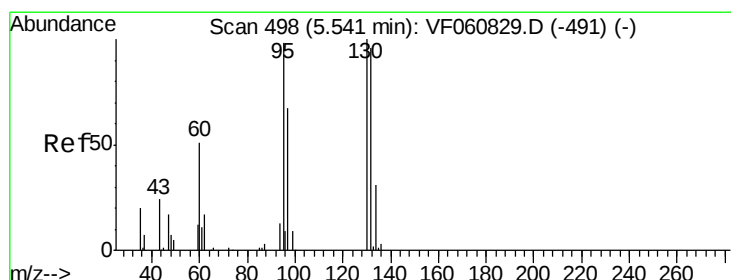
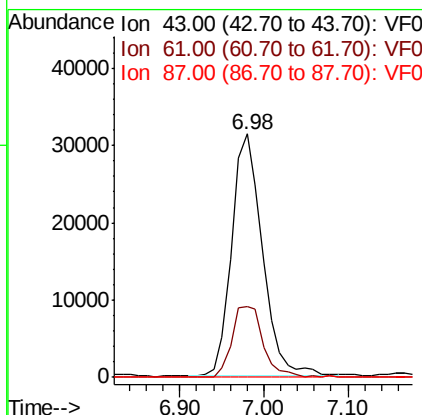
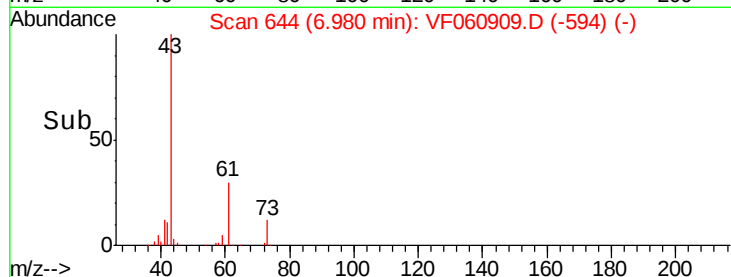
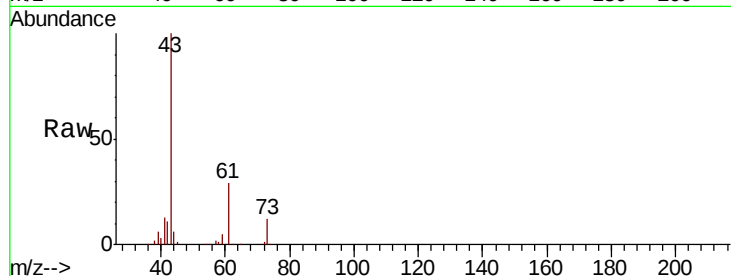
#43
Isopropyl Acetate
Concen: 50.394 ug/l
RT: 6.98 min Scan# 644
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.2	21.4	32.0
87	0.0	0.2	0.4

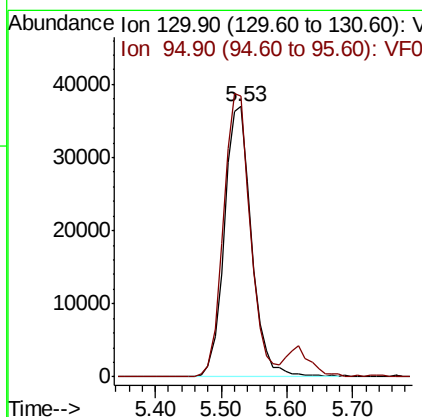
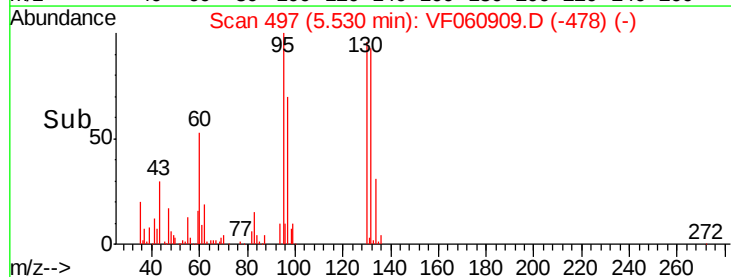
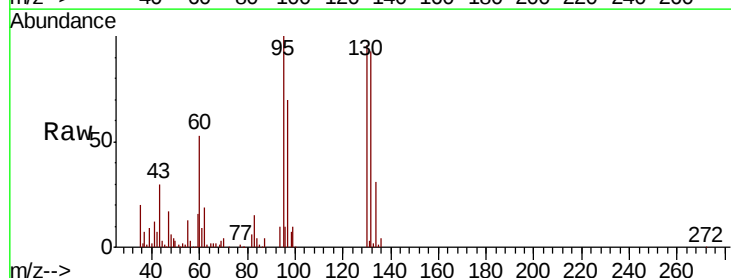
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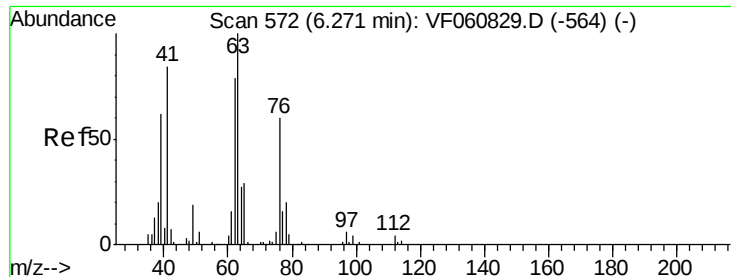
apatel
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#44
Trichloroethene
Concen: 46.745 ug/l
RT: 5.53 min Scan# 497
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.9	0.0	195.6





#45

1,2-Dichloropropane

Concen: 51.253 ug/l

RT: 6.26 min Scan# 571

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 93368

Ion Ratio Lower Upper

63 100

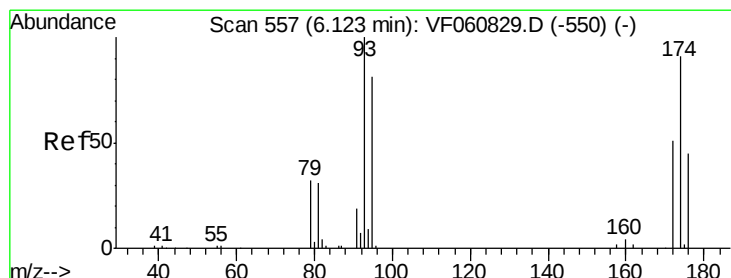
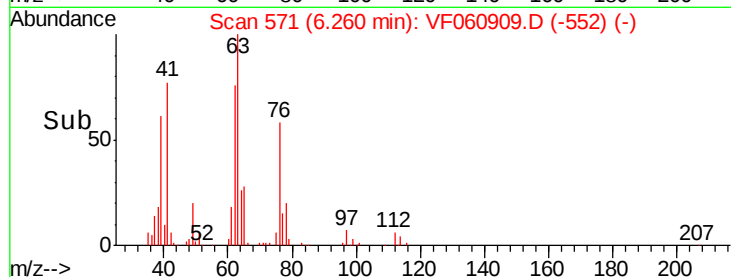
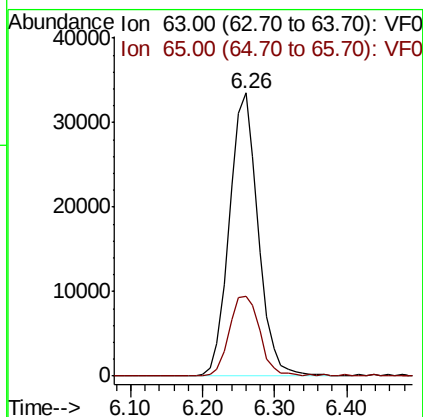
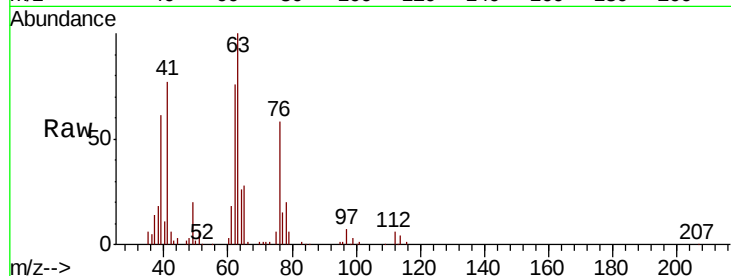
65 28.2 23.2 34.8

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#46

Dibromomethane

Concen: 53.271 ug/l

RT: 6.10 min Scan# 555

Delta R.T. -0.02 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

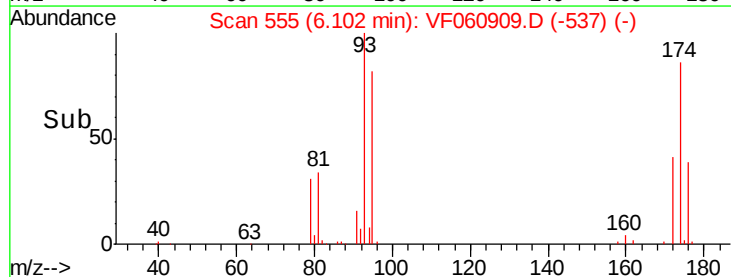
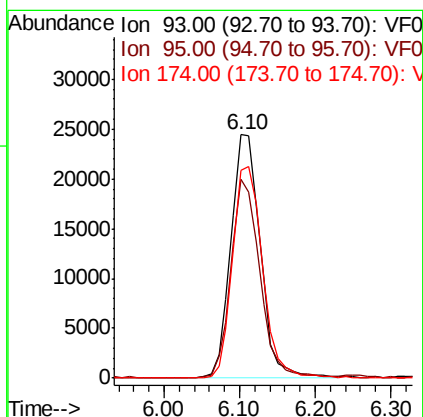
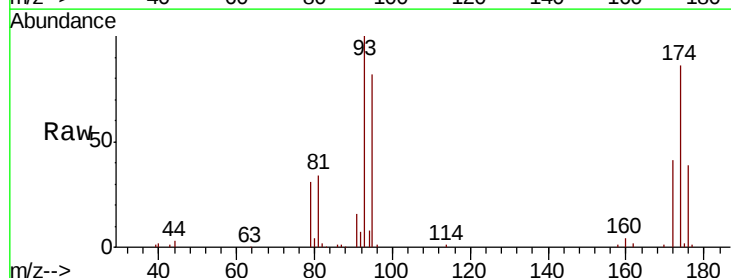
Tgt Ion: 93 Resp: 65831

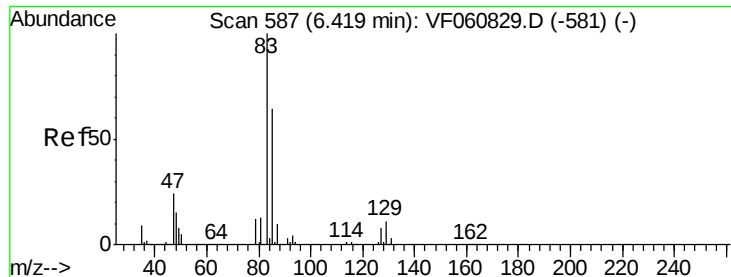
Ion Ratio Lower Upper

93 100

95 81.5 64.7 97.1

174 85.5 73.0 109.6





#47

Bromodichloromethane

Concen: 50.045 ug/l

RT: 6.41 min Scan# 586

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

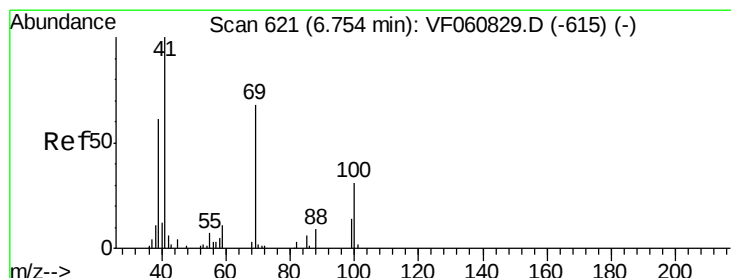
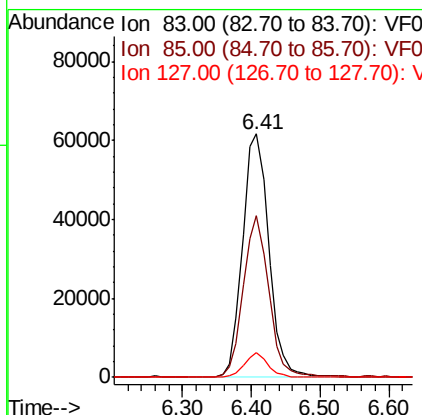
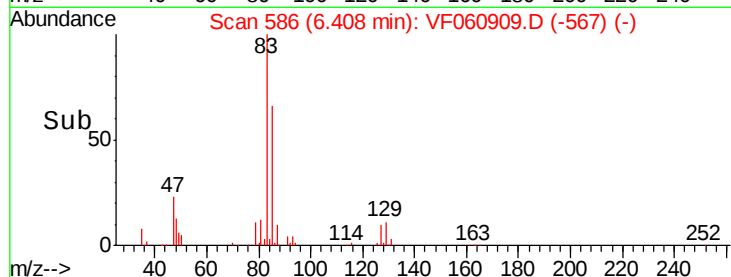
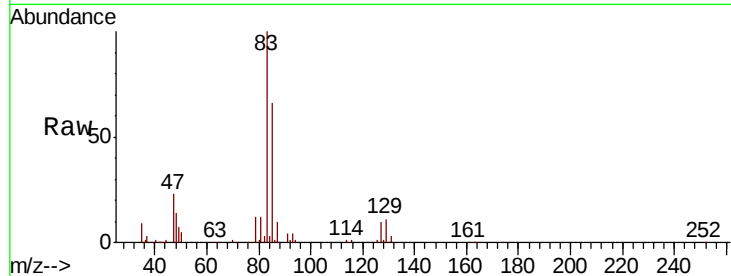
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	164258
Ion Ratio	Lower	Upper	
83	100		
85	66.2	51.1	76.7
127	9.9	6.8	10.2

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#48

Methyl methacrylate

Concen: 52.177 ug/l

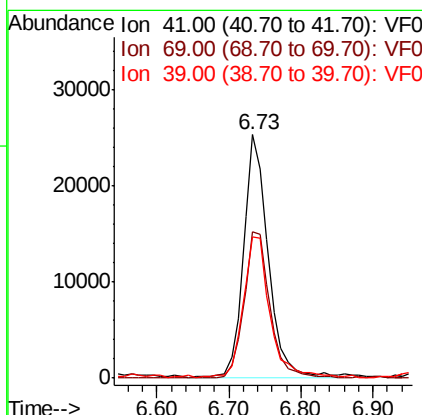
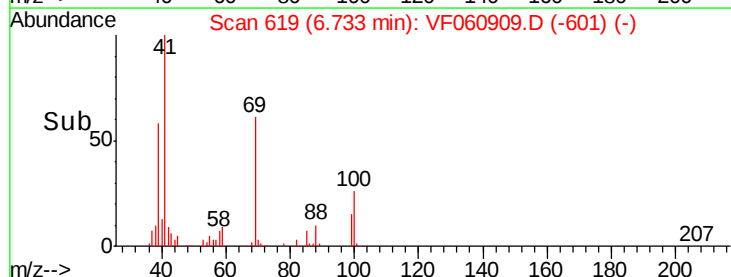
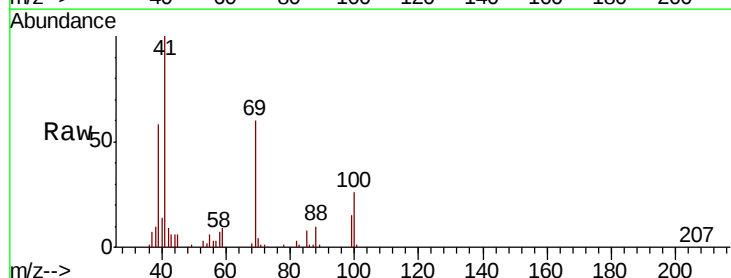
RT: 6.73 min Scan# 619

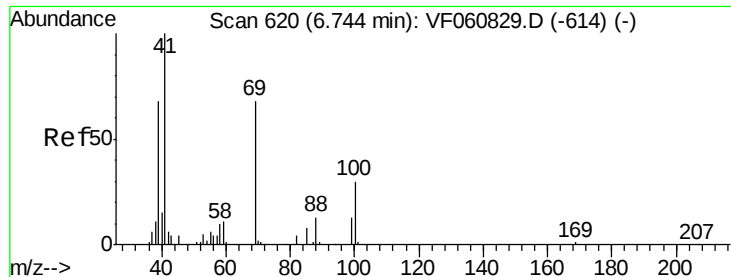
Delta R.T. -0.02 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Tgt Ion:	41	Resp:	60937
Ion Ratio	Lower	Upper	
41	100		
69	59.9	53.9	80.9
39	58.1	49.0	73.6





#49

1,4-Dioxane

Concen: 1103.725 ug/l

RT: 6.72 min Scan# 618

Delta R.T. -0.02 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

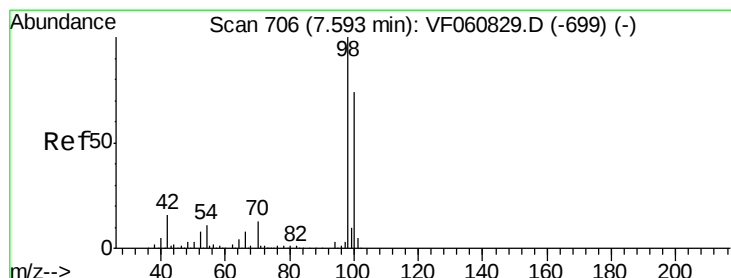
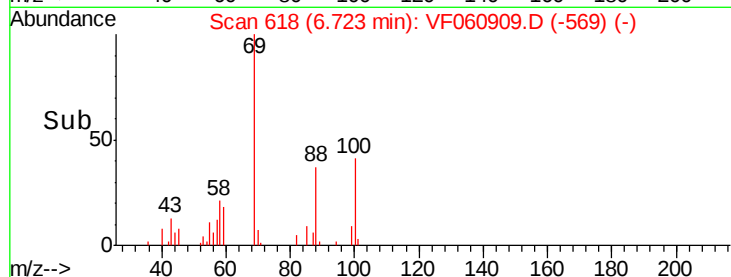
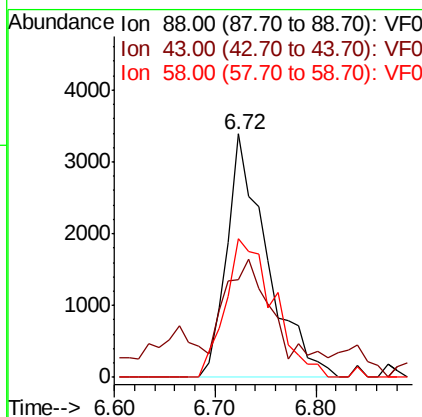
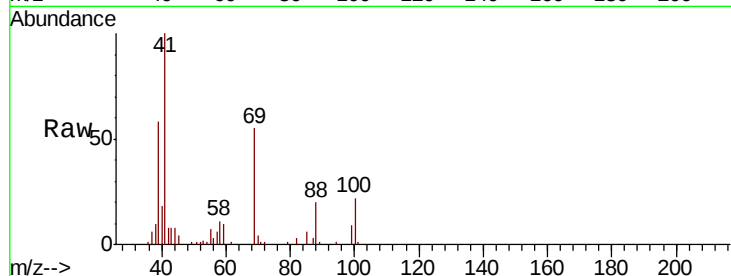
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	9434
Ion	Ratio	Lower	Upper
88	100		
43	40.2	42.0	63.0#
58	56.9	61.8	92.8#

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#50

Toluene-d8

Concen: 54.375 ug/l

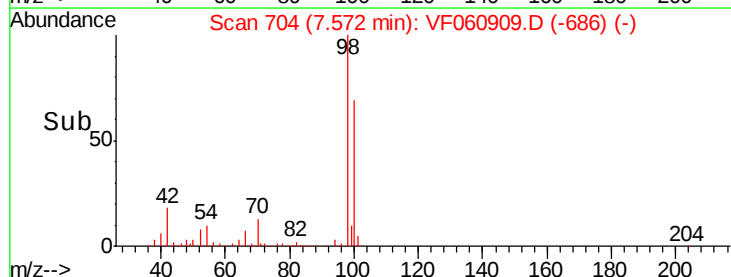
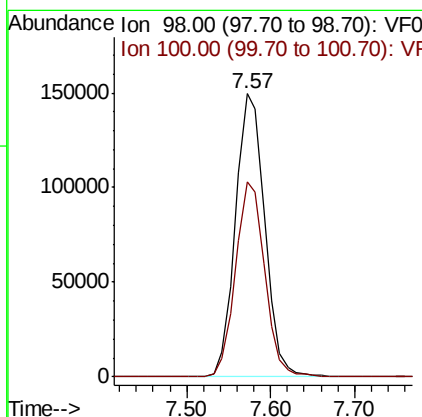
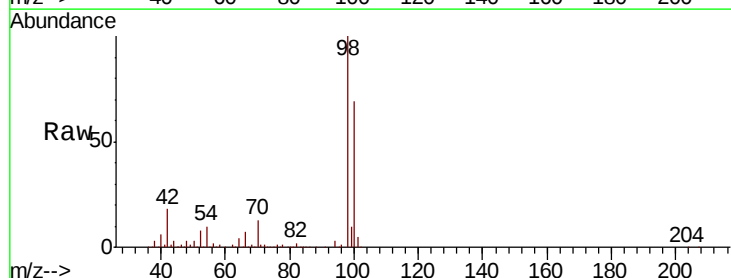
RT: 7.57 min Scan# 704

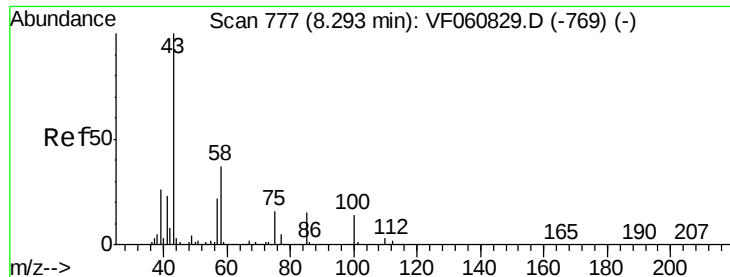
Delta R.T. -0.02 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Tgt Ion:	98	Resp:	363736
Ion	Ratio	Lower	Upper
98	100		
100	68.9	59.3	88.9





#51

4-Methyl-2-Pentanone

Concen: 257.249 ug/l

RT: 8.28 min Scan# 776

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 306076

Ion Ratio Lower Upper

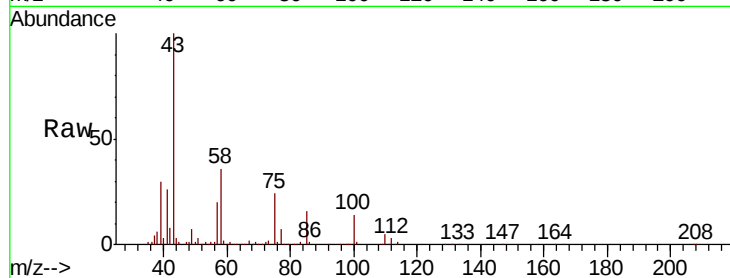
43 100

58 36.1 29.7 44.5

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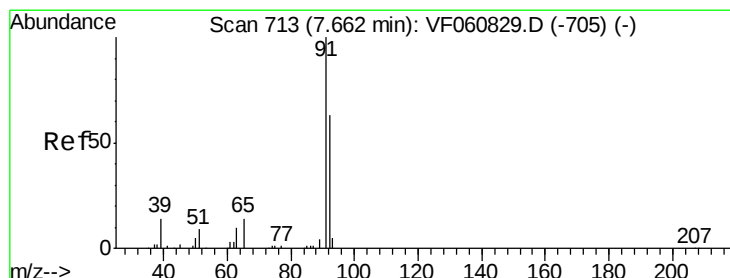
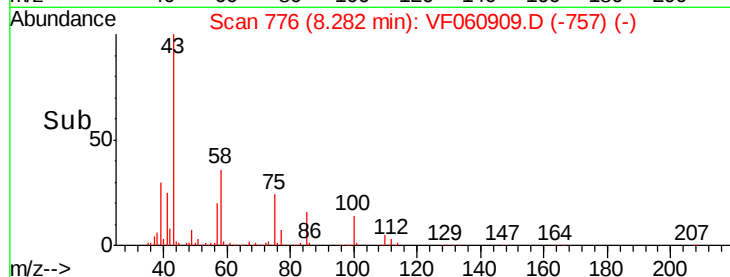
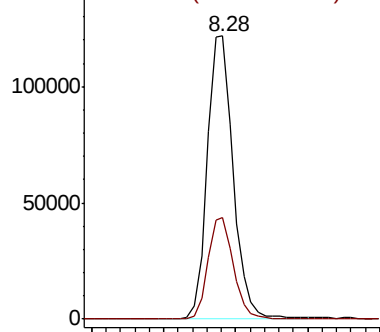
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 45.405 ug/l

RT: 7.64 min Scan# 711

Delta R.T. -0.02 min

Lab File: VF060909.D

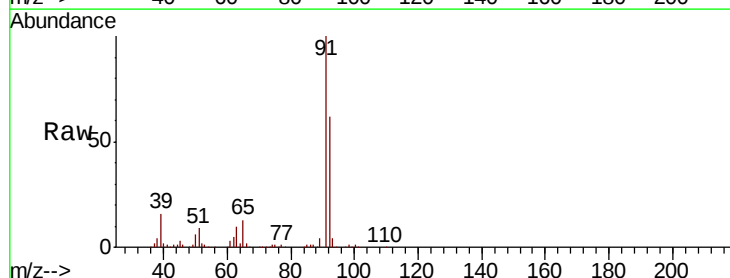
Acq: 4 Dec 2018 00:07

Tgt Ion: 92 Resp: 223707

Ion Ratio Lower Upper

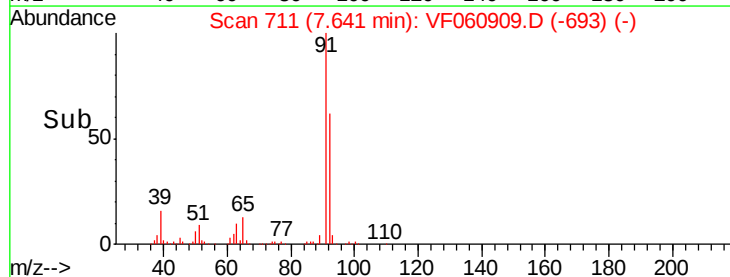
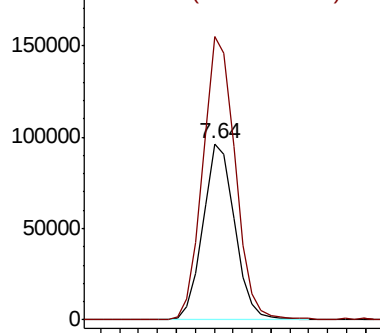
92 100

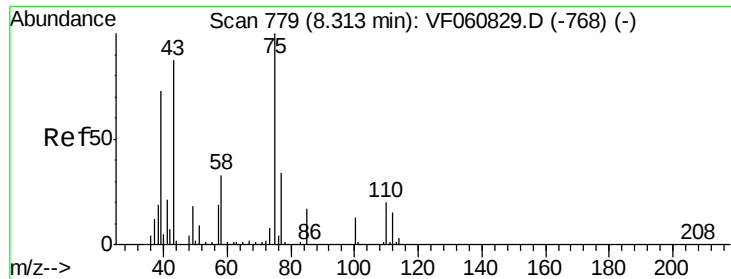
91 160.8 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 49.781 ug/l

RT: 8.30 min Scan# 778

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 132904

Ion Ratio Lower Upper

75 100

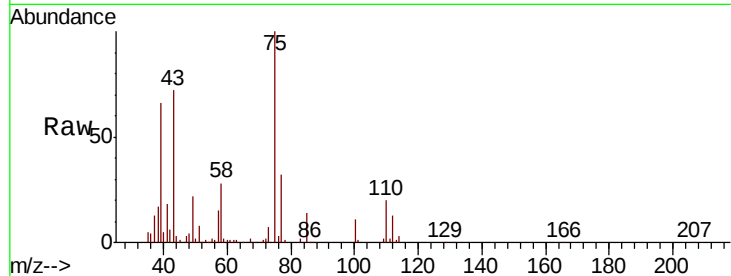
77 32.0 27.4 41.2

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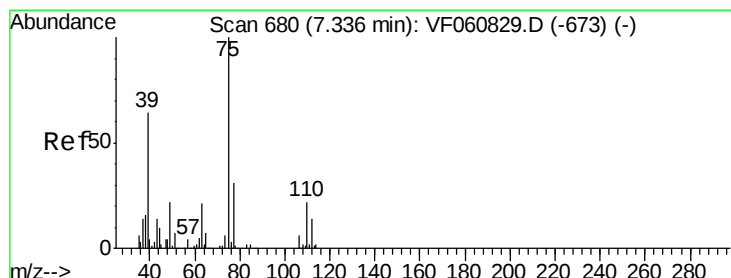
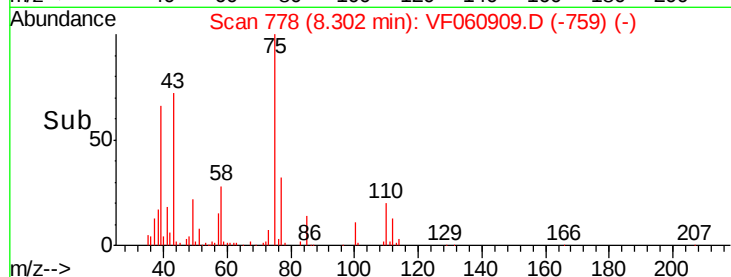
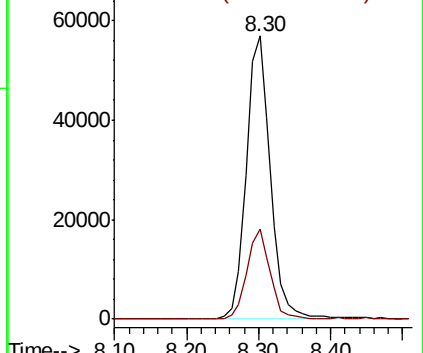
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 48.192 ug/l

RT: 7.32 min Scan# 679

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

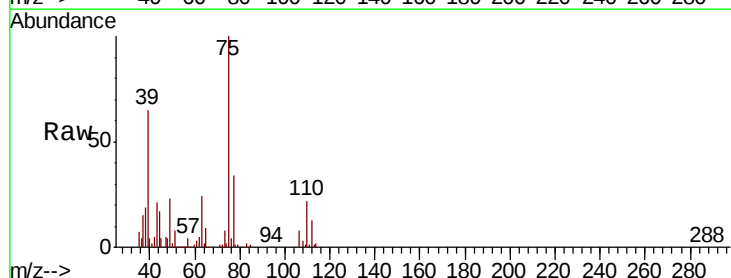
Tgt Ion: 75 Resp: 159280

Ion Ratio Lower Upper

75 100

77 34.4 25.0 37.6

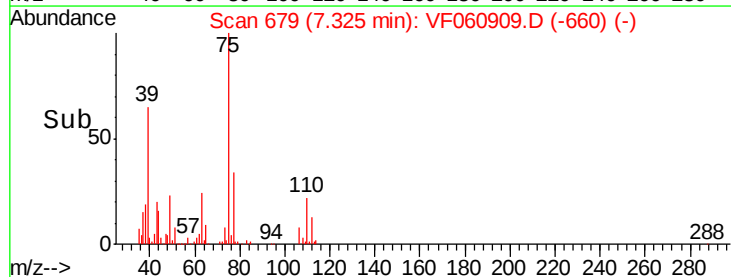
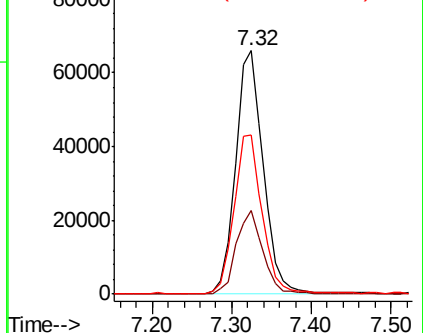
39 65.4 51.1 76.7

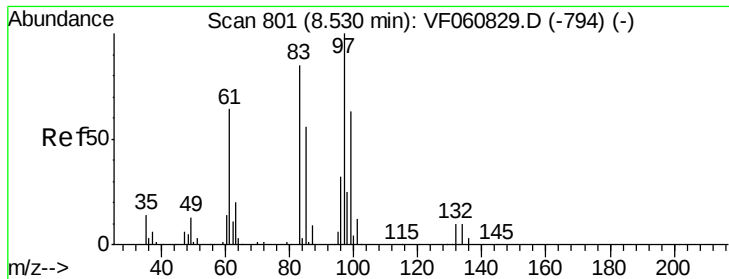


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





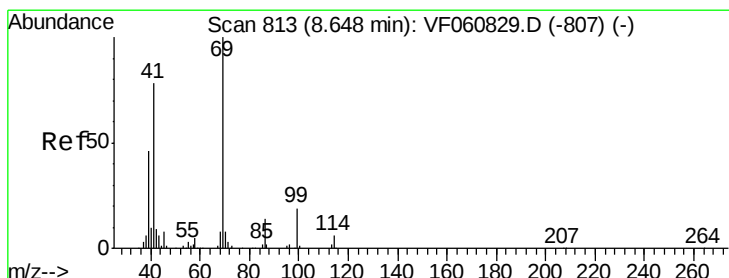
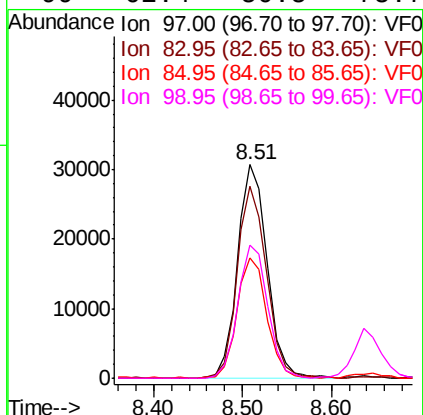
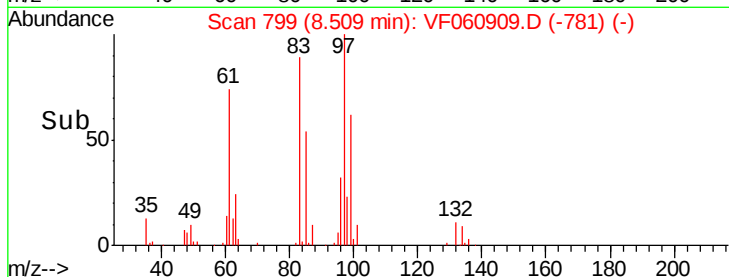
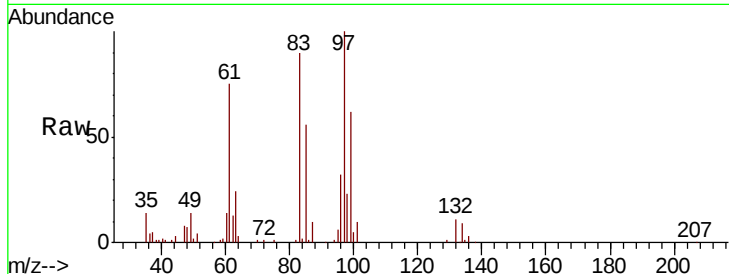
#55
 1,1,2-Trichloroethane
 Concen: 49.467 ug/l
 RT: 8.51 min Scan# 799
 Delta R.T. -0.02 min
 Lab File: VF060909.D
 Acq: 4 Dec 2018 00:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	71016
Ion	Ratio	Lower	Upper
97	100		
83	89.7	67.8	101.6
85	56.3	45.0	67.6
99	62.4	50.5	75.7

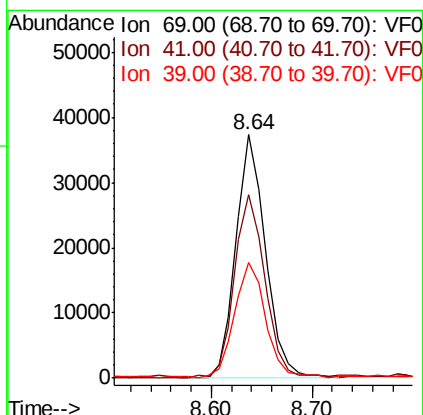
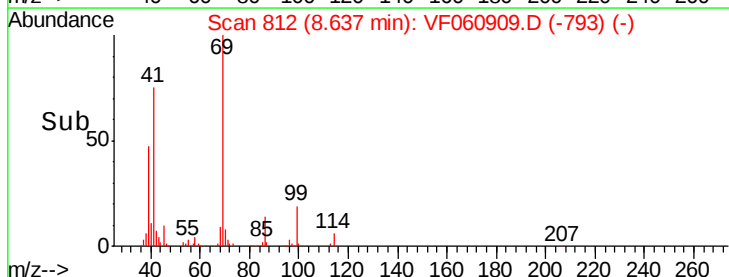
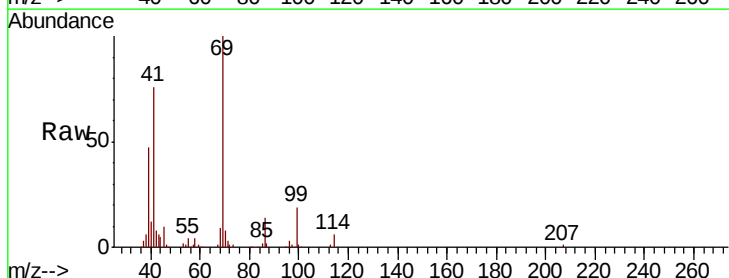
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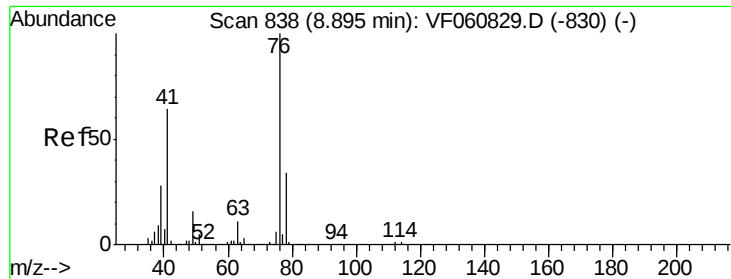
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#56
 Ethyl methacrylate
 Concen: 47.954 ug/l
 RT: 8.64 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: VF060909.D
 Acq: 4 Dec 2018 00:07

Tgt Ion:	69	Resp:	76478
Ion	Ratio	Lower	Upper
69	100		
41	75.5	62.6	94.0
39	47.4	37.8	56.6





#57

1,3-Dichloropropane

Concen: 52.707 ug/l

RT: 8.87 min Scan# 836

Delta R.T. -0.02 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 132384

Ion Ratio Lower Upper

76 100

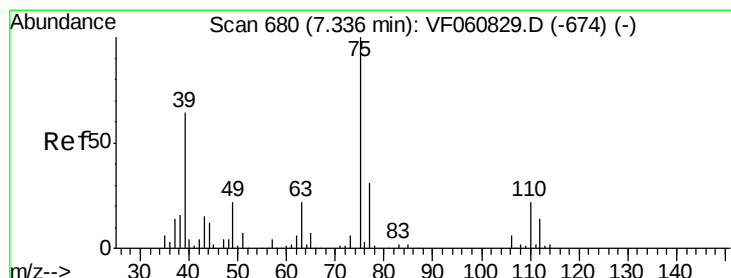
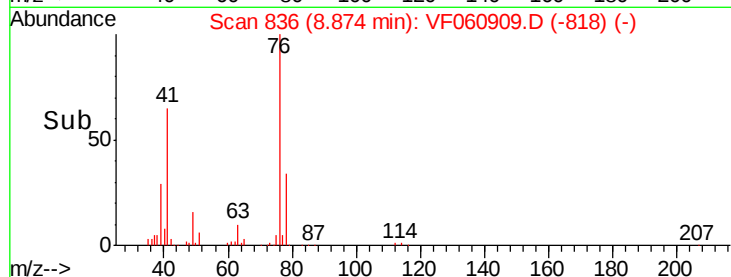
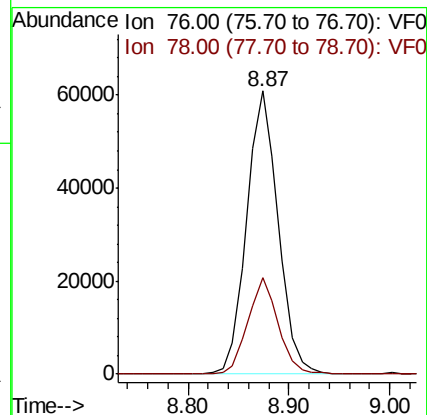
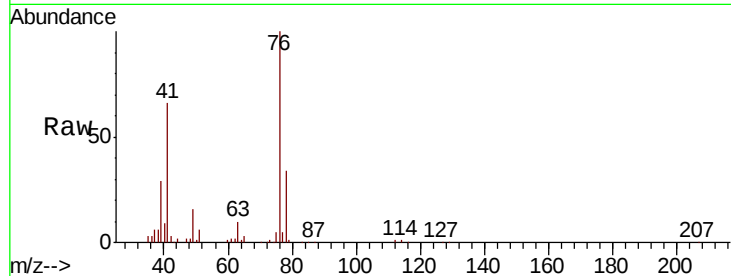
78 34.0 27.0 40.4

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#58

2-Chloroethyl Vinyl ether

Concen: 274.782 ug/l

RT: 7.32 min Scan# 678

Delta R.T. -0.02 min

Lab File: VF060909.D

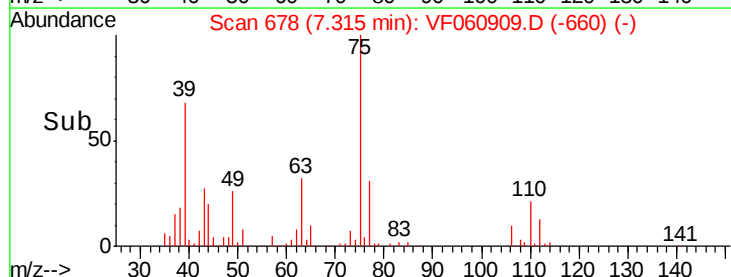
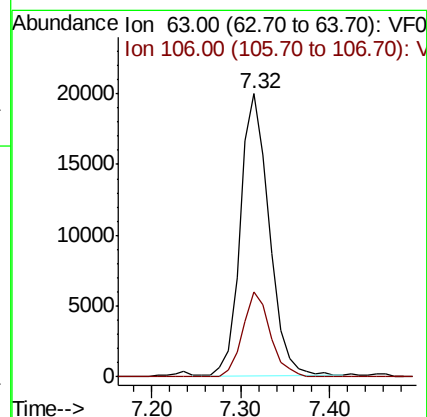
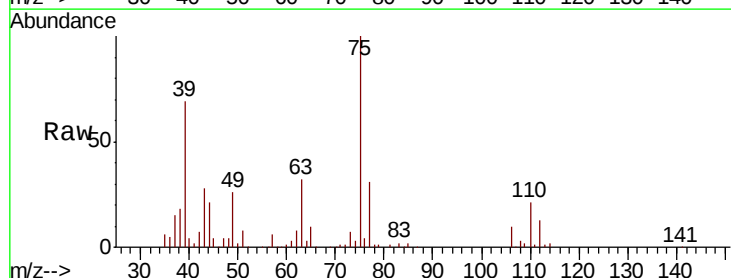
Acq: 4 Dec 2018 00:07

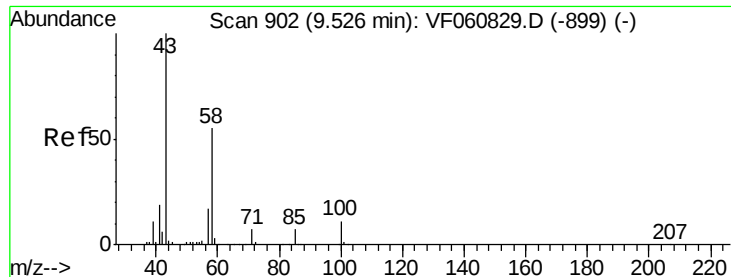
Tgt Ion: 63 Resp: 44824

Ion Ratio Lower Upper

63 100

106 29.9 23.0 34.6





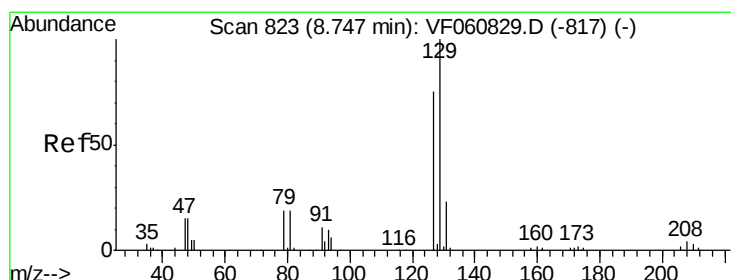
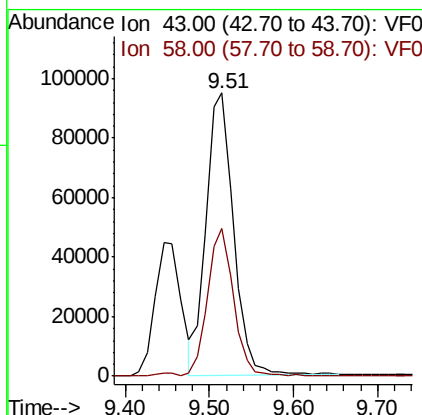
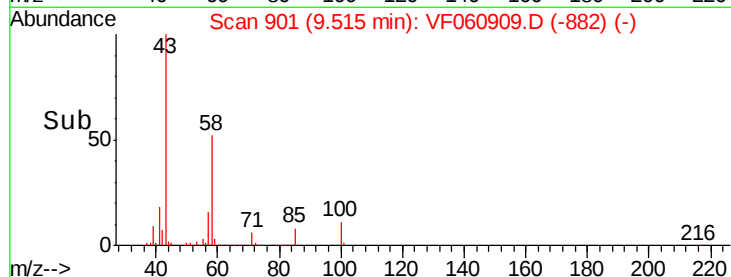
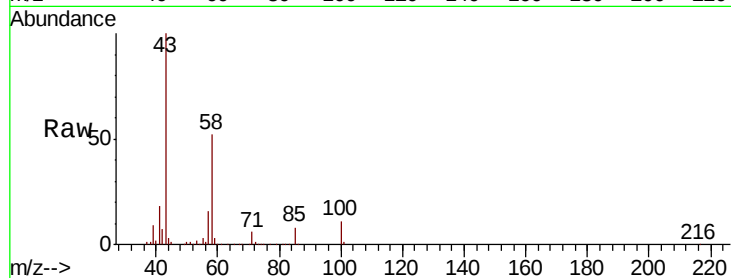
#59
2-Hexanone
Concen: 257.013 ug/l
RT: 9.51 min Scan# 901
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 214534
Ion Ratio Lower Upper
43 100
58 52.3 25.6 76.6

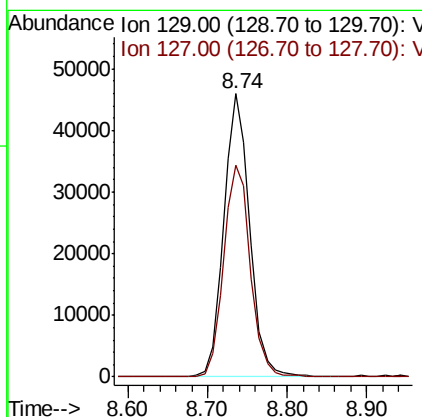
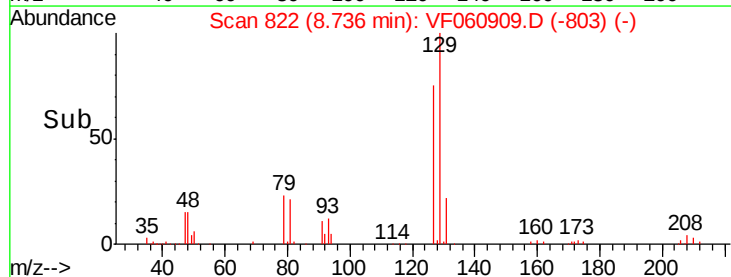
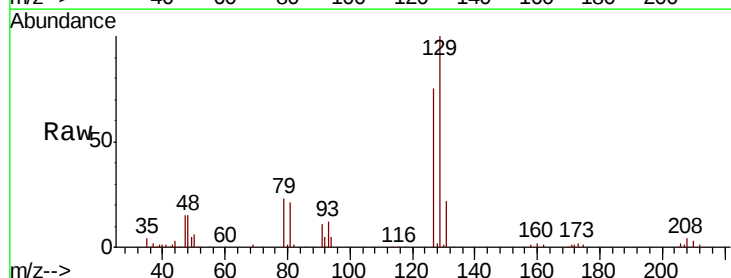
Manual Integrations
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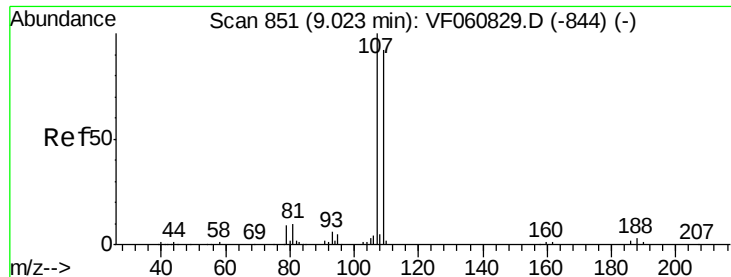
apatel
12/4/2018 2:52:41 PM



#60
Dibromochloromethane
Concen: 49.223 ug/l
RT: 8.74 min Scan# 822
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Tgt Ion: 129 Resp: 105290
Ion Ratio Lower Upper
129 100
127 74.9 37.3 111.9





#61

1,2-Dibromoethane

Concen: 49.421 ug/l

RT: 9.00 min Scan# 849

Delta R.T. -0.02 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 76647

Ion Ratio Lower Upper

107 100

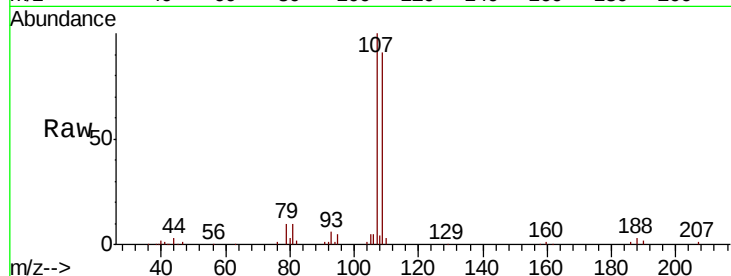
109 90.6 73.6 110.4

Manual Integrations

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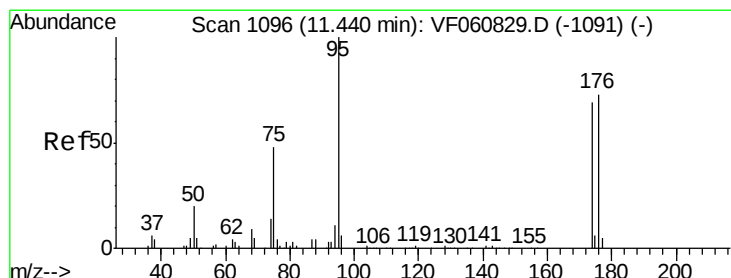
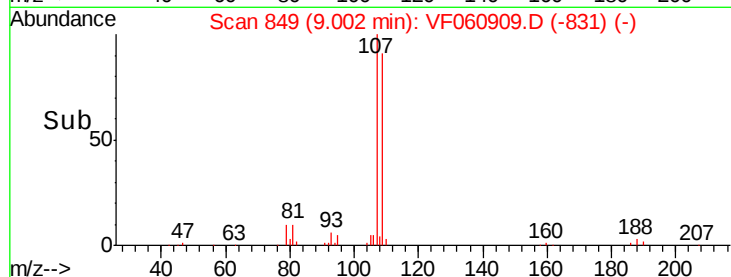
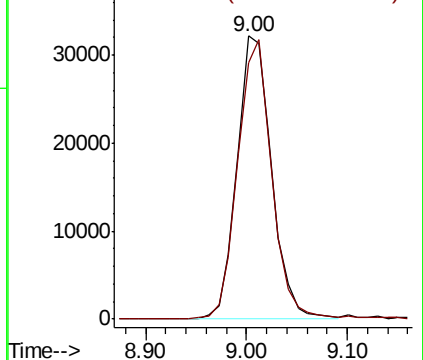
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 52.932 ug/l

RT: 11.43 min Scan# 1095

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

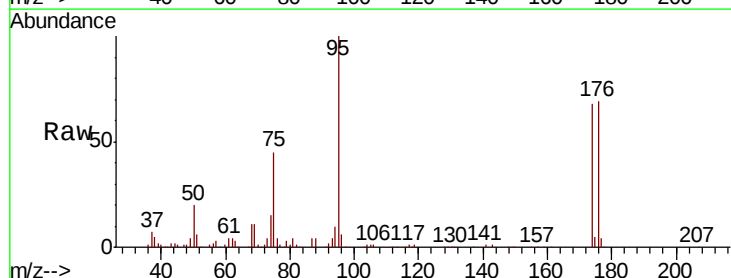
Tgt Ion: 95 Resp: 160927

Ion Ratio Lower Upper

95 100

174 67.9 0.0 138.2

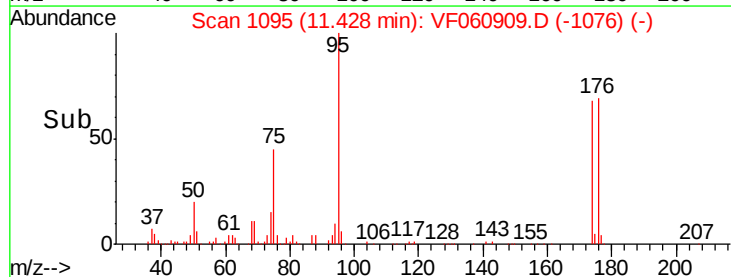
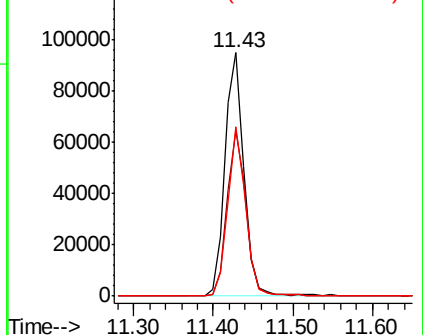
176 69.4 0.0 146.2

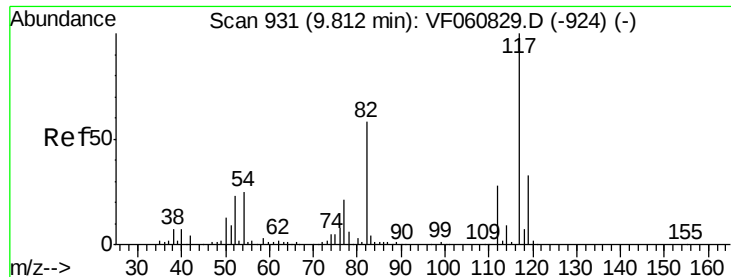


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





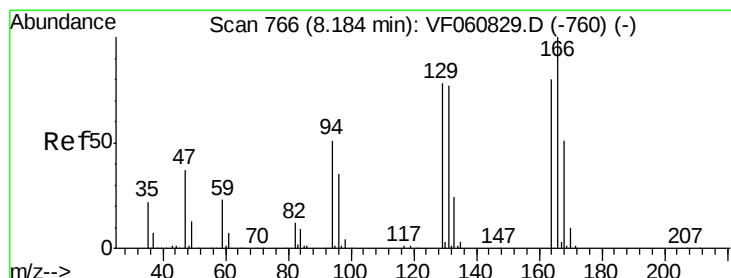
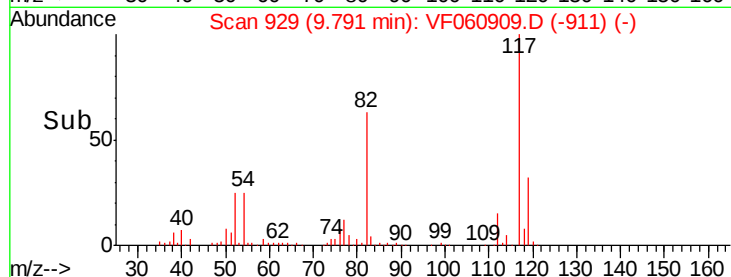
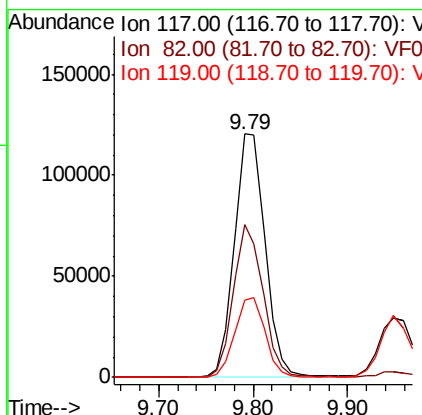
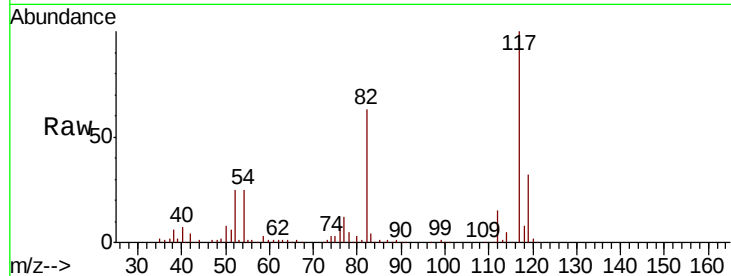
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.02 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.6	46.6	69.8
119	31.9	26.4	39.6

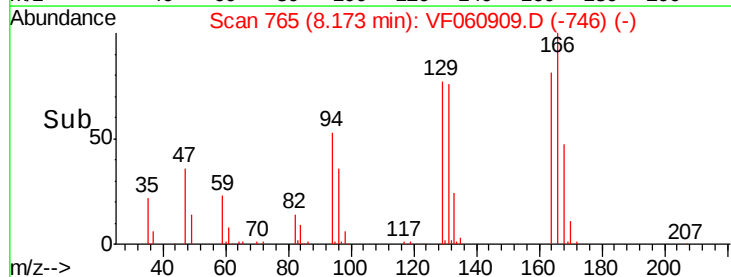
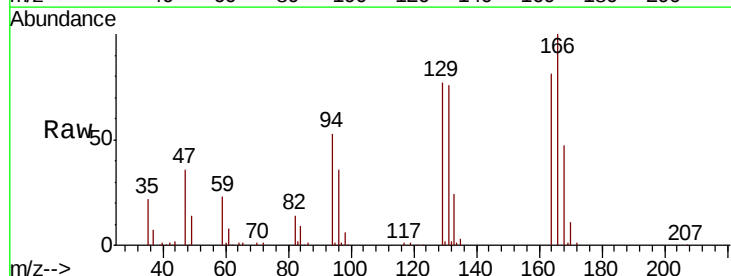
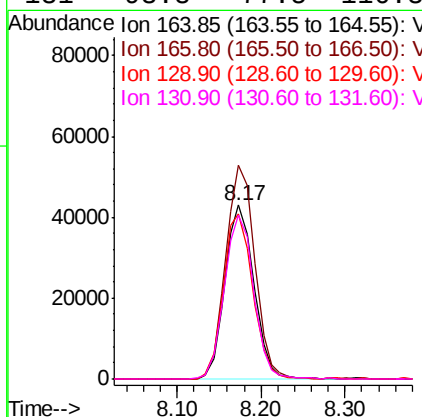
Manual Integrations
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#64
Tetrachloroethene
Concen: 49.498 ug/l
RT: 8.17 min Scan# 765
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.7	100.3	150.5
129	95.1	77.9	116.9
131	93.8	77.5	116.3





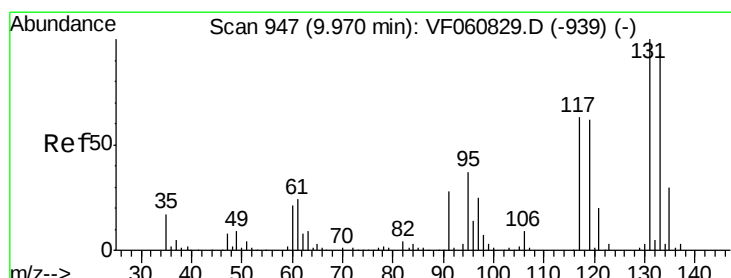
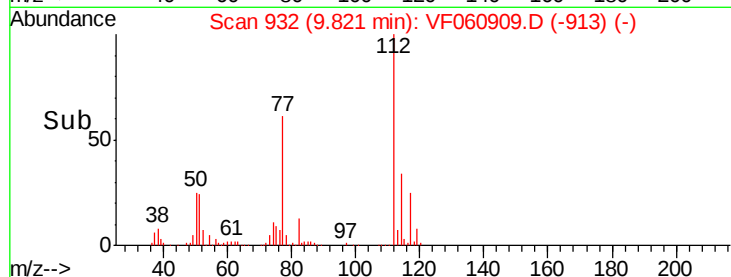
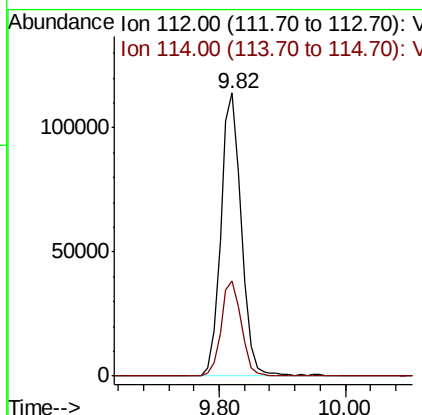
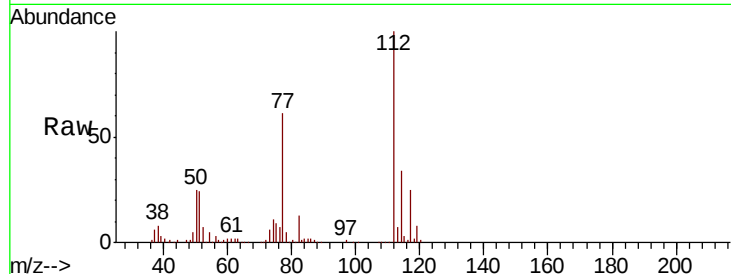
#65
Chlorobenzene
Concen: 48.652 ug/l
RT: 9.82 min Scan# 932
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 258327
Ion Ratio Lower Upper
112 100
114 33.7 26.0 39.0

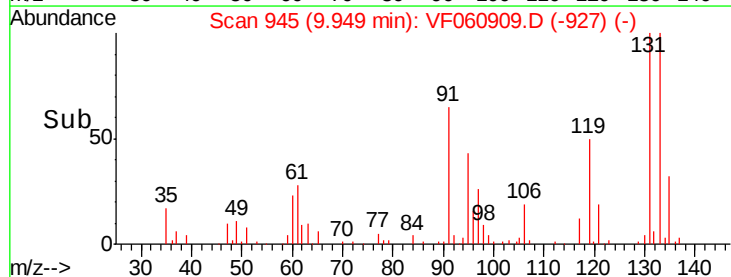
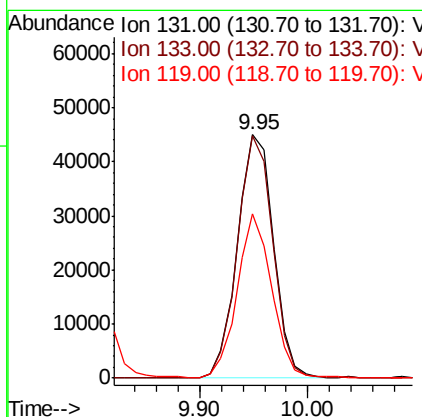
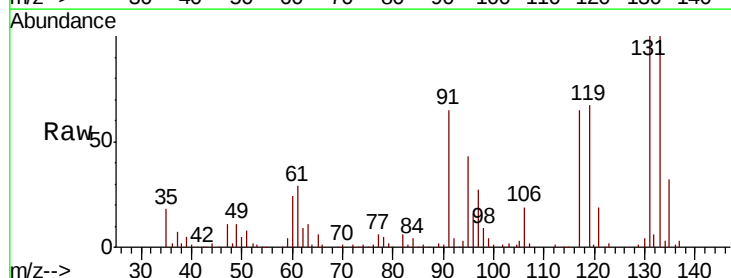
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#66
1,1,1,2-Tetrachloroethane
Concen: 46.076 ug/l
RT: 9.95 min Scan# 945
Delta R.T. -0.02 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Tgt Ion:131 Resp: 105174
Ion Ratio Lower Upper
131 100
133 99.6 46.5 139.3
119 67.4 31.1 93.3





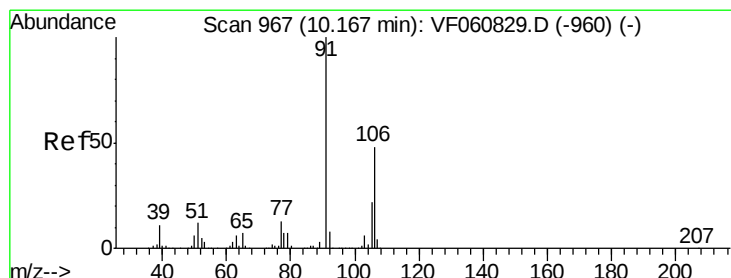
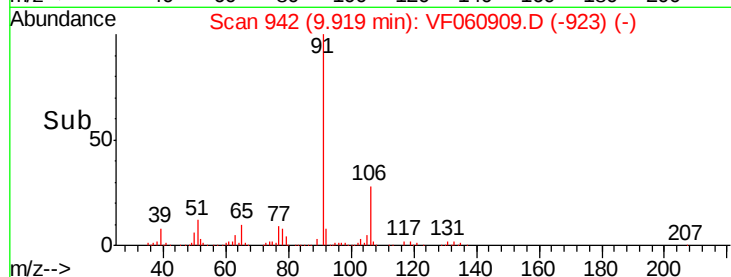
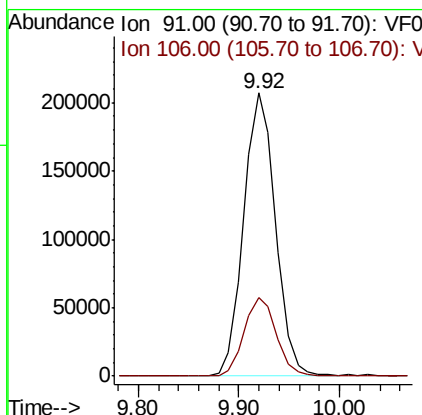
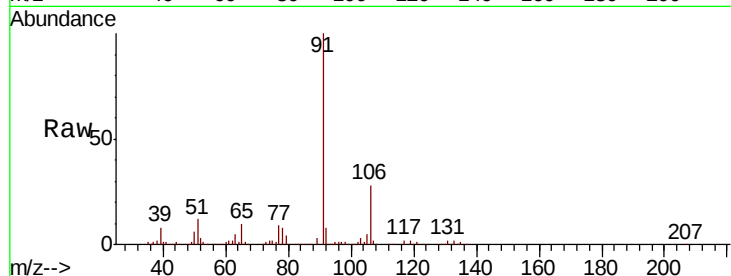
#67
Ethyl Benzene
Concen: 46.087 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 455566
Ion Ratio Lower Upper
91 100
106 27.8 22.2 33.2

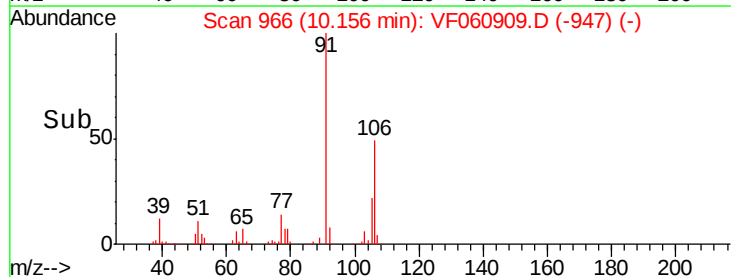
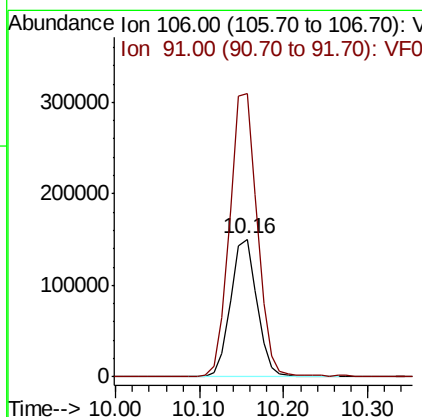
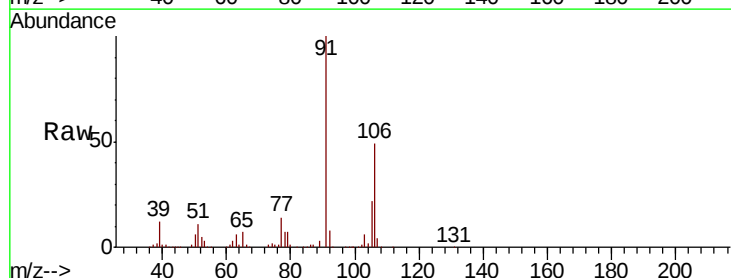
Manual Integrations
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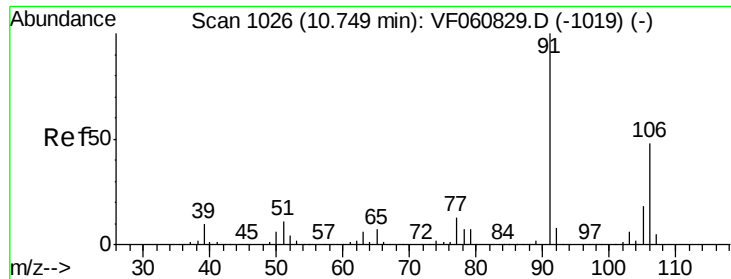
apatel
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#68
m/p-Xylenes
Concen: 93.310 ug/l
RT: 10.16 min Scan# 966
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Tgt Ion: 106 Resp: 331739
Ion Ratio Lower Upper
106 100
91 205.4 166.7 250.1





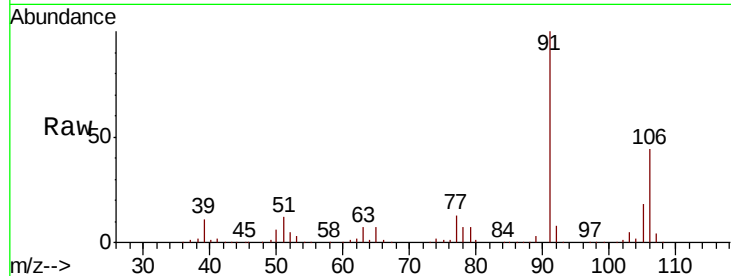
#69
o-Xylene
Concen: 49.536 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. -0.02 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

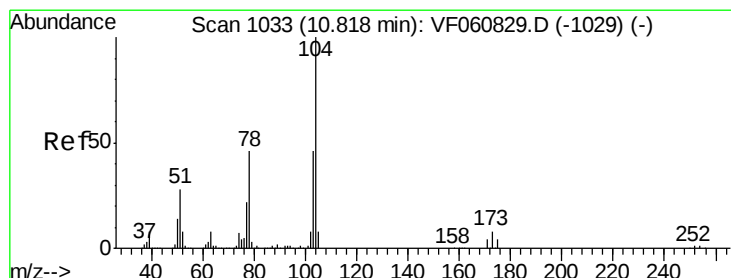
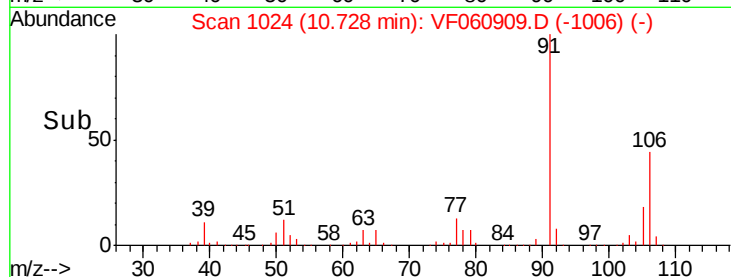
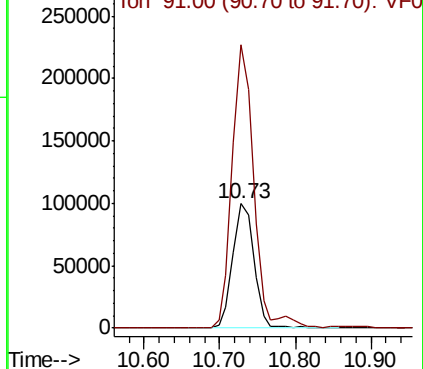
Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	227.9	104.8	194199	314.6	

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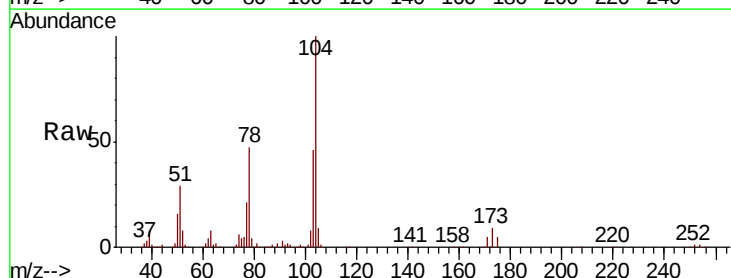


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

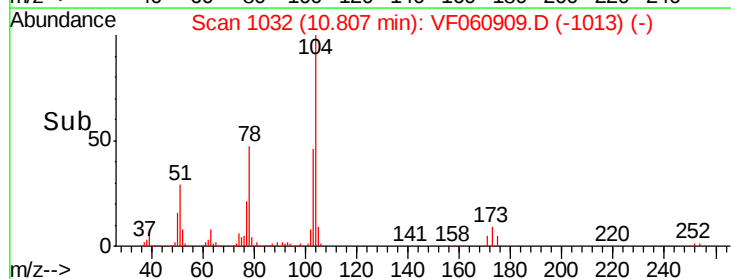
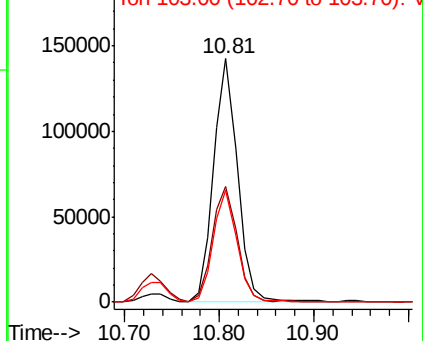


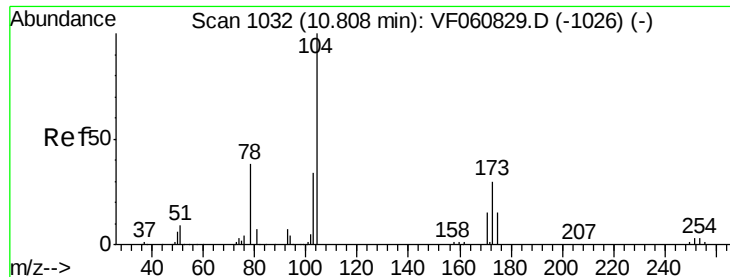
#70
Styrene
Concen: 46.042 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	47.3	37.3	250215	55.9	
103	45.7	36.8		55.2	



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V





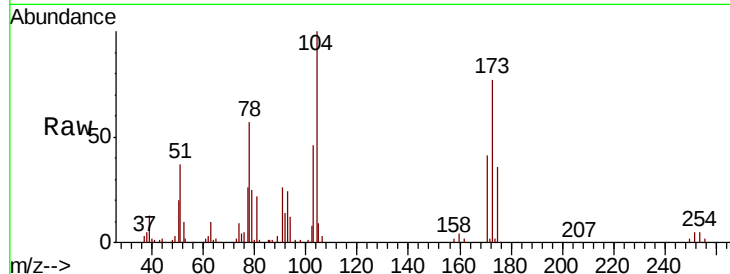
#71
Bromoform
Concen: 50.593 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.02 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.1	25.5	76.5
254	0.0	7.5	11.3

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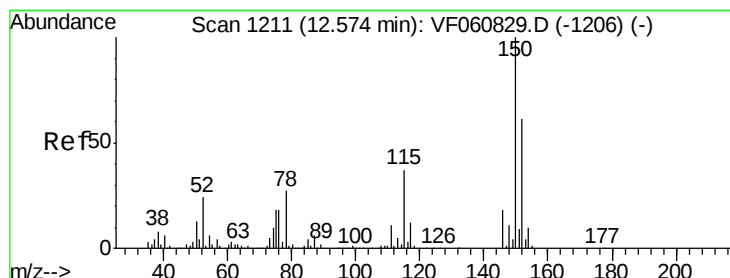
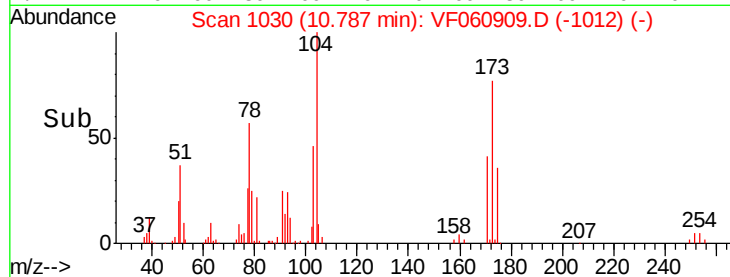
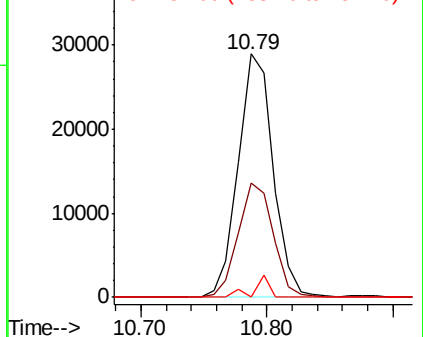


Abundance

Ion 173.00 (172.70 to 173.70): V

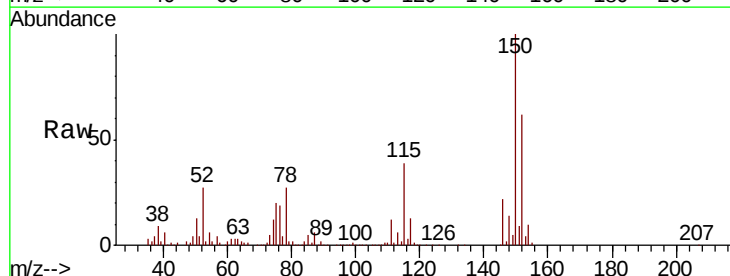
Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.4	30.1	90.5
150	160.0	0.0	327.6

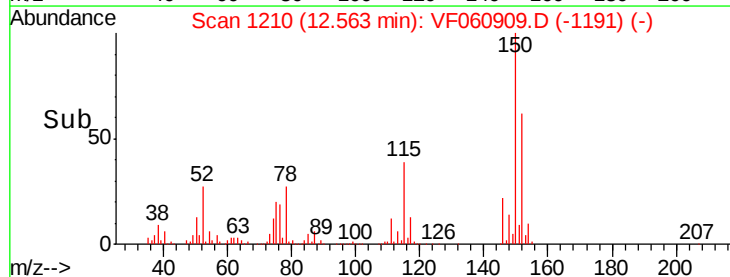
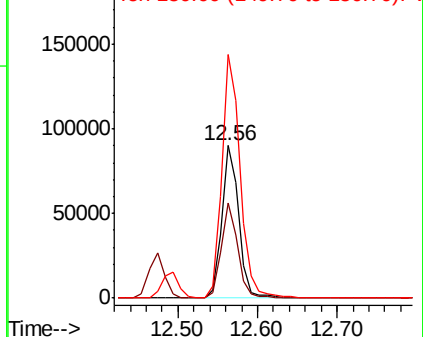


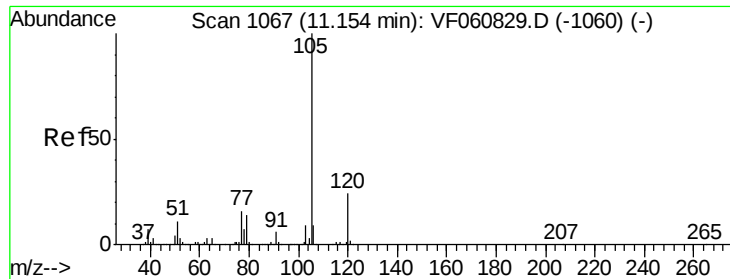
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 52.999 ug/l

RT: 11.14 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 565991

Ion Ratio Lower Upper

105 100

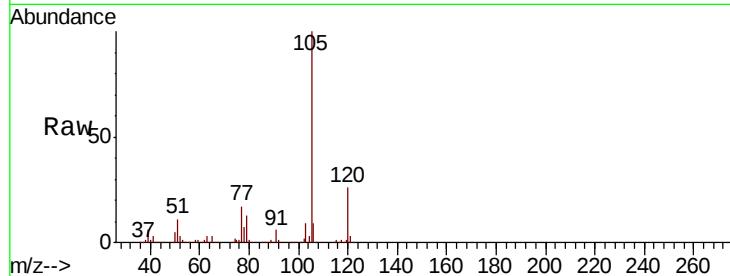
120 25.5 12.2 36.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.14

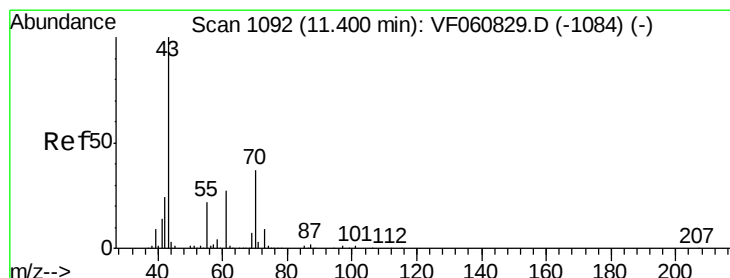
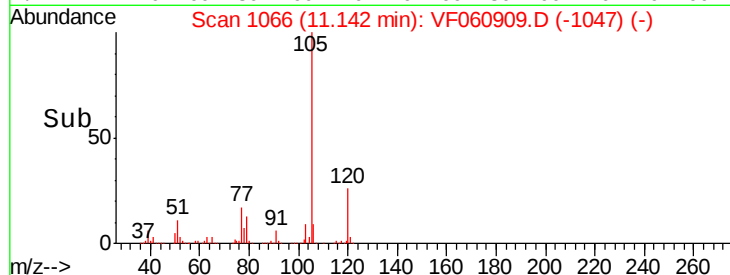
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 53.207 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Tgt Ion: 43 Resp: 131209

Ion Ratio Lower Upper

43 100

70 35.9 29.6 44.4

55 21.4 17.2 25.8

61 26.5 21.8 32.6

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

120000

100000

80000

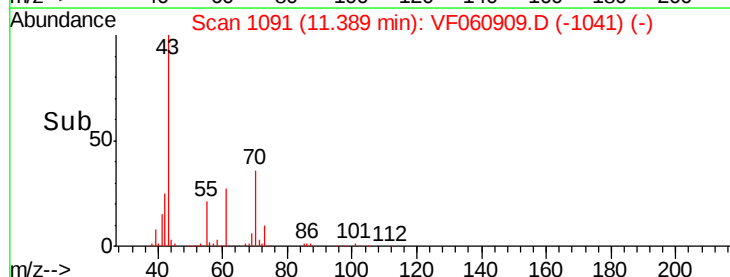
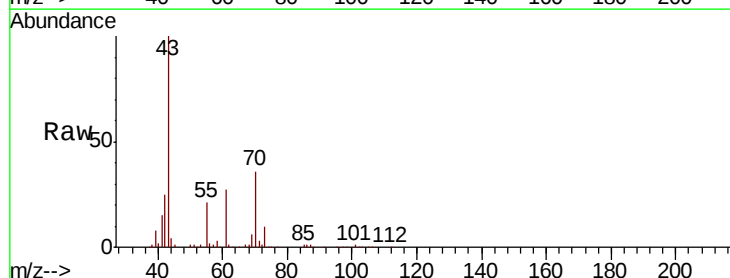
60000

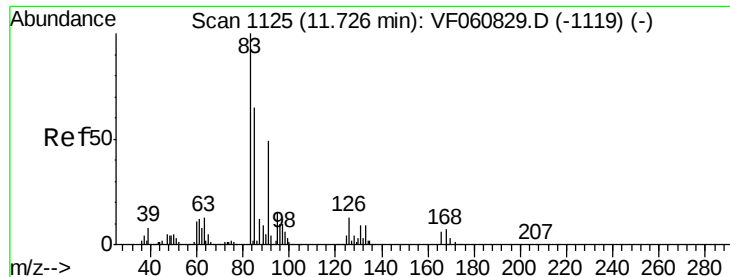
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 56.090 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

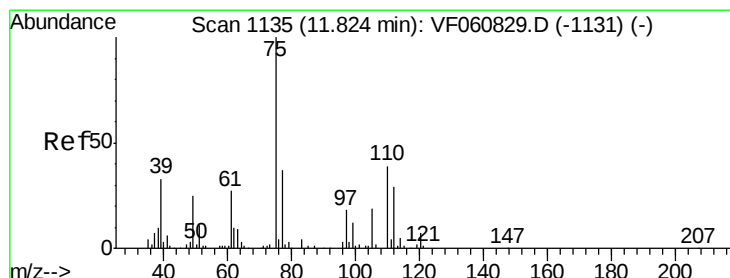
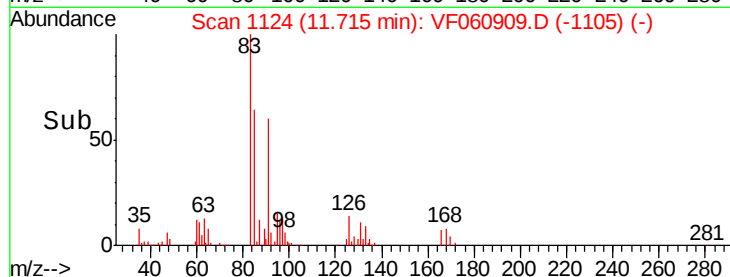
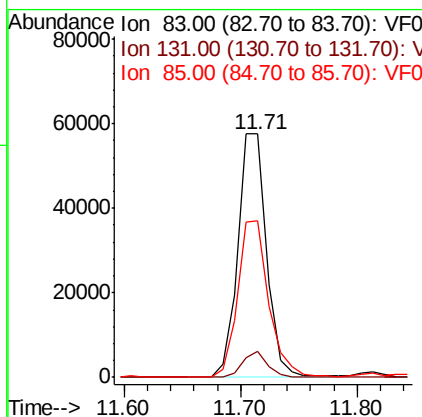
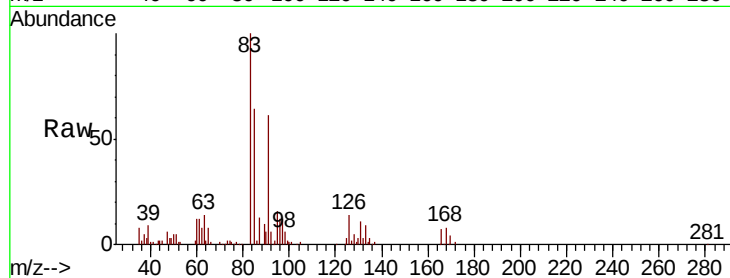
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	98583
Ion Ratio	Lower	Upper	
83	100		
131	10.5	4.7	14.1
85	64.4	32.6	97.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 55.350 ug/l

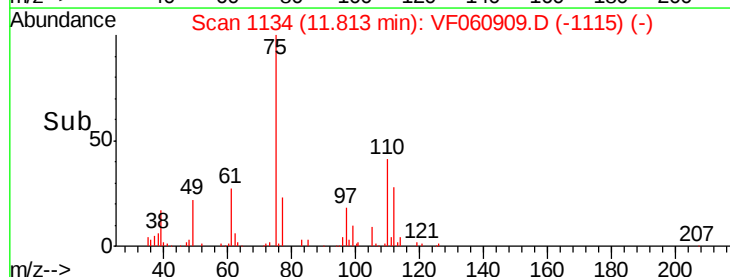
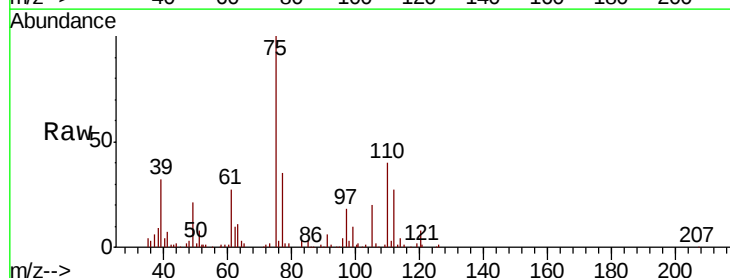
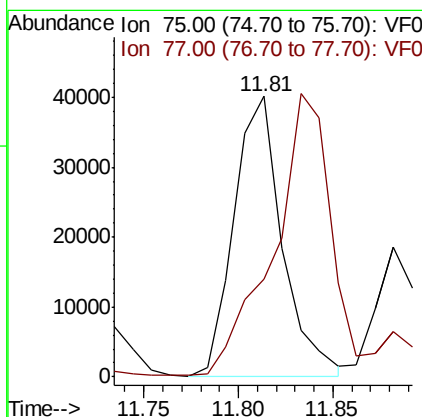
RT: 11.81 min Scan# 1134

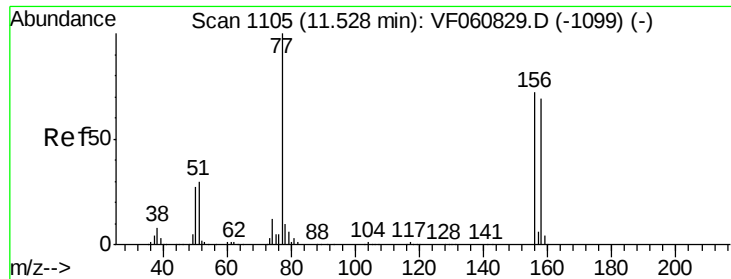
Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Tgt Ion:	75	Resp:	70711
Ion Ratio	Lower	Upper	
75	100		
77	35.0	18.4	55.4





#77

Bromobenzene

Concen: 49.258 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. -0.02 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

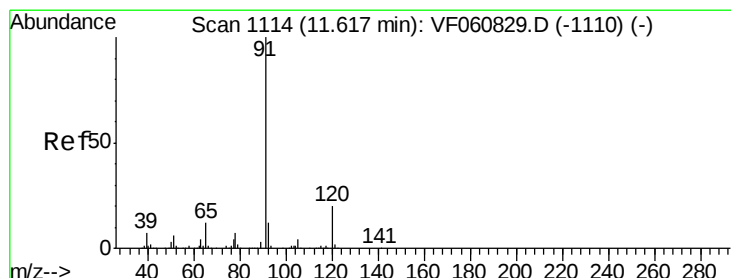
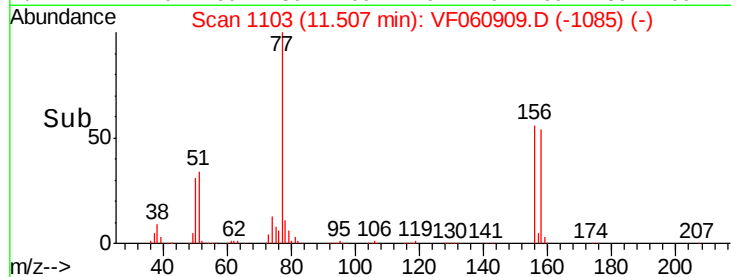
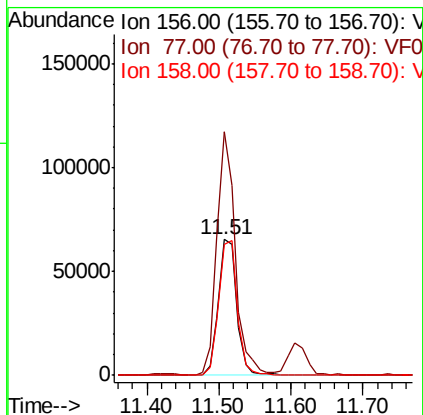
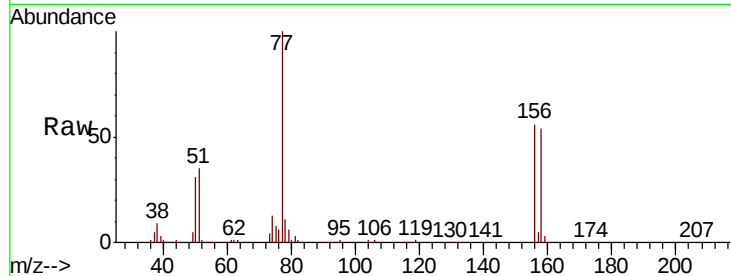
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	179.3	69.7	209.0	
158	96.1	47.8	143.4	

Manual Integrations
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#78

n-propylbenzene

Concen: 49.215 ug/l

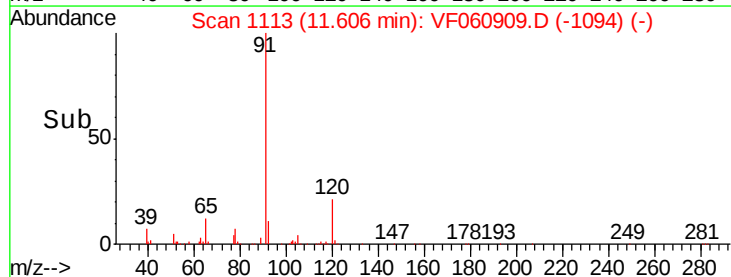
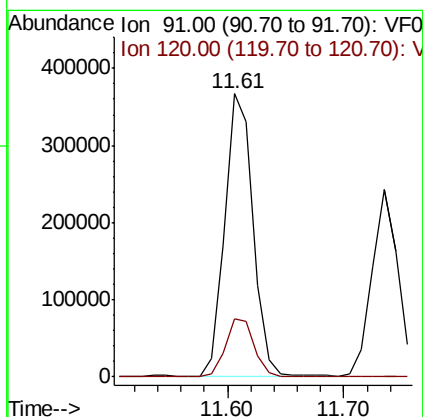
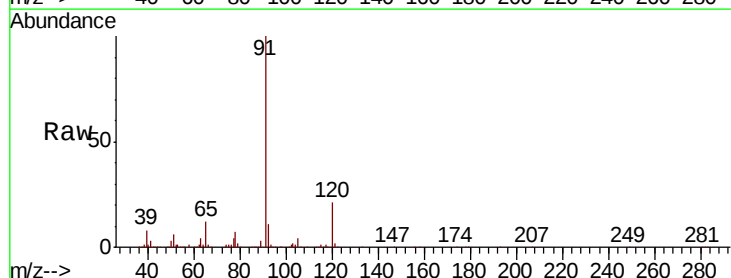
RT: 11.61 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.7	10.3	30.8	





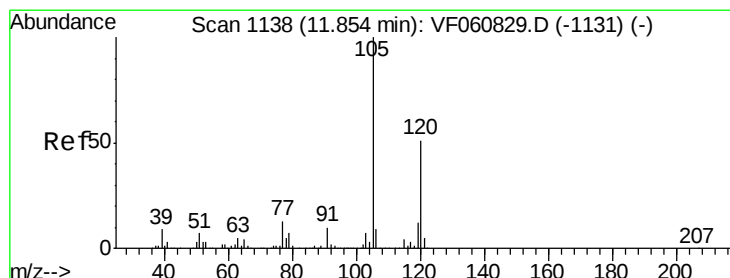
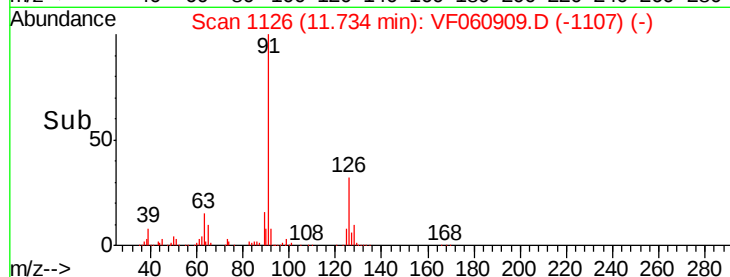
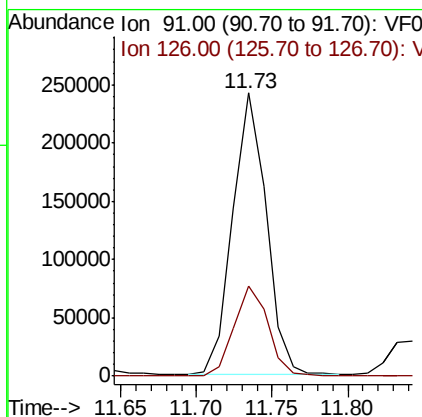
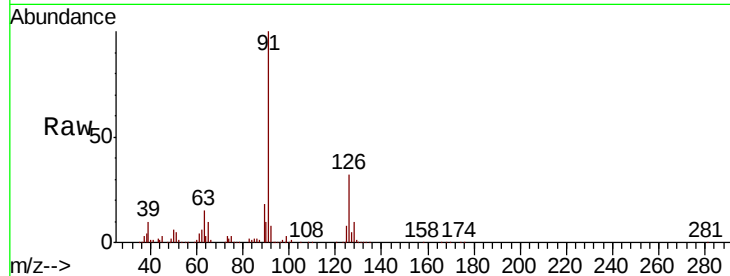
#79
 2-Chlorotoluene
 Concen: 52.163 ug/l
 RT: 11.73 min Scan# 1126
 Delta R.T. -0.01 min
 Lab File: VF060909.D
 Acq: 4 Dec 2018 00:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.9	47.6

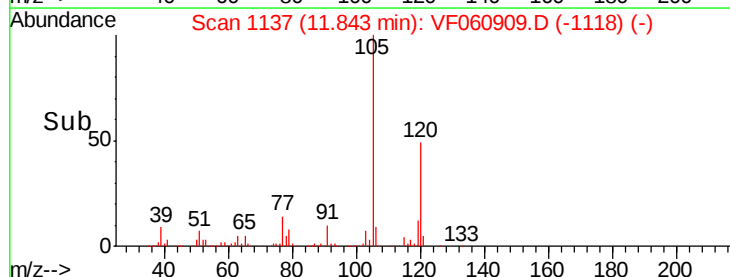
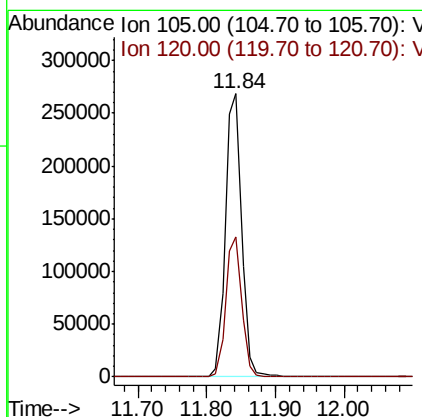
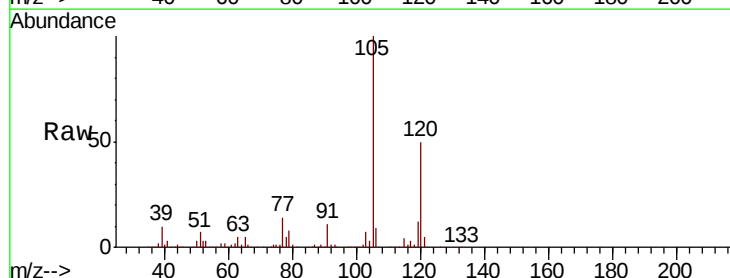
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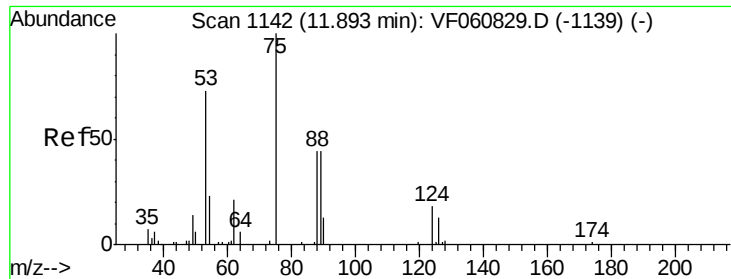
apatel
 12/4/2018 2:52:41 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 50.920 ug/l
 RT: 11.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VF060909.D
 Acq: 4 Dec 2018 00:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.7	25.8	77.3





#81

trans-1,4-Dichloro-2-butene

Concen: 47.295 ug/l m

RT: 11.88 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

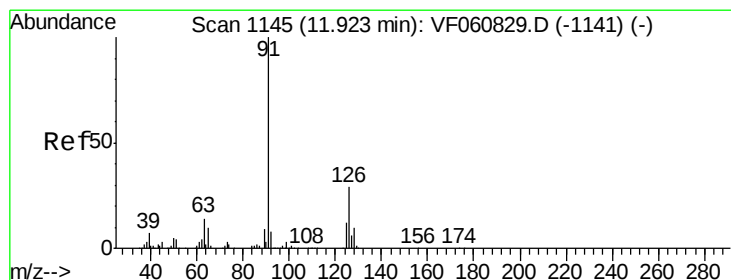
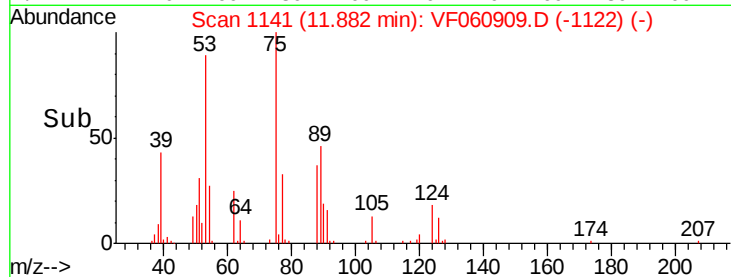
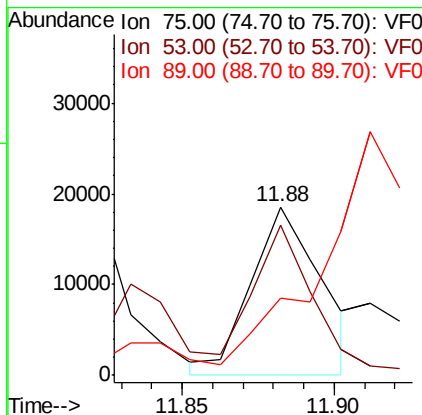
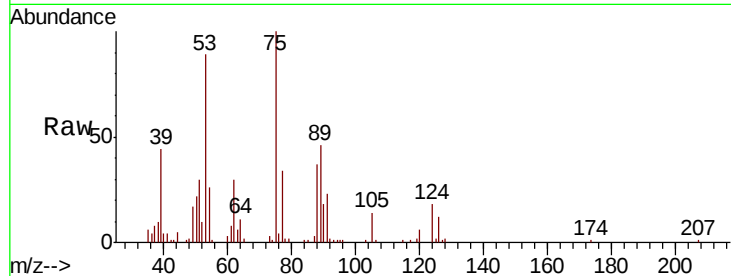
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	29604
Ion	Ratio	Lower	Upper
75	100		
53	89.0	65.9	98.9
89	45.8	38.8	58.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.424 ug/l

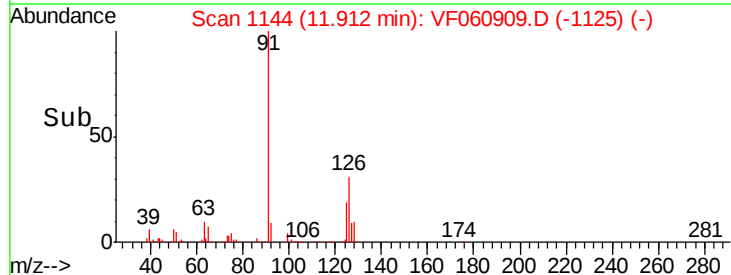
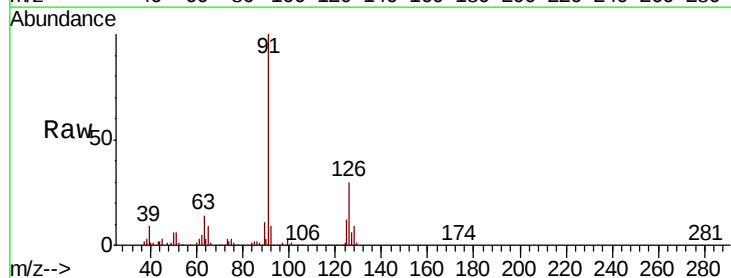
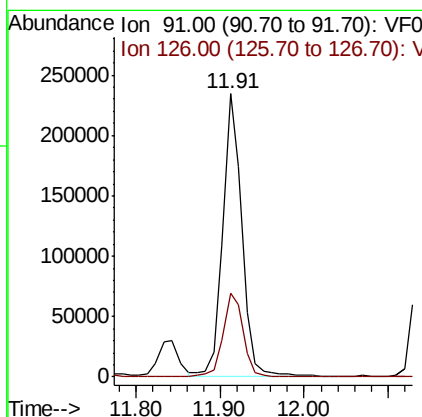
RT: 11.91 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Tgt Ion:	91	Resp:	365435
Ion	Ratio	Lower	Upper
91	100		
126	29.5	14.8	44.4





#83

tert-Butylbenzene

Concen: 51.411 ug/l

RT: 12.15 min Scan# 1168

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

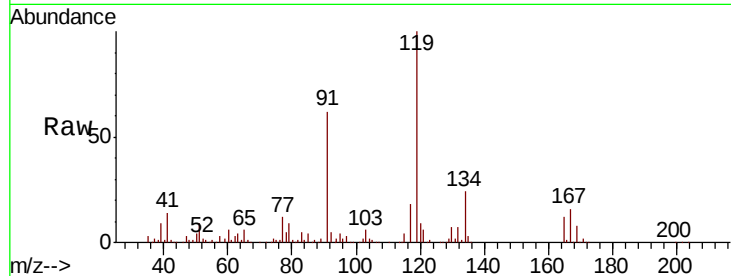
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	454018
Ion Ratio	Lower	Upper	
119	100		
91	62.4	30.1	90.3
134	24.0	12.6	37.8

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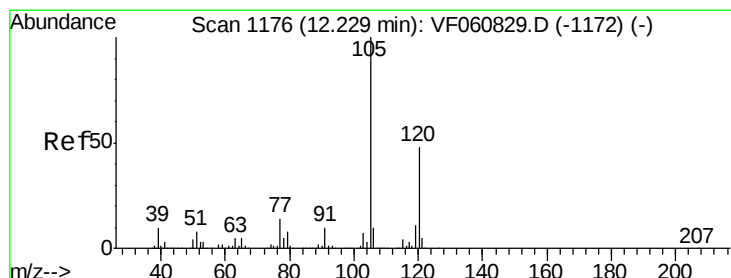
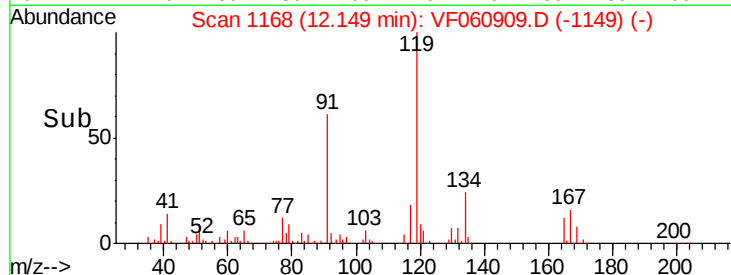
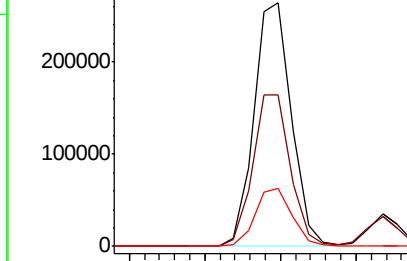
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.896 ug/l

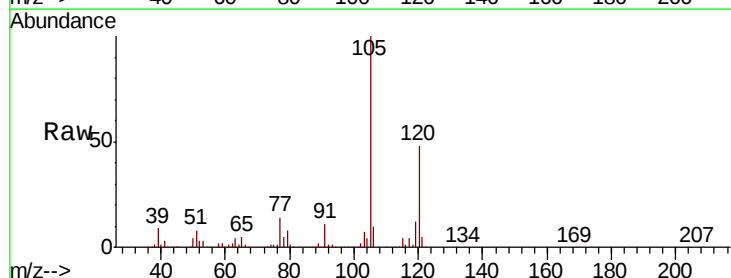
RT: 12.22 min Scan# 1175

Delta R.T. -0.01 min

Lab File: VF060909.D

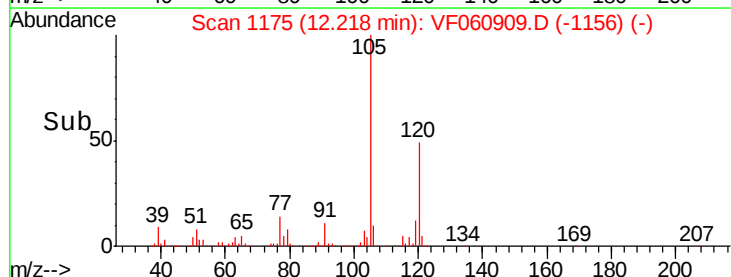
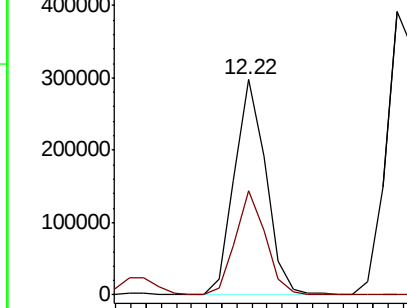
Acq: 4 Dec 2018 00:07

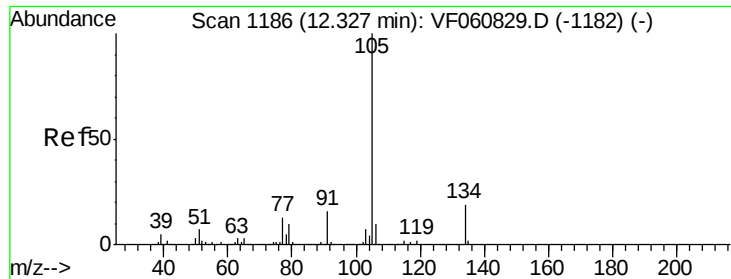
Tgt Ion:	105	Resp:	431728
Ion Ratio	Lower	Upper	
105	100		
120	48.5	23.8	71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.329 ug/l

RT: 12.32 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 608446

Ion Ratio Lower Upper

105 100

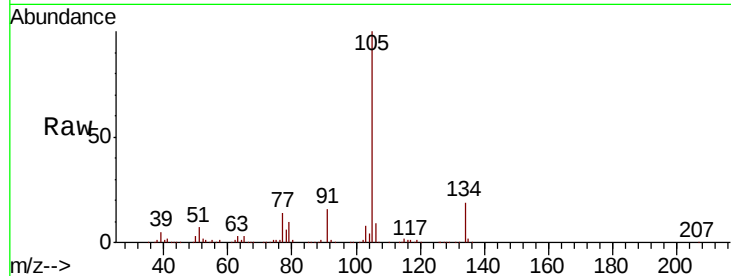
134 18.7 9.5 28.5

Manual Integrations

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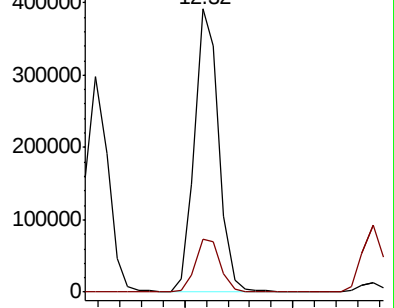
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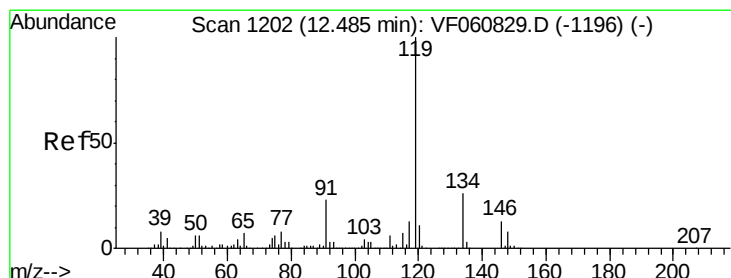
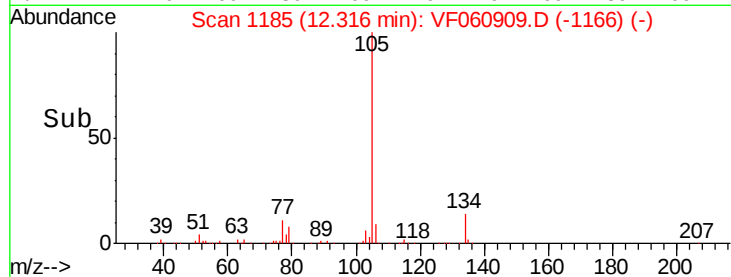


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 51.046 ug/l

RT: 12.47 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

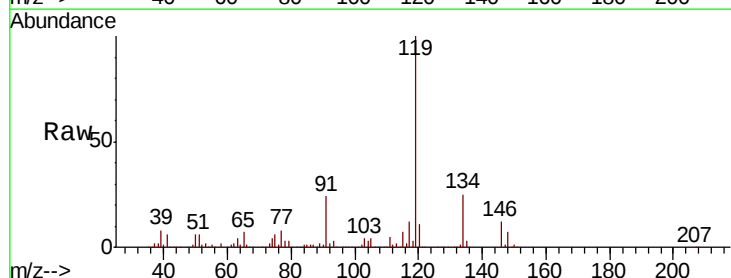
Tgt Ion:119 Resp: 517379

Ion Ratio Lower Upper

119 100

134 25.3 12.9 38.6

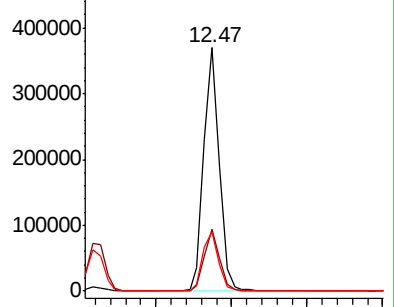
91 24.2 11.8 35.3



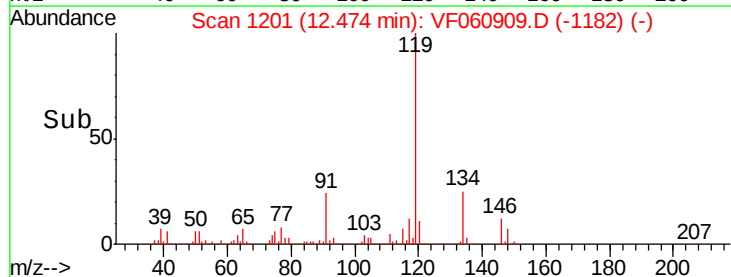
Abundance Ion 119.00 (118.70 to 119.70): V

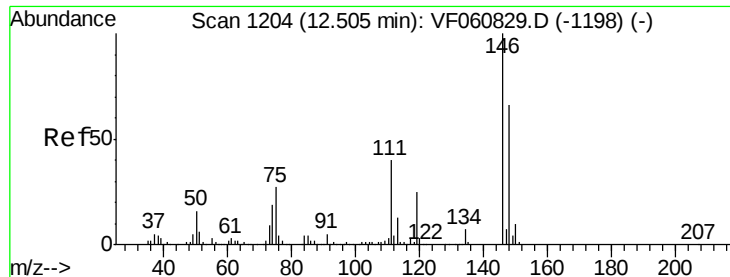
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0



Time-->





#87

1,3-Dichlorobenzene

Concen: 48.608 ug/l

RT: 12.49 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Instrument :

MSVOA_F

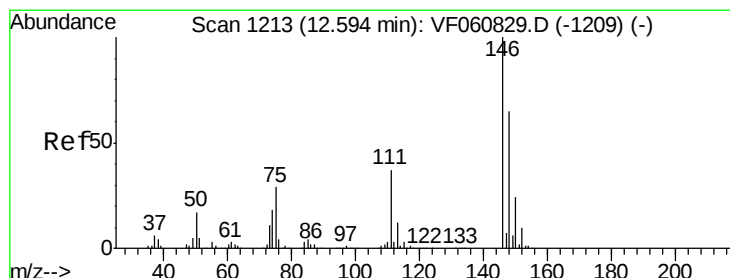
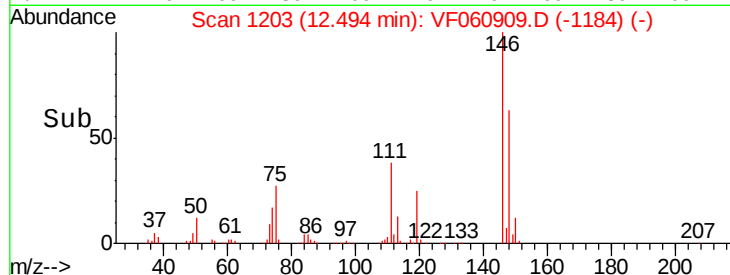
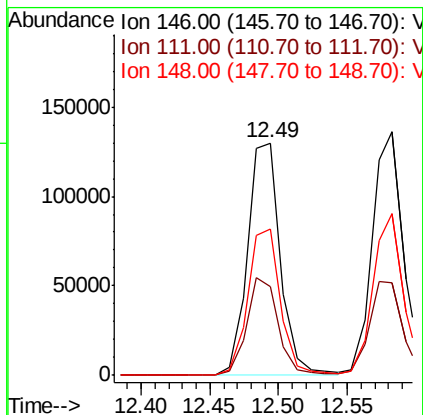
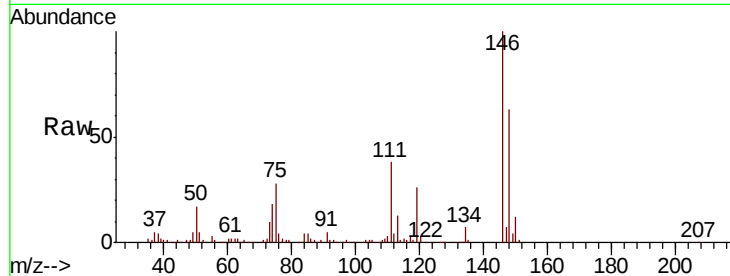
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	216478
Ion Ratio	Lower	Upper	
146	100		
111	38.0	20.0	59.9
148	63.2	32.9	98.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.597 ug/l

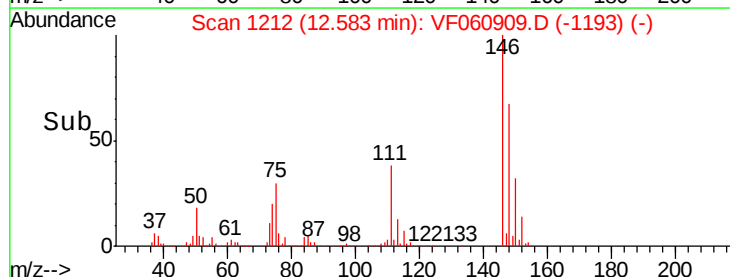
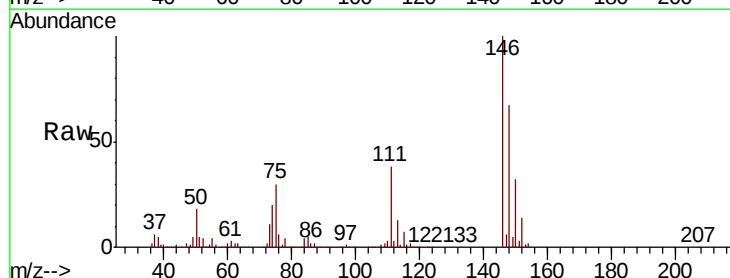
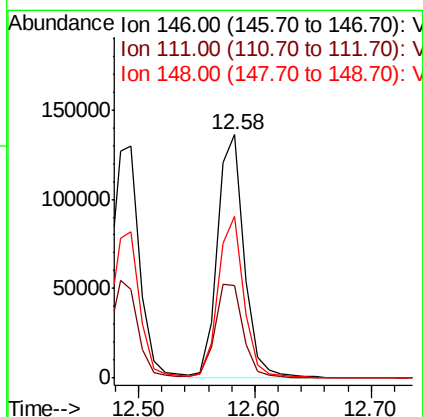
RT: 12.58 min Scan# 1212

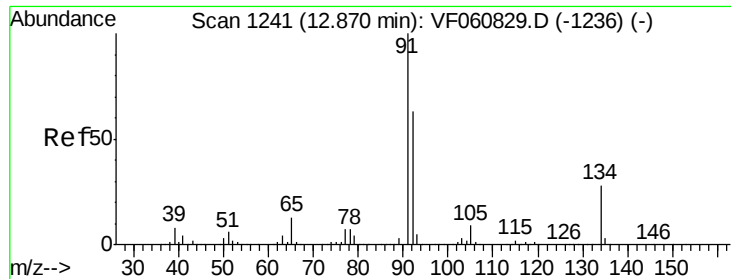
Delta R.T. -0.01 min

Lab File: VF060909.D

Acq: 4 Dec 2018 00:07

Tgt Ion:	146	Resp:	215258
Ion Ratio	Lower	Upper	
146	100		
111	37.9	18.9	56.7
148	66.5	32.3	96.9





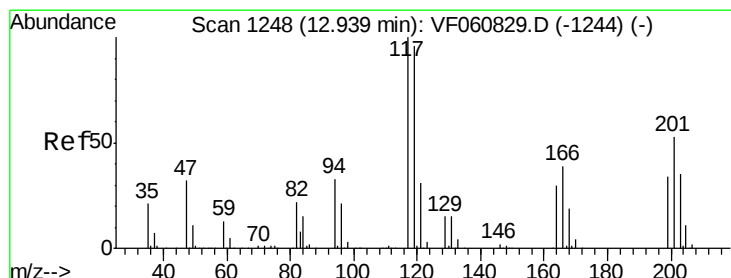
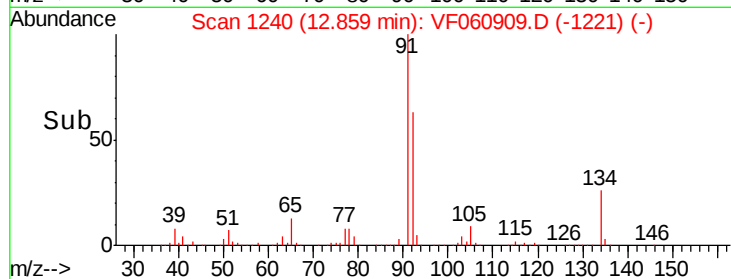
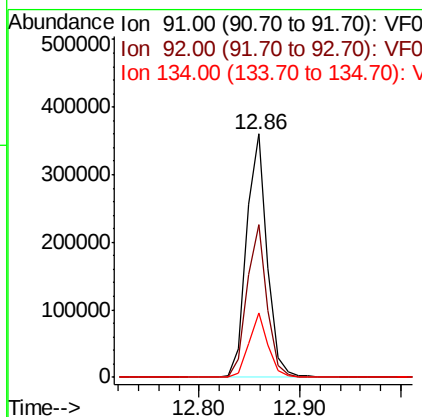
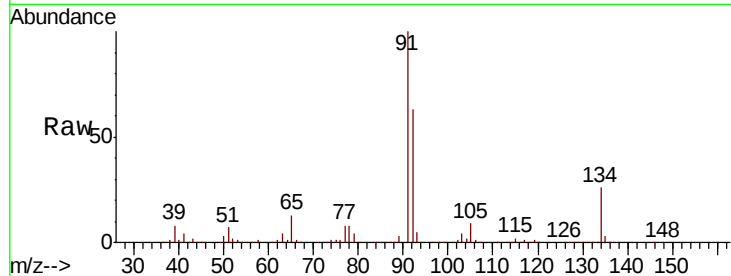
#89
n-Butylbenzene
Concen: 50.073 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	63.0	31.6	94.7
134	26.3	13.8	41.4

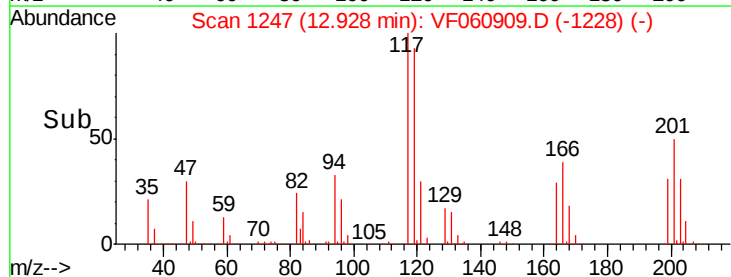
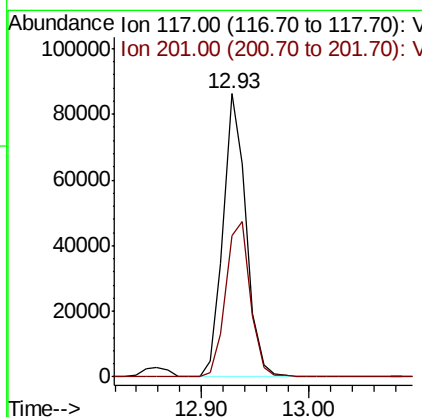
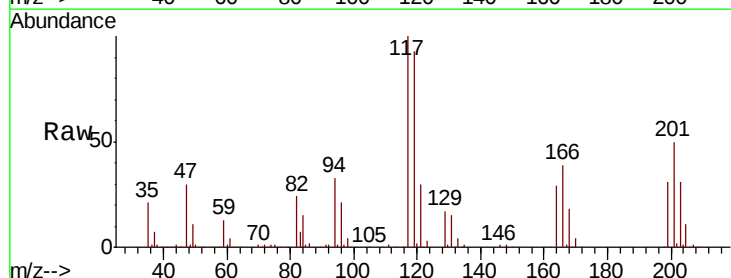
Manual Integrations
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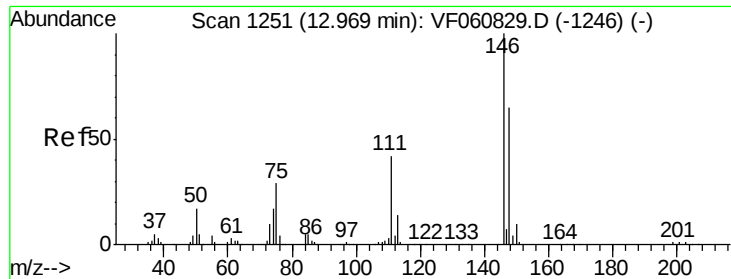
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#90
Hexachloroethane
Concen: 52.380 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	49.8	26.7	80.1





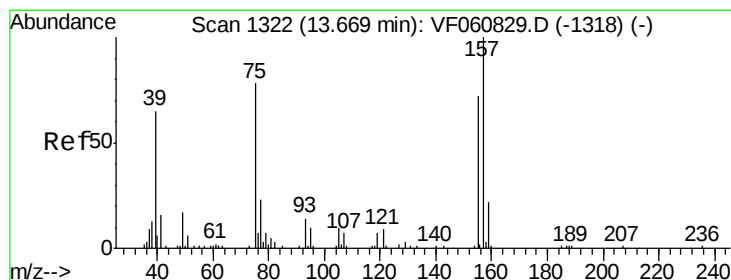
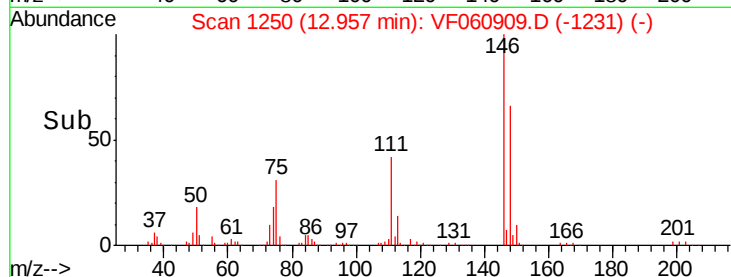
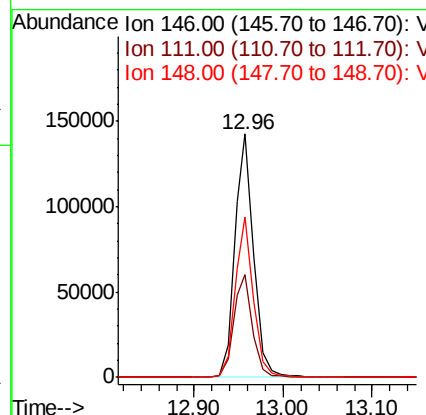
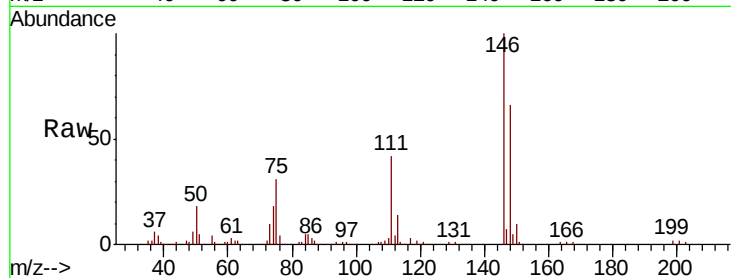
#91
 1,2-Dichlorobenzene
 Concen: 50.605 ug/l
 RT: 12.96 min Scan# 1250
 Delta R.T. -0.01 min
 Lab File: VF060909.D
 Acq: 4 Dec 2018 00:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.2	63.6
148	66.0	32.5	97.5

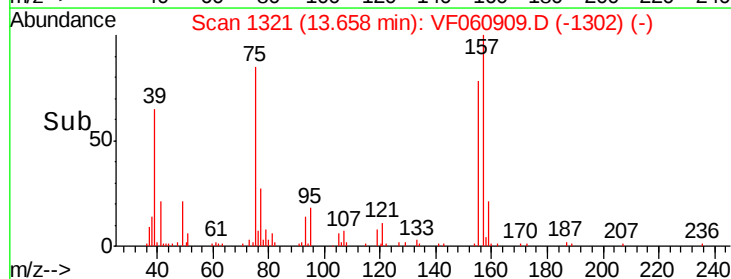
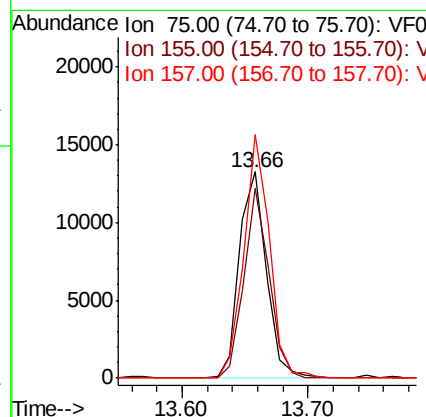
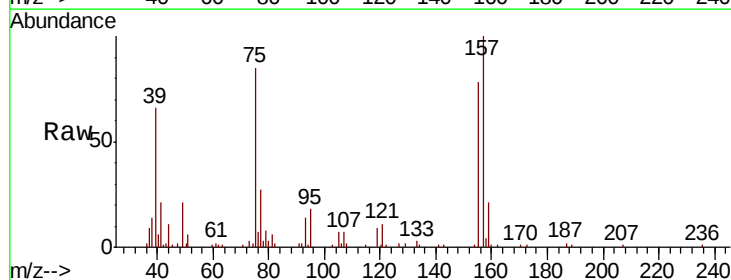
Manual Integrations
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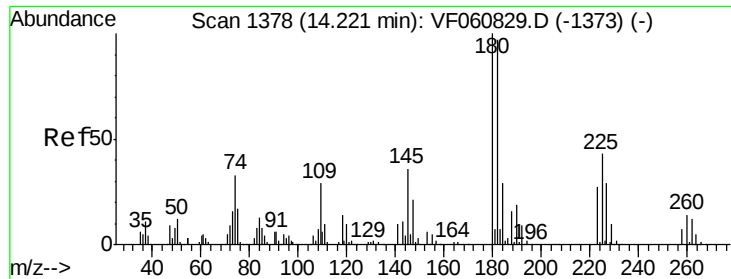
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.685 ug/l
 RT: 13.66 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VF060909.D
 Acq: 4 Dec 2018 00:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.0	45.6	136.9
157	118.2	63.8	191.5





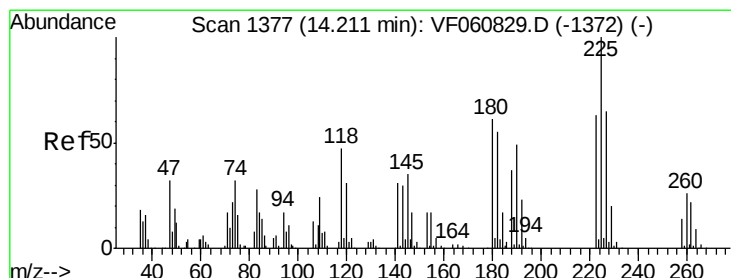
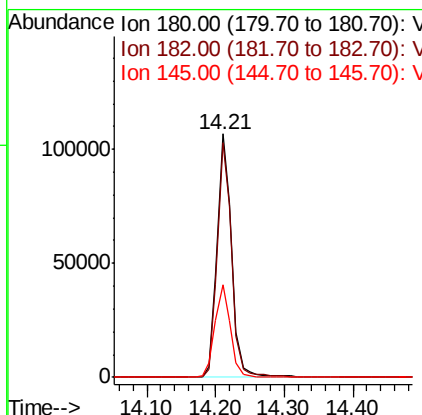
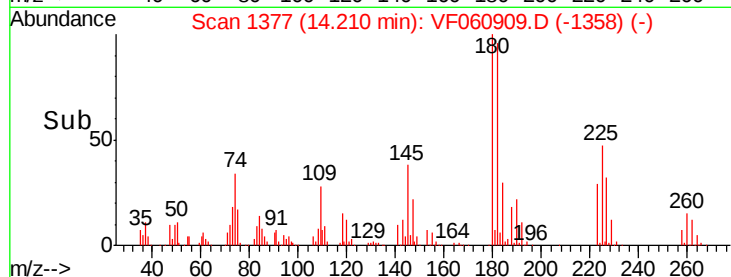
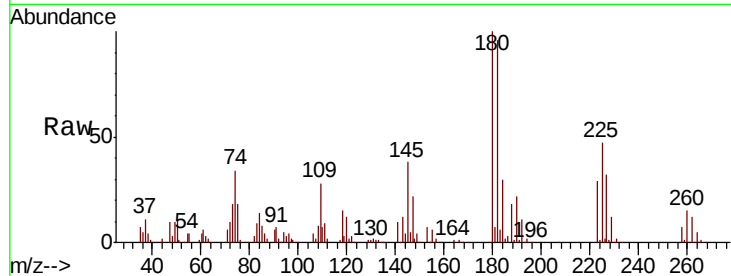
#93
 1,2,4-Trichlorobenzene
 Concen: 53.340 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: VF060909.D
 Acq: 4 Dec 2018 00:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	157184		
182	96.3	48.5	145.5	
145	38.0	18.1	54.3	

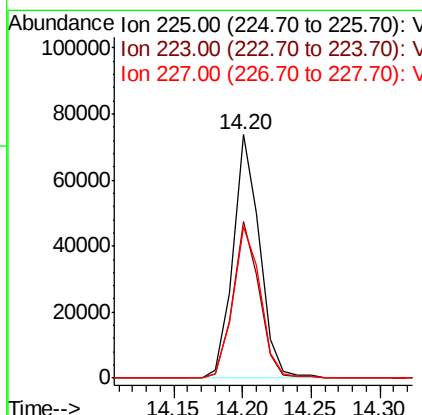
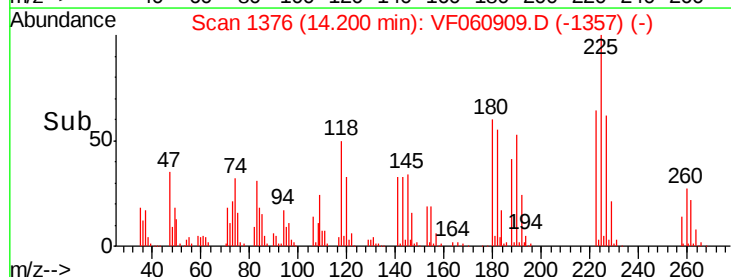
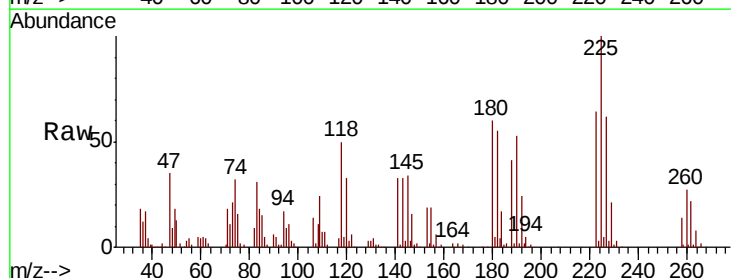
Manual Integrations
 APPROVED

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 12/4/2018 2:52:41 PM



#94
 Hexachlorobutadiene
 Concen: 50.470 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF060909.D
 Acq: 4 Dec 2018 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	99145		
223	64.4	31.4	94.3	
227	62.1	32.5	97.5	





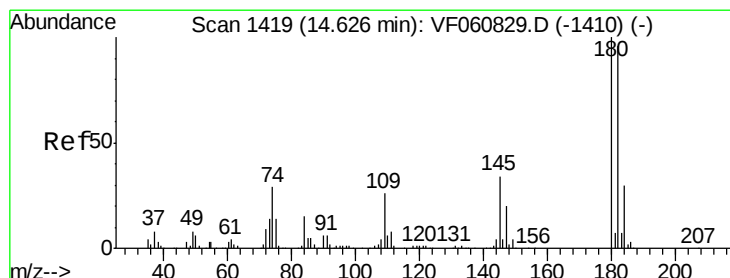
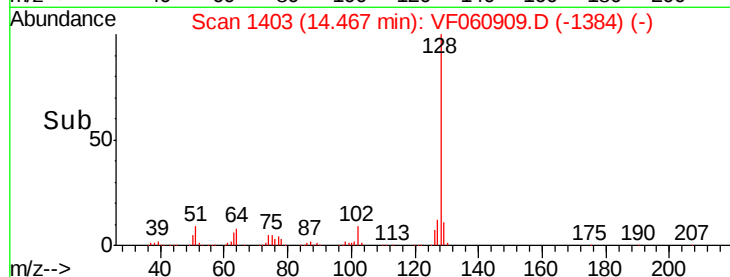
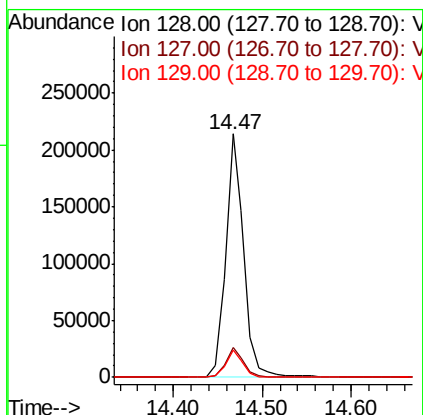
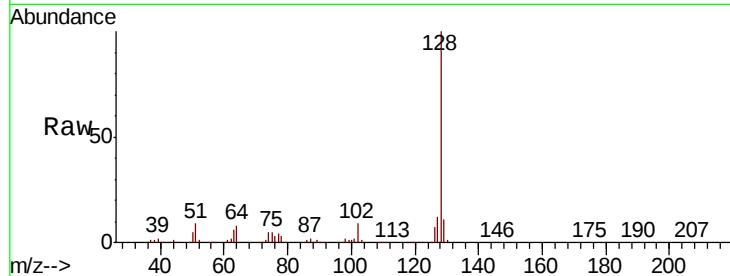
#95
Naphthalene
Concen: 53.620 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.9	14.9
129	11.1	9.1	13.7

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 54.639 ug/l
RT: 14.61 min Scan# 1418
Delta R.T. -0.01 min
Lab File: VF060909.D
Acq: 4 Dec 2018 00:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.9	143.8
145	36.5	17.2	51.5

