

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112018\
 Data File : VF060816.D
 Acq On : 20 Nov 2018 21:33
 Operator : VA/AP
 Sample : J5981-04MSD
 Misc : 4.66g/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 DTW-02(11-13)MSD

Manual Integrations
 APPROVED

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 11/21/2018 2:41:07 PM

Quant Time: Nov 21 03:36:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	172620	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	261328	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	232700	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	99233	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	78183	39.71	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	79.42%	
35) Dibromofluoromethane	4.11	113	99449	50.63	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.26%	
50) Toluene-d8	7.56	98	275788	55.08	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	110.16%	
62) 4-Bromofluorobenzene	11.41	95	115864	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	135620	43.90	ug/l	97
3) Chloromethane	1.10	50	88412	46.15	ug/l	93
4) Vinyl Chloride	1.15	62	73155	42.68	ug/l	96
5) Bromomethane	1.33	94	53720	49.34	ug/l	94
6) Chloroethane	1.37	64	37916	56.54	ug/l	95
7) Trichlorofluoromethane	1.49	101	184408	48.66	ug/l	99
8) Diethyl Ether	1.63	74	26143	53.84	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.82	101	92009	51.52	ug/l	96
10) Methyl Iodide	1.89	142	130377	45.50	ug/l	92
11) Tert butyl alcohol	2.57	59	17973	200.57	ug/l	97
12) 1,1-Dichloroethene	1.78	96	65023	46.17	ug/l	99
13) Acrolein	2.00	56	10479	127.90	ug/l	96
14) Allyl chloride	2.10	41	118592	48.07	ug/l	# 82
15) Acrylonitrile	2.94	53	45097	236.18	ug/l	91
16) Acetone	2.24	43	107707	255.93	ug/l	96
17) Carbon Disulfide	1.83	76	124108m	29.16	ug/l	
18) Methyl Acetate	2.35	43	40855m	59.12	ug/l	
19) Methyl tert-butyl Ether	2.43	73	165194	48.90	ug/l	97
20) Methylene Chloride	2.18	84	67864	48.43	ug/l	97
21) trans-1,2-Dichloroethene	2.31	96	53859	36.60	ug/l	98
22) Diisopropyl ether	2.80	45	279895	58.76	ug/l	96
23) Vinyl Acetate	3.19	43	485971	216.66	ug/l	100
24) 1,1-Dichloroethane	2.87	63	155614	53.96	ug/l	98
25) 2-Butanone	4.33	43	165454	239.02	ug/l	95
26) 2,2-Dichloropropane	3.60	77	104893	46.22	ug/l	97
27) cis-1,2-Dichloroethene	3.48	96	107008	42.75	ug/l	95
28) Bromochloromethane	3.72	49	67143	44.80	ug/l	99
29) Tetrahydrofuran	4.08	42	68394	239.53	ug/l	97
30) Chloroform	3.86	83	212154	45.85	ug/l	99
31) Cyclohexane	3.70	56	159839	45.67	ug/l	98
32) 1,1,1-Trichloroethane	4.11	97	184354	50.60	ug/l	98
36) 1,1-Dichloropropene	4.28	75	146330	48.28	ug/l	98
37) Ethyl Acetate	4.11	43	60495	53.69	ug/l	87
38) Carbon Tetrachloride	4.00	117	161263	54.84	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	154533	43.95	ug/l	98
40) Benzene	4.64	78	380281	56.29	ug/l	99
41) Methacrylonitrile	4.75	41	31367	52.42	ug/l #	94
42) 1,2-Dichloroethane	4.94	62	110207	47.20	ug/l	100
43) Isopropyl Acetate	6.97	43	79992	53.54	ug/l	96
44) Trichloroethene	5.51	130	102783	48.22	ug/l	94
45) 1,2-Dichloropropane	6.24	63	102251	58.16	ug/l	98
46) Dibromomethane	6.09	93	53957	46.49	ug/l	92
47) Bromodichloromethane	6.39	83	153952	51.95	ug/l	99
48) Methyl methacrylate	6.72	41	55178	55.81	ug/l	95
49) 1,4-Dioxane	6.71	88	9004	973.72	ug/l #	84
51) 4-Methyl-2-Pentanone	8.26	43	302749	280.19	ug/l	99
52) Toluene	7.63	92	229706	50.74	ug/l	98
53) t-1,3-Dichloropropene	8.29	75	97622	41.13	ug/l	99
54) cis-1,3-Dichloropropene	7.31	75	138901	45.05	ug/l	99
55) 1,1,2-Trichloroethane	8.49	97	68401	52.88	ug/l	98
56) Ethyl methacrylate	8.62	69	78445	53.40	ug/l	96
57) 1,3-Dichloropropane	8.86	76	116257	51.86	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.63	63	33538	249.91	ug/l	100
59) 2-Hexanone	9.50	43	230316	303.31	ug/l	98
60) Dibromochloromethane	8.72	129	91274	49.51	ug/l	94
61) 1,2-Dibromoethane	9.00	107	64883	47.69	ug/l	99
64) Tetrachloroethene	8.16	164	100259	54.41	ug/l	99
65) Chlorobenzene	9.81	112	236724	50.41	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.93	131	110669	54.03	ug/l	97
67) Ethyl Benzene	9.91	91	449976	50.84	ug/l	100
68) m/p-Xylenes	10.14	106	320420	101.30	ug/l	96
69) o-Xylene	10.71	106	182597	51.34	ug/l	99
70) Styrene	10.79	104	236765	49.06	ug/l	96
71) Bromoform	10.77	173	44262	48.06	ug/l	98
73) Isopropylbenzene	11.13	105	491574	61.54	ug/l	99
74) N-amyl acetate	11.37	43	138434	76.13	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.70	83	85643	64.85	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	59706	60.88	ug/l	98
77) Bromobenzene	11.50	156	98541	59.27	ug/l	92
78) n-propylbenzene	11.60	91	537190	57.66	ug/l	99
79) 2-Chlorotoluene	11.72	91	325503	60.12	ug/l	93
80) 1,3,5-Trimethylbenzene	11.83	105	390009	61.50	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	20759m	43.08	ug/l	
82) 4-Chlorotoluene	11.91	91	286513	51.65	ug/l	97
83) tert-Butylbenzene	12.13	119	393819	58.49	ug/l	96
84) 1,2,4-Trimethylbenzene	12.21	105	381964	58.24	ug/l	99
85) sec-Butylbenzene	12.31	105	534960	58.57	ug/l	94
86) p-Isopropyltoluene	12.46	119	375545	49.23	ug/l	94
87) 1,3-Dichlorobenzene	12.48	146	166832	50.42	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	162594	51.13	ug/l	97
89) n-Butylbenzene	12.84	91	325368	41.79	ug/l	97
90) Hexachloroethane	12.92	117	96031	51.47	ug/l	97
91) 1,2-Dichlorobenzene	12.94	146	173752	55.77	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.64	75	16151	65.07	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	83468	37.28	ug/l	94
94) Hexachlorobutadiene	14.20	225	33508	22.90	ug/l	94
95) Naphthalene	14.46	128	476106	116.53	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	76484	36.96	ug/l	94

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

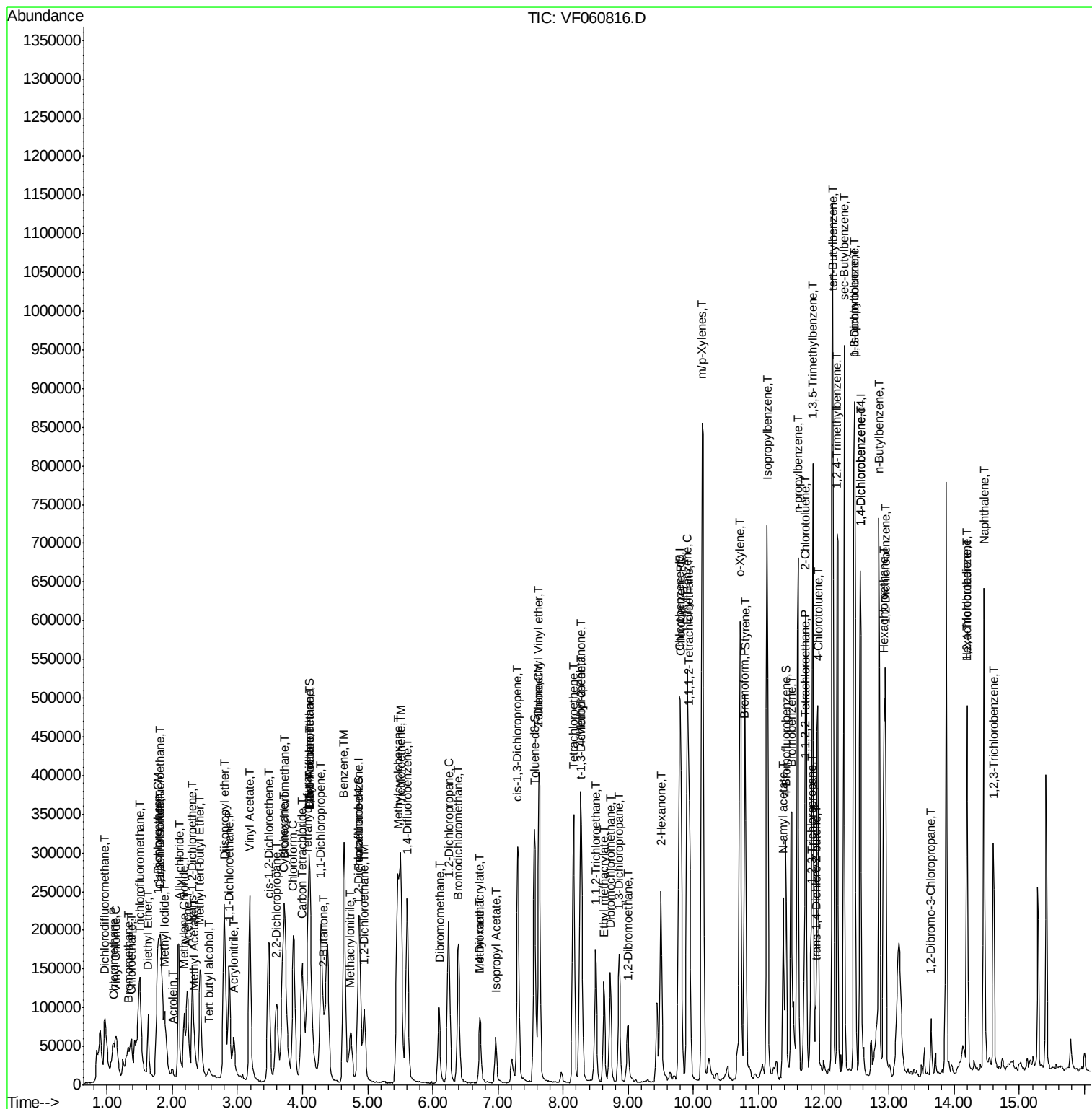
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF112018\
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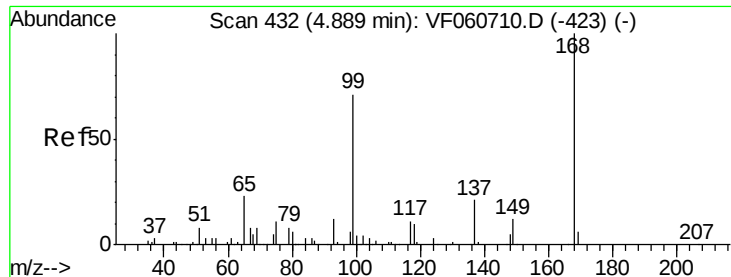
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF060816.D

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Instrument :

MSVOA_F

ClientSampleId :

DTW-02(11-13)MSD

Tgt Ion: 168 Resp: 172620

Ion Ratio Lower Upper

168 100

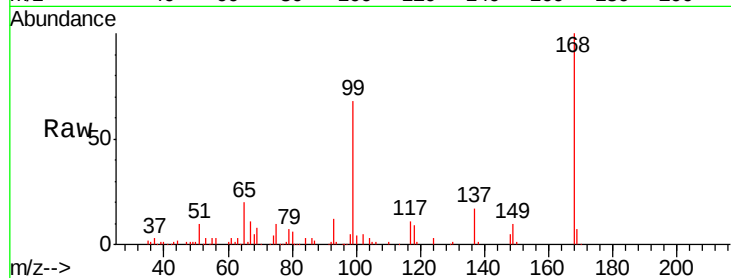
99 67.6 57.2 85.8

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

60000

50000

40000

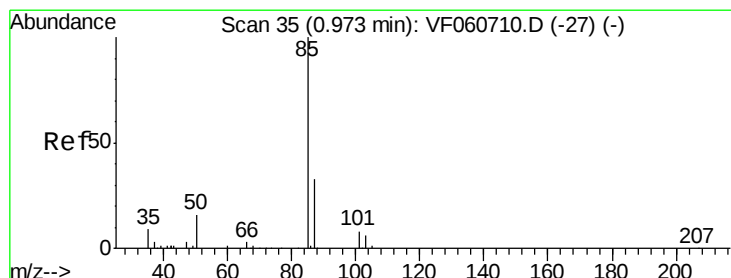
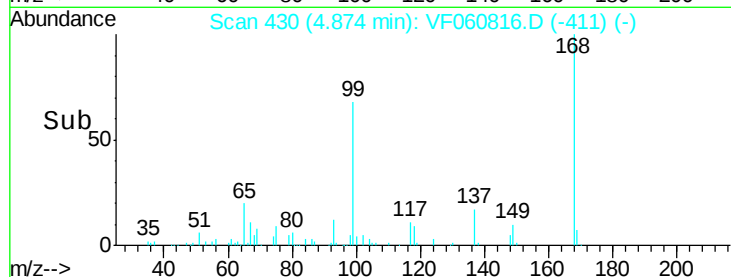
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.90 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF060816.D

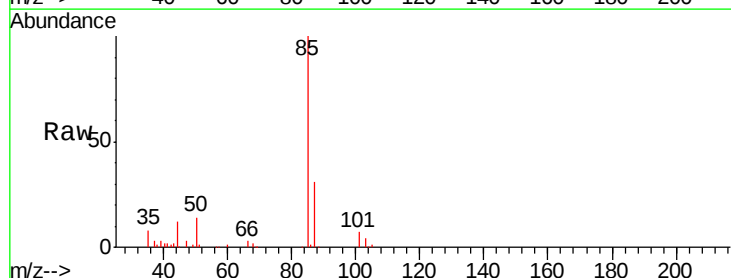
Acq: 20 Nov 2018 21:33

Tgt Ion: 85 Resp: 135620

Ion Ratio Lower Upper

85 100

87 31.0 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

40000

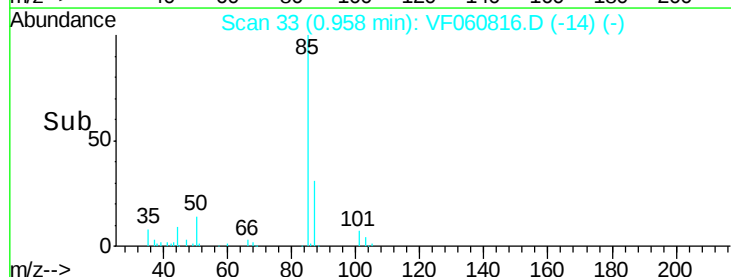
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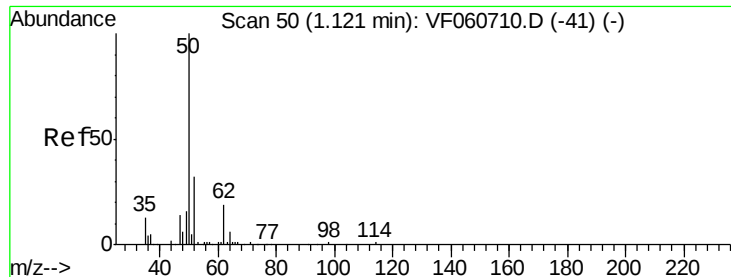
20000

10000

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Time-->





#3

Chloromethane

Concen: 46.15 ug/l

RT: 1.10 min Scan# 47

Delta R.T. -0.02 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Instrument :

MSVOA_F

ClientSampleId :

DTW-02(11-13)MSD

Tgt Ion: 50 Resp: 88412

Ion Ratio Lower Upper

50 100

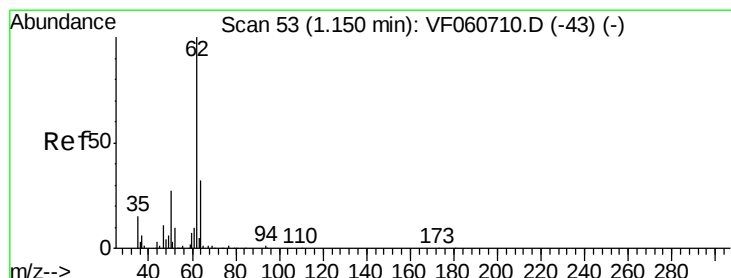
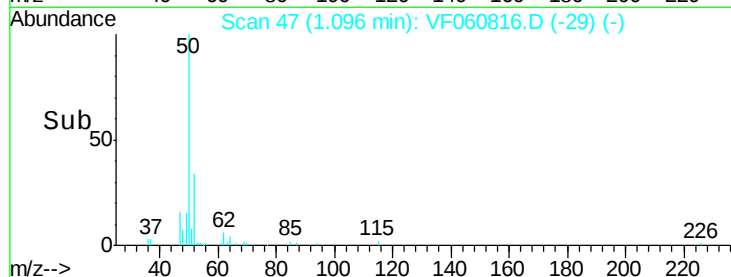
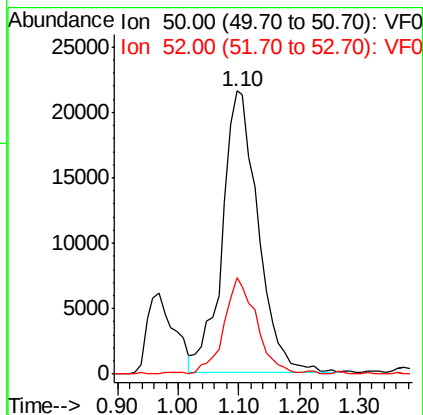
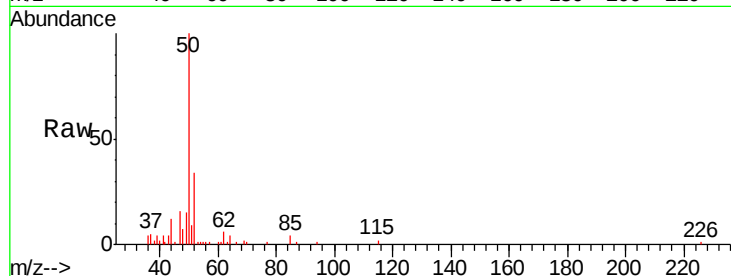
52 34.0 24.2 36.2

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#4

Vinyl Chloride

Concen: 42.68 ug/l

RT: 1.15 min Scan# 52

Delta R.T. -0.00 min

Lab File: VF060816.D

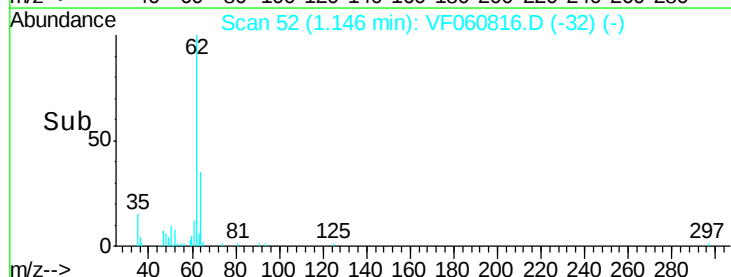
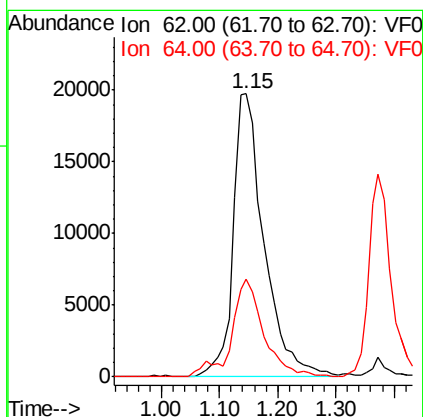
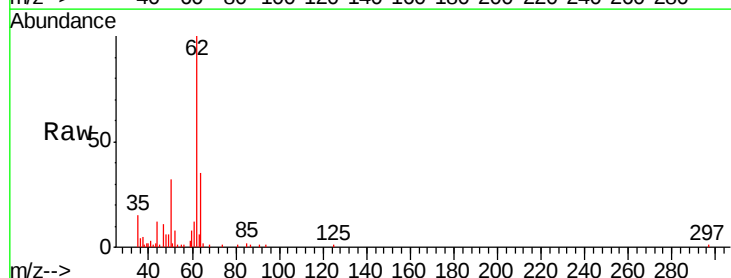
Acq: 20 Nov 2018 21:33

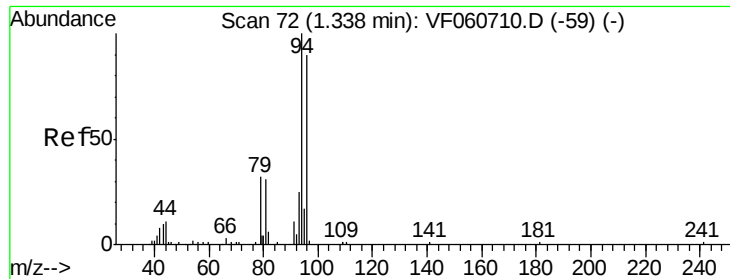
Tgt Ion: 62 Resp: 73155

Ion Ratio Lower Upper

62 100

64 34.7 25.8 38.8





#5

Bromomethane

Concen: 49.34 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.00 min

Lab File: VF060816.D

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Tgt Ion: 94 Resp: 53720

Ion Ratio Lower Upper

94 100

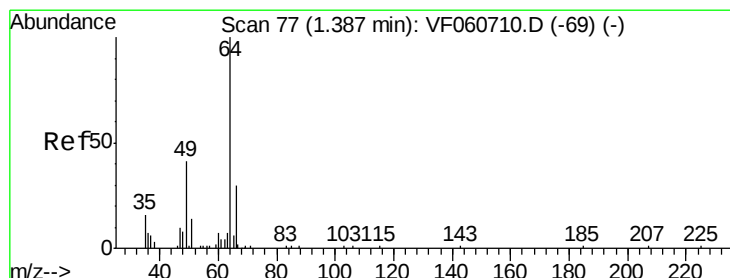
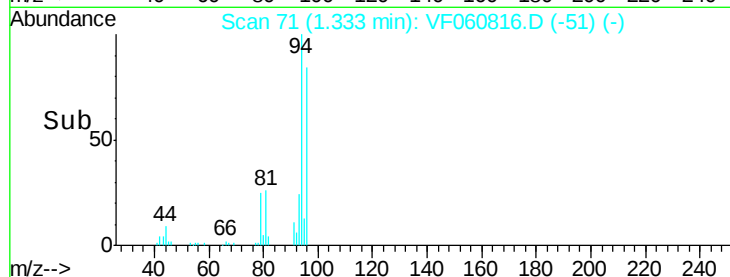
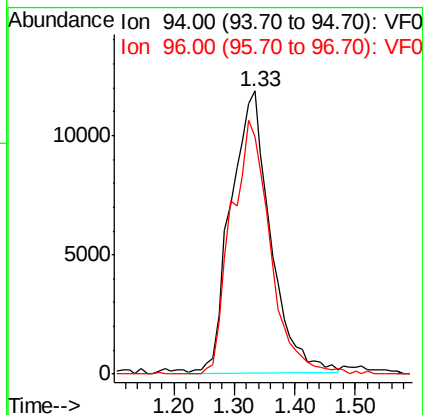
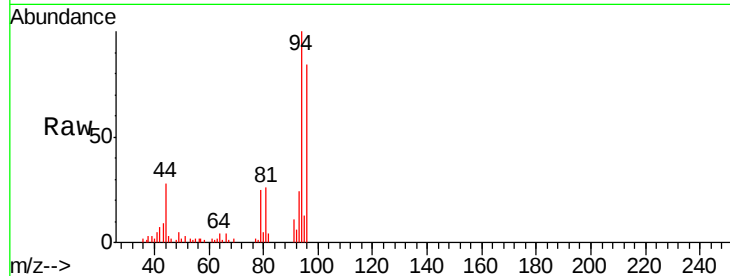
96 84.0 71.9 107.9

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#6

Chloroethane

Concen: 56.54 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.01 min

Lab File: VF060816.D

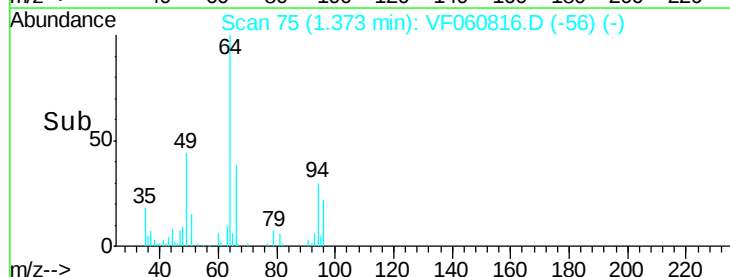
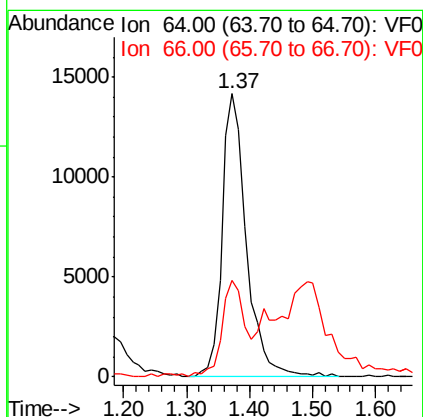
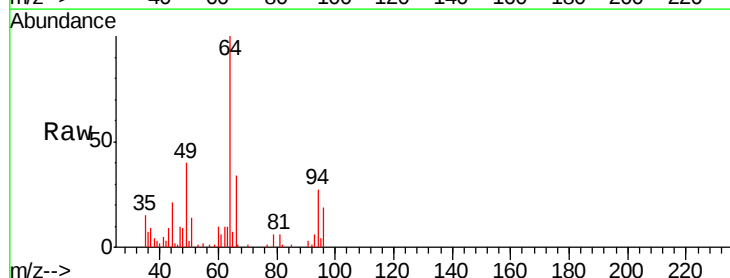
Acq: 20 Nov 2018 21:33

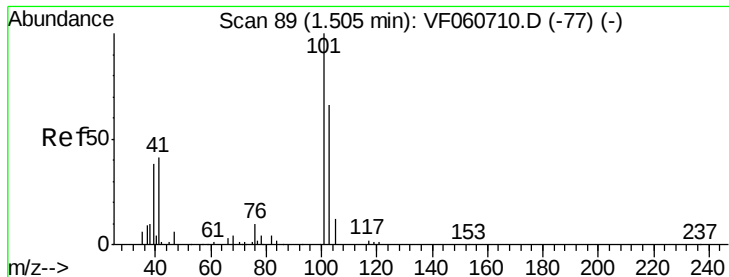
Tgt Ion: 64 Resp: 37916

Ion Ratio Lower Upper

64 100

66 33.9 24.8 37.2





#7

Trichlorofluoromethane

Concen: 48.66 ug/l

RT: 1.49 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

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Tgt Ion: 101 Resp: 184408

Ion Ratio Lower Upper

101 100

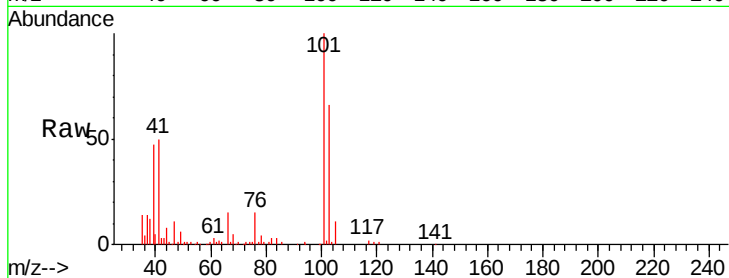
103 65.8 53.1 79.7

Manual Integrations

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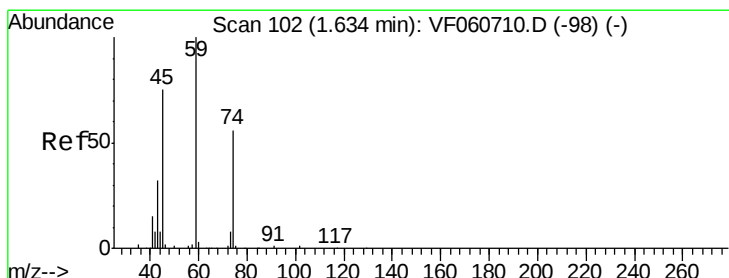
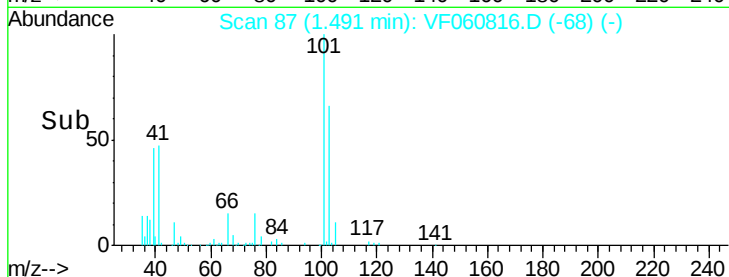
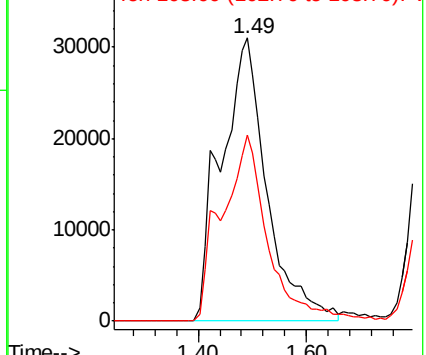
apatel

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 53.84 ug/l

RT: 1.63 min Scan# 101

Delta R.T. -0.00 min

Lab File: VF060816.D

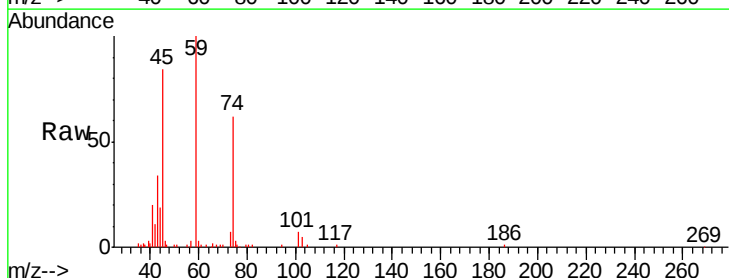
Acq: 20 Nov 2018 21:33

Tgt Ion: 74 Resp: 26143

Ion Ratio Lower Upper

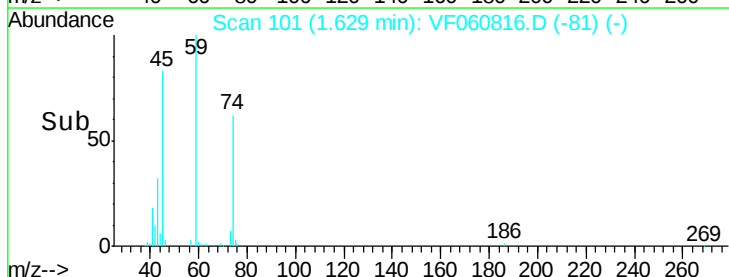
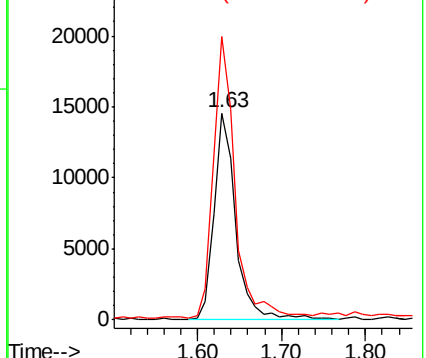
74 100

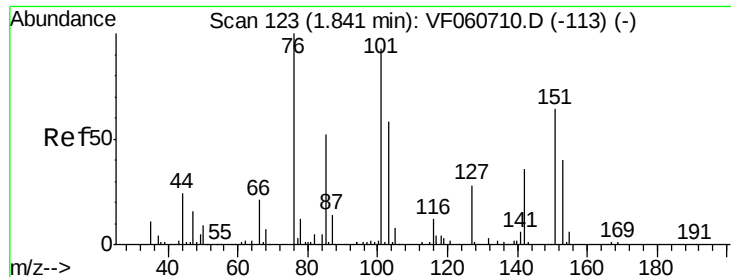
45 136.7 67.7 203.1



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.52 ug/l

RT: 1.82 min Scan# 120

Delta R.T. -0.02 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Instrument :

MSVOA_F

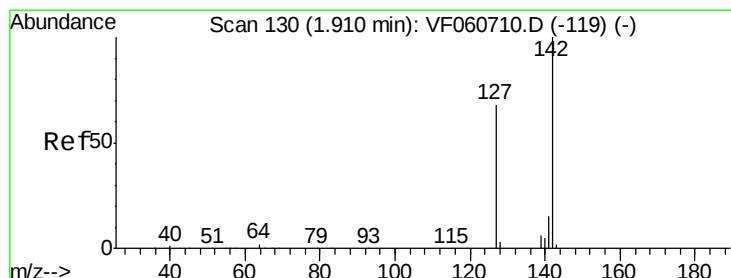
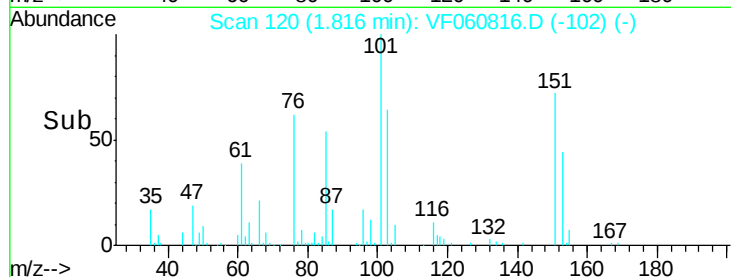
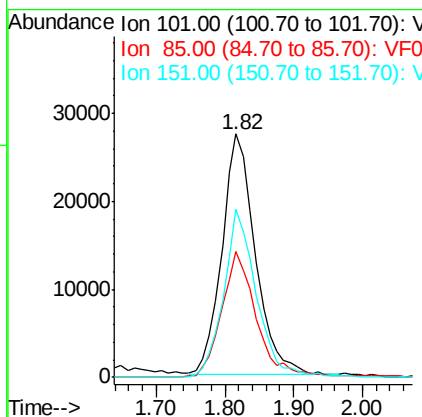
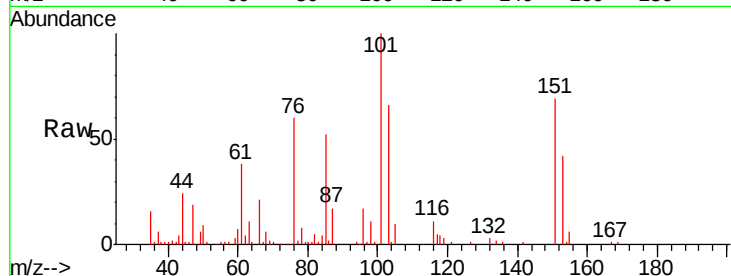
ClientSampleId :

DTW-02(11-13)MSD

Tgt Ion:	101	Resp:	92009
Ion Ratio	Lower	Upper	
101	100		
85	51.9	43.6	65.4
151	69.3	53.1	79.7

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#10

Methyl Iodide

Concen: 45.50 ug/l

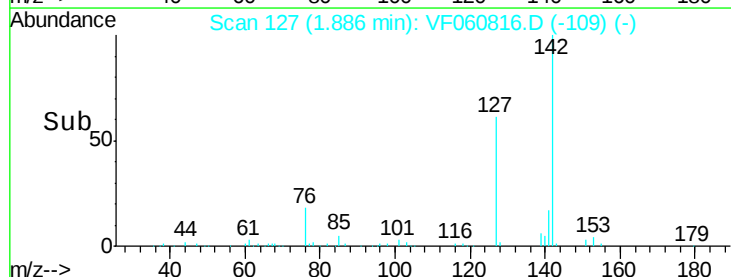
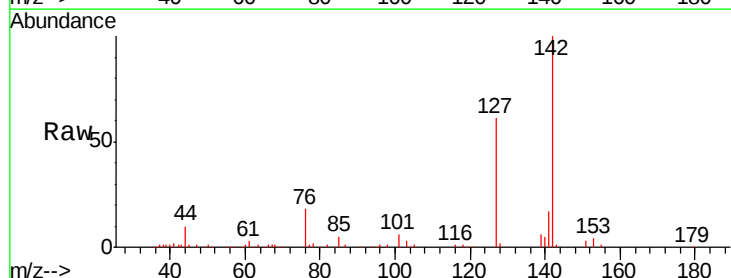
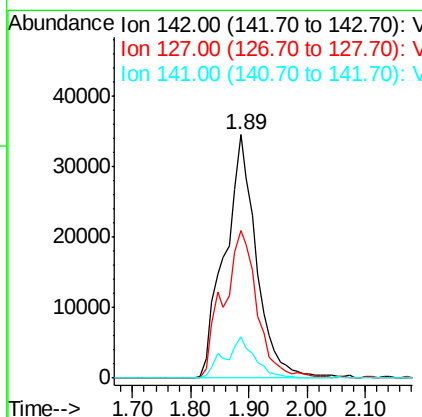
RT: 1.89 min Scan# 127

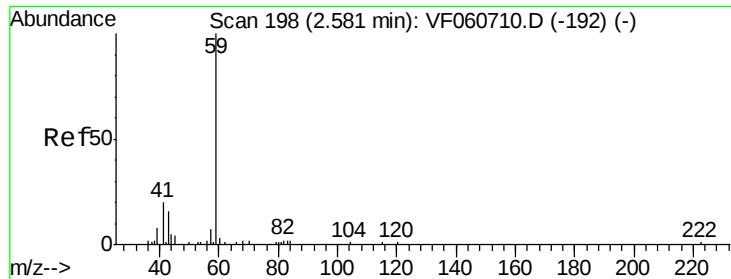
Delta R.T. -0.02 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Tgt Ion:	142	Resp:	130377
Ion Ratio	Lower	Upper	
142	100		
127	60.8	54.0	81.0
141	17.2	12.3	18.5





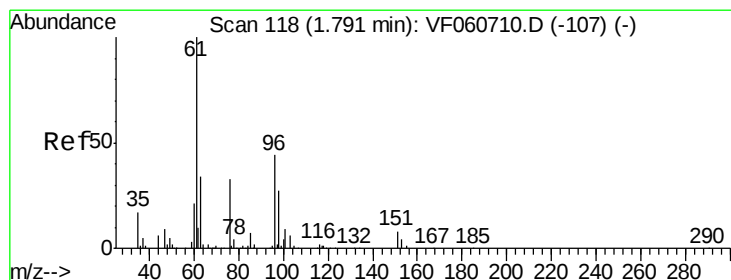
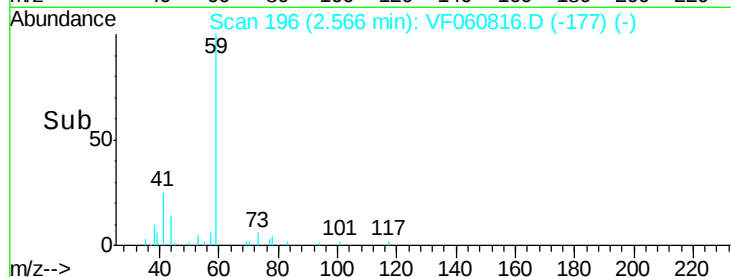
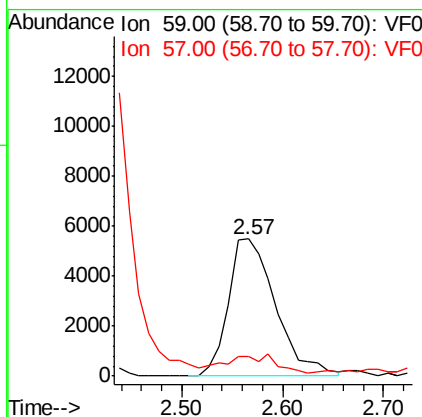
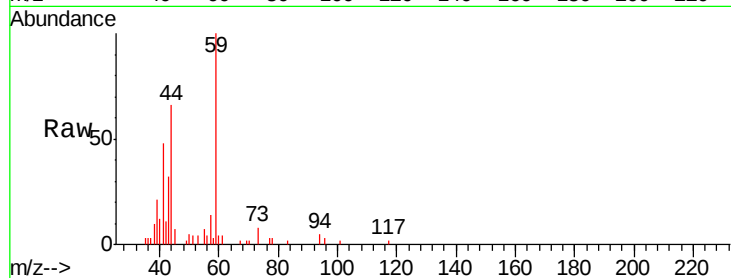
#11
Tert butyl alcohol
Concen: 200.57 ug/l
RT: 2.57 min Scan# 196
Delta R.T. -0.01 min
Lab File: VF060816.D
Acq: 20 Nov 2018 21:33

Instrument :
MSVOA_F
ClientSampleId :
DTW-02(11-13)MSD

Tgt Ion: 59 Resp: 17973
Ion Ratio Lower Upper
59 100
57 14.2 10.5 15.7

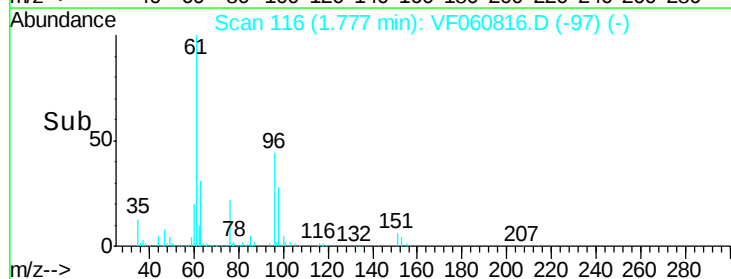
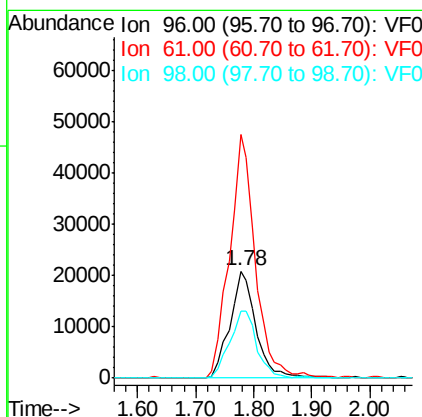
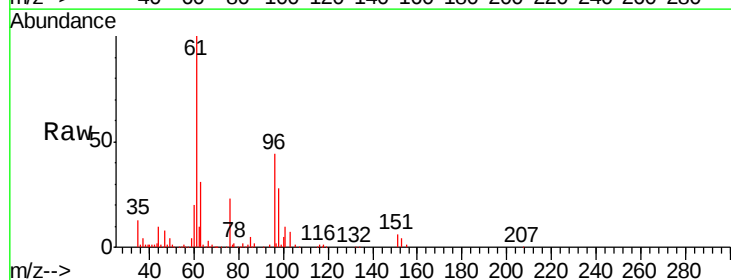
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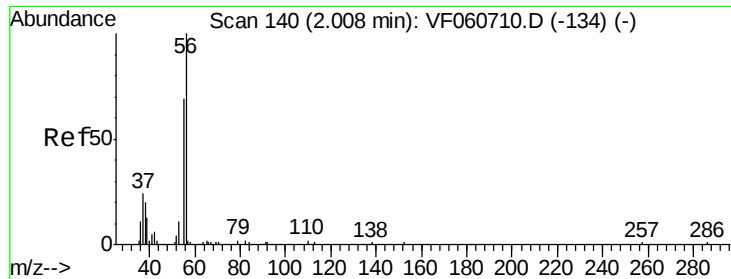
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#12
1,1-Dichloroethene
Concen: 46.17 ug/l
RT: 1.78 min Scan# 116
Delta R.T. -0.01 min
Lab File: VF060816.D
Acq: 20 Nov 2018 21:33

Tgt Ion: 96 Resp: 65023
Ion Ratio Lower Upper
96 100
61 228.1 182.2 273.2
98 63.2 49.2 73.8





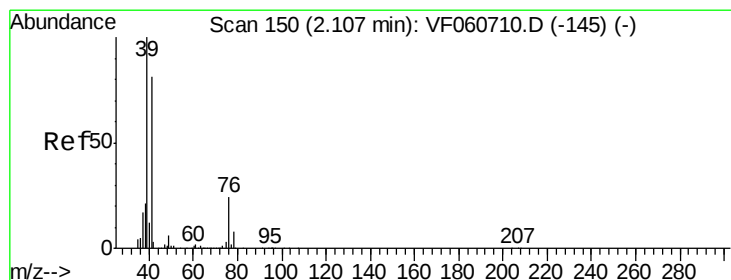
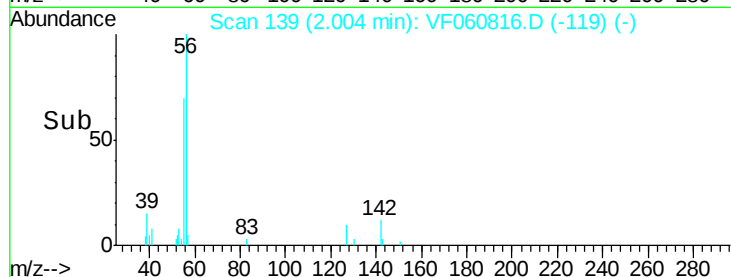
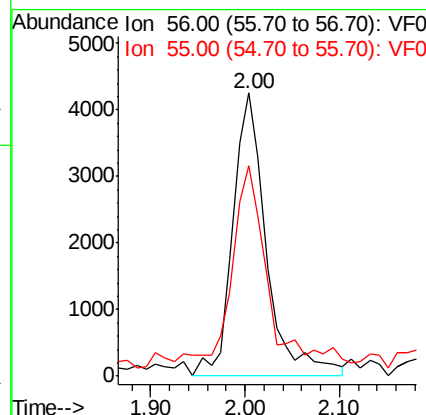
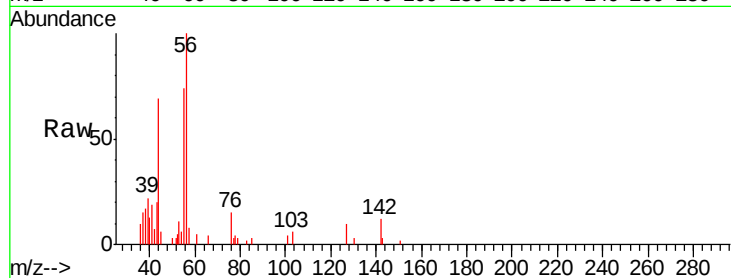
#13
Acrolein
Concen: 127.90 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.00 min
Lab File: VF060816.D
Acq: 20 Nov 2018 21:33

Instrument :
MSVOA_F
ClientSampleId :
DTW-02(11-13)MSD

Tgt Ion: 56 Resp: 10479
Ion Ratio Lower Upper
56 100
55 74.3 56.6 85.0

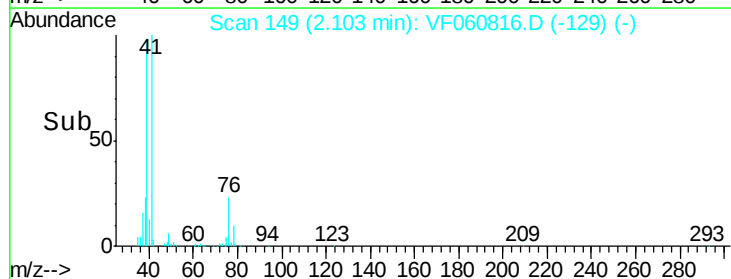
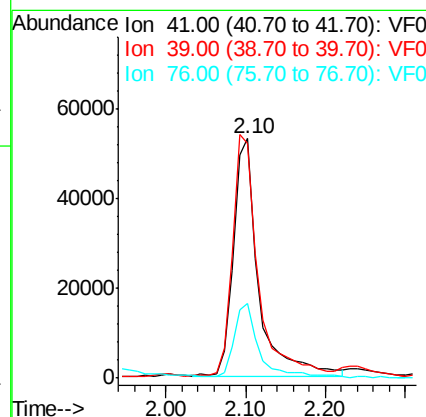
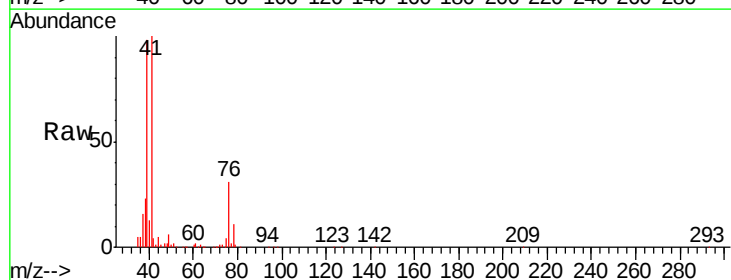
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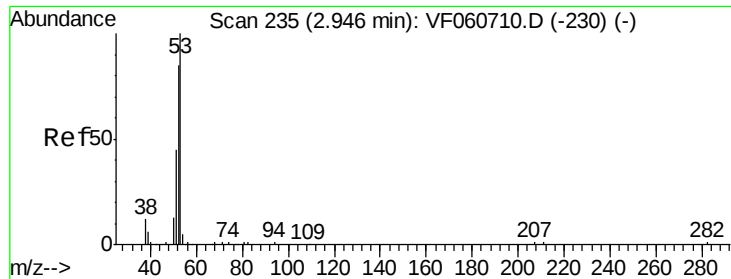
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#14
Allyl chloride
Concen: 48.07 ug/l
RT: 2.10 min Scan# 149
Delta R.T. -0.00 min
Lab File: VF060816.D
Acq: 20 Nov 2018 21:33

Tgt Ion: 41 Resp: 118592
Ion Ratio Lower Upper
41 100
39 97.8 98.5 147.7#
76 31.3 24.5 36.7





#15

Acrylonitrile

Concen: 236.18 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.00 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Instrument :

MSVOA_F

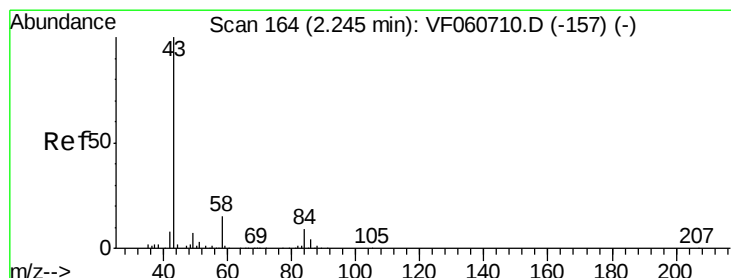
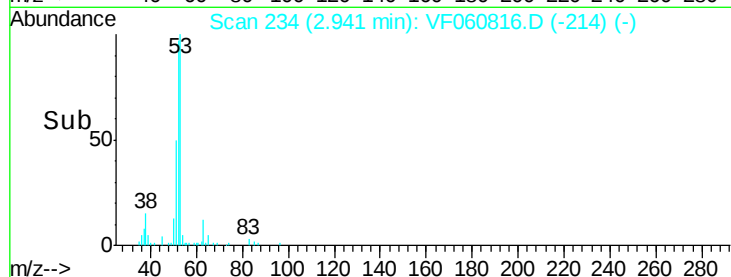
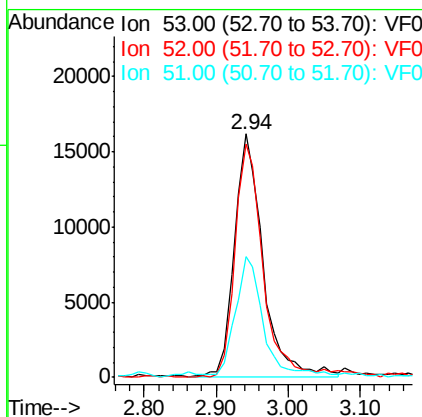
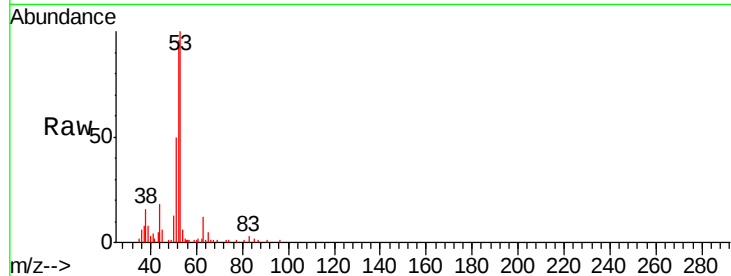
ClientSampleId :

DTW-02(11-13)MSD

Tgt Ion:	53	Resp:	45097
Ion	Ratio	Lower	Upper
53	100		
52	95.7	68.8	103.2
51	49.8	36.7	55.1

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#16

Acetone

Concen: 255.93 ug/l

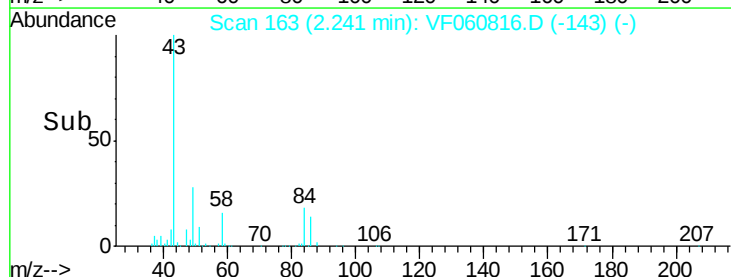
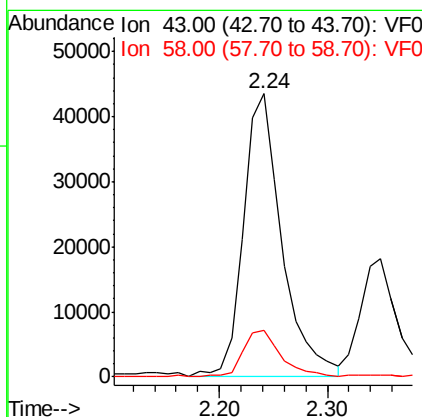
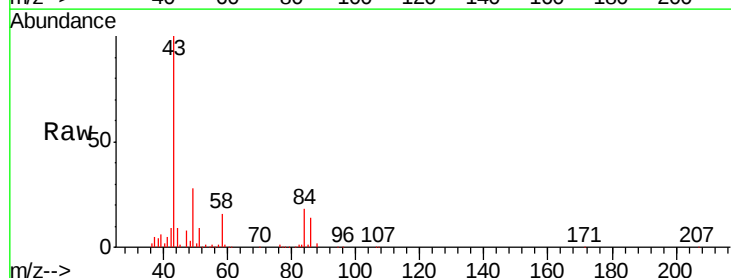
RT: 2.24 min Scan# 163

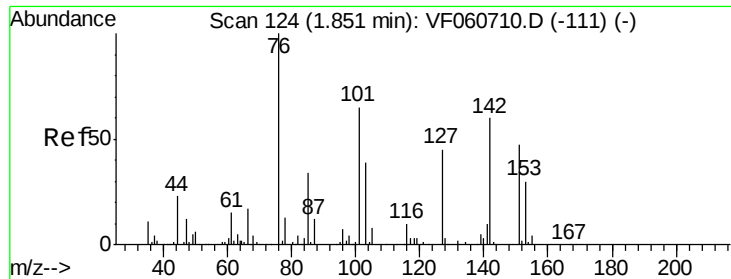
Delta R.T. -0.00 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Tgt Ion:	43	Resp:	107707
Ion	Ratio	Lower	Upper
43	100		
58	16.3	11.6	17.4





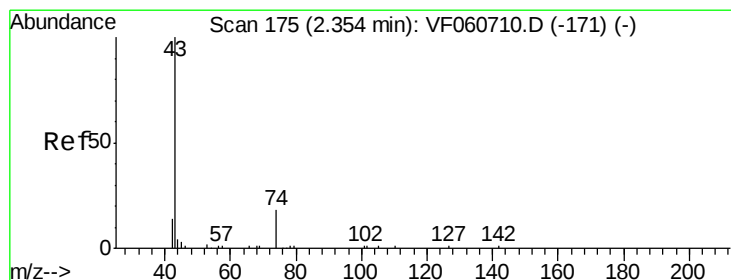
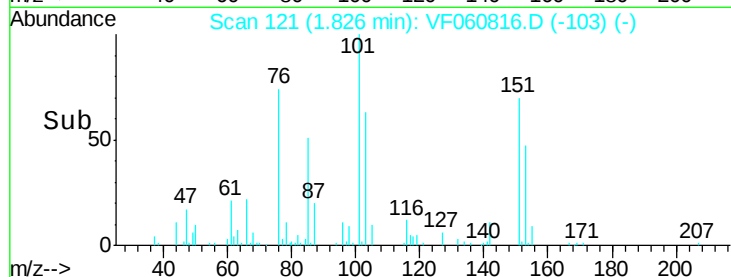
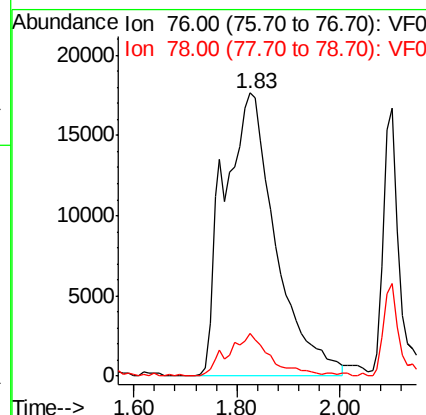
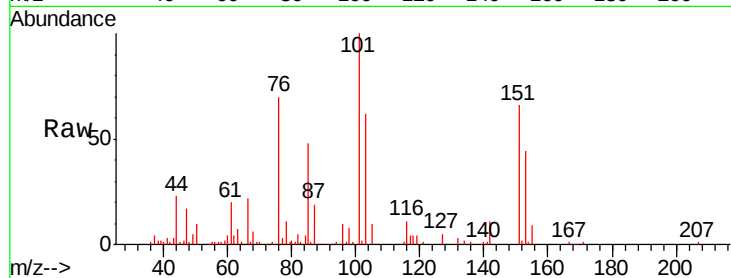
#17
Carbon Disulfide
Concen: 29.16 ug/l m
RT: 1.83 min Scan# 121
Delta R.T. -0.02 min
Lab File: VF060816.D
Acq: 20 Nov 2018 21:33

Instrument :
MSVOA_F
ClientSampleId :
DTW-02(11-13)MSD

Tgt Ion: 76 Resp: 124108
Ion Ratio Lower Upper
76 100
78 15.0 10.5 15.7

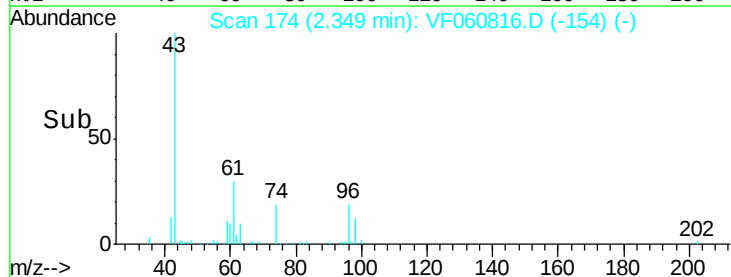
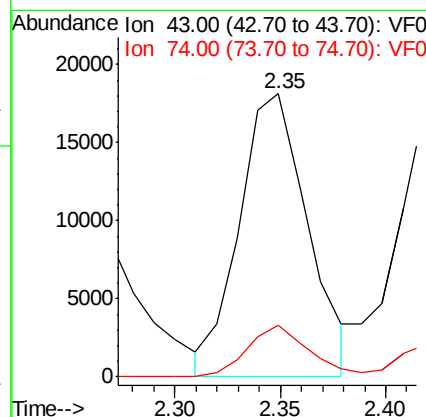
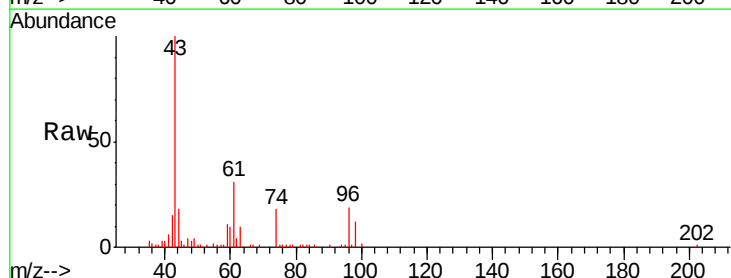
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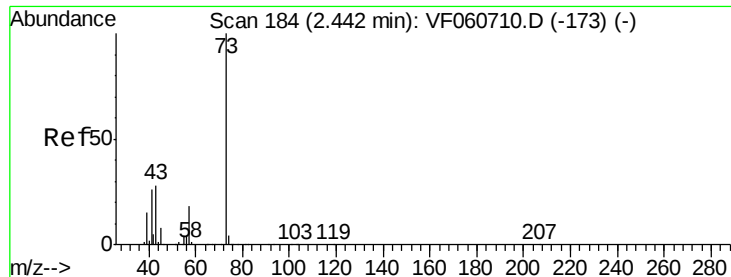
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#18
Methyl Acetate
Concen: 59.12 ug/l m
RT: 2.35 min Scan# 174
Delta R.T. -0.00 min
Lab File: VF060816.D
Acq: 20 Nov 2018 21:33

Tgt Ion: 43 Resp: 40855
Ion Ratio Lower Upper
43 100
74 18.2 11.8 17.8#





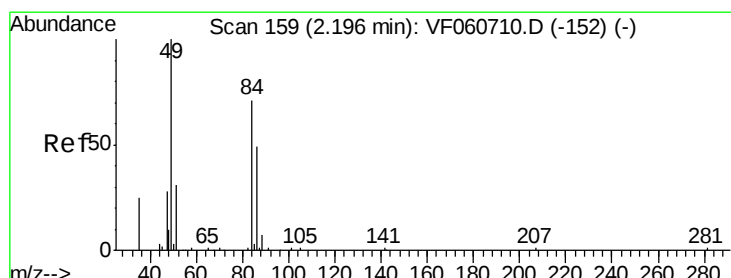
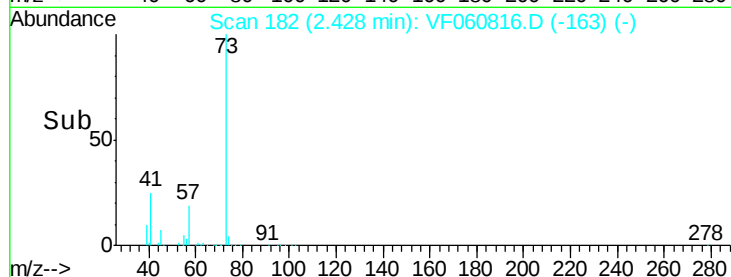
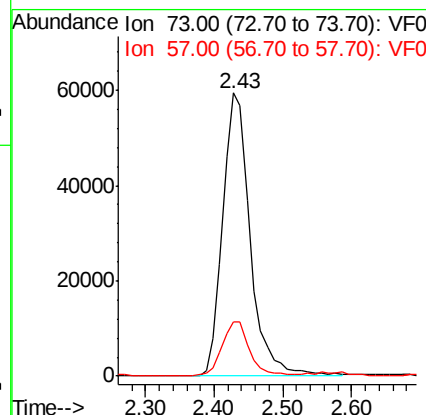
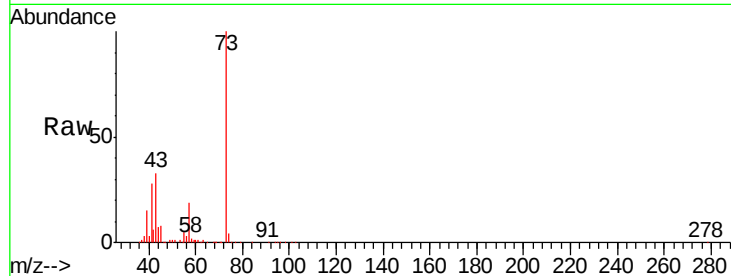
#19
Methyl tert-butyl Ether
Concen: 48.90 ug/l
RT: 2.43 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF060816.D
Acq: 20 Nov 2018 21:33

Instrument :
MSVOA_F
ClientSampleId :
DTW-02(11-13)MSD

Tgt Ion	Ratio	Lower	Upper
73	100		
57	19.4	14.3	21.5

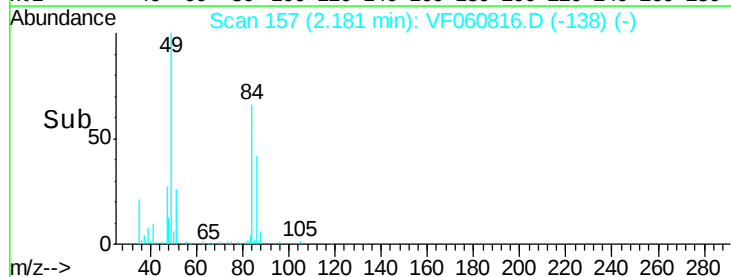
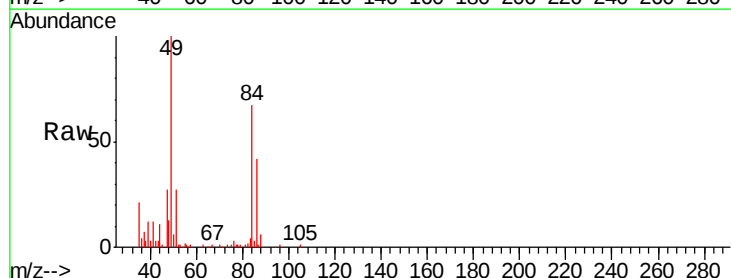
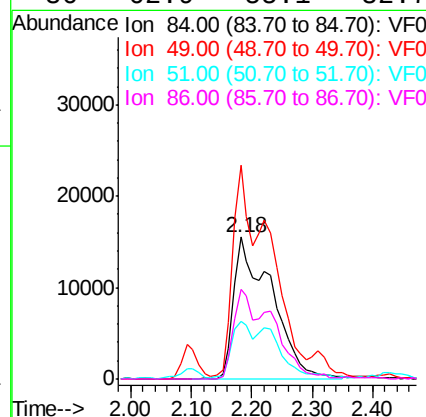
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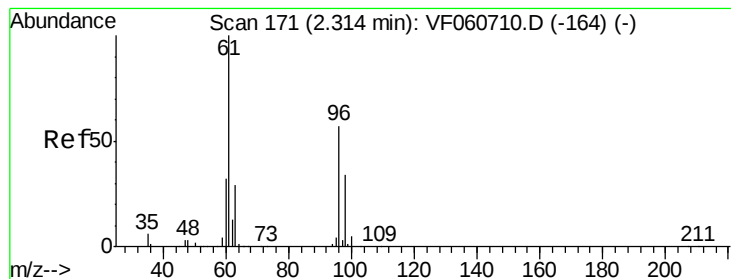
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#20
Methylene Chloride
Concen: 48.43 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF060816.D
Acq: 20 Nov 2018 21:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	150.4	120.2	180.4
51	40.7	37.2	55.8
86	62.9	55.1	82.7





#21

trans-1,2-Dichloroethene

Concen: 36.60 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Instrument :

MSVOA_F

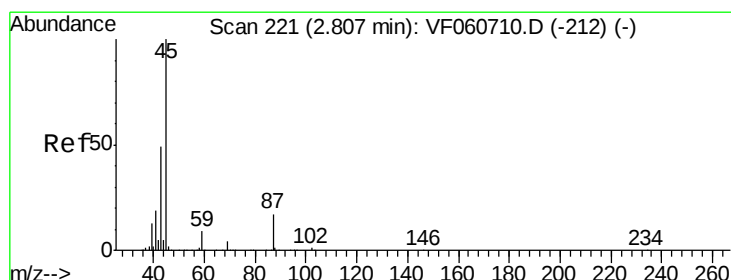
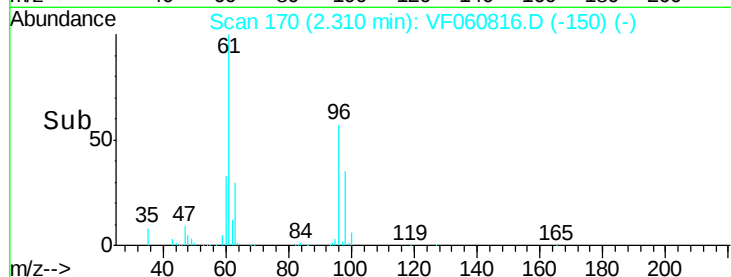
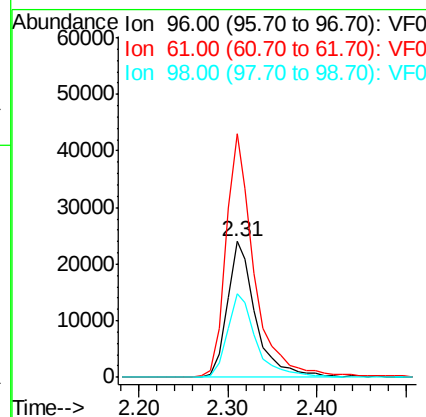
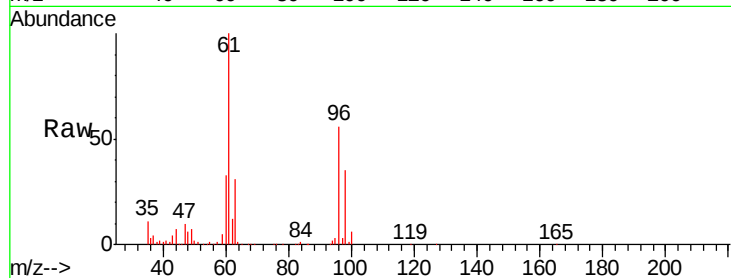
ClientSampleId :

DTW-02(11-13)MSD

Tgt Ion:	96	Resp:	53859
Ion	Ratio	Lower	Upper
96	100		
61	179.4	141.6	212.4
98	61.9	47.4	71.0

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#22

Diisopropyl ether

Concen: 58.76 ug/l

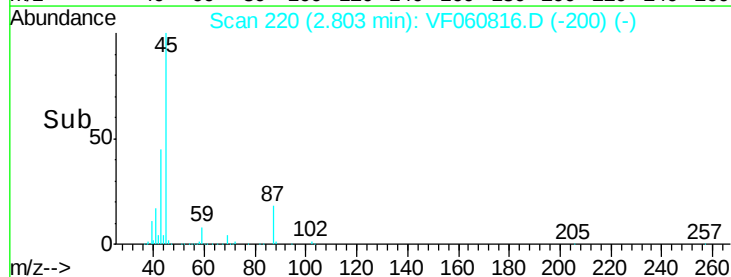
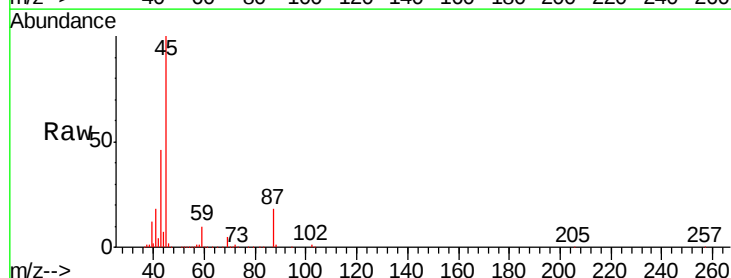
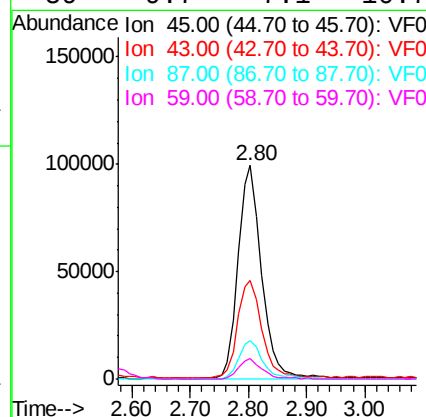
RT: 2.80 min Scan# 220

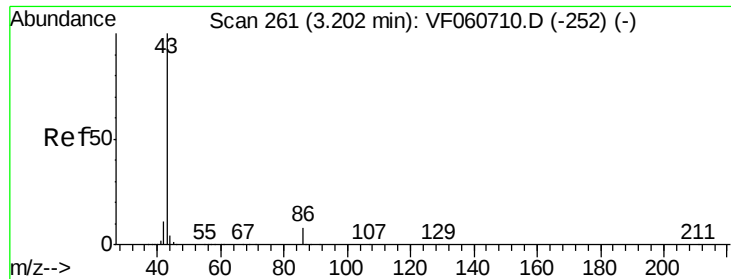
Delta R.T. -0.00 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Tgt Ion:	45	Resp:	279895
Ion	Ratio	Lower	Upper
45	100		
43	46.3	39.9	59.9
87	17.9	13.9	20.9
59	9.7	7.1	10.7





#23

Vinyl Acetate

Concen: 216.66 ug/l

RT: 3.19 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Instrument :

MSVOA_F

ClientSampleId :

DTW-02(11-13)MSD

Tgt Ion: 43 Resp: 485971

Ion Ratio Lower Upper

43 100

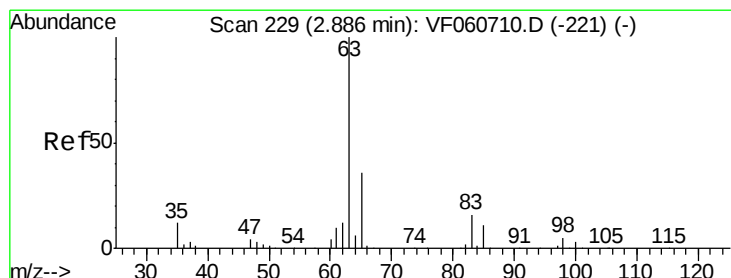
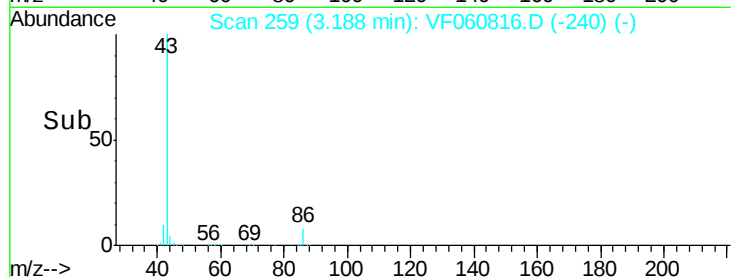
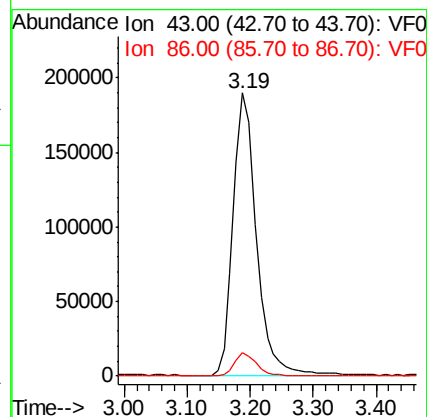
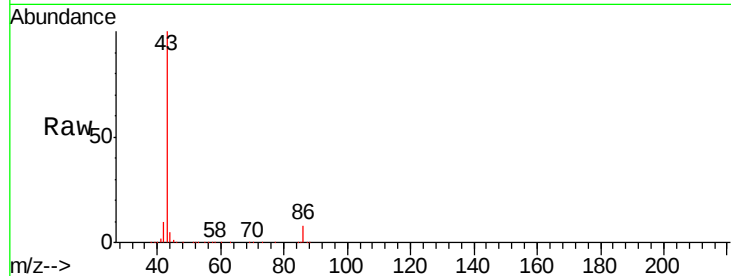
86 8.2 6.4 9.6

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#24

1,1-Dichloroethane

Concen: 53.96 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.01 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

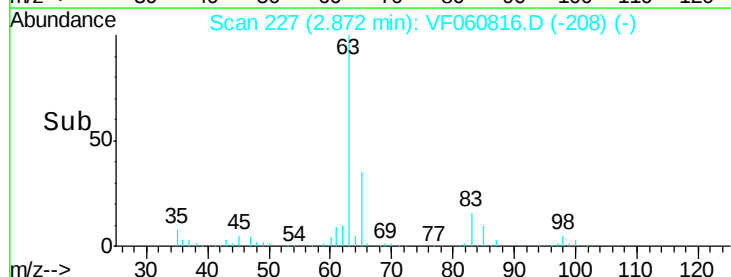
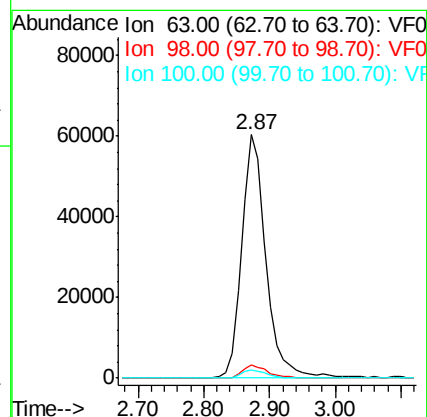
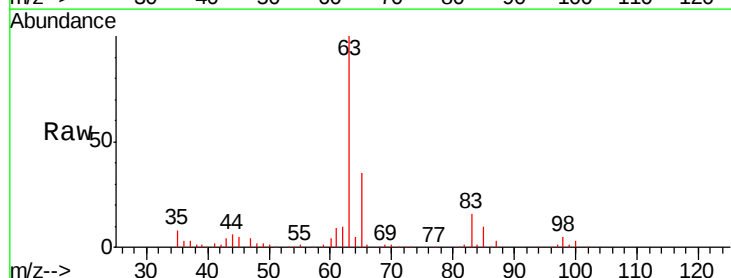
Tgt Ion: 63 Resp: 155614

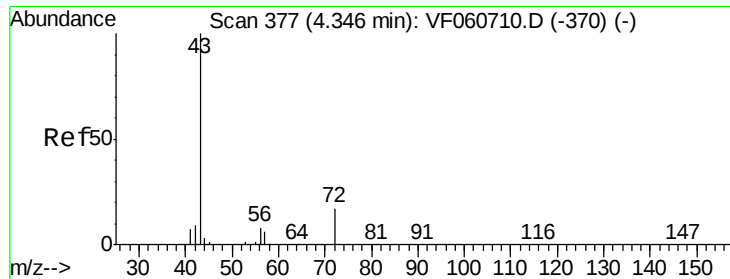
Ion Ratio Lower Upper

63 100

98 5.3 2.4 7.1

100 3.4 1.4 4.2





#25

2-Butanone

Concen: 239.02 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.01 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Instrument :

MSVOA_F

ClientSampleId :

DTW-02(11-13)MSD

Tgt Ion: 43 Resp: 165454

Ion Ratio Lower Upper

43 100

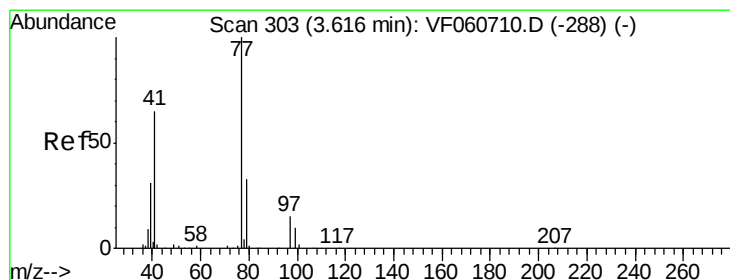
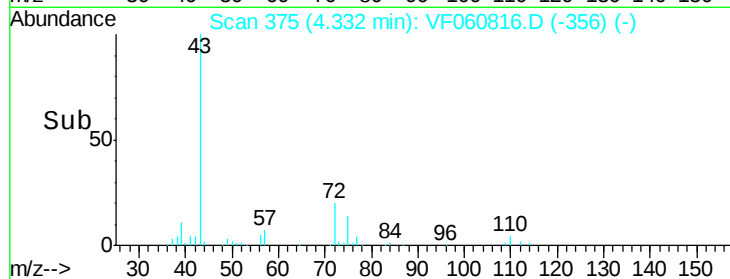
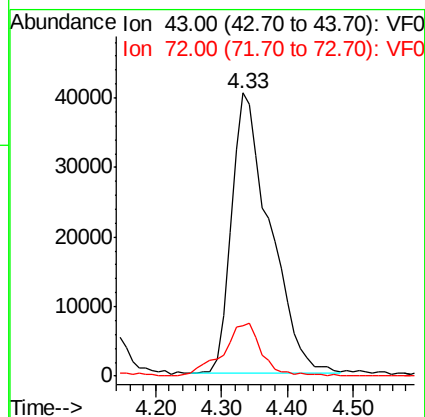
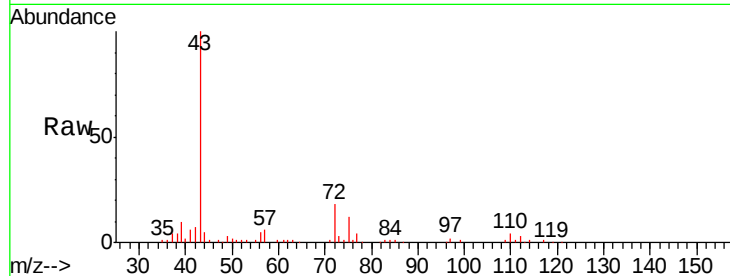
72 17.9 16.1 24.1

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#26

2,2-Dichloropropane

Concen: 46.22 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.01 min

Lab File: VF060816.D

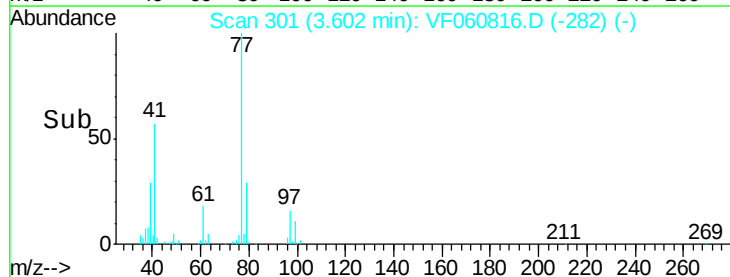
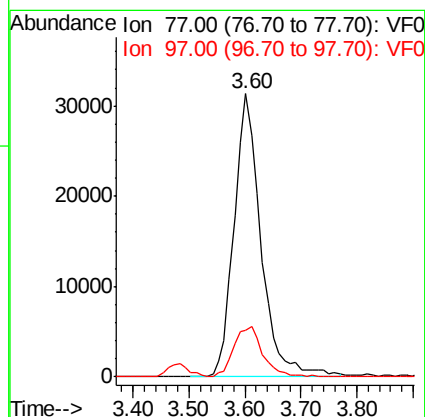
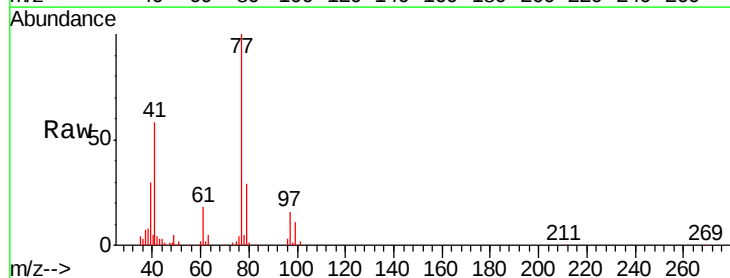
Acq: 20 Nov 2018 21:33

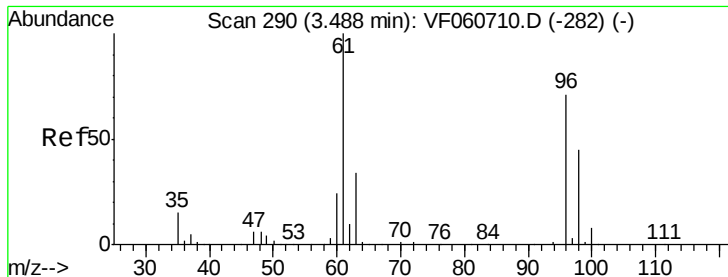
Tgt Ion: 77 Resp: 104893

Ion Ratio Lower Upper

77 100

97 16.3 8.8 26.5





#27

cis-1,2-Dichloroethene

Concen: 42.75 ug/l

RT: 3.48 min Scan# 289

Delta R.T. -0.00 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Instrument :

MSVOA_F

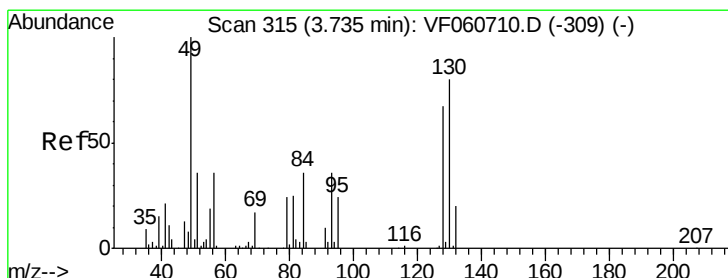
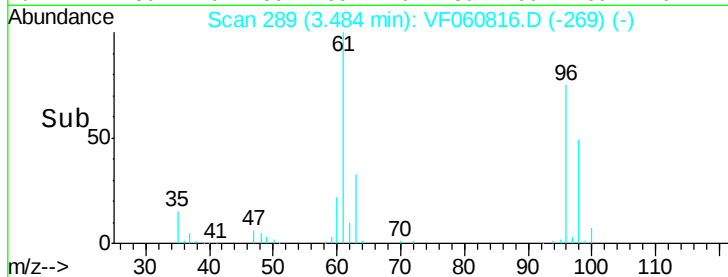
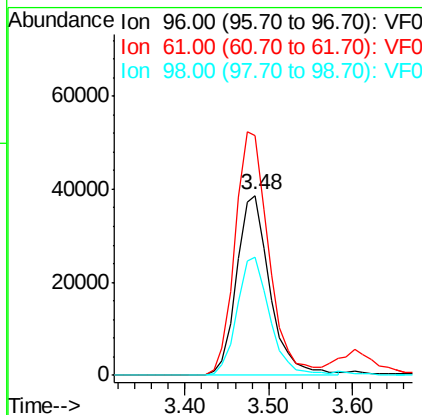
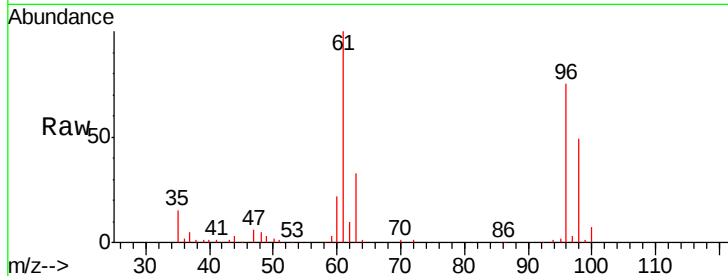
ClientSampleId :

DTW-02(11-13)MSD

Tgt Ion:	96	Resp:	107008
Ion	Ratio	Lower	Upper
96	100		
61	133.2	0.0	280.6
98	65.6	0.0	127.6

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#28

Bromochloromethane

Concen: 44.80 ug/l

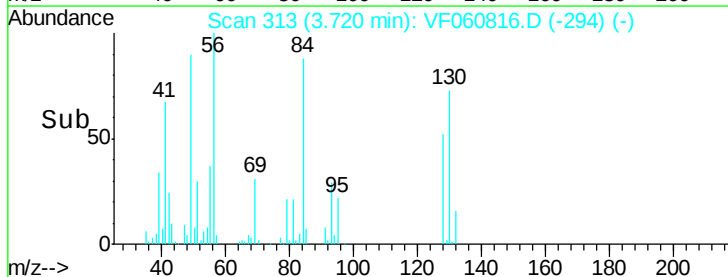
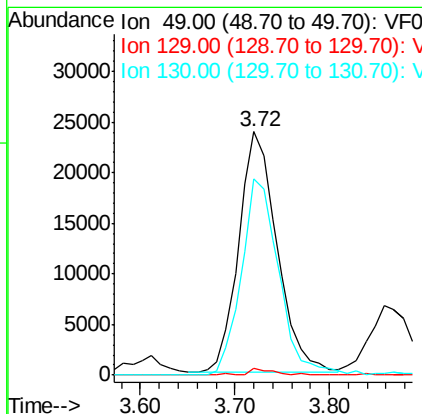
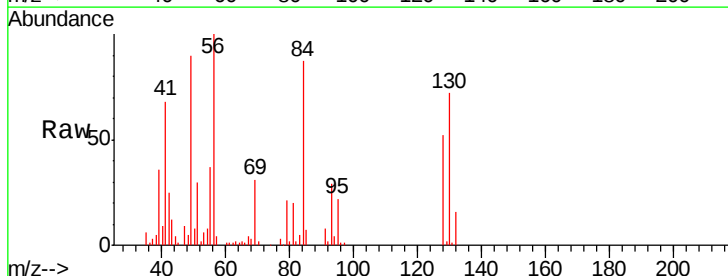
RT: 3.72 min Scan# 313

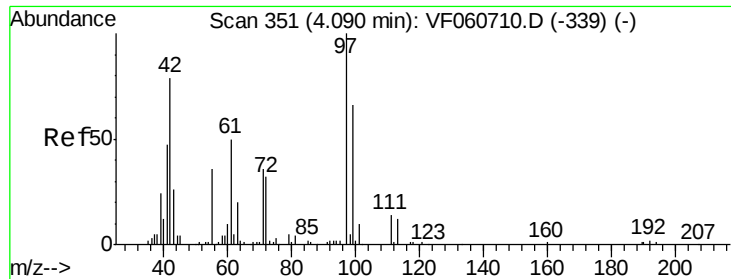
Delta R.T. -0.01 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Tgt Ion:	49	Resp:	67143
Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.2
130	80.6	63.9	95.9





#29

Tetrahydrofuran

Concen: 239.53 ug/l

RT: 4.08 min Scan# 349

Delta R.T. -0.01 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Instrument :

MSVOA_F

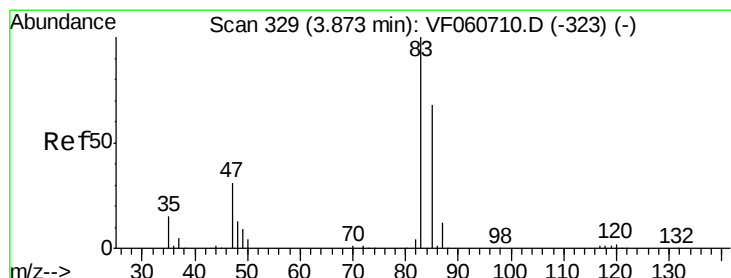
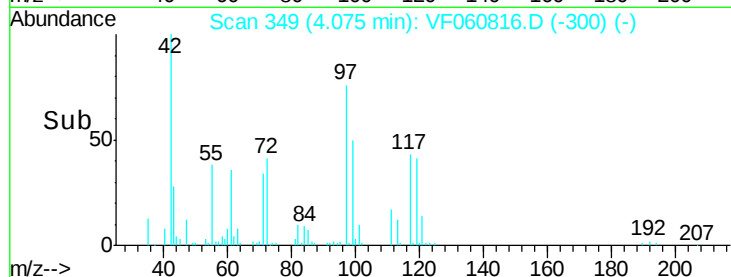
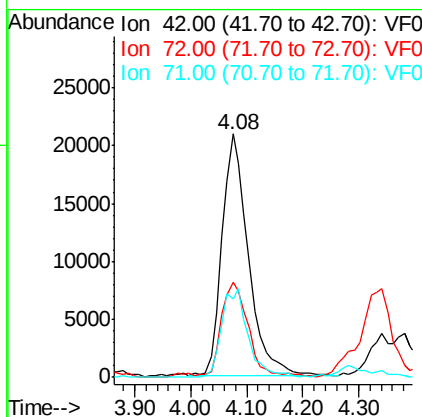
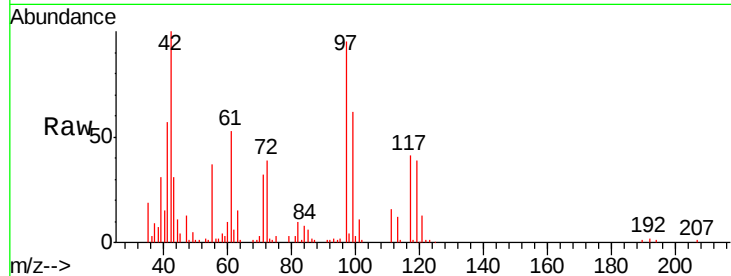
ClientSampleId :

DTW-02(11-13)MSD

Tgt Ion:	42	Resp:	68394
Ion Ratio		Lower	Upper
42	100		
72	37.8	30.3	45.5
71	36.7	32.2	48.2

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#30

Chloroform

Concen: 45.85 ug/l

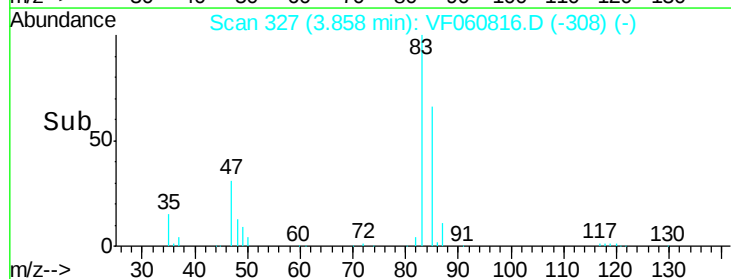
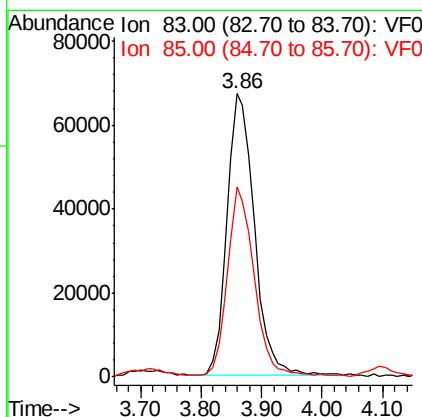
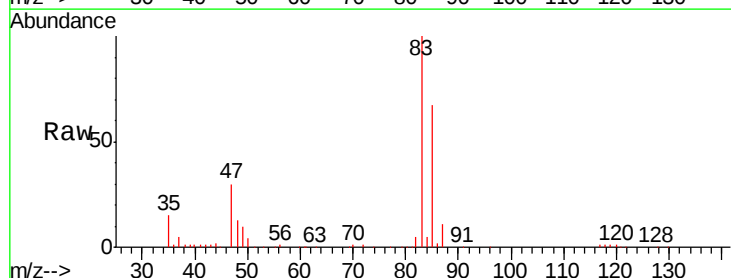
RT: 3.86 min Scan# 327

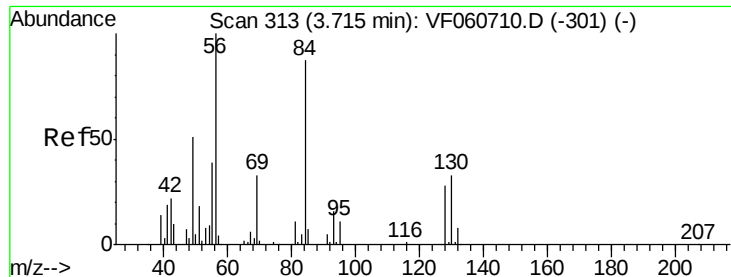
Delta R.T. -0.01 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Tgt Ion:	83	Resp:	212154
Ion Ratio		Lower	Upper
83	100		
85	67.2	54.6	82.0





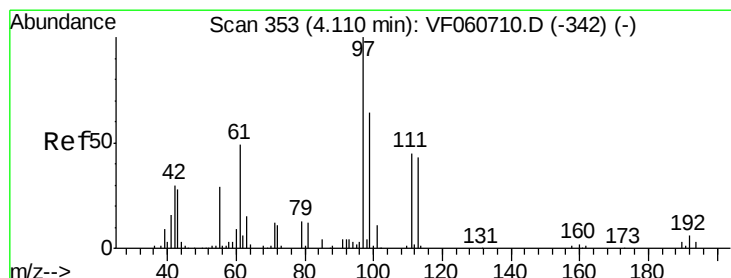
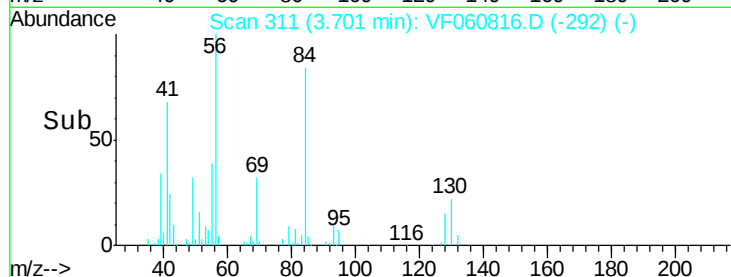
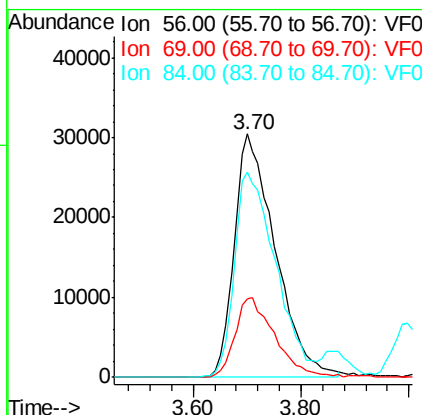
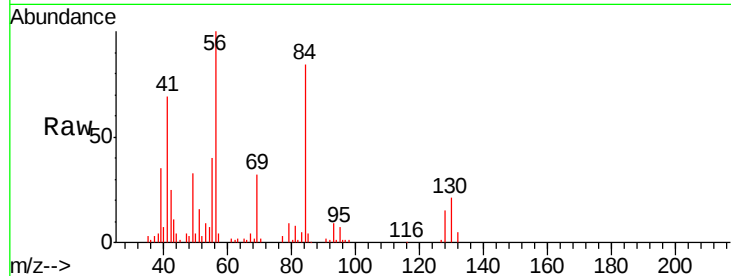
#31
Cyclohexane
Concen: 45.67 ug/l
RT: 3.70 min Scan# 311
Delta R.T. -0.01 min
Lab File: VF060816.D
Acq: 20 Nov 2018 21:33

Instrument :
MSVOA_F
ClientSampleId :
DTW-02(11-13)MSD

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.2	26.0	39.0
84	84.1	69.4	104.2

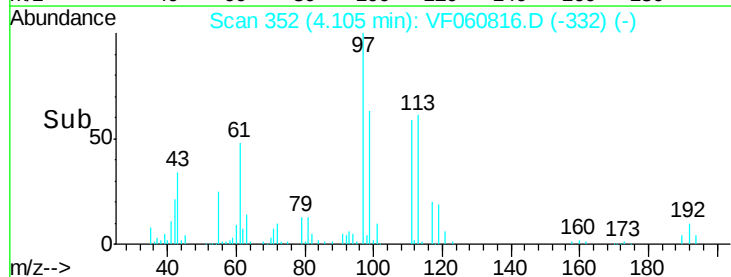
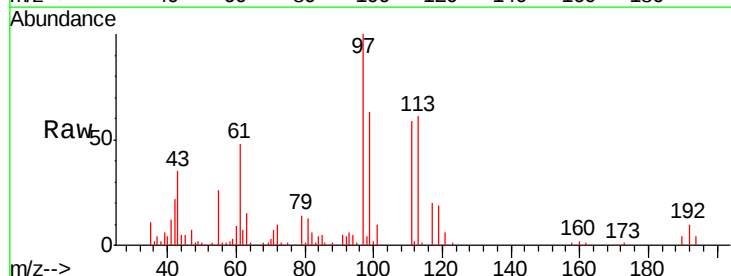
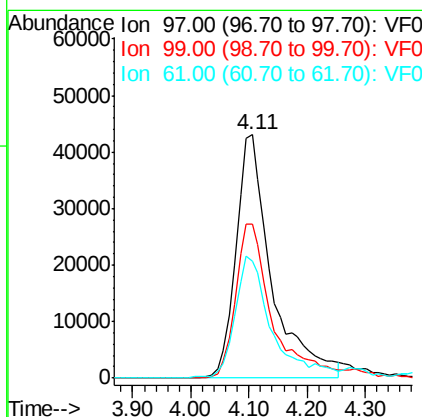
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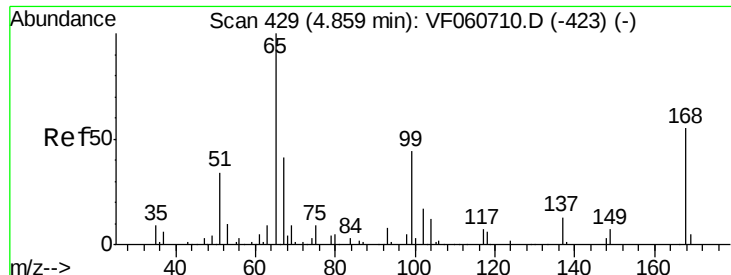
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#32
1,1,1-Trichloroethane
Concen: 50.60 ug/l
RT: 4.11 min Scan# 352
Delta R.T. -0.00 min
Lab File: VF060816.D
Acq: 20 Nov 2018 21:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.1	76.7
61	48.0	40.1	60.1





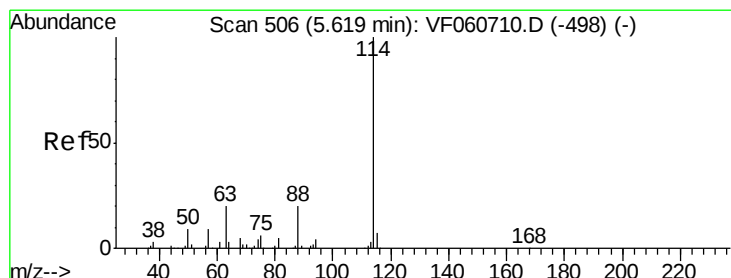
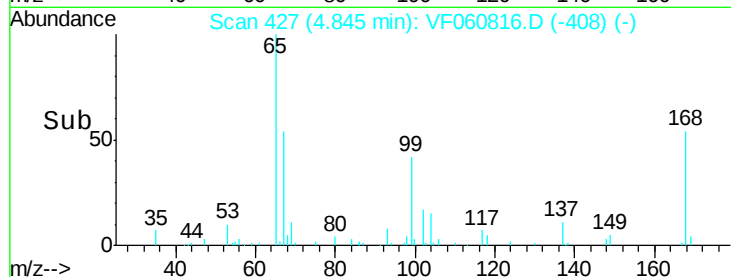
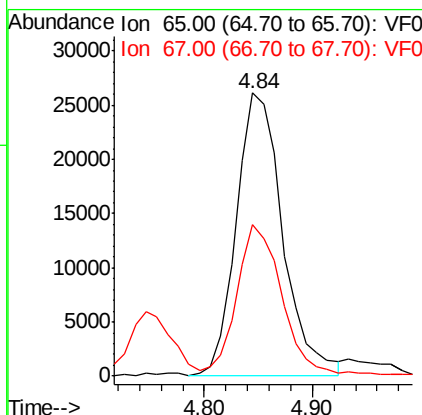
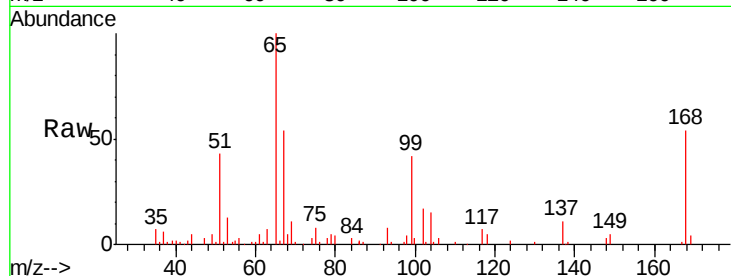
#33
 1,2-Dichloroethane-d4
 Concen: 39.71 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.01 min
 Lab File: VF060816.D
 Acq: 20 Nov 2018 21:33

Instrument :
 MSVOA_F
 ClientSampleId :
 DTW-02(11-13)MSD

Tgt Ion: 65 Resp: 78183
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 90.2

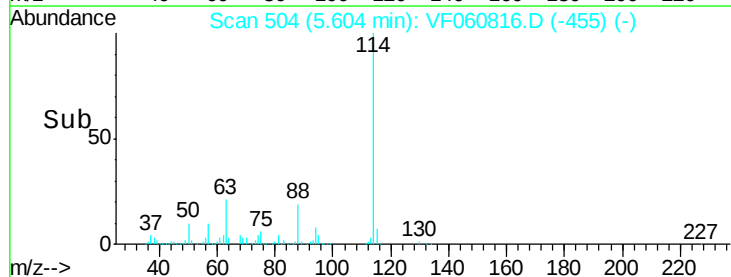
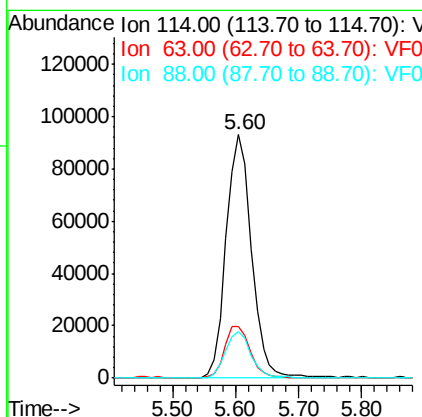
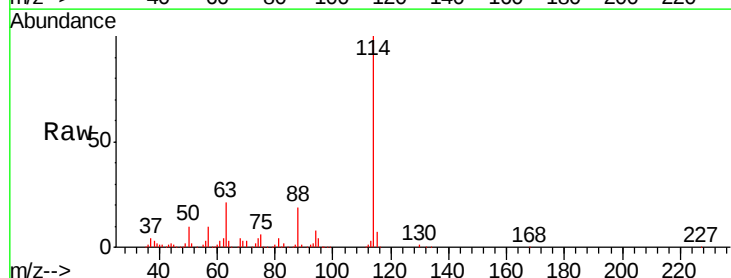
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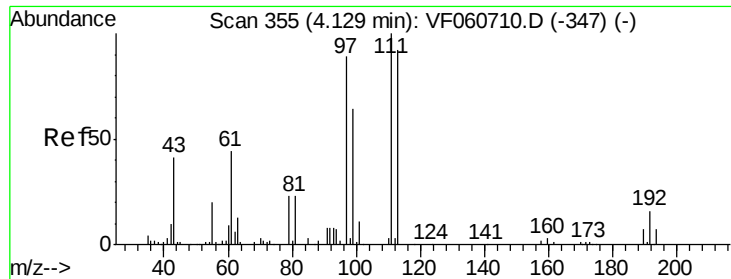
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: VF060816.D
 Acq: 20 Nov 2018 21:33

Tgt Ion: 114 Resp: 261328
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 40.8
 88 19.3 0.0 39.6





#35

Dibromofluoromethane

Concen: 50.63 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF060816.D

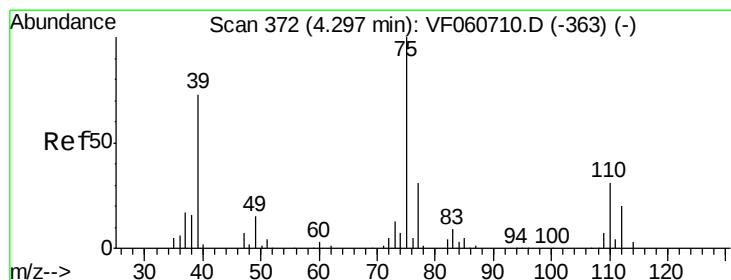
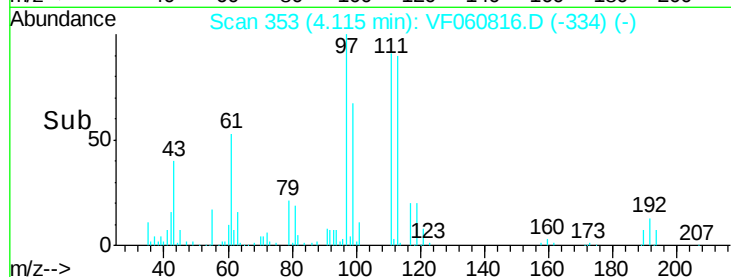
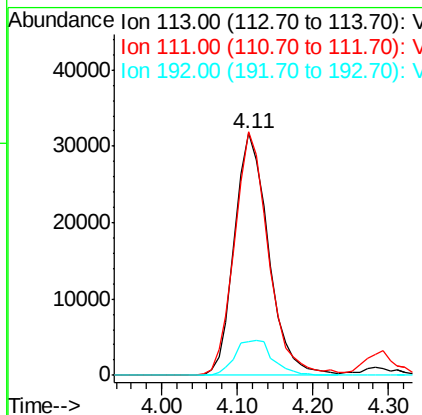
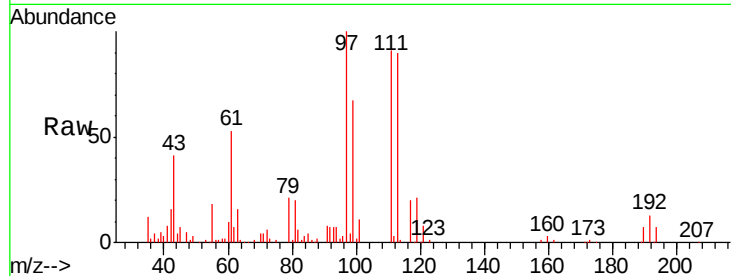
Acq: 20 Nov 2018 21:33

Instrument :
MSVOA_F
ClientSampleId :
DTW-02(11-13)MSD

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.6	87.1	130.7
192	14.1	13.8	20.6

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#36

1,1-Dichloropropene

Concen: 48.28 ug/l

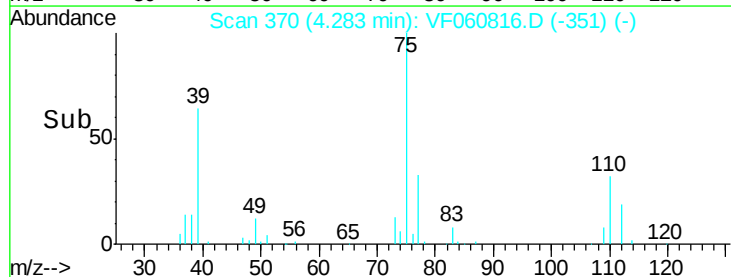
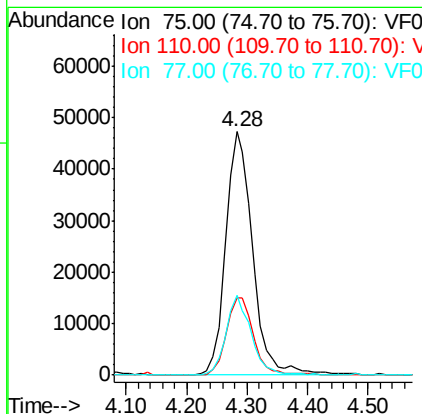
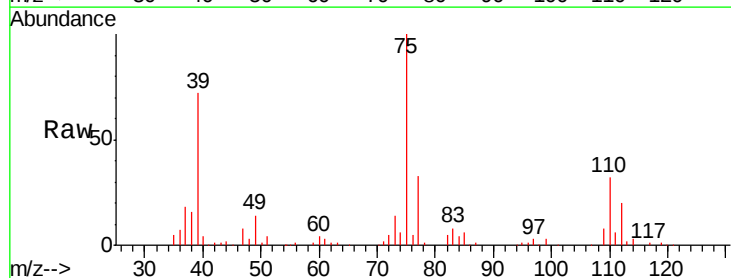
RT: 4.28 min Scan# 370

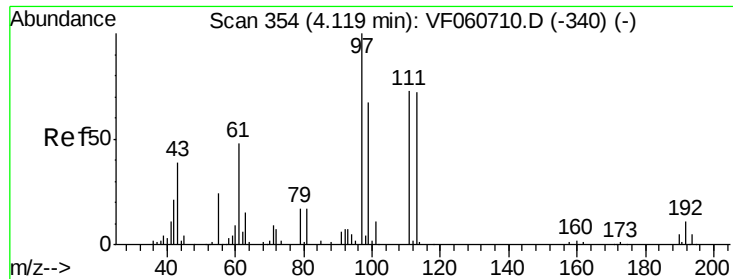
Delta R.T. -0.01 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.6	15.6	46.8
77	32.8	25.0	37.6





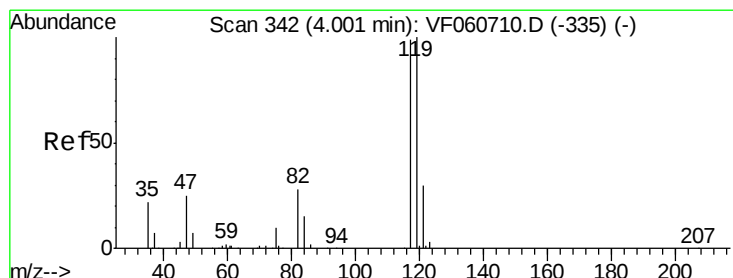
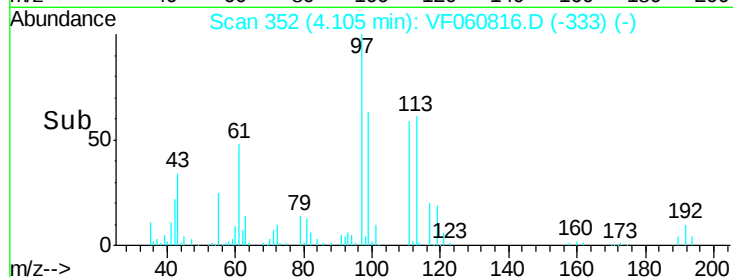
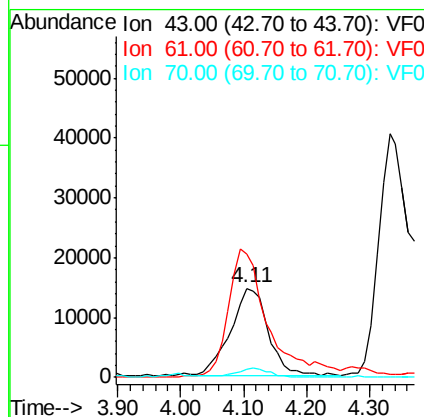
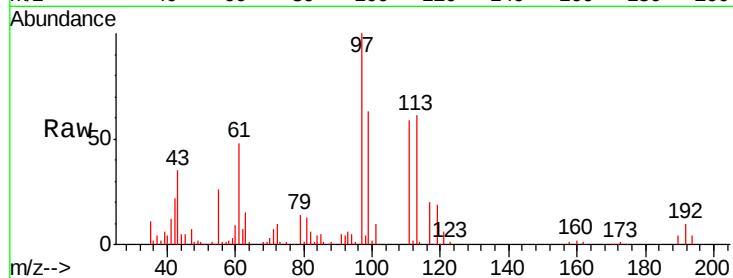
#37
Ethyl Acetate
Concen: 53.69 ug/l
RT: 4.11 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF060816.D
Acq: 20 Nov 2018 21:33

Instrument :
MSVOA_F
ClientSampleId :
DTW-02(11-13)MSD

Tgt Ion	Ratio	Lower	Upper
43	100		
61	138.5	98.5	147.7
70	8.7	7.4	11.0

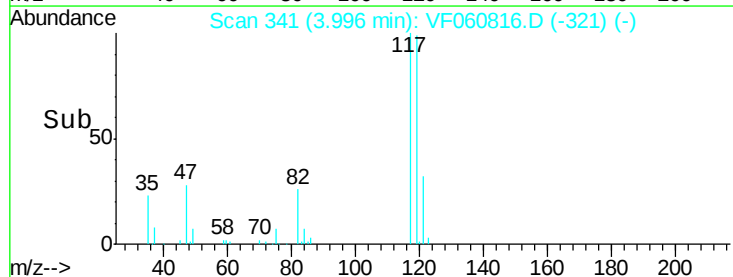
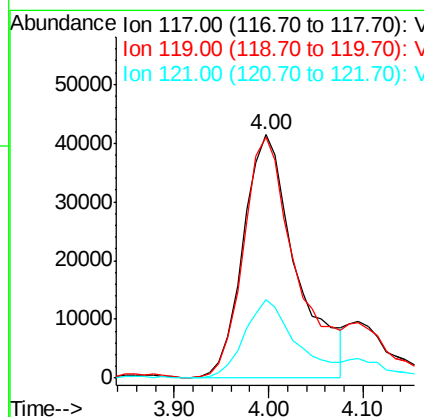
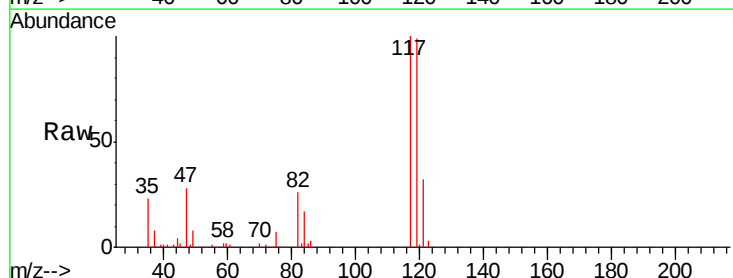
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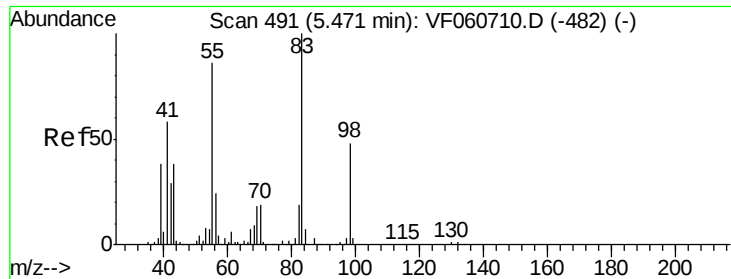
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#38
Carbon Tetrachloride
Concen: 54.84 ug/l
RT: 4.00 min Scan# 341
Delta R.T. -0.00 min
Lab File: VF060816.D
Acq: 20 Nov 2018 21:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.0	80.7	121.1
121	32.5	24.3	36.5





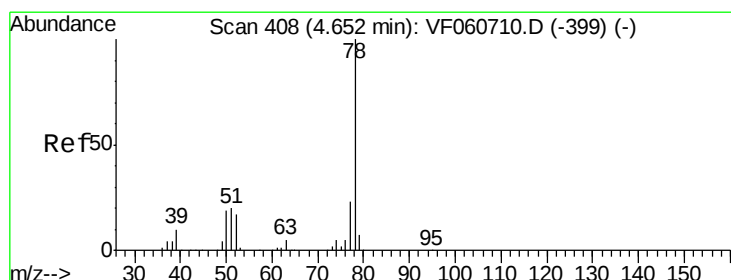
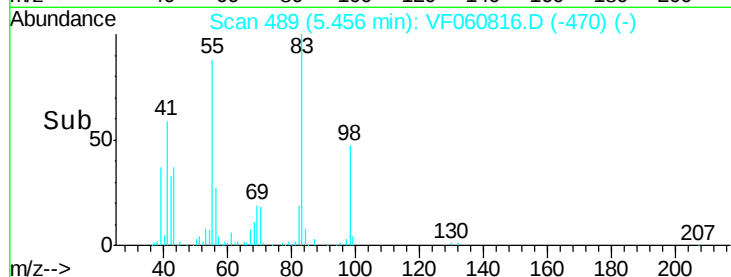
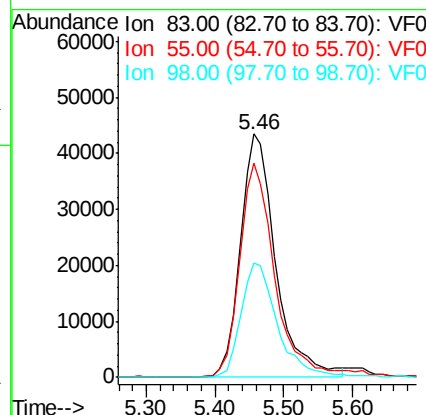
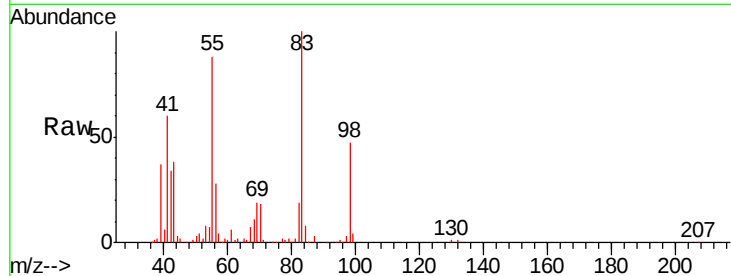
#39
Methylcyclohexane
Concen: 43.95 ug/l
RT: 5.46 min Scan# 489
Delta R.T. -0.01 min
Lab File: VF060816.D
Acq: 20 Nov 2018 21:33

Instrument :
MSVOA_F
ClientSampleId :
DTW-02(11-13)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	154533		
55	88.1	69.0	103.4	
98	47.2	38.5	57.7	

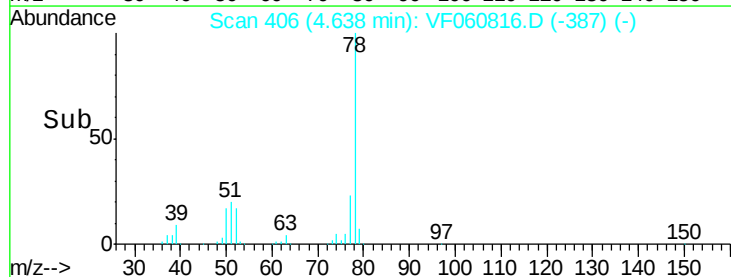
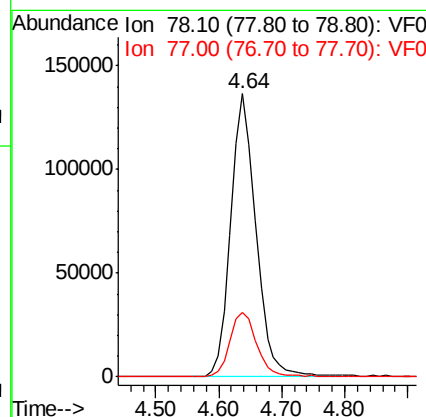
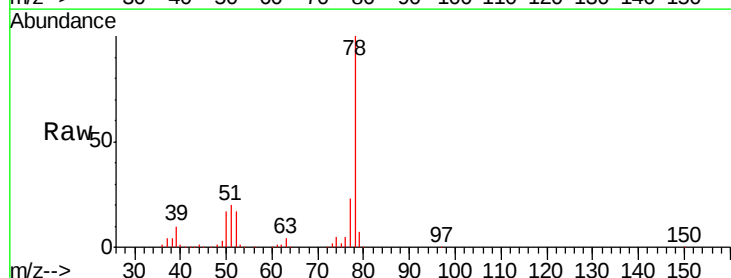
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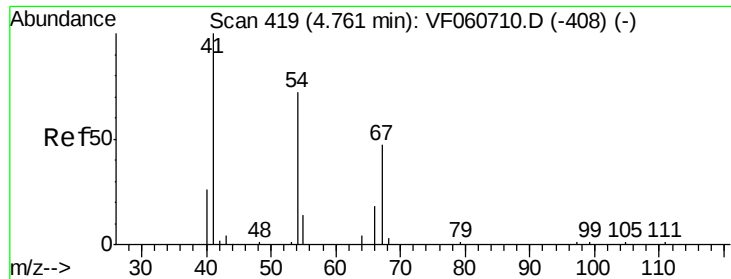
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#40
Benzene
Concen: 56.29 ug/l
RT: 4.64 min Scan# 406
Delta R.T. -0.01 min
Lab File: VF060816.D
Acq: 20 Nov 2018 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	380281		
77	22.7	18.6	28.0	





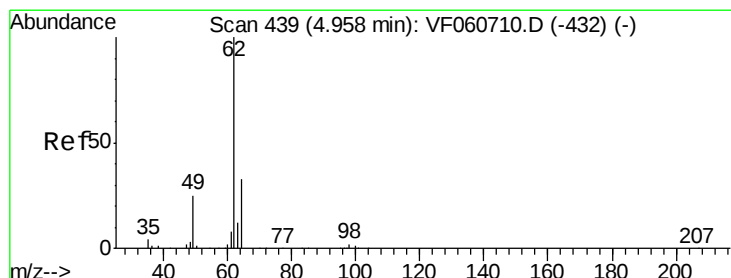
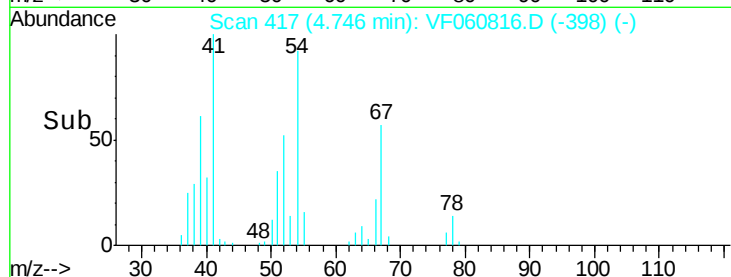
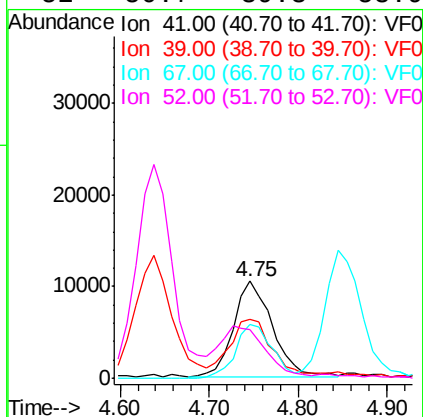
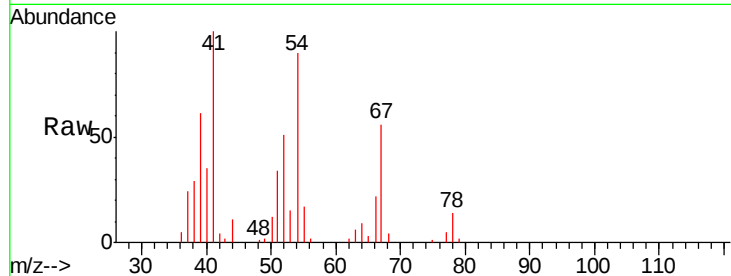
#41
Methacrylonitrile
Concen: 52.42 ug/l
RT: 4.75 min Scan# 417
Delta R.T. -0.01 min
Lab File: VF060816.D
Acq: 20 Nov 2018 21:33

Instrument :
MSVOA_F
ClientSampleId :
DTW-02(11-13)MSD

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.0	47.1	70.7
67	56.0	37.1	55.7
52	50.7	39.3	58.9

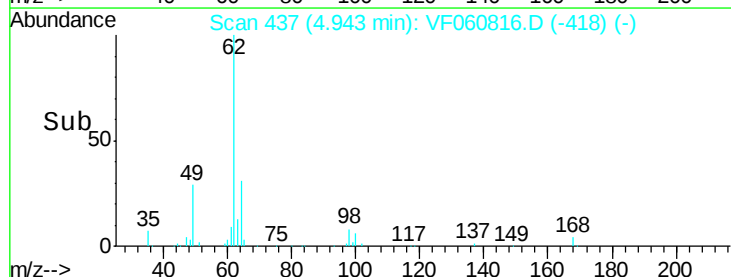
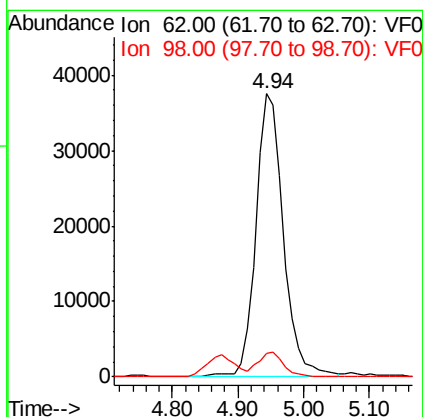
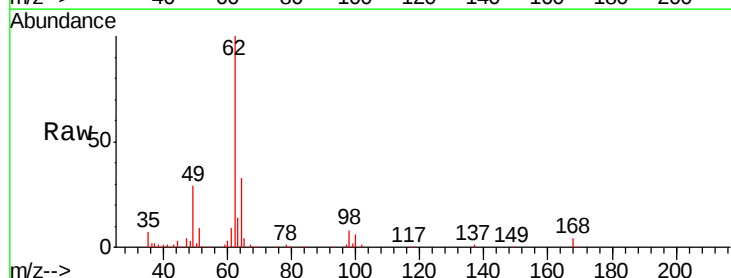
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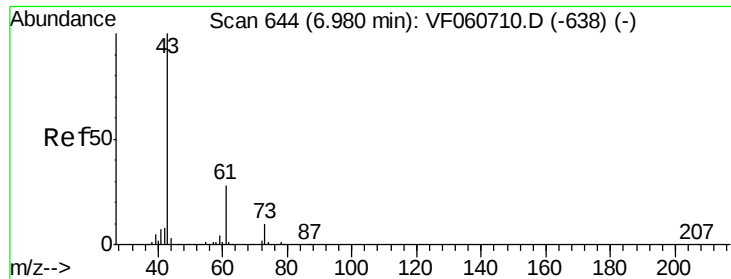
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#42
1,2-Dichloroethane
Concen: 47.20 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.01 min
Lab File: VF060816.D
Acq: 20 Nov 2018 21:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.6





#43

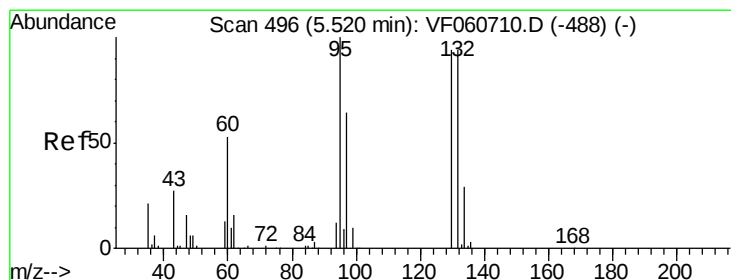
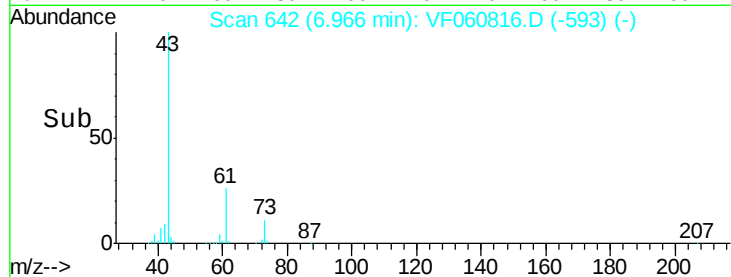
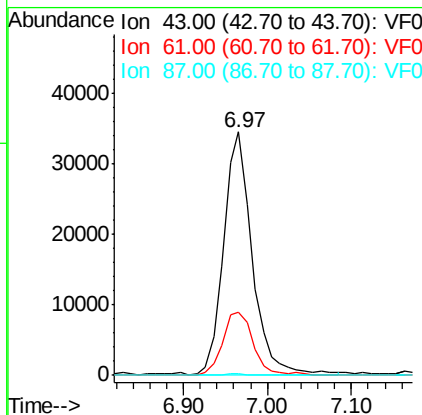
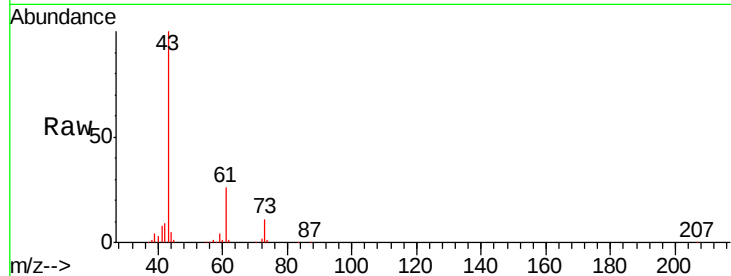
Isopropyl Acetate
 Concen: 53.54 ug/l
 RT: 6.97 min Scan# 642
 Delta R.T. -0.01 min
 Lab File: VF060816.D
 Acq: 20 Nov 2018 21:33

Instrument :
 MSVOA_F
 ClientSampleId :
 DTW-02(11-13)MSD

Tgt Ion	Ratio	Lower	Upper
43	100		
61	25.7	22.2	33.4
87	0.5	0.4	0.6

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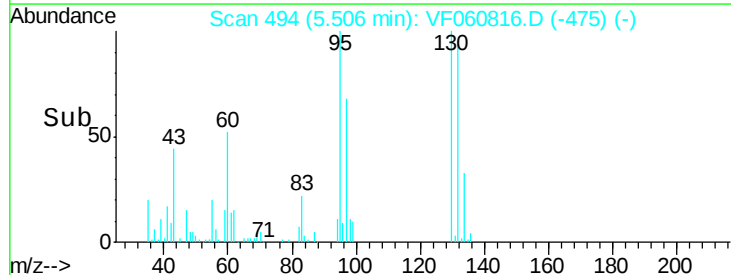
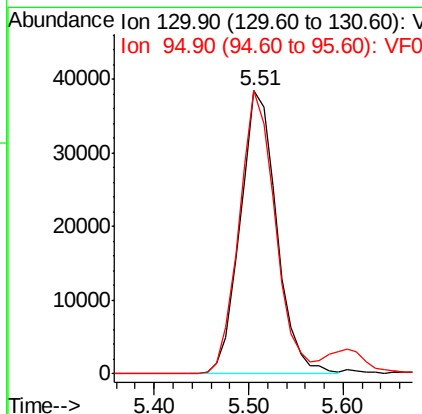
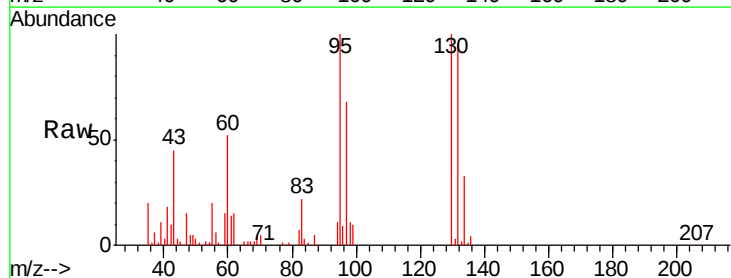
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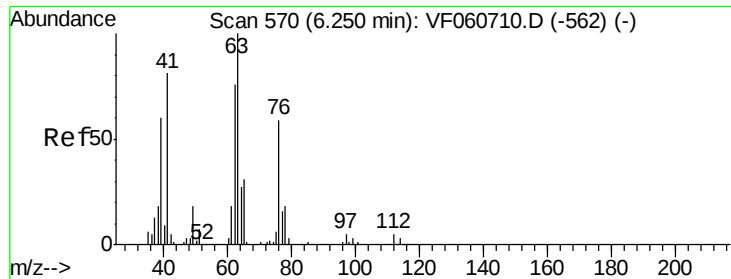


#44

Trichloroethene
 Concen: 48.22 ug/l
 RT: 5.51 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VF060816.D
 Acq: 20 Nov 2018 21:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	212.6





#45

1,2-Dichloropropane

Concen: 58.16 ug/l

RT: 6.24 min Scan# 568

Delta R.T. -0.01 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Instrument :

MSVOA_F

ClientSampleId :

DTW-02(11-13)MSD

Tgt Ion: 63 Resp: 102251

Ion Ratio Lower Upper

63 100

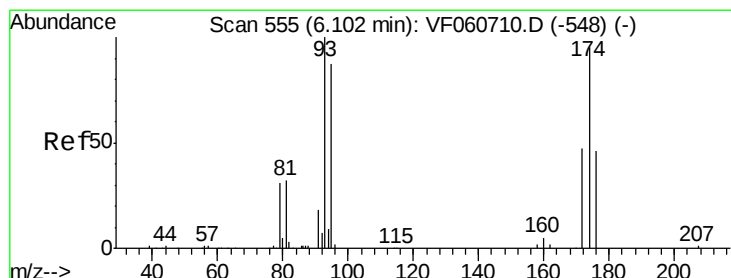
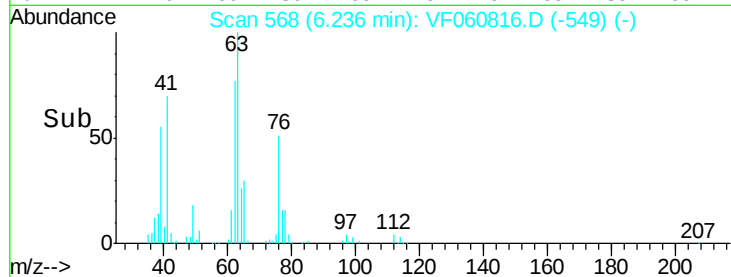
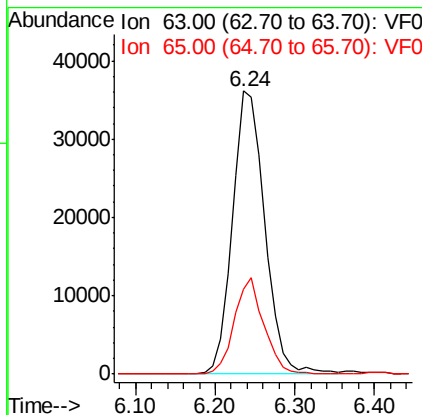
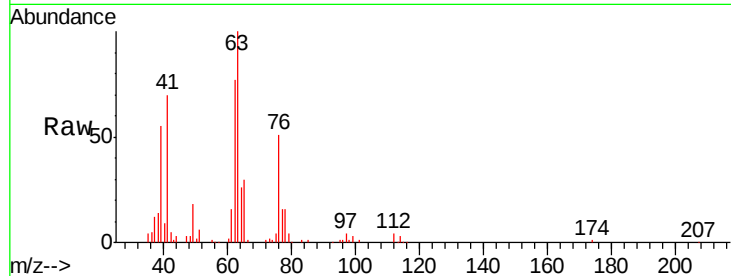
65 29.8 24.6 36.8

Manual Integrations

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#46

Dibromomethane

Concen: 46.49 ug/l

RT: 6.09 min Scan# 553

Delta R.T. -0.01 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

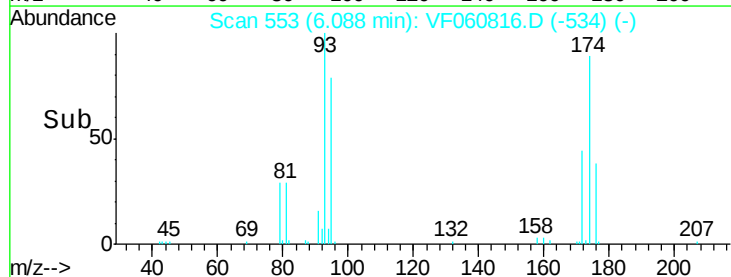
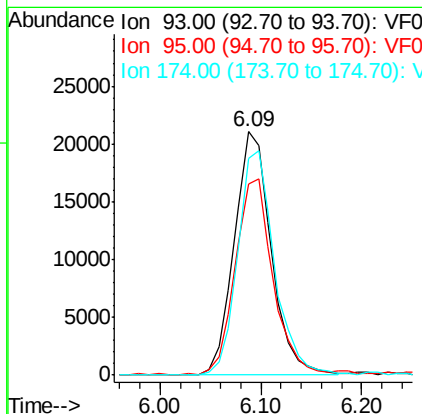
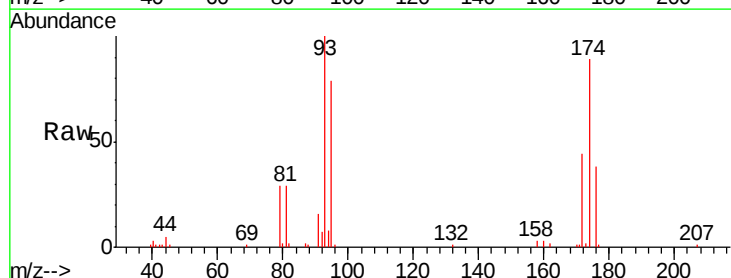
Tgt Ion: 93 Resp: 53957

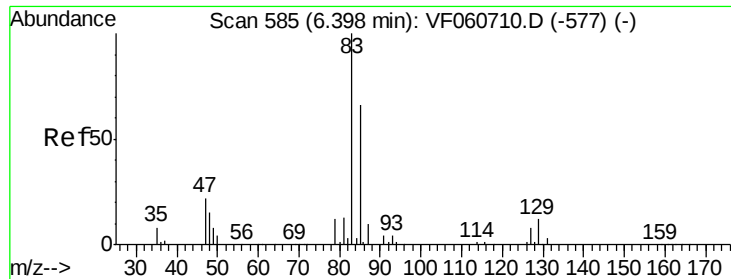
Ion Ratio Lower Upper

93 100

95 78.7 69.5 104.3

174 88.8 76.2 114.2





#47

Bromodichloromethane

Concen: 51.95 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.00 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Instrument :

MSVOA_F

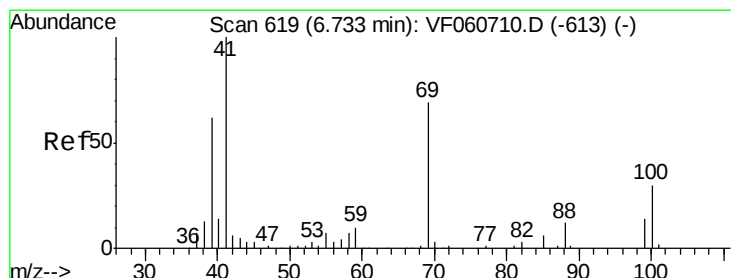
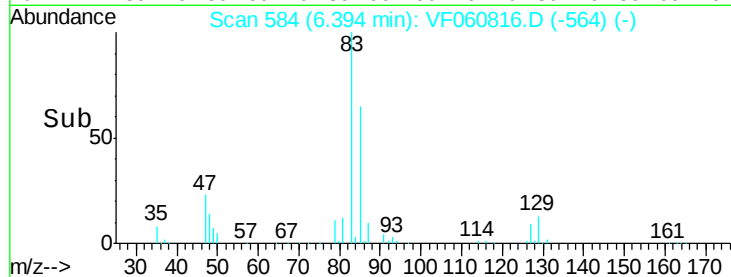
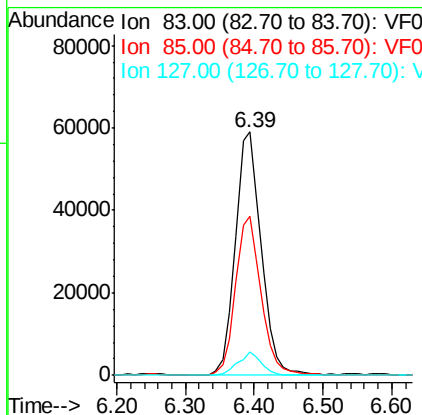
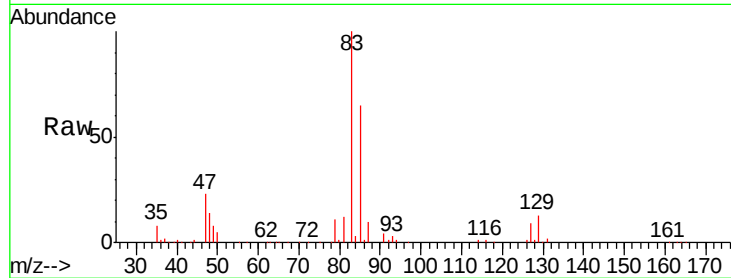
ClientSampleId :

DTW-02(11-13)MSD

Tgt Ion:	83	Resp:	153952
Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.4	78.6
127	9.5	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.81 ug/l

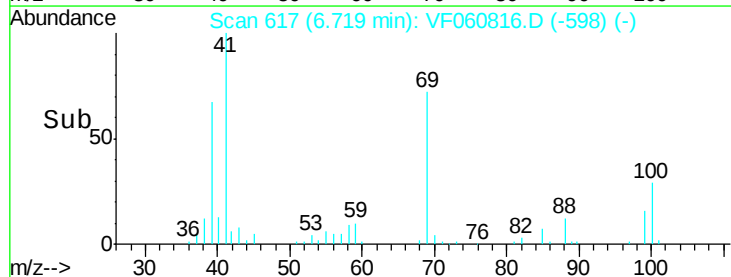
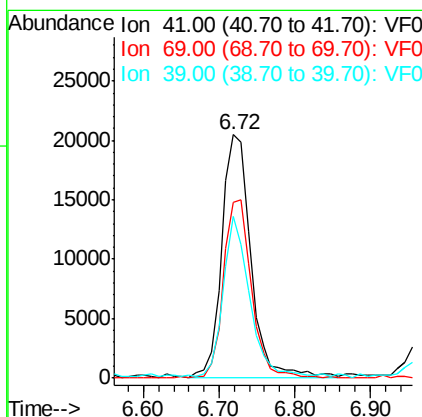
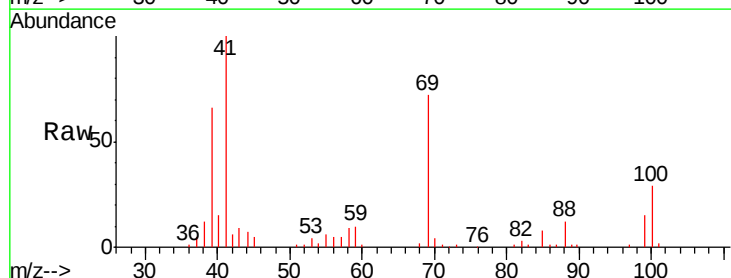
RT: 6.72 min Scan# 617

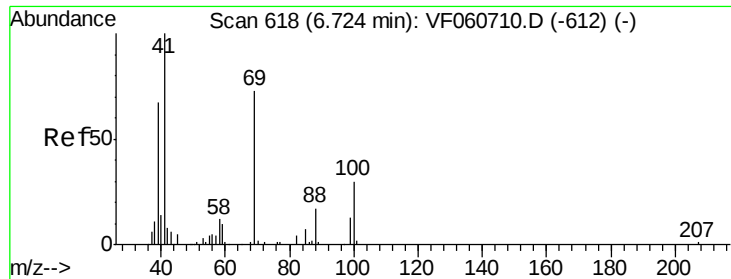
Delta R.T. -0.01 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Tgt Ion:	41	Resp:	55178
Ion	Ratio	Lower	Upper
41	100		
69	72.2	54.9	82.3
39	66.3	49.6	74.4





#49

1,4-Dioxane

Concen: 973.72 ug/l

RT: 6.71 min Scan# 616

Delta R.T. -0.01 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Instrument :

MSVOA_F

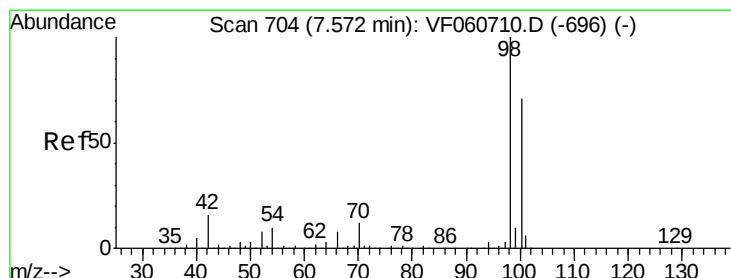
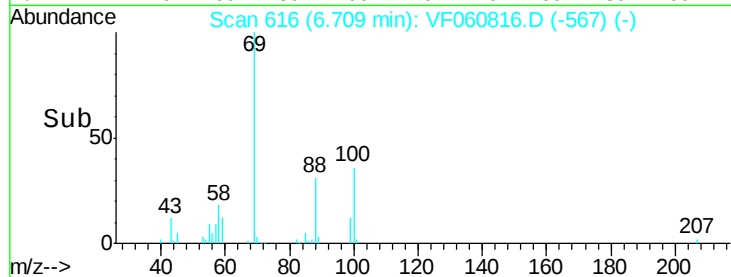
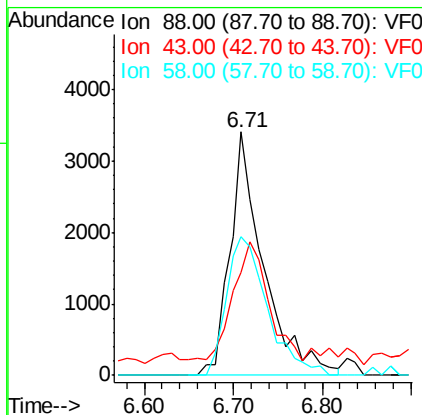
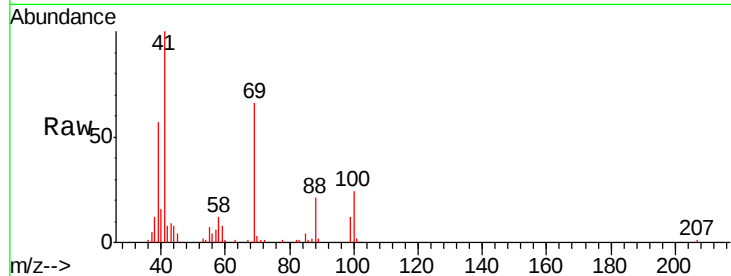
ClientSampleId :

DTW-02(11-13)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	9004		
43	42.0		44.6	66.8#
58	56.9		54.5	81.7

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#50

Toluene-d8

Concen: 55.08 ug/l

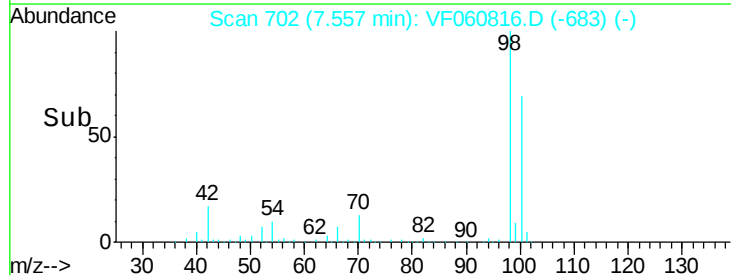
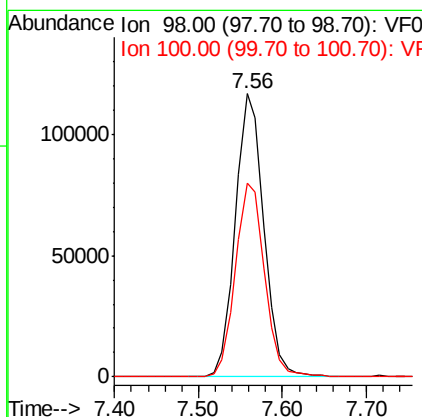
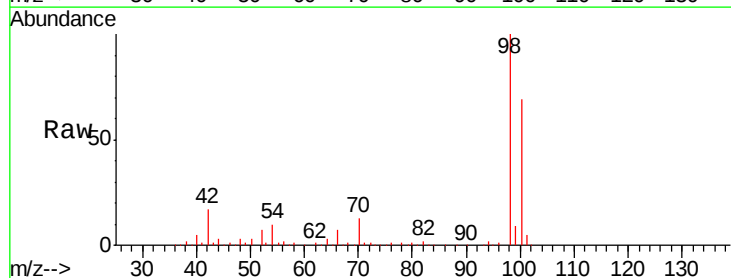
RT: 7.56 min Scan# 702

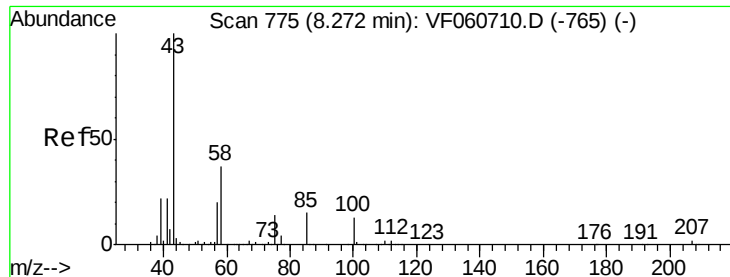
Delta R.T. -0.01 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	275788		
100	68.6		56.5	84.7





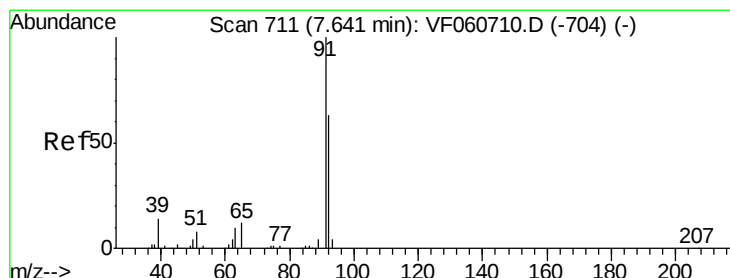
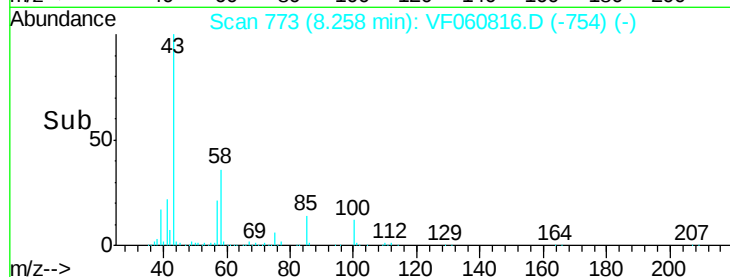
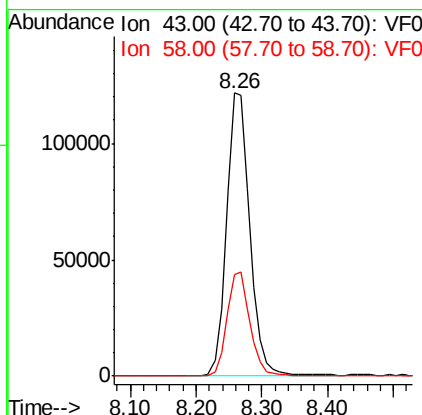
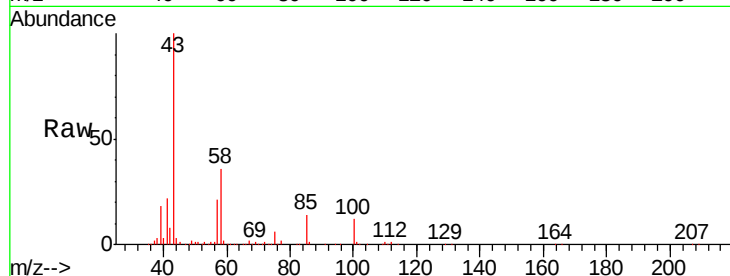
#51
4-Methyl-2-Pentanone
Concen: 280.19 ug/l
RT: 8.26 min Scan# 773
Delta R.T. -0.01 min
Lab File: VF060816.D
Acq: 20 Nov 2018 21:33

Instrument :
MSVOA_F
ClientSampleId :
DTW-02(11-13)MSD

Tgt Ion: 43 Resp: 302749
Ion Ratio Lower Upper
43 100
58 36.1 29.2 43.8

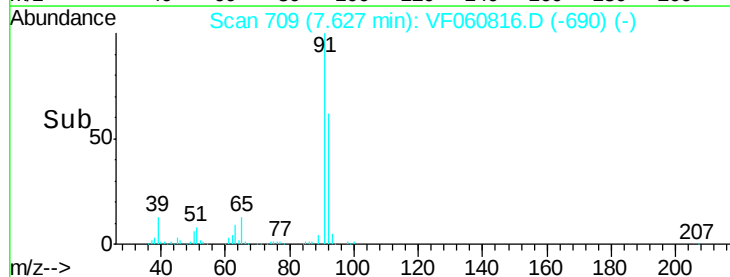
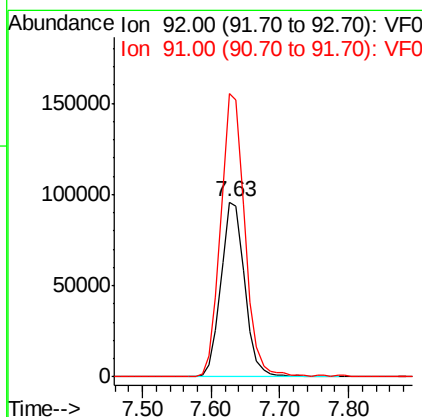
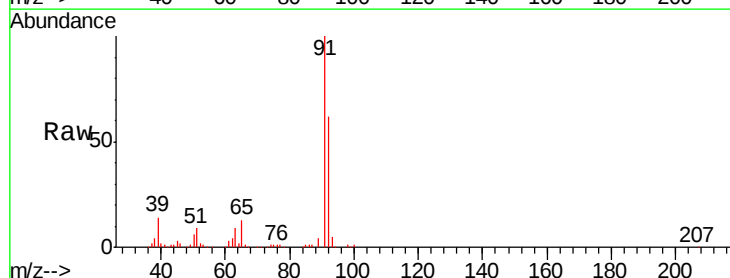
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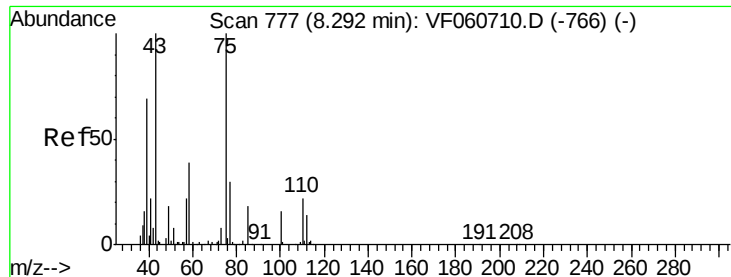
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#52
Toluene
Concen: 50.74 ug/l
RT: 7.63 min Scan# 709
Delta R.T. -0.01 min
Lab File: VF060816.D
Acq: 20 Nov 2018 21:33

Tgt Ion: 92 Resp: 229706
Ion Ratio Lower Upper
92 100
91 161.6 126.7 190.1





#53

t-1,3-Dichloropropene

Concen: 41.13 ug/l

RT: 8.29 min Scan# 776

Delta R.T. -0.00 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Instrument :

MSVOA_F

ClientSampleId :

DTW-02(11-13)MSD

Tgt Ion: 75 Resp: 97622

Ion Ratio Lower Upper

75 100

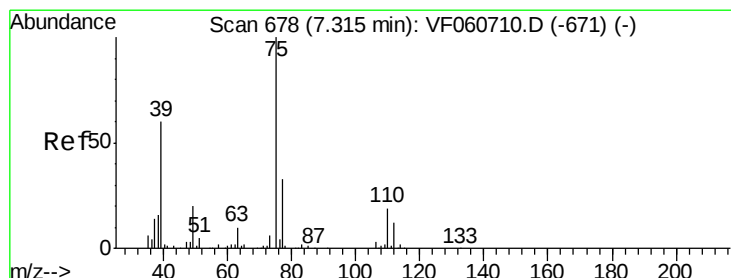
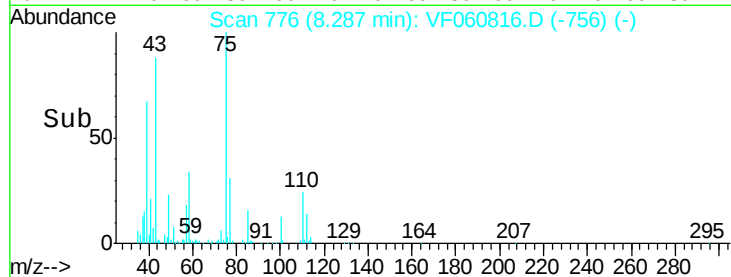
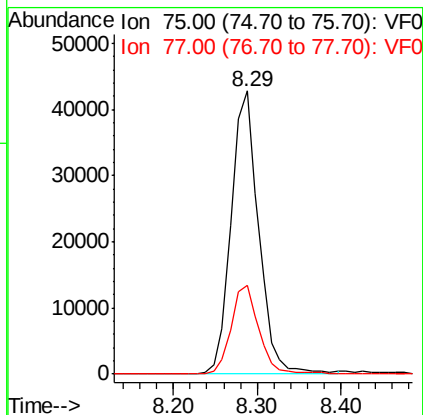
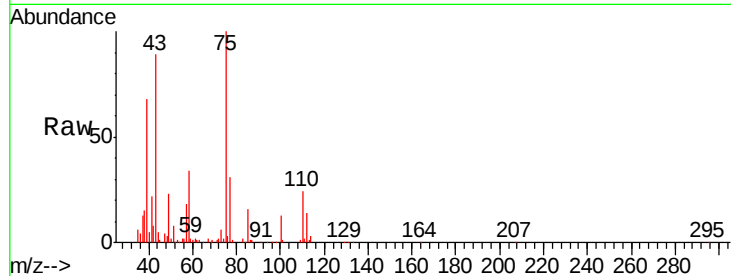
77 31.4 24.6 36.8

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#54

cis-1,3-Dichloropropene

Concen: 45.05 ug/l

RT: 7.31 min Scan# 677

Delta R.T. -0.00 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

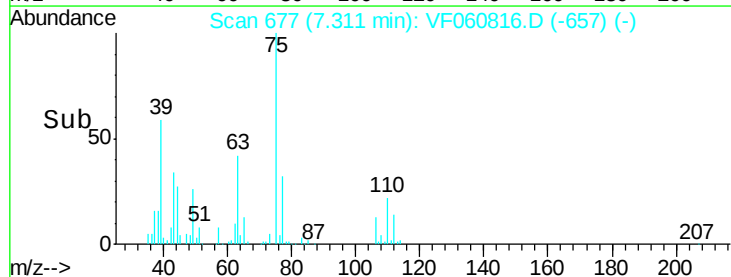
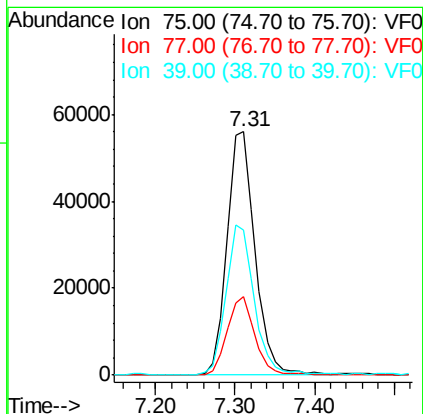
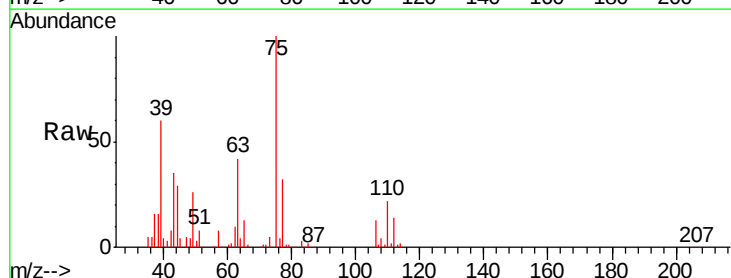
Tgt Ion: 75 Resp: 138901

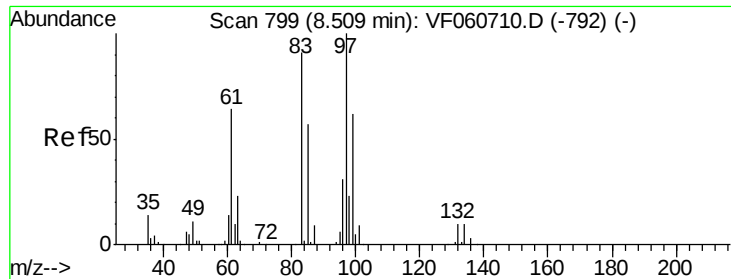
Ion Ratio Lower Upper

75 100

77 32.0 26.5 39.7

39 59.6 48.5 72.7





#55

1,1,2-Trichloroethane

Concen: 52.88 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.01 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Instrument :

MSVOA_F

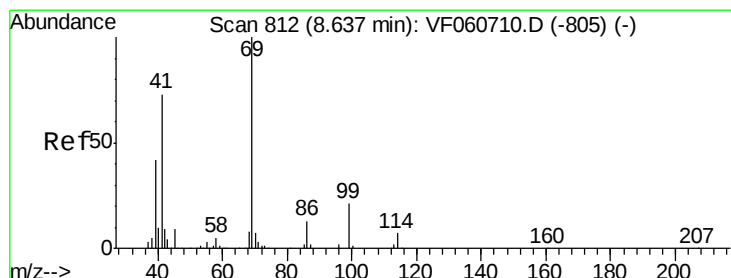
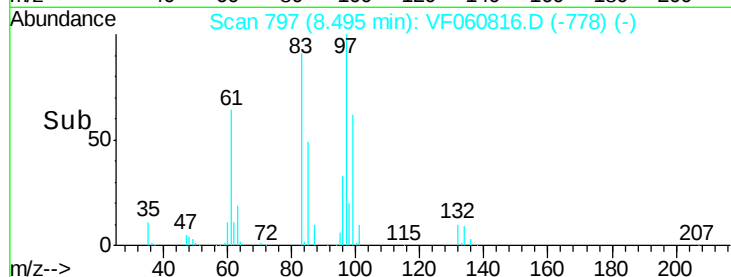
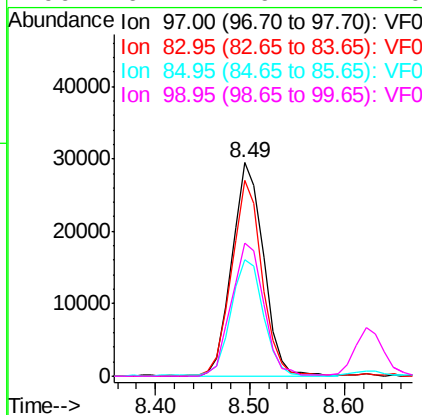
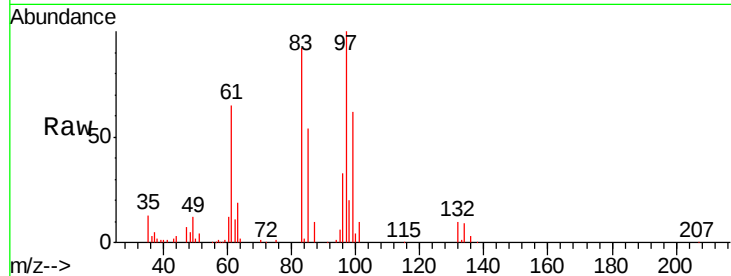
ClientSampleId :

DTW-02(11-13)MSD

Tgt Ion:	97	Resp:	68401
Ion	Ratio	Lower	Upper
97	100		
83	91.8	72.8	109.2
85	54.3	45.8	68.6
99	62.4	49.4	74.0

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#56

Ethyl methacrylate

Concen: 53.40 ug/l

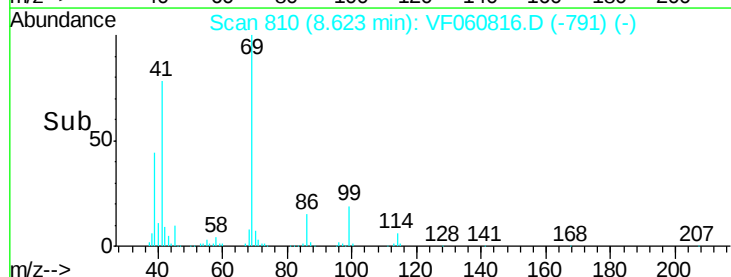
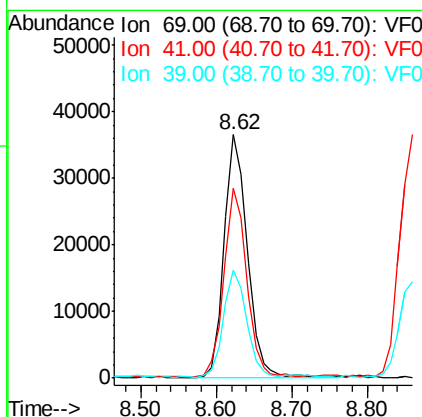
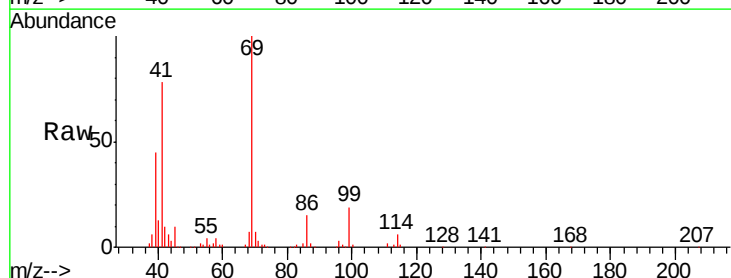
RT: 8.62 min Scan# 810

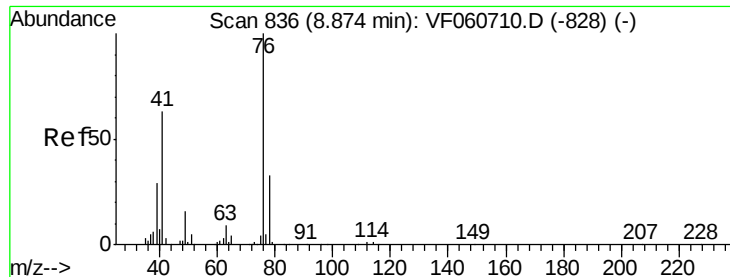
Delta R.T. -0.01 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Tgt Ion:	69	Resp:	78445
Ion	Ratio	Lower	Upper
69	100		
41	78.0	59.0	88.6
39	44.5	34.0	51.0





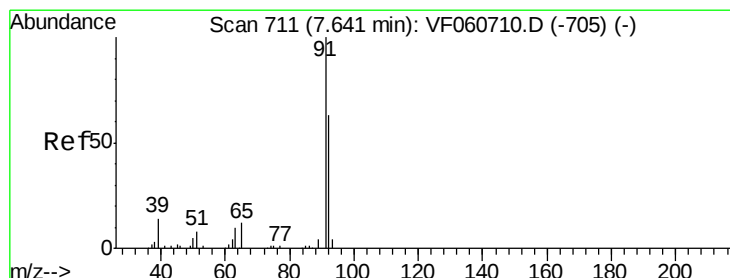
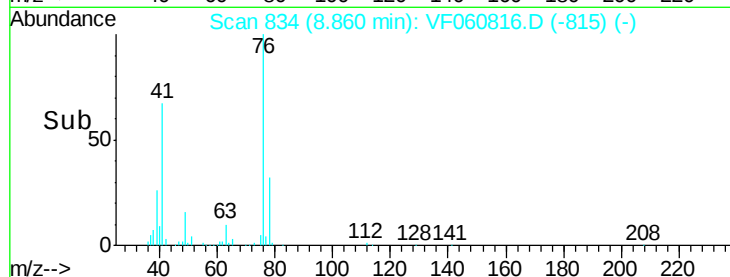
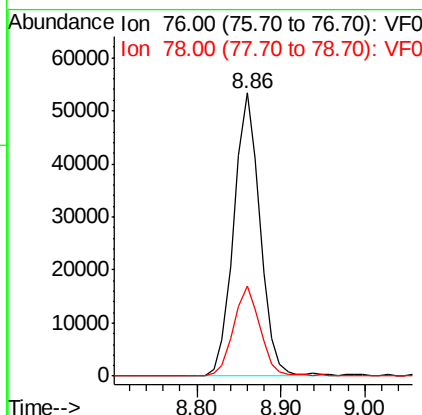
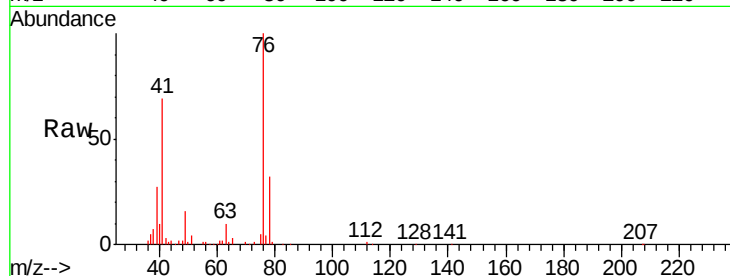
#57
 1,3-Dichloropropane
 Concen: 51.86 ug/l
 RT: 8.86 min Scan# 834
 Delta R.T. -0.01 min
 Lab File: VF060816.D
 Acq: 20 Nov 2018 21:33

Instrument :
 MSVOA_F
 ClientSampleId :
 DTW-02(11-13)MSD

Tgt Ion	Ratio	Lower	Upper
76	100		
78	31.7	26.6	39.8

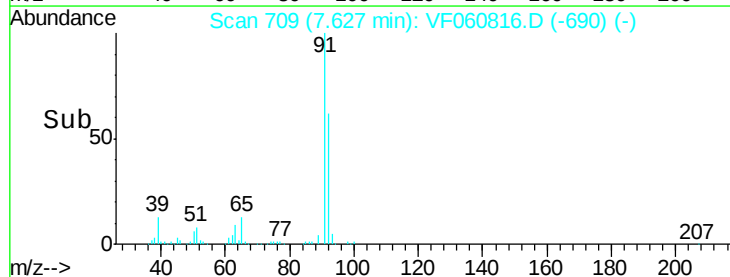
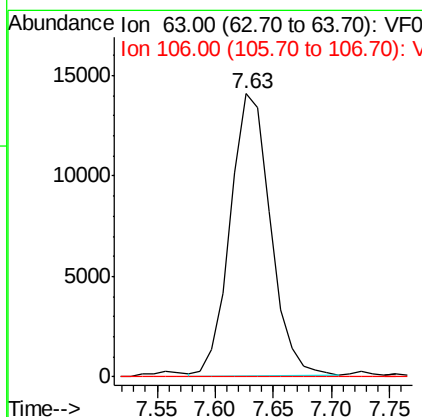
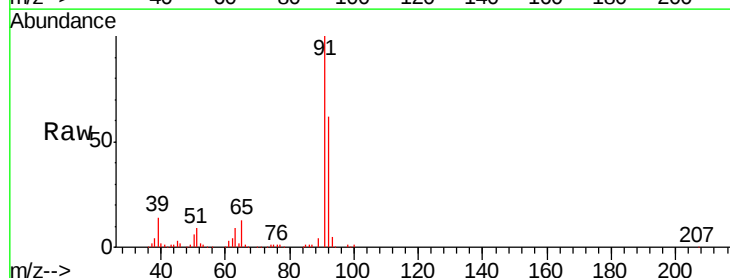
Manual Integrations
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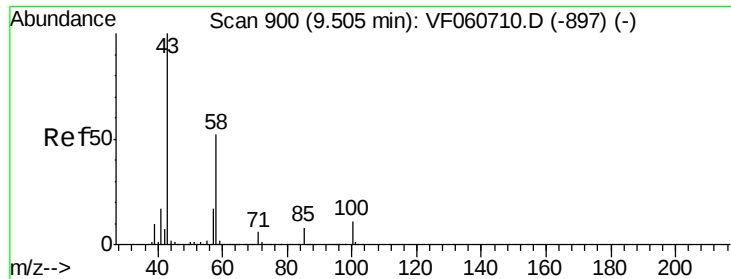
apatel
 11/21/2018 2:41:07 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 249.91 ug/l
 RT: 7.63 min Scan# 709
 Delta R.T. -0.01 min
 Lab File: VF060816.D
 Acq: 20 Nov 2018 21:33

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





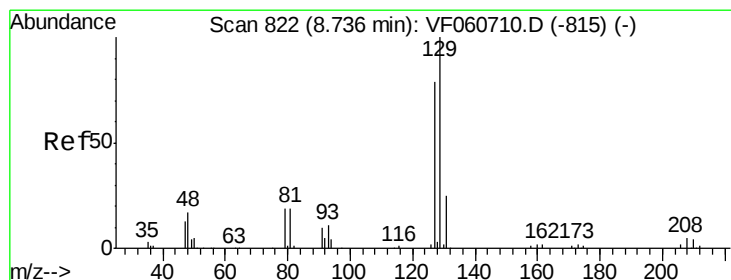
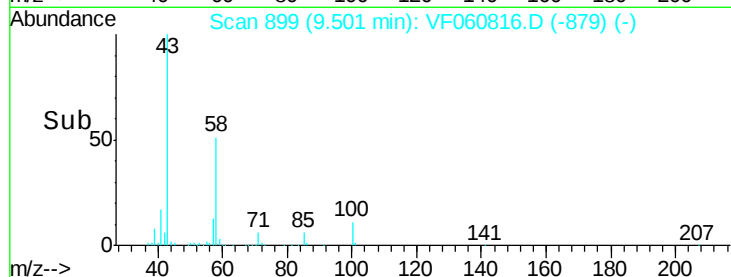
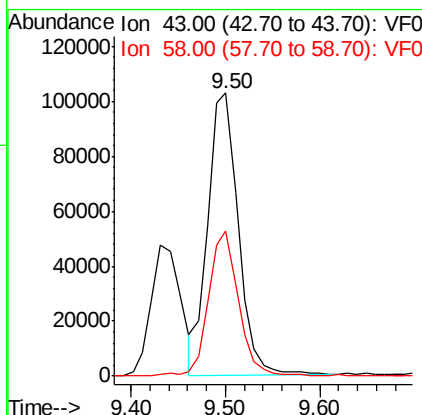
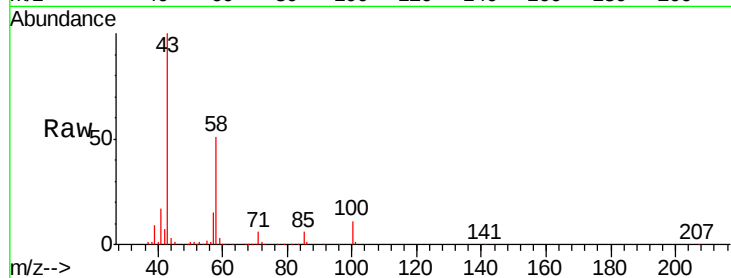
#59
2-Hexanone
Concen: 303.31 ug/l
RT: 9.50 min Scan# 899
Delta R.T. -0.00 min
Lab File: VF060816.D
Acq: 20 Nov 2018 21:33

Instrument :
MSVOA_F
ClientSampleId :
DTW-02(11-13)MSD

Tgt Ion: 43 Resp: 230316
Ion Ratio Lower Upper
43 100
58 51.1 24.9 74.7

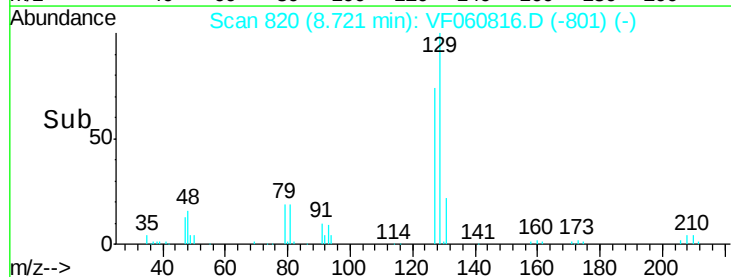
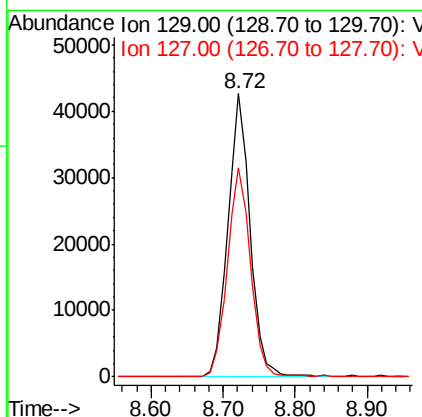
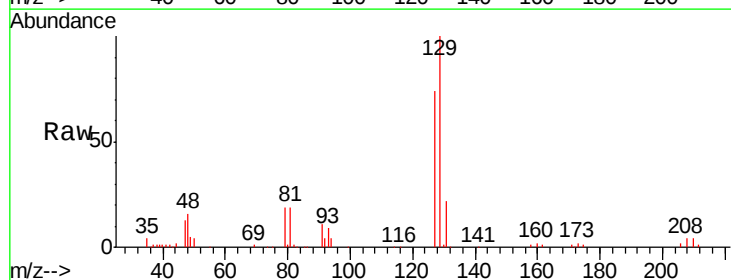
Manual Integrations
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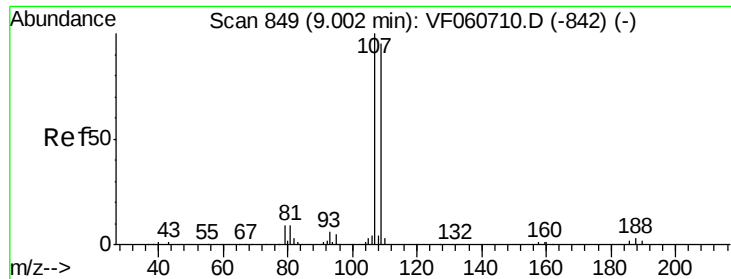
apatel
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#60
Dibromochloromethane
Concen: 49.51 ug/l
RT: 8.72 min Scan# 820
Delta R.T. -0.01 min
Lab File: VF060816.D
Acq: 20 Nov 2018 21:33

Tgt Ion: 129 Resp: 91274
Ion Ratio Lower Upper
129 100
127 74.1 39.7 119.1





#61

1,2-Dibromoethane

Concen: 47.69 ug/l

RT: 9.00 min Scan# 848

Delta R.T. -0.00 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Instrument :

MSVOA_F

ClientSampleId :

DTW-02(11-13)MSD

Tgt Ion: 107 Resp: 64883

Ion Ratio Lower Upper

107 100

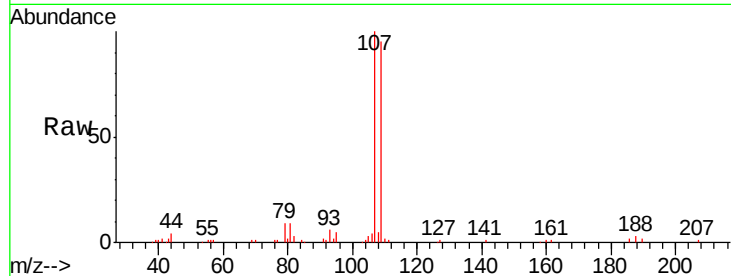
109 95.5 75.9 113.9

Manual Integrations

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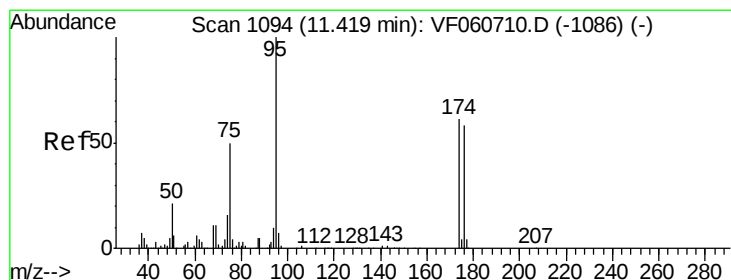
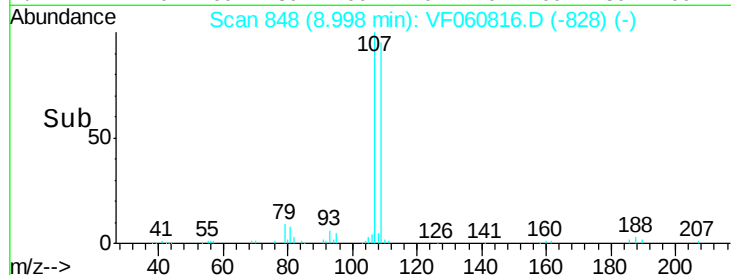
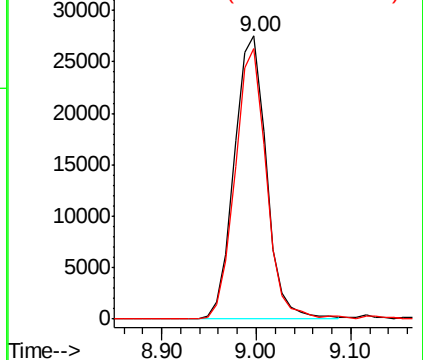
apatel

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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: 49.83 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

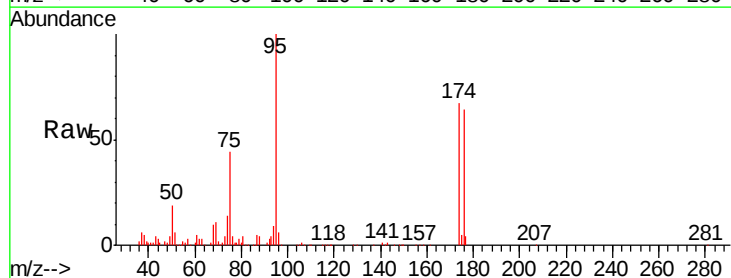
Tgt Ion: 95 Resp: 115864

Ion Ratio Lower Upper

95 100

174 67.3 0.0 121.6

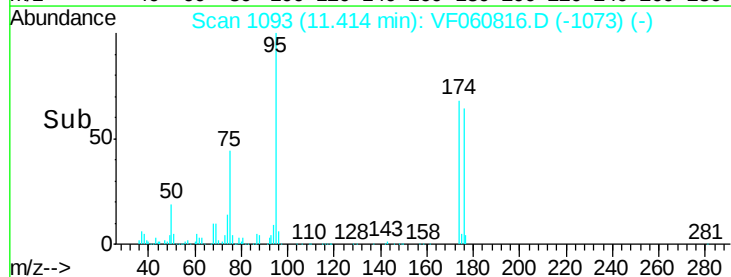
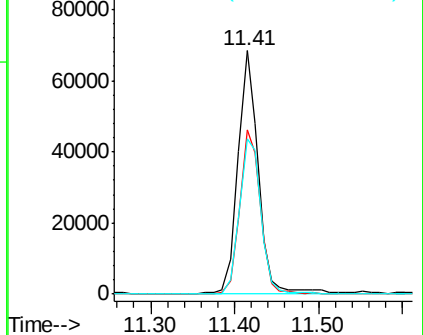
176 63.6 0.0 115.2

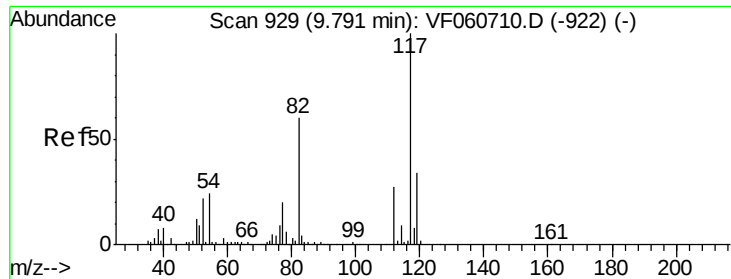


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





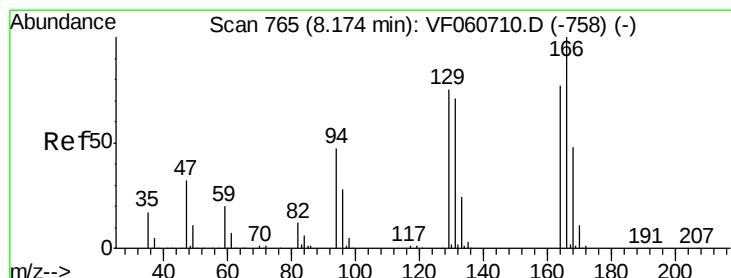
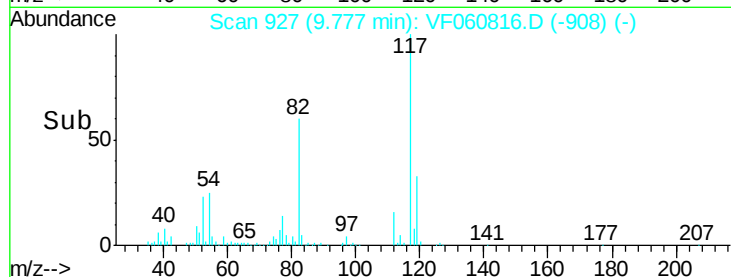
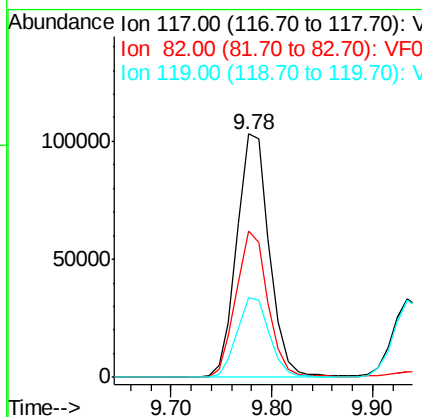
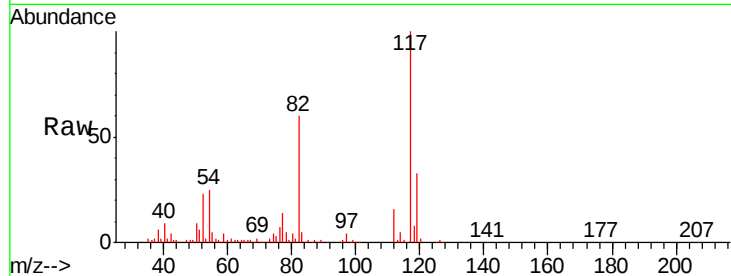
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.78 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF060816.D
Acq: 20 Nov 2018 21:33

Instrument :
MSVOA_F
ClientSampleId :
DTW-02(11-13)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	232700		
82	60.0	47.9	71.9	
119	32.6	26.8	40.2	

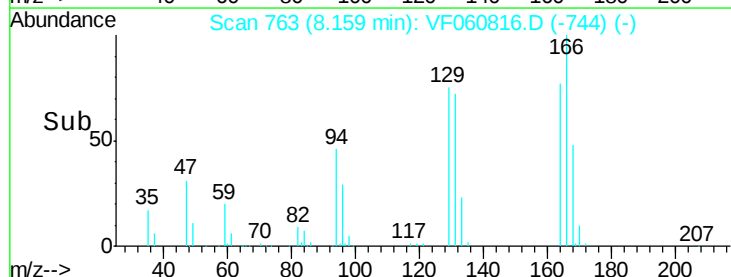
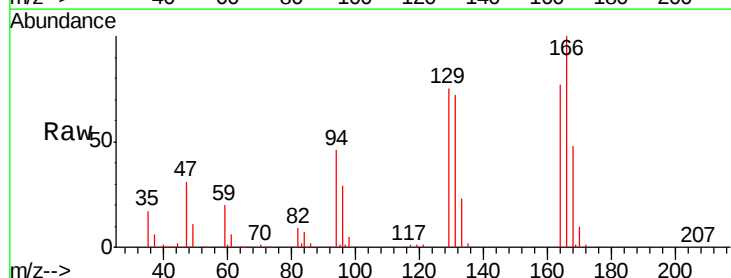
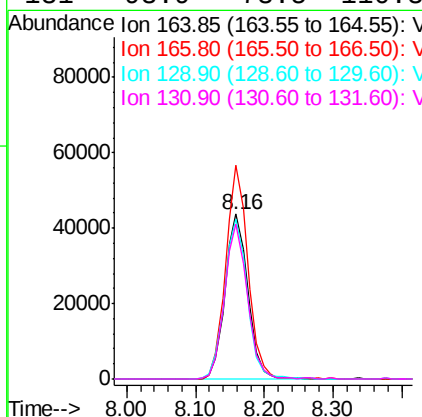
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#64
Tetrachloroethene
Concen: 54.41 ug/l
RT: 8.16 min Scan# 763
Delta R.T. -0.01 min
Lab File: VF060816.D
Acq: 20 Nov 2018 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	100259		
166	129.6	103.5	155.3	
129	97.1	77.4	116.2	
131	93.9	73.5	110.3	





#65

Chlorobenzene

Concen: 50.41 ug/l

RT: 9.81 min Scan# 930

Delta R.T. -0.00 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Instrument :

MSVOA_F

ClientSampleId :

DTW-02(11-13)MSD

Tgt Ion:112 Resp: 236724

Ion Ratio Lower Upper

112 100

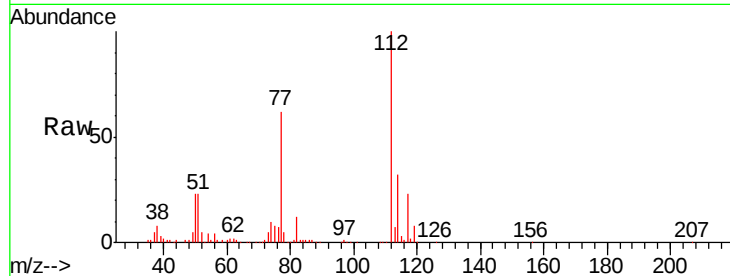
114 32.4 26.1 39.1

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

120000

100000

80000

60000

40000

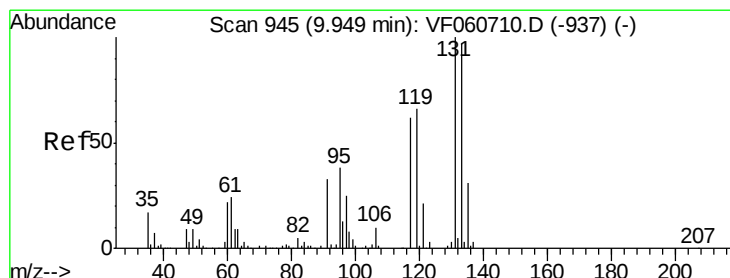
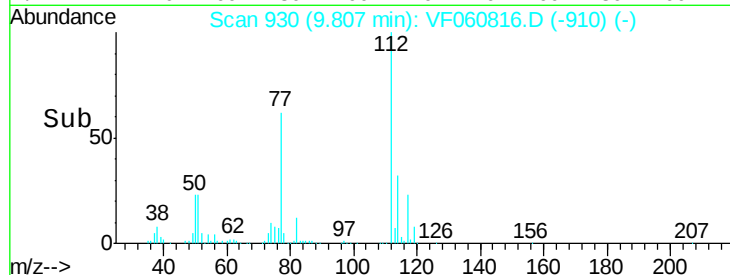
20000

0

9.80

10.00

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 54.03 ug/l

RT: 9.93 min Scan# 943

Delta R.T. -0.01 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

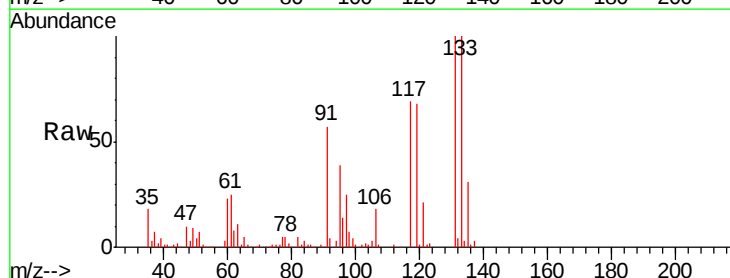
Tgt Ion:131 Resp: 110669

Ion Ratio Lower Upper

131 100

133 99.7 48.3 144.8

119 68.1 33.2 99.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

60000

50000

40000

30000

20000

10000

0

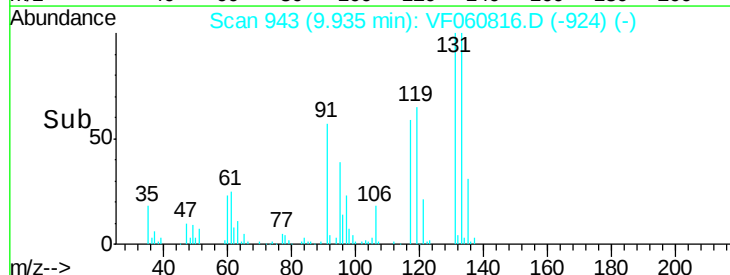
9.80

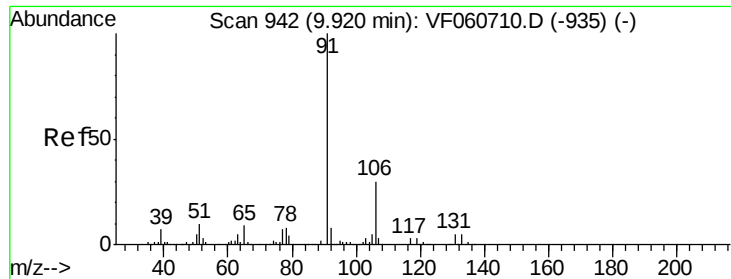
9.90

10.00

10.10

Time-->





#67

Ethyl Benzene

Concen: 50.84 ug/l

RT: 9.91 min Scan# 940

Delta R.T. -0.01 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Instrument :

MSVOA_F

ClientSampleId :

DTW-02(11-13)MSD

Tgt Ion: 91 Resp: 449976

Ion Ratio Lower Upper

91 100

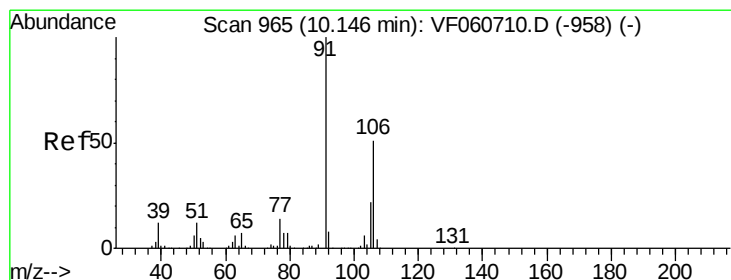
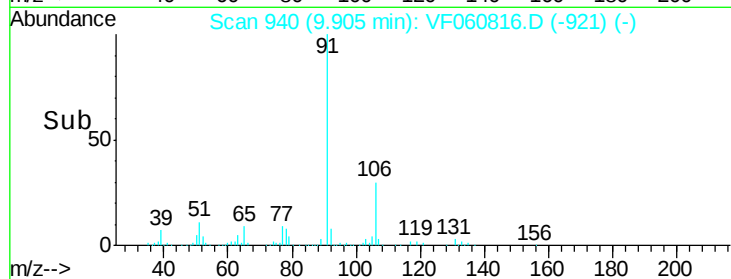
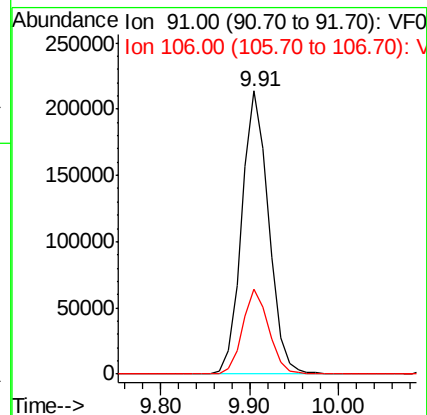
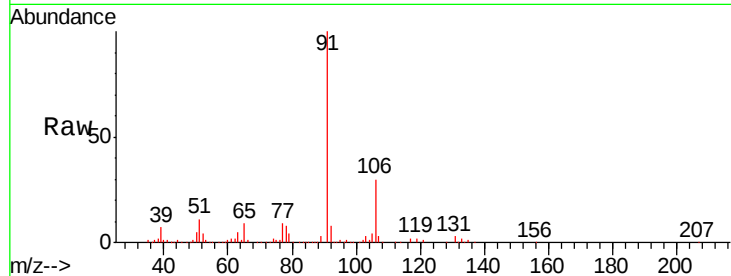
106 30.0 23.9 35.9

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#68

m/p-Xylenes

Concen: 101.30 ug/l

RT: 10.14 min Scan# 964

Delta R.T. -0.00 min

Lab File: VF060816.D

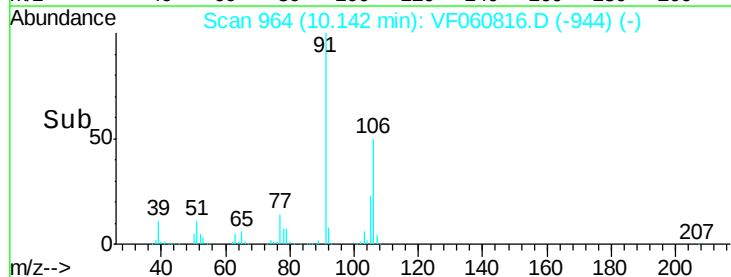
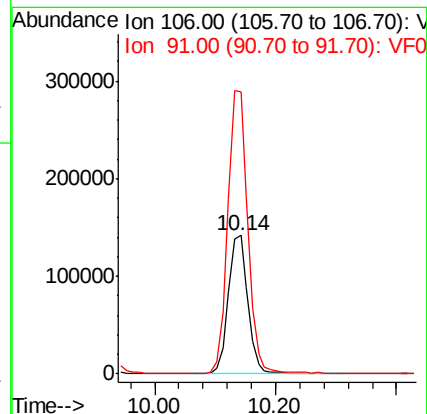
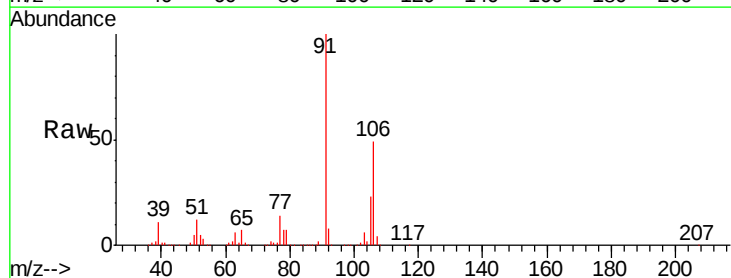
Acq: 20 Nov 2018 21:33

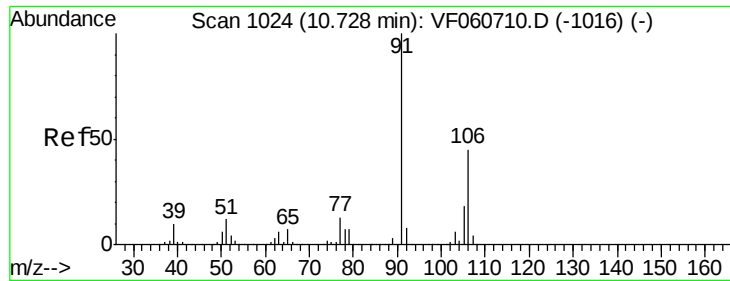
Tgt Ion: 106 Resp: 320420

Ion Ratio Lower Upper

106 100

91 203.8 158.2 237.2





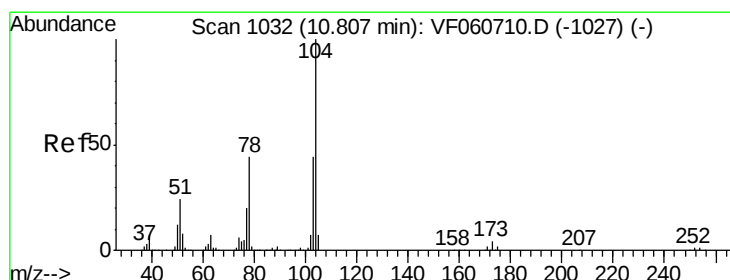
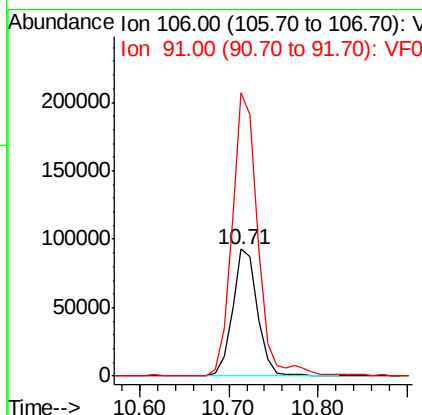
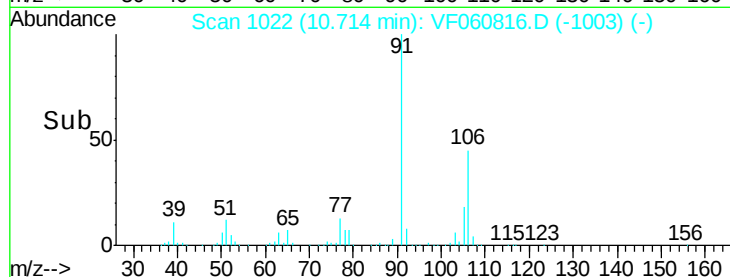
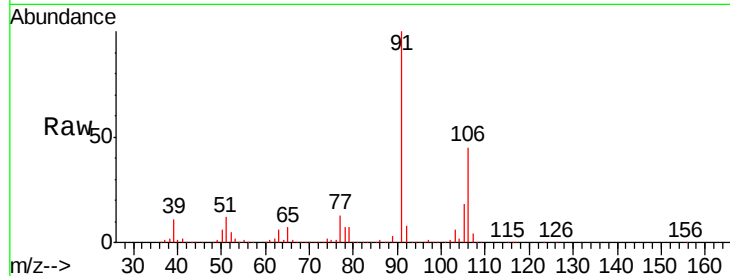
#69
o-Xylene
Concen: 51.34 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.01 min
Lab File: VF060816.D
Acq: 20 Nov 2018 21:33

Instrument :
MSVOA_F
ClientSampleId :
DTW-02(11-13)MSD

Tgt Ion:106 Resp: 182597
Ion Ratio Lower Upper
106 100
91 222.8 110.3 330.9

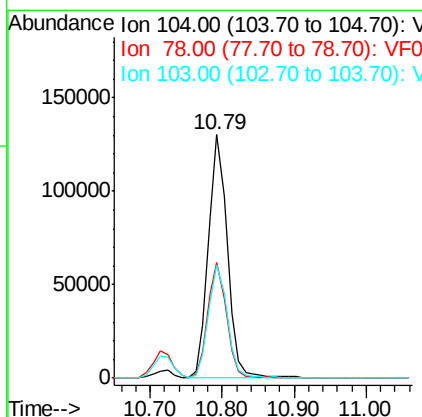
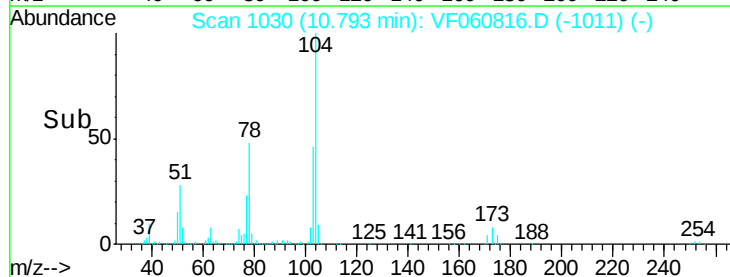
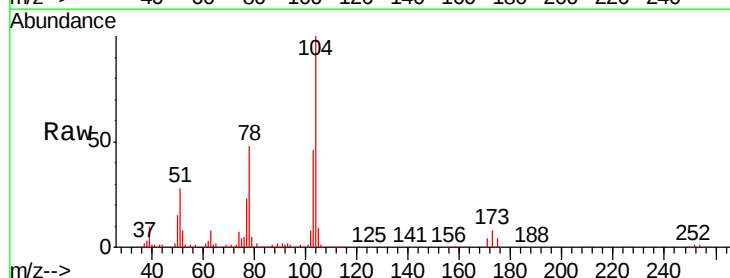
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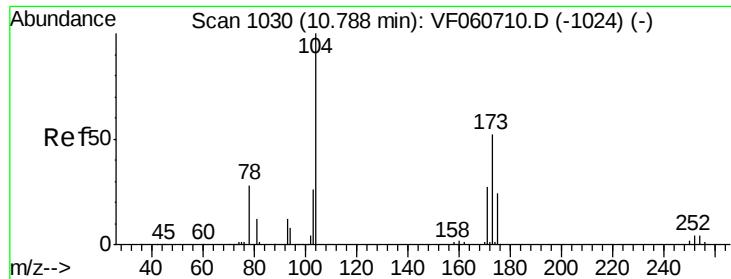
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#70
Styrene
Concen: 49.06 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VF060816.D
Acq: 20 Nov 2018 21:33

Tgt Ion:104 Resp: 236765
Ion Ratio Lower Upper
104 100
78 47.7 35.4 53.2
103 46.2 35.8 53.6





#71

Bromoform

Concen: 48.06 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Instrument :

MSVOA_F

ClientSampleId :

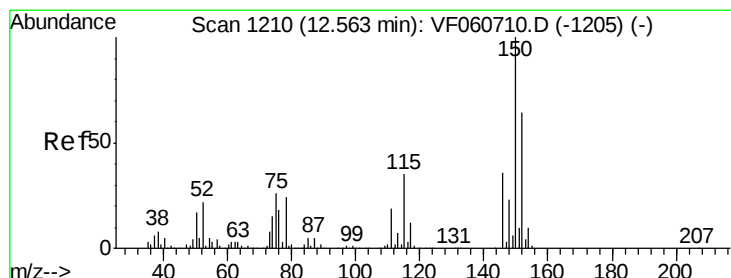
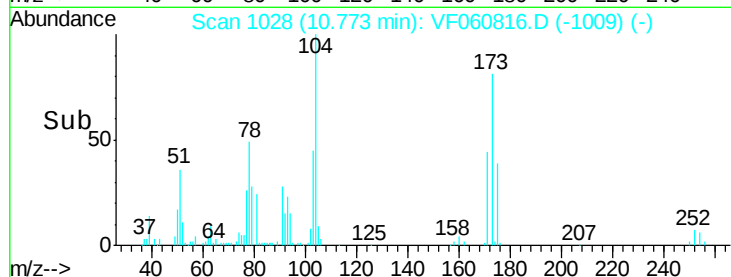
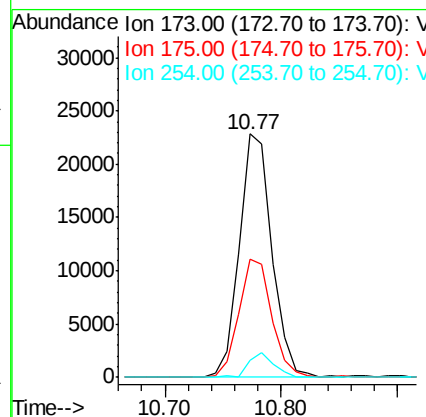
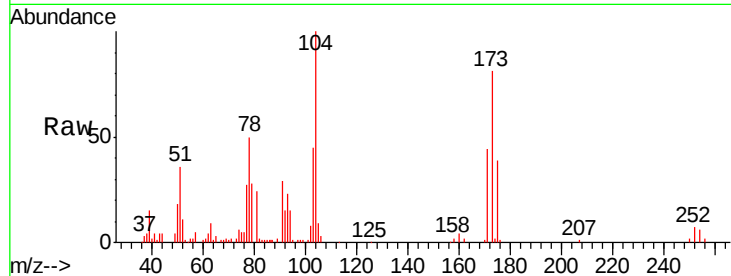
DTW-02(11-13)MSD

Tgt Ion:173 Resp: 44262

Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.4	70.0
254	7.2	5.8	8.8

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.56 min Scan# 1209

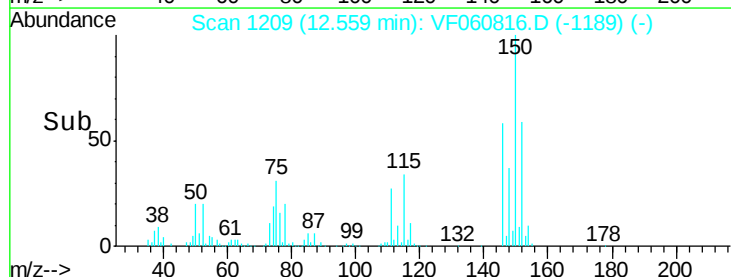
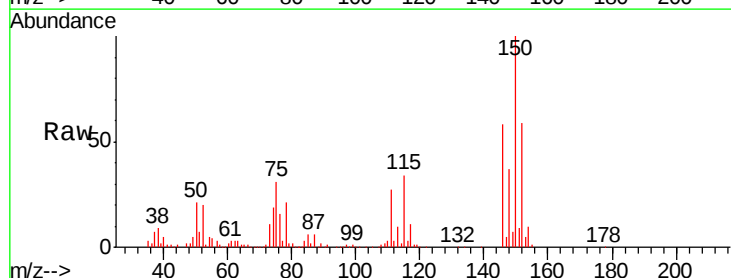
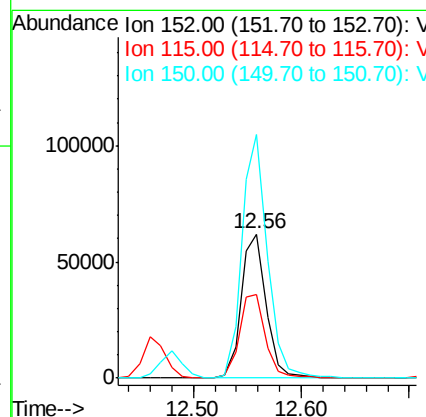
Delta R.T. -0.00 min

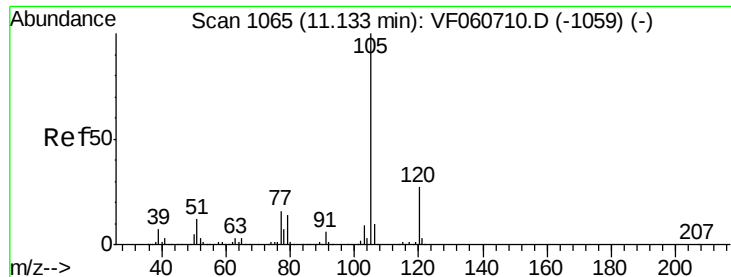
Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Tgt Ion:152 Resp: 99233

Ion	Ratio	Lower	Upper
152	100		
115	57.9	27.9	83.7
150	168.6	0.0	316.4





#73

Isopropylbenzene

Concen: 61.54 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Instrument :

MSVOA_F

ClientSampleId :

DTW-02(11-13)MSD

Tgt Ion: 105 Resp: 491574

Ion Ratio Lower Upper

105 100

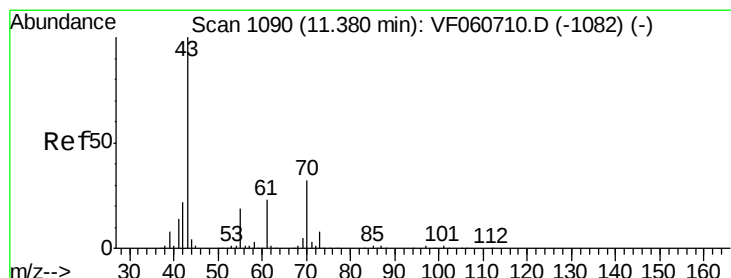
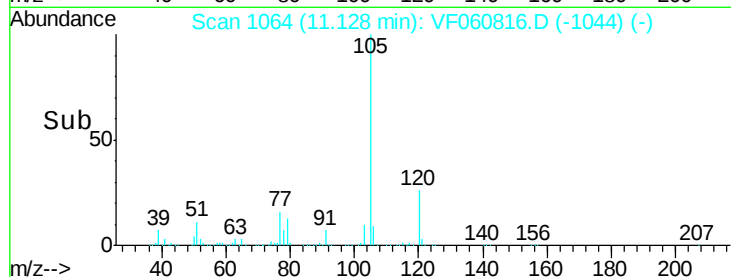
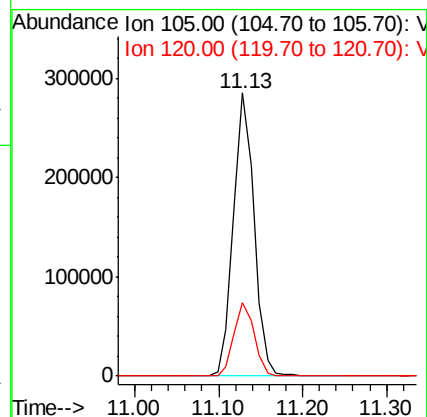
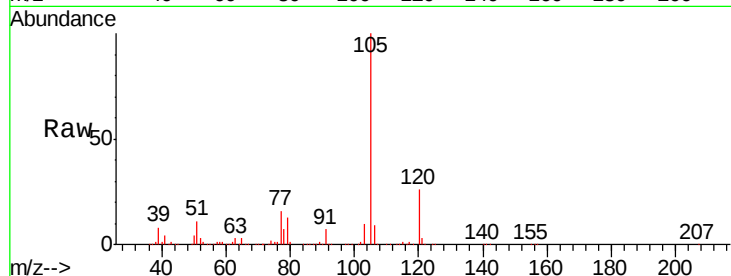
120 26.1 13.4 40.1

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#74

N-ethyl acetate

Concen: 76.13 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Tgt Ion: 43 Resp: 138434

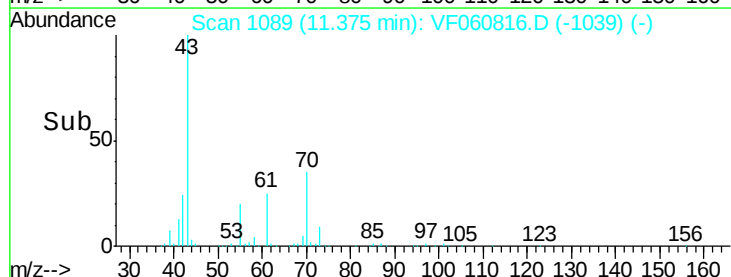
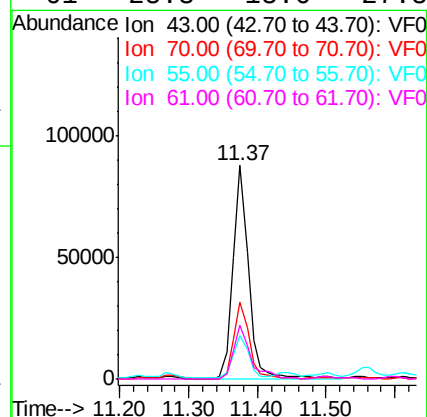
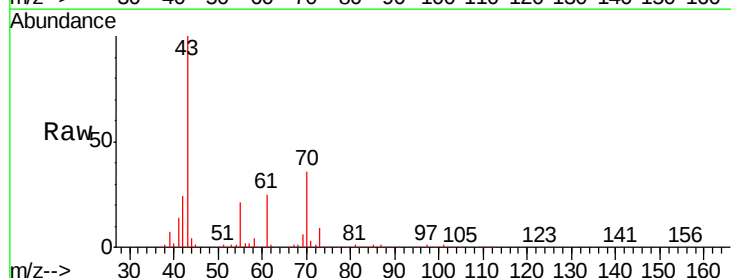
Ion Ratio Lower Upper

43 100

70 35.8 25.5 38.3

55 20.6 14.9 22.3

61 25.3 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 64.85 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Instrument :

MSVOA_F

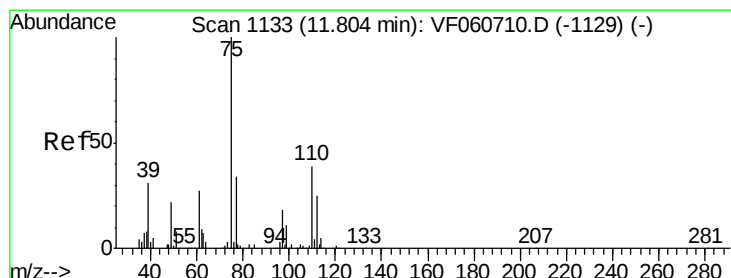
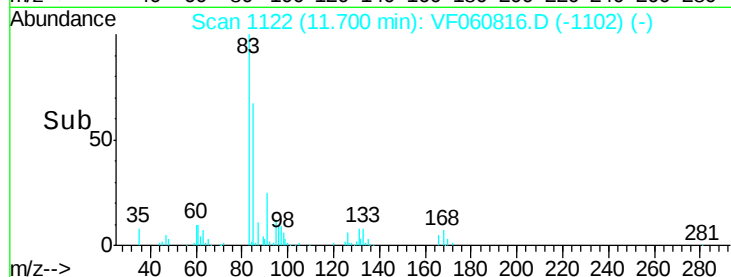
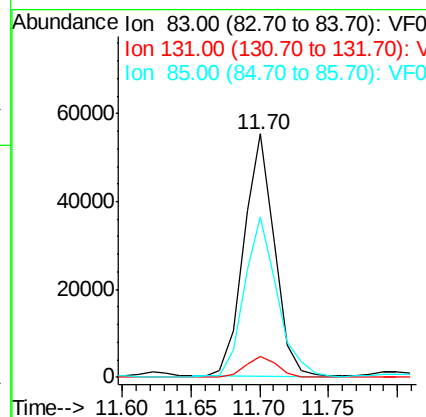
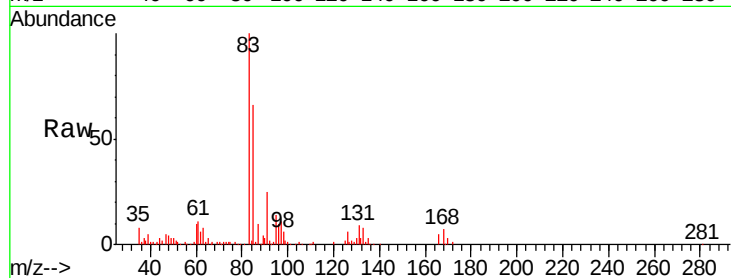
ClientSampleId :

DTW-02(11-13)MSD

Tgt Ion:	83	Resp:	85643
Ion Ratio	Lower	Upper	
83	100		
131	8.8	4.2	12.4
85	66.0	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 60.88 ug/l

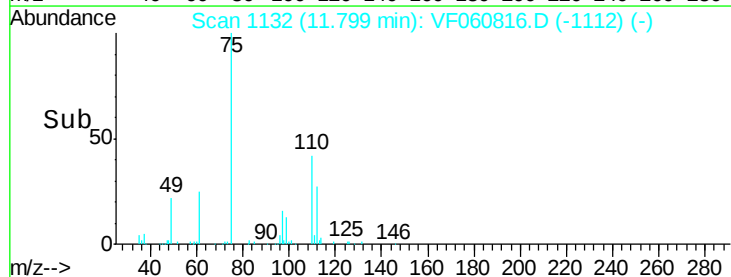
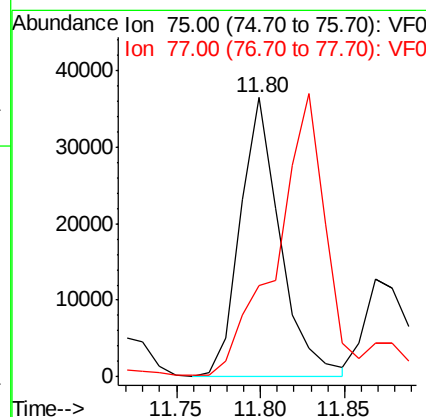
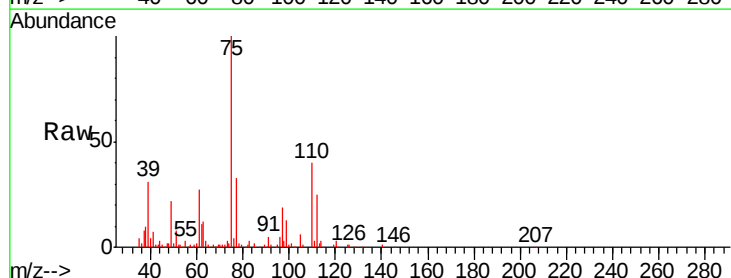
RT: 11.80 min Scan# 1132

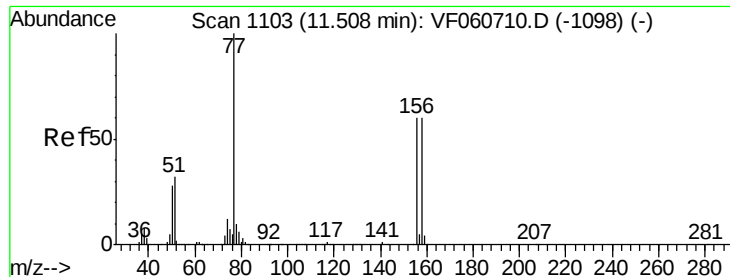
Delta R.T. -0.00 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Tgt Ion:	75	Resp:	59706
Ion Ratio	Lower	Upper	
75	100		
77	32.9	17.0	51.0





#77

Bromobenzene

Concen: 59.27 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Instrument :

MSVOA_F

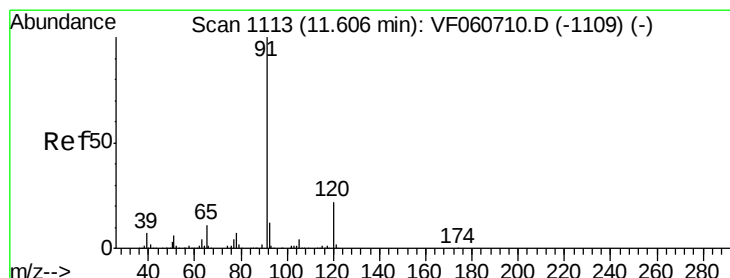
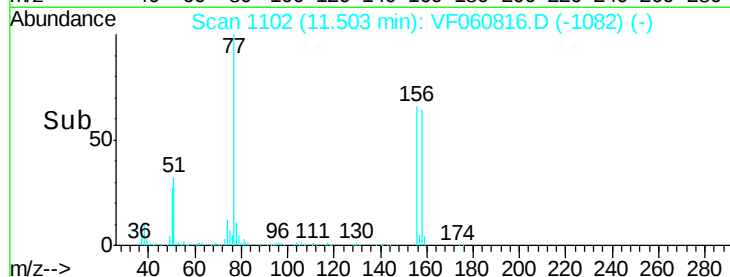
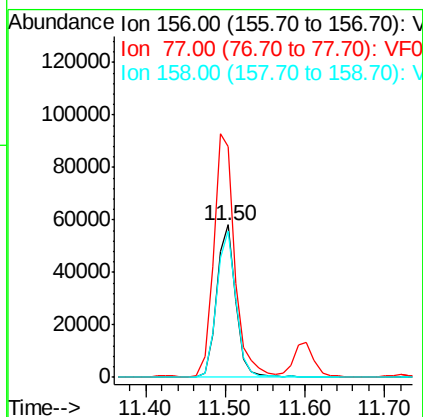
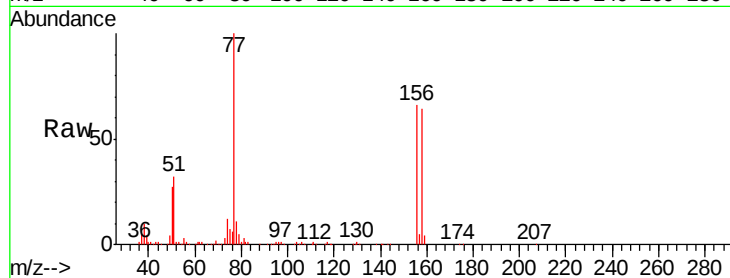
ClientSampleId :

DTW-02(11-13)MSD

Tgt Ion	Ratio	Lower	Upper
156	100		
77	151.5	83.0	248.9
158	96.2	49.6	149.0

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#78

n-propylbenzene

Concen: 57.66 ug/l

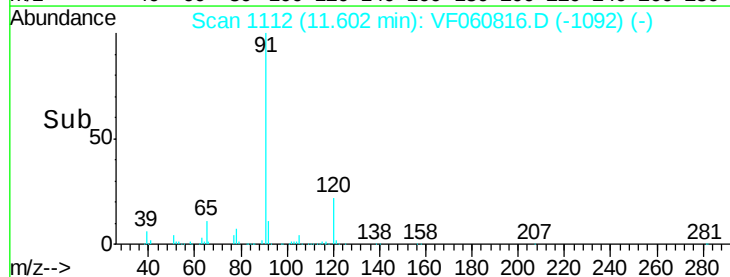
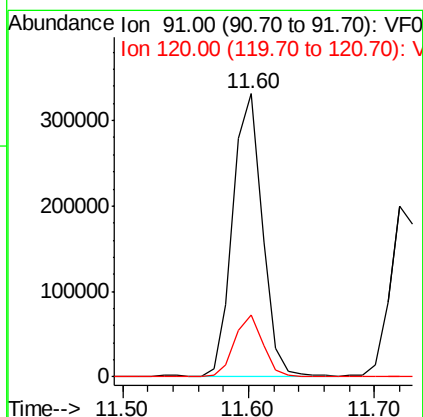
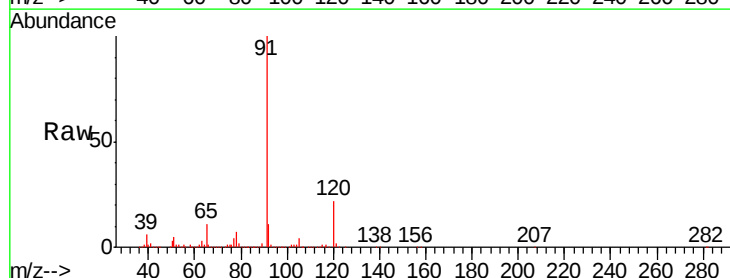
RT: 11.60 min Scan# 1112

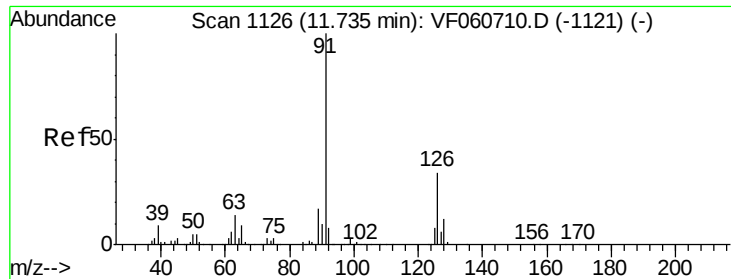
Delta R.T. -0.00 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.2	33.5





#79

2-Chlorotoluene

Concen: 60.12 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Instrument :

MSVOA_F

ClientSampleId :

DTW-02(11-13)MSD

Tgt Ion: 91 Resp: 325503

Ion Ratio Lower Upper

91 100

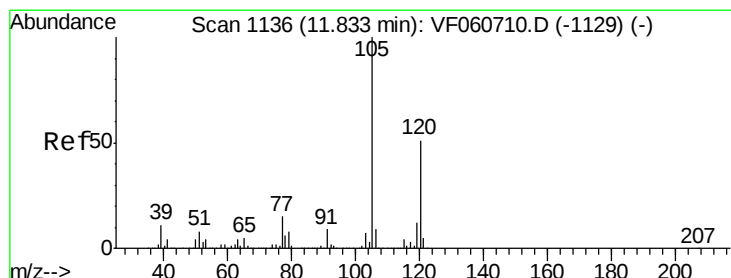
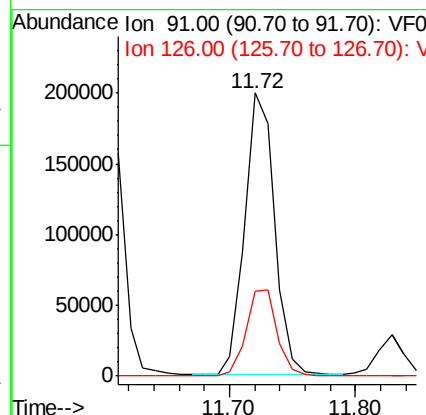
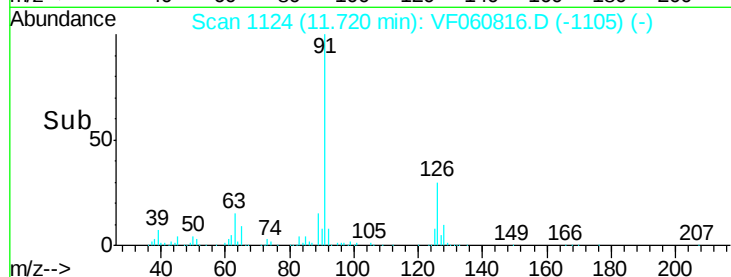
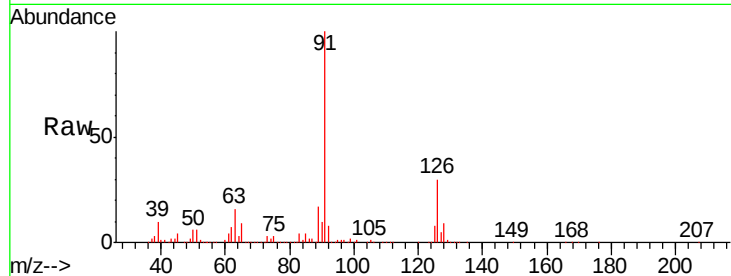
126 29.9 16.8 50.4

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#80

1,3,5-Trimethylbenzene

Concen: 61.50 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VF060816.D

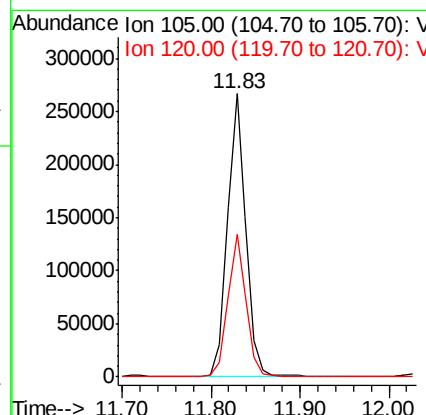
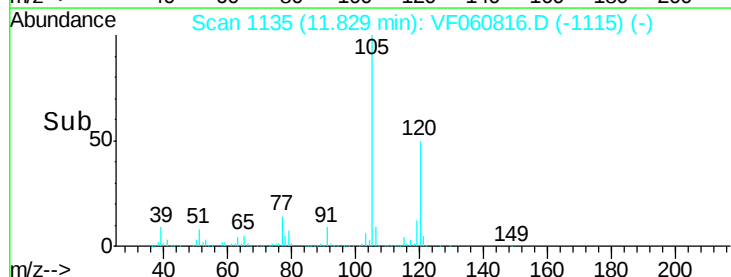
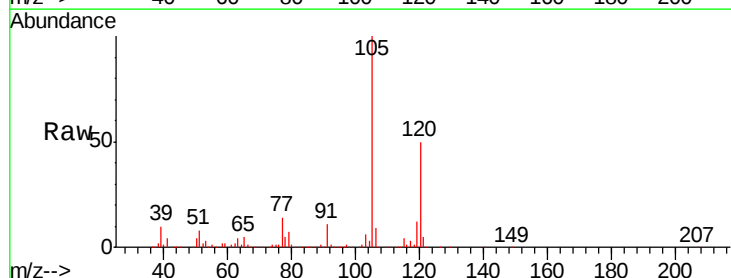
Acq: 20 Nov 2018 21:33

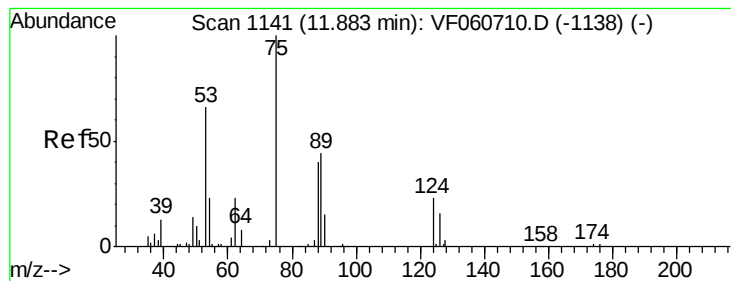
Tgt Ion: 105 Resp: 390009

Ion Ratio Lower Upper

105 100

120 50.4 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 43.08 ug/l m

RT: 11.87 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Instrument :

MSVOA_F

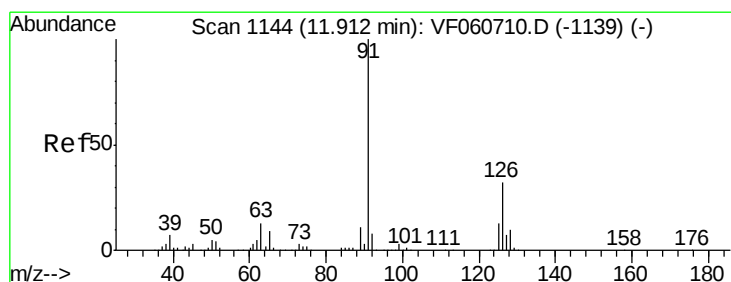
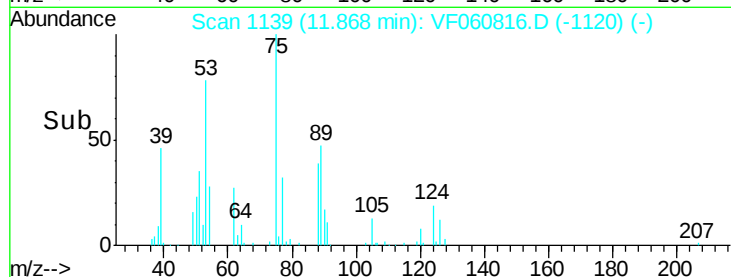
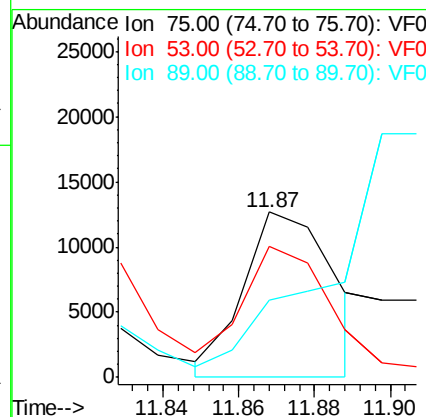
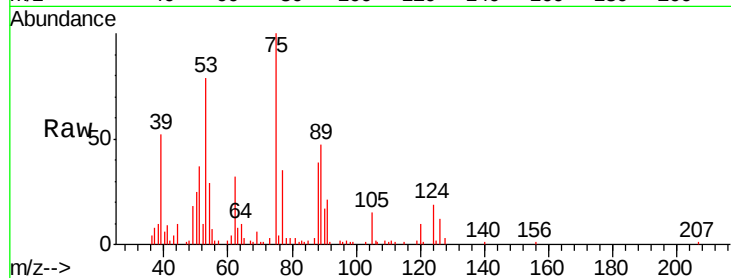
ClientSampleId :

DTW-02(11-13)MSD

Tgt Ion:	75	Resp:	20759
Ion	Ratio	Lower	Upper
75	100		
53	79.3	57.0	85.4
89	46.8	37.8	56.8

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#82

4-Chlorotoluene

Concen: 51.65 ug/l

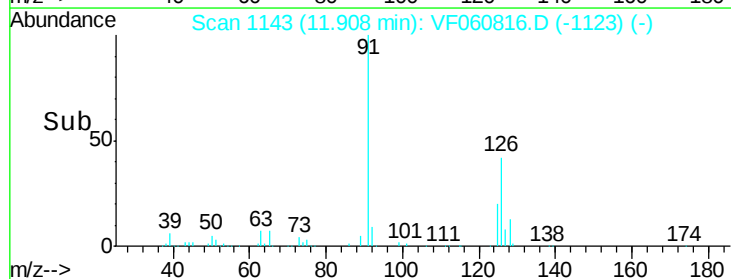
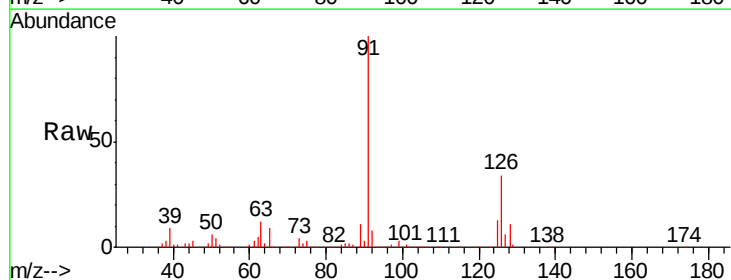
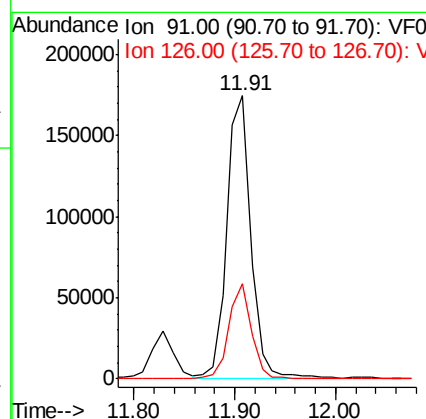
RT: 11.91 min Scan# 1143

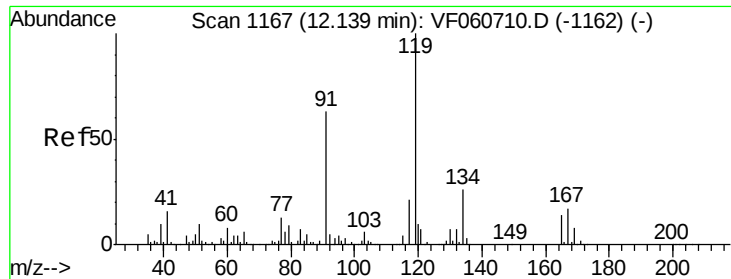
Delta R.T. -0.00 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Tgt Ion:	91	Resp:	286513
Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.0	47.9





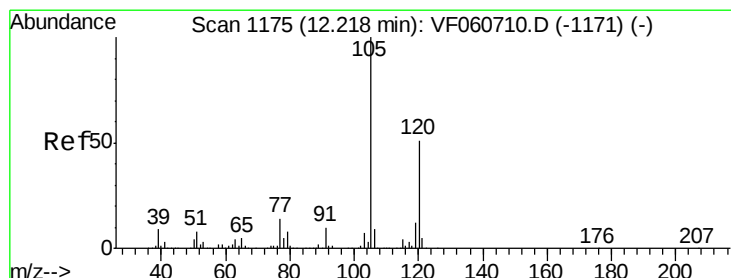
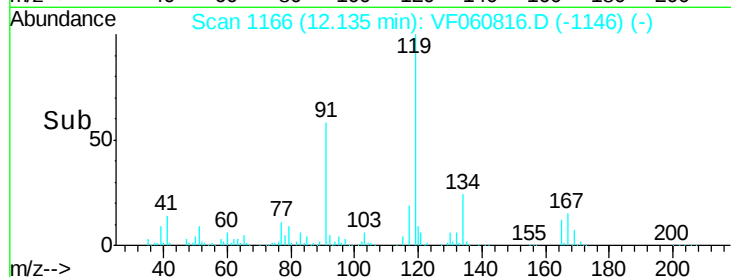
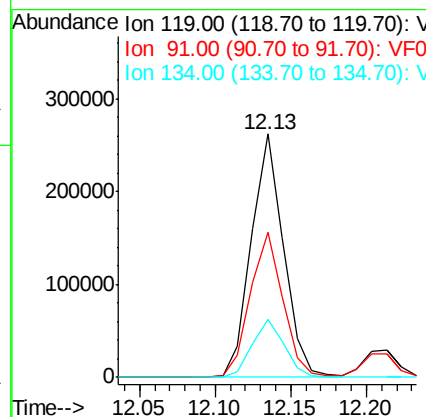
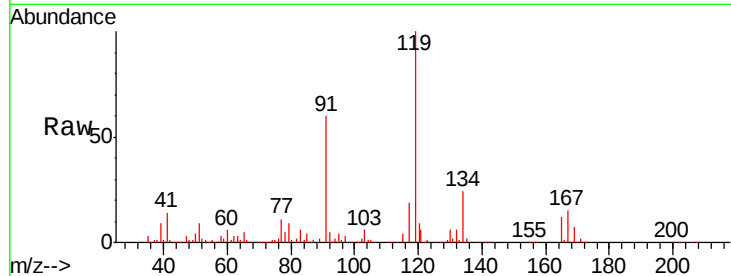
#83
tert-Butylbenzene
Concen: 58.49 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. -0.00 min
Lab File: VF060816.D
Acq: 20 Nov 2018 21:33

Instrument :
MSVOA_F
ClientSampleId :
DTW-02(11-13)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	393819		
91	59.8	31.4	94.3	
134	23.6	12.8	38.4	

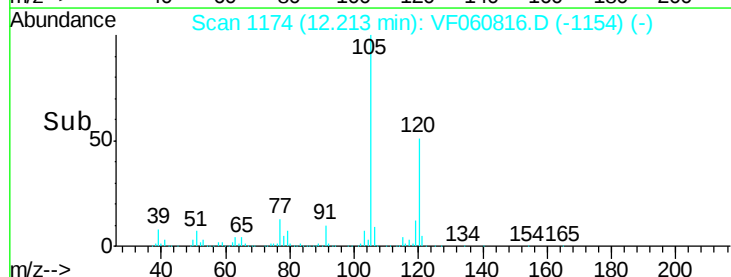
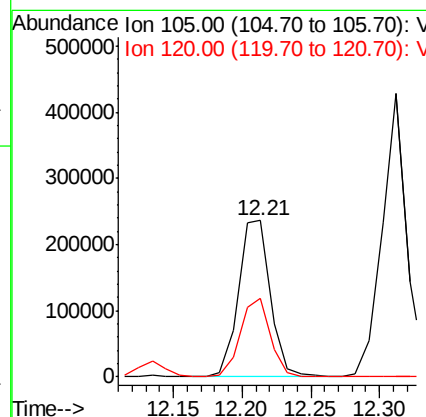
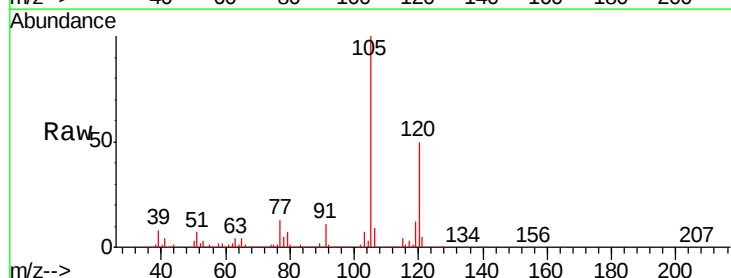
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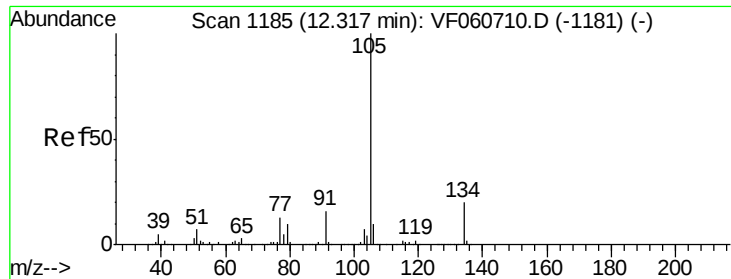
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#84
1,2,4-Trimethylbenzene
Concen: 58.24 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VF060816.D
Acq: 20 Nov 2018 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	381964		
120	50.4	25.5	76.5	





#85

sec-Butylbenzene

Concen: 58.57 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Instrument :

MSVOA_F

ClientSampleId :

DTW-02(11-13)MSD

Tgt Ion:105 Resp: 534960

Ion Ratio Lower Upper

105 100

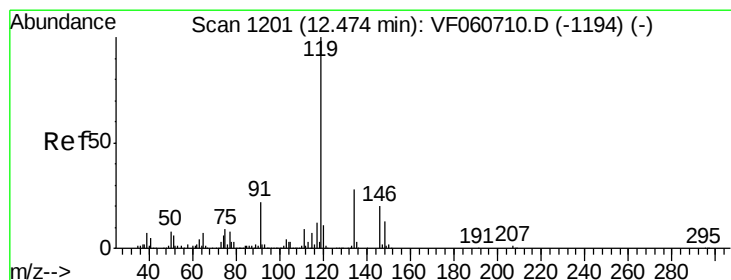
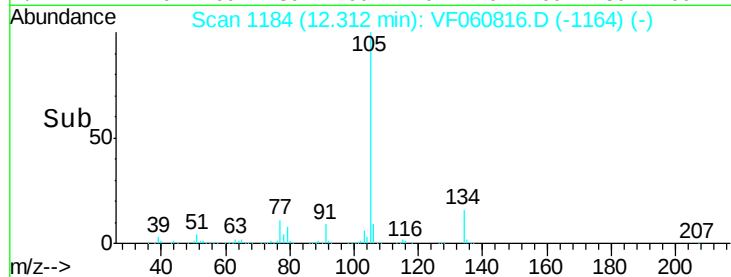
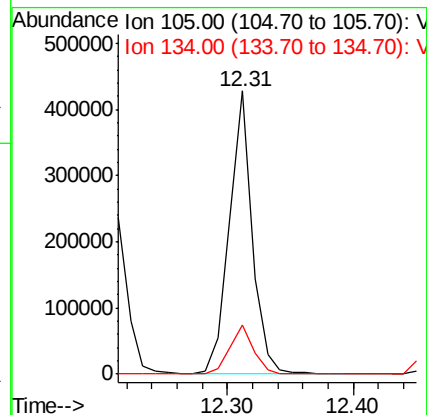
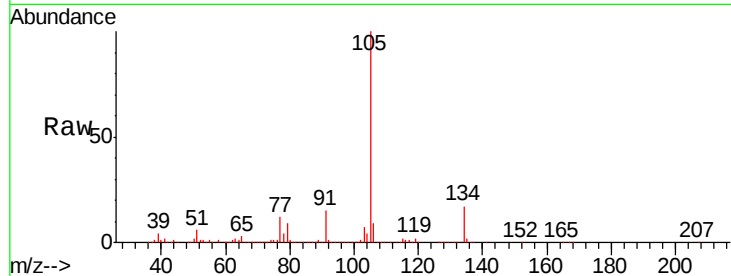
134 17.3 10.1 30.3

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#86

p-Isopropyltoluene

Concen: 49.23 ug/l

RT: 12.46 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

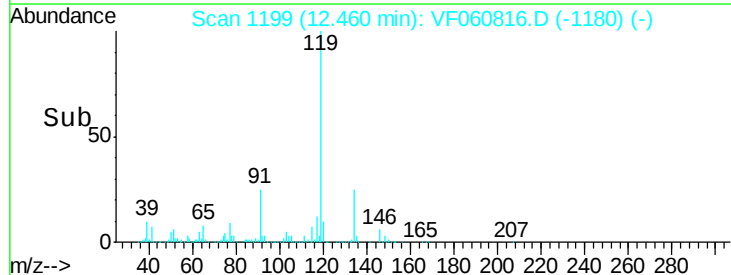
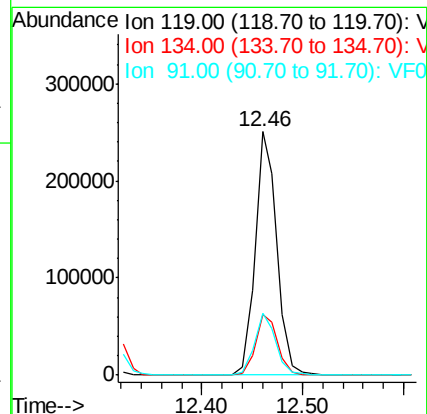
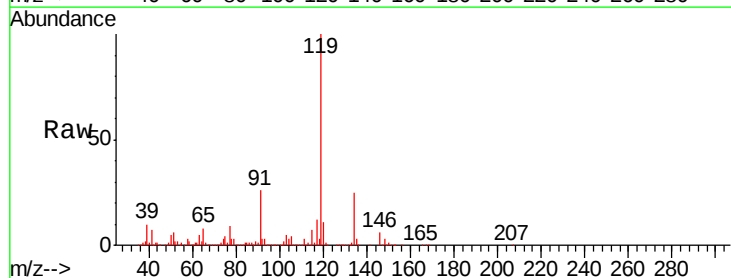
Tgt Ion:119 Resp: 375545

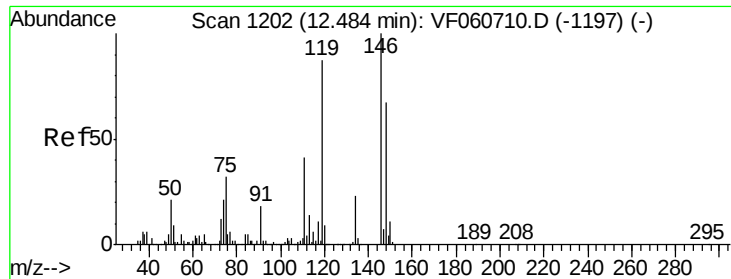
Ion Ratio Lower Upper

119 100

134 25.0 13.9 41.7

91 25.7 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 50.42 ug/l

RT: 12.48 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Instrument :

MSVOA_F

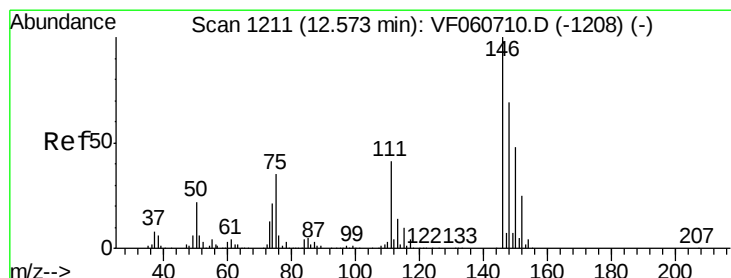
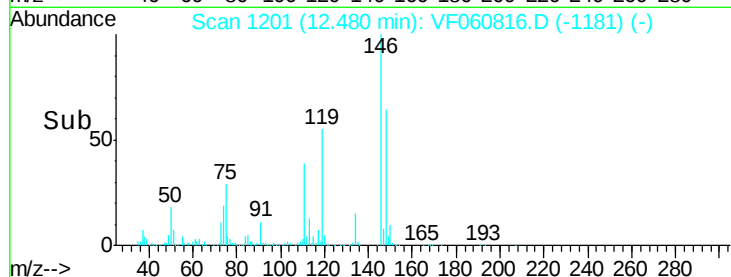
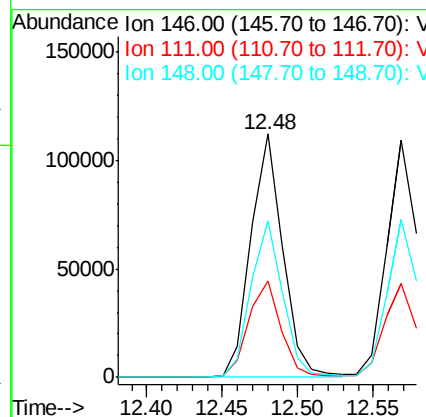
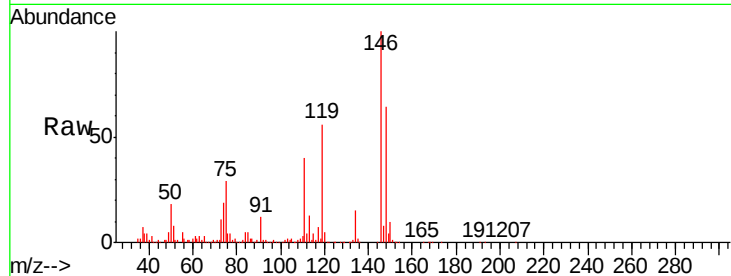
ClientSampleId :

DTW-02(11-13)MSD

Tgt Ion:	146	Resp:	166832
Ion Ratio	Lower	Upper	
146	100		
111	39.7	20.3	60.8
148	64.2	33.3	99.9

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#88

1,4-Dichlorobenzene

Concen: 51.13 ug/l

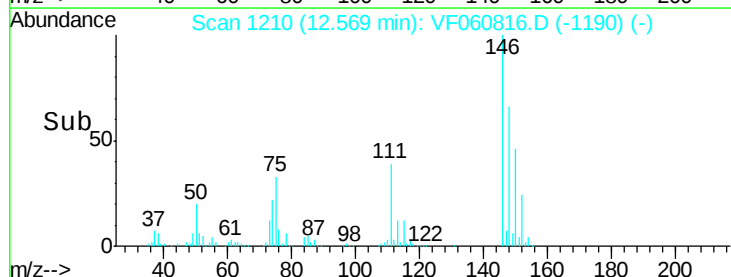
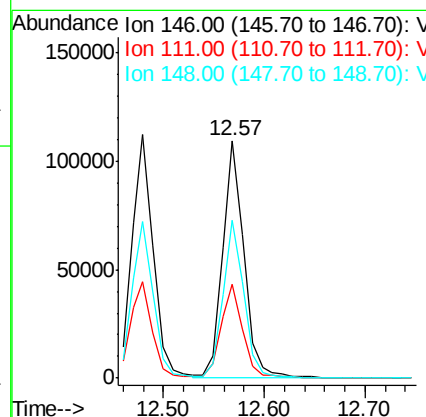
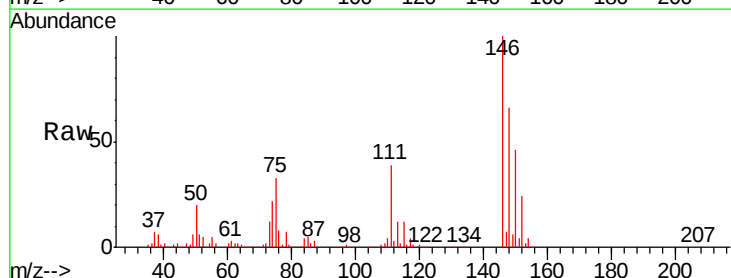
RT: 12.57 min Scan# 1210

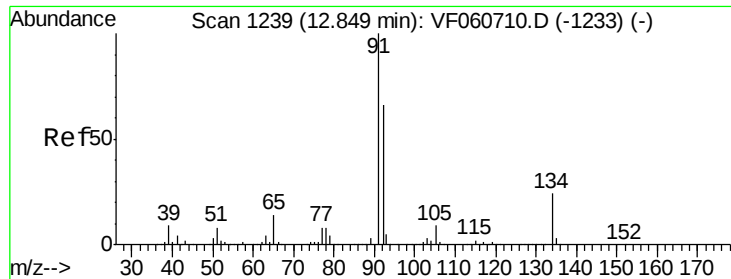
Delta R.T. -0.00 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Tgt Ion:	146	Resp:	162594
Ion Ratio	Lower	Upper	
146	100		
111	39.4	20.6	61.9
148	66.5	34.7	104.1





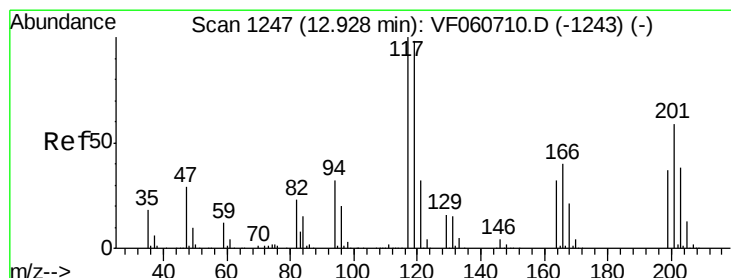
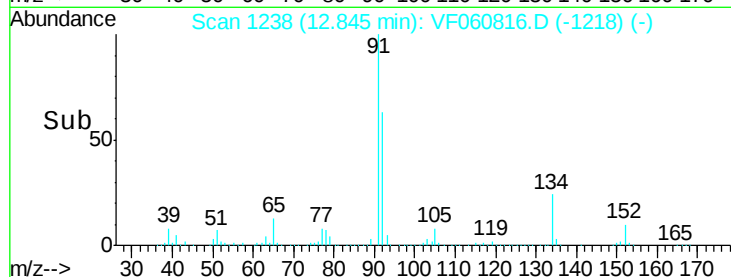
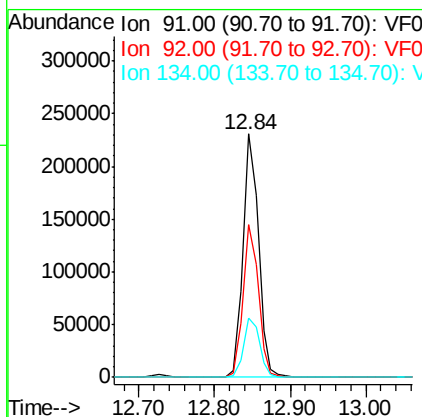
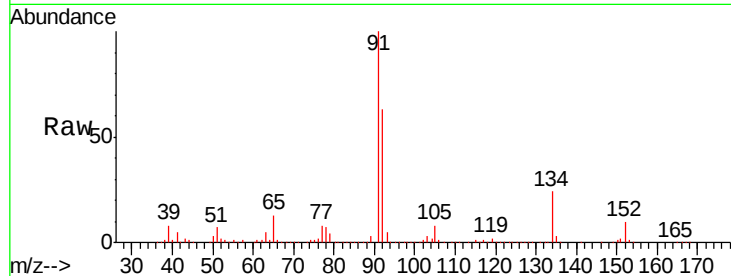
#89
n-Butylbenzene
Concen: 41.79 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VF060816.D
Acq: 20 Nov 2018 21:33

Instrument :
MSVOA_F
ClientSampleId :
DTW-02(11-13)MSD

Tgt Ion	Ratio	Lower	Upper
91	100		
92	63.0	33.1	99.2
134	24.2	11.9	35.9

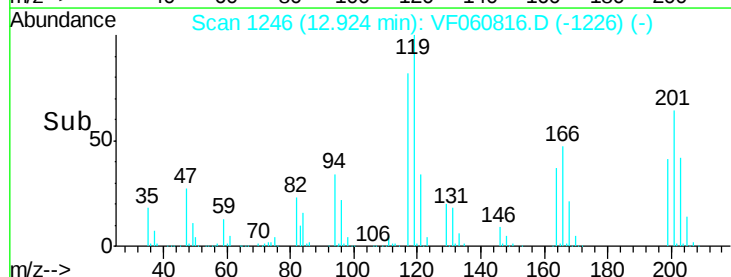
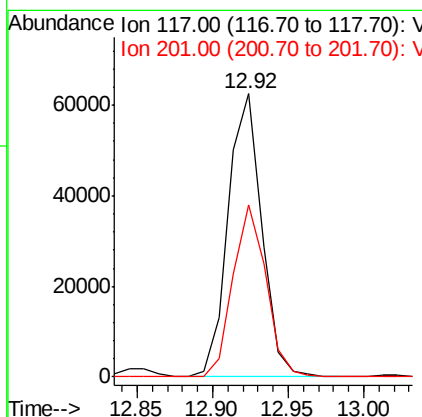
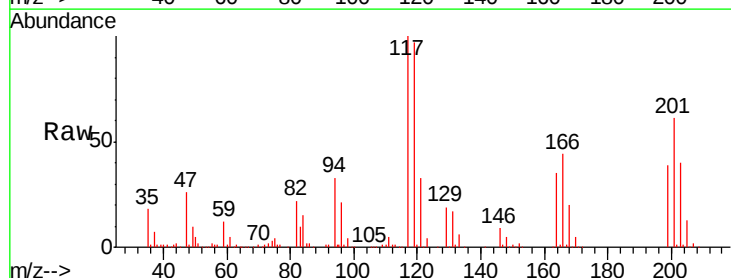
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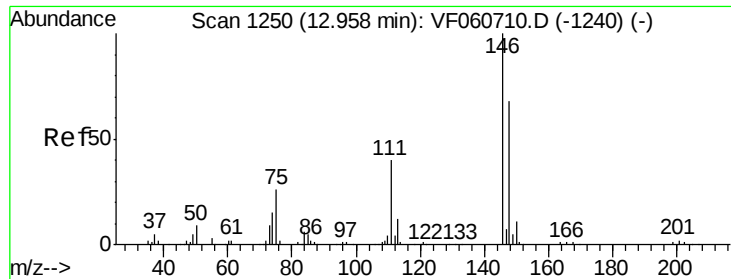
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#90
Hexachloroethane
Concen: 51.47 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.00 min
Lab File: VF060816.D
Acq: 20 Nov 2018 21:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	60.9	29.4	88.3





#91

1,2-Dichlorobenzene

Concen: 55.77 ug/l

RT: 12.94 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Instrument :

MSVOA_F

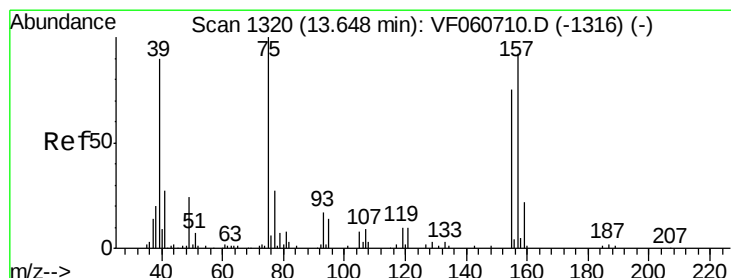
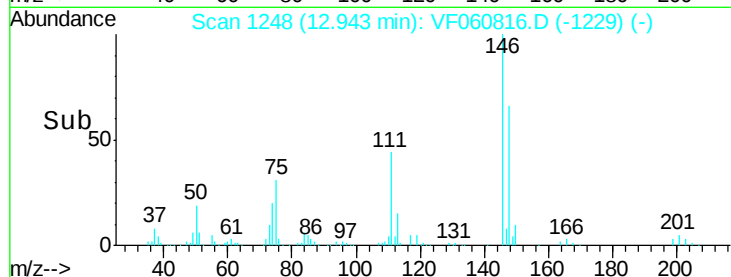
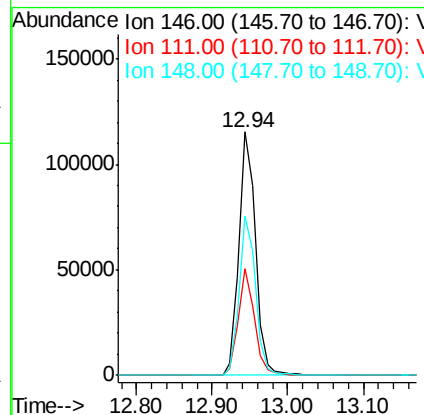
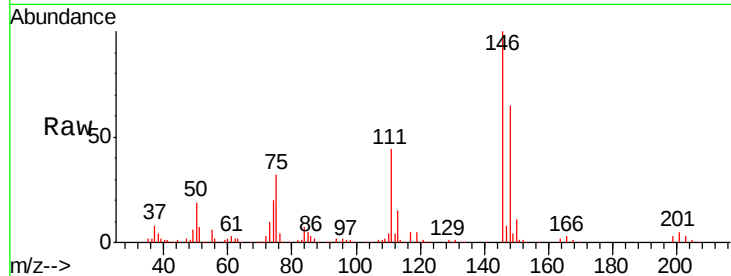
ClientSampleId :

DTW-02(11-13)MSD

Tgt Ion:	146	Resp:	173752
Ion Ratio	Lower	Upper	
146	100		
111	43.9	20.3	60.8
148	65.5	34.1	102.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 65.07 ug/l

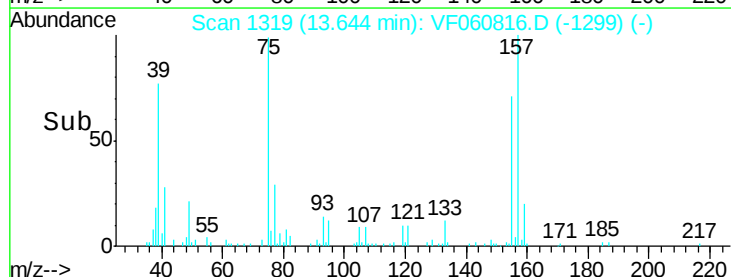
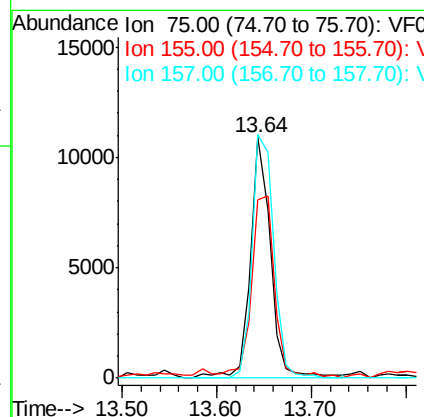
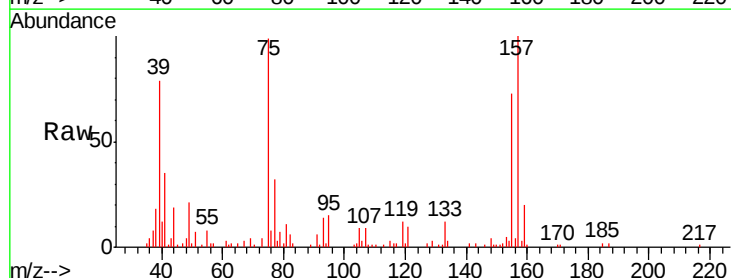
RT: 13.64 min Scan# 1319

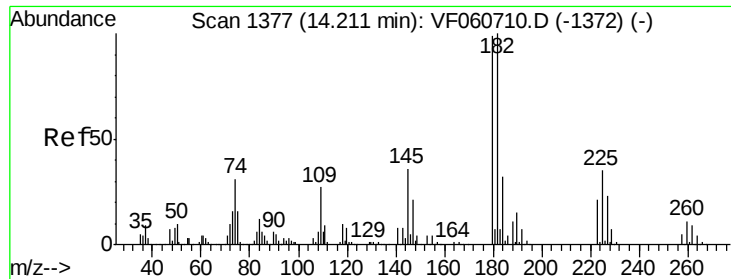
Delta R.T. -0.00 min

Lab File: VF060816.D

Acq: 20 Nov 2018 21:33

Tgt Ion:	75	Resp:	16151
Ion Ratio	Lower	Upper	
75	100		
155	74.2	37.4	112.2
157	101.2	46.0	138.0





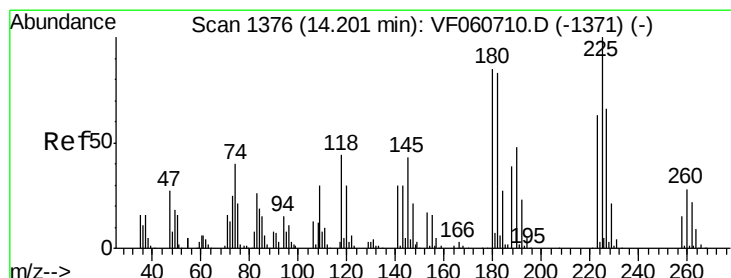
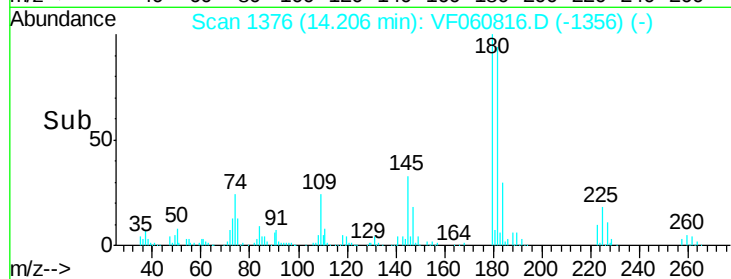
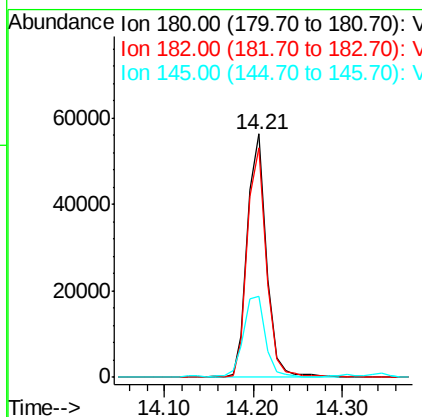
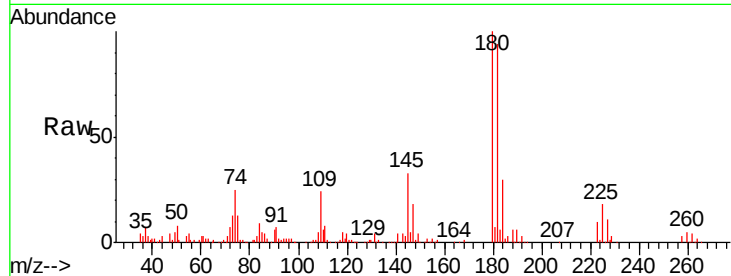
#93
 1,2,4-Trichlorobenzene
 Concen: 37.28 ug/l
 RT: 14.21 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VF060816.D
 Acq: 20 Nov 2018 21:33

Instrument :
 MSVOA_F
 ClientSampleId :
 DTW-02(11-13)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	83468		
182	94.3	50.3	151.0	
145	33.2	18.3	54.9	

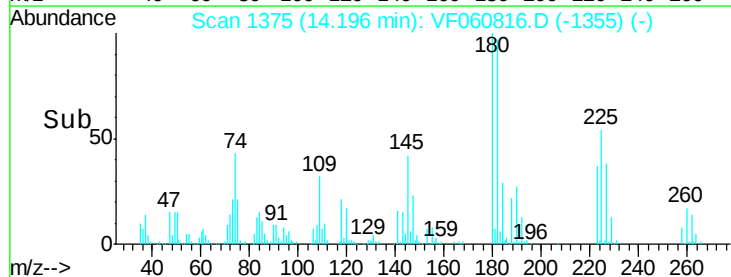
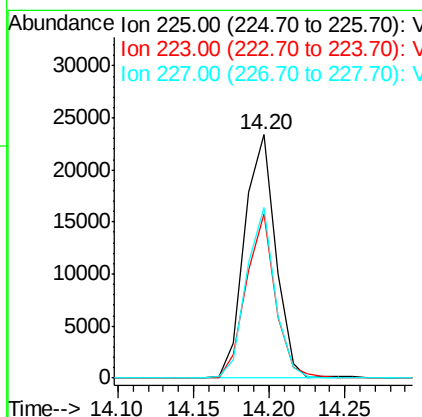
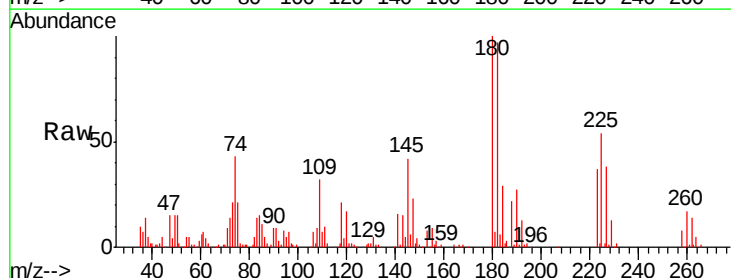
Manual Integrations
 APPROVED

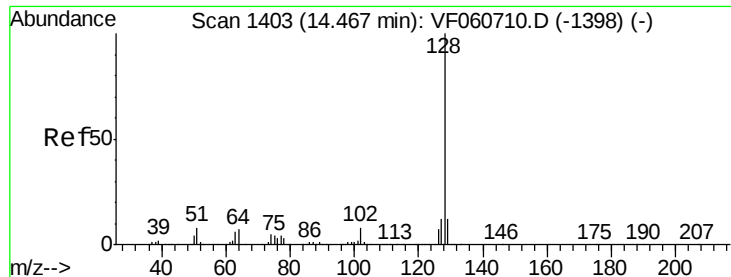
apatel
 11/21/2018 2:41:07 PM



#94
 Hexachlorobutadiene
 Concen: 22.90 ug/l
 RT: 14.20 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF060816.D
 Acq: 20 Nov 2018 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	33508		
223	67.7	31.5	94.5	
227	70.2	33.0	99.0	





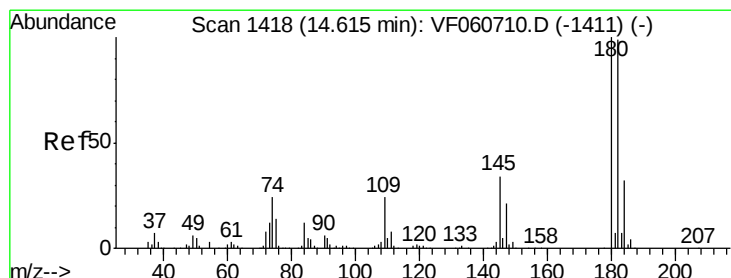
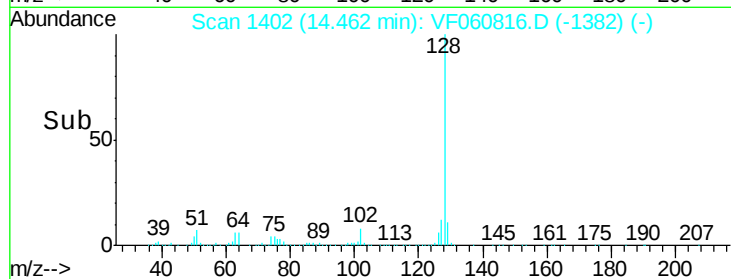
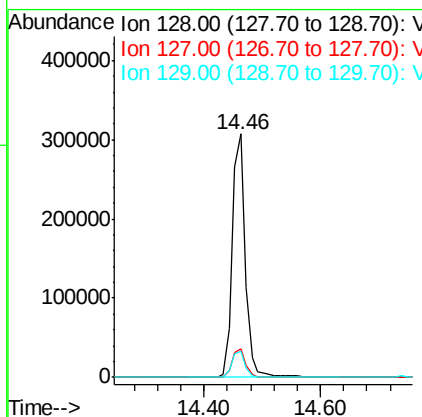
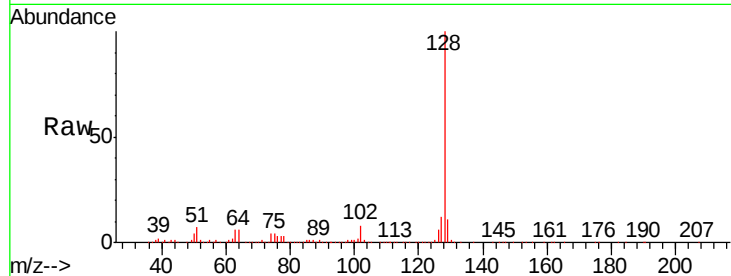
#95
Naphthalene
Concen: 116.53 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.00 min
Lab File: VF060816.D
Acq: 20 Nov 2018 21:33

Instrument :
MSVOA_F
ClientSampleId :
DTW-02(11-13)MSD

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.9	9.8	14.6
129	10.6	9.3	13.9

Manual Integrations
APPROVED

apatel
11/21/2018 2:41:07 PM



#96
1,2,3-Trichlorobenzene
Concen: 36.96 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF060816.D
Acq: 20 Nov 2018 21:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	49.6	149.0
145	37.1	16.9	50.7

