

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122018\
 Data File : VF061102.D
 Acq On : 20 Dec 2018 12:23
 Operator : VA/AP
 Sample : VF1220SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1220SBS01

Manual Integrations
 APPROVED

apatel
 12/21/2018 12:22:58 PM

Quant Time: Dec 21 06:57:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	235772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	412189	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.78	117	358474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	175469	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	149604	49.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.66%	
35) Dibromofluoromethane	4.11	113	167265	50.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.32%	
50) Toluene-d8	7.56	98	474088	50.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.34%	
62) 4-Bromofluorobenzene	11.41	95	199192	46.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.36%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	98436	18.782	ug/l	96
3) Chloromethane	1.10	50	69743	23.231	ug/l	97
4) Vinyl Chloride	1.13	62	62000	22.262	ug/l	94
5) Bromomethane	1.32	94	39667	20.535	ug/l	95
6) Chloroethane	1.39	64	26071	20.316	ug/l	95
7) Trichlorofluoromethane	1.47	101	97692m	18.372	ug/l	
8) Diethyl Ether	1.63	74	16841	23.128	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.84	101	55992	20.308	ug/l	95
10) Methyl Iodide	1.91	142	89613m	20.619	ug/l	
11) Tert butyl alcohol	2.58	59	15267	124.760	ug/l #	92
12) 1,1-Dichloroethene	1.80	96	45138	21.718	ug/l	94
13) Acrolein	1.99	56	11450	129.489	ug/l	86
14) Allyl chloride	2.09	41	54137	25.031	ug/l	93
15) Acrylonitrile	2.94	53	36696	129.682	ug/l	94
16) Acetone	2.24	43	72072	118.888	ug/l #	92
17) Carbon Disulfide	1.84	76	140153m	22.315	ug/l	
18) Methyl Acetate	2.35	43	32041m	25.547	ug/l	
19) Methyl tert-butyl Ether	2.43	73	100136	21.707	ug/l	99
20) Methylene Chloride	2.25	84	52064m	24.594	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	45797m	20.602	ug/l	
22) Diisopropyl ether	2.80	45	161474	22.413	ug/l	91
23) Vinyl Acetate	3.19	43	381184	114.691	ug/l	100
24) 1,1-Dichloroethane	2.87	63	89770	21.030	ug/l	97
25) 2-Butanone	4.34	43	112750	114.680	ug/l	97
26) 2,2-Dichloropropane	3.59	77	50653	20.678	ug/l	98
27) cis-1,2-Dichloroethene	3.47	96	68241	20.053	ug/l	98
28) Bromochloromethane	3.72	49	45060	20.804	ug/l	95
29) Tetrahydrofuran	4.07	42	51427	128.516	ug/l	98
30) Chloroform	3.86	83	126536	19.770	ug/l	99
31) Cyclohexane	3.69	56	103325m	23.327	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	72633	18.933	ug/l	95
36) 1,1-Dichloropropene	4.28	75	98802	19.858	ug/l	99
37) Ethyl Acetate	4.11	43	44792	20.943	ug/l	87
38) Carbon Tetrachloride	3.99	117	71334	18.827	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	97830	21.917	ug/l	94
40) Benzene	4.63	78	236509	22.104	ug/l	97
41) Methacrylonitrile	4.75	41	23250	22.127	ug/l	95
42) 1,2-Dichloroethane	4.94	62	75117	18.481	ug/l	100
43) Isopropyl Acetate	6.96	43	54911	22.857	ug/l	95
44) Trichloroethene	5.50	130	67854	20.115	ug/l	99
45) 1,2-Dichloropropane	6.23	63	60389	20.745	ug/l	100
46) Dibromomethane	6.09	93	36593	19.381	ug/l	98
47) Bromodichloromethane	6.39	83	92689	18.894	ug/l	99
48) Methyl methacrylate	6.72	41	33371	19.898	ug/l	97
49) 1,4-Dioxane	6.71	88	6303	517.951	ug/l	98
51) 4-Methyl-2-Pentanone	8.26	43	185377	112.513	ug/l	97
52) Toluene	7.63	92	145464	20.538	ug/l	100
53) t-1,3-Dichloropropene	8.28	75	77096	19.481	ug/l	96
54) cis-1,3-Dichloropropene	7.30	75	102264	20.589	ug/l	96
55) 1,1,2-Trichloroethane	8.49	97	43849	20.652	ug/l	97
56) Ethyl methacrylate	8.62	69	47328	20.599	ug/l	98
57) 1,3-Dichloropropane	8.86	76	75497	19.660	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.30	63	47538	107.733	ug/l #	87
59) 2-Hexanone	9.50	43	132671	111.347	ug/l	93
60) Dibromochloromethane	8.72	129	59250	19.467	ug/l	97
61) 1,2-Dibromoethane	8.99	107	44423	19.590	ug/l	97
64) Tetrachloroethene	8.16	164	59372	21.530	ug/l	97
65) Chlorobenzene	9.81	112	151695	20.484	ug/l	94
66) 1,1,1,2-Tetrachloroethane	9.93	131	61840	20.434	ug/l	96
67) Ethyl Benzene	9.90	91	281017	20.829	ug/l	100
68) m/p-Xylenes	10.13	106	205537	43.289	ug/l	99
69) o-Xylene	10.71	106	115626	21.958	ug/l	91
70) Styrene	10.79	104	155641	21.469	ug/l	98
71) Bromoform	10.77	173	28234	20.165	ug/l #	92
73) Isopropylbenzene	11.13	105	313632	20.741	ug/l	97
74) N-amyl acetate	11.37	43	79479	23.675	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.70	83	57194	22.790	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	41293	22.110	ug/l	95
77) Bromobenzene	11.50	156	67467	20.727	ug/l	81
78) n-propylbenzene	11.59	91	376828	19.123	ug/l	97
79) 2-Chlorotoluene	11.72	91	220161	21.224	ug/l	96
80) 1,3,5-Trimethylbenzene	11.83	105	264903	21.276	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.87	75	16758m	20.881	ug/l	
82) 4-Chlorotoluene	11.90	91	213693	19.914	ug/l	98
83) tert-Butylbenzene	12.13	119	263566	20.571	ug/l	96
84) 1,2,4-Trimethylbenzene	12.20	105	258164	20.792	ug/l	97
85) sec-Butylbenzene	12.31	105	362364	21.672	ug/l	100
86) p-Isopropyltoluene	12.46	119	307741	22.174	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	129286	21.244	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	122835	20.551	ug/l	98
89) n-Butylbenzene	12.84	91	310517	19.488	ug/l	95
90) Hexachloroethane	12.92	117	69738	20.338	ug/l	76
91) 1,2-Dichlorobenzene	12.94	146	120999	20.793	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.64	75	8859	19.237	ug/l	95

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QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	87062	21.096	ug/l	99
94) Hexachlorobutadiene	14.20	225	54981	20.917	ug/l	95
95) Naphthalene	14.46	128	159353	21.146	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	82907	21.731	ug/l	97

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

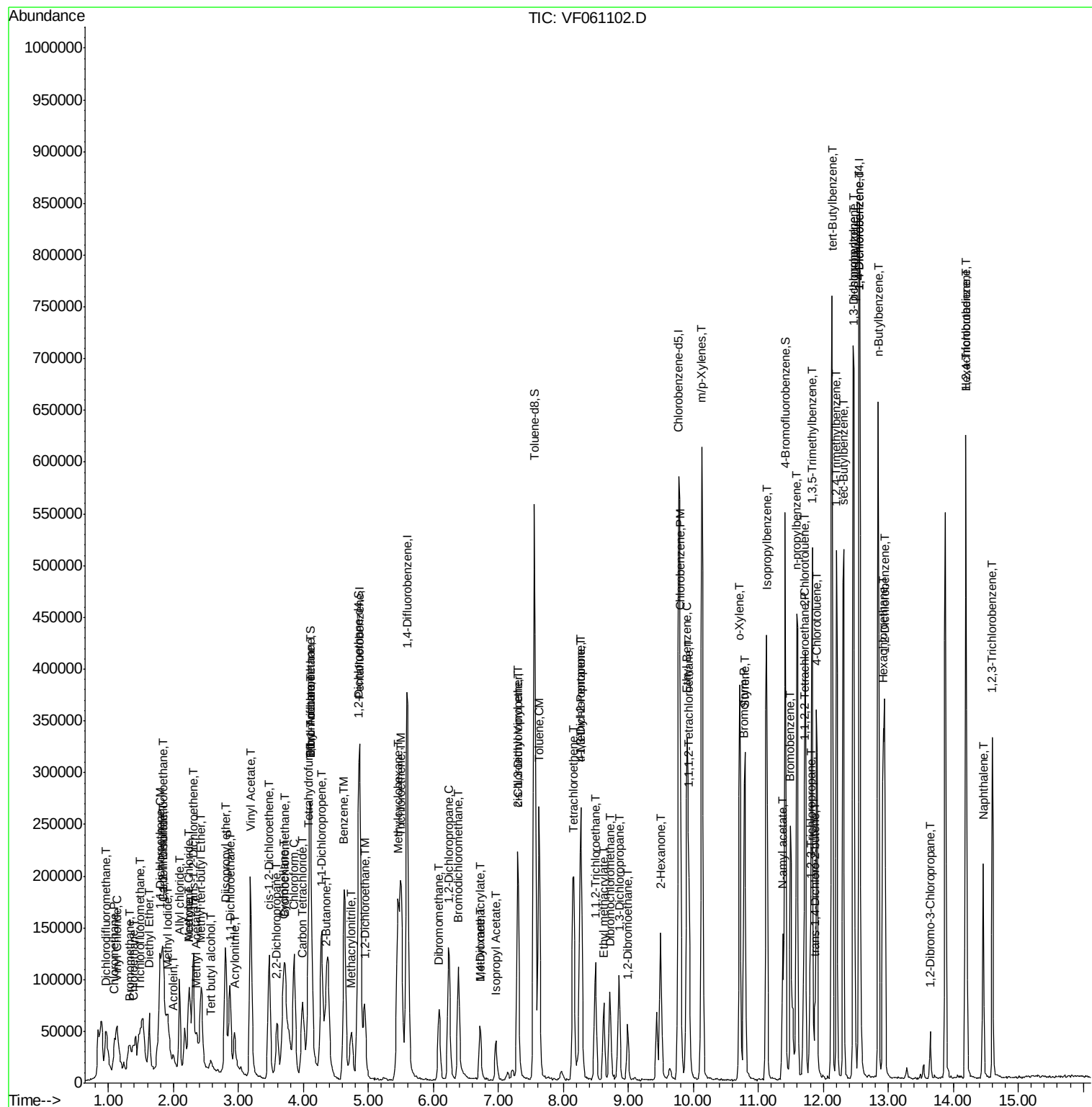
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 Data File : VF061102.D
 Acq On : 20 Dec 2018 12:23
 Operator : VA/AP
 Sample : VF1220SBS01
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
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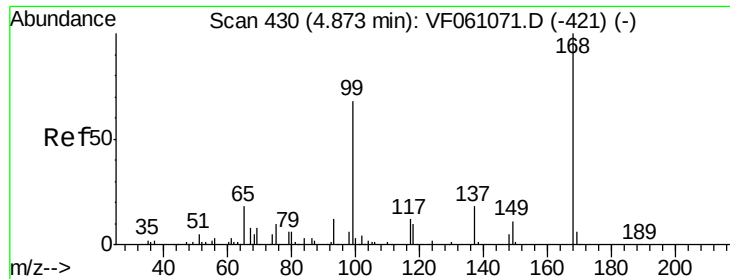
Instrument :
 MSVOA_F
 Client Sampled :
 VF1220SBS01

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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

Instrument :

MSVOA_F

ClientSampleId :

VF1220SBS01

Tot Ion:168 Resp: 235772

Ion Ratio Lower Upper

168 100

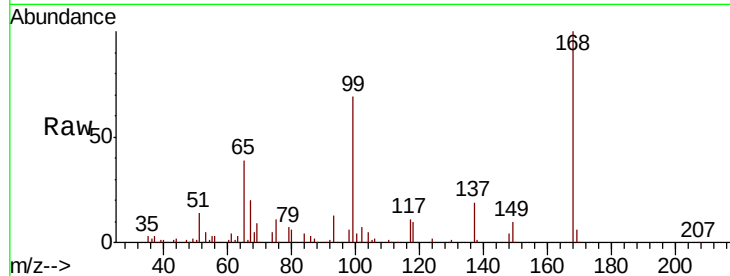
99 68.6 54.4 81.6

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

4.86

80000

60000

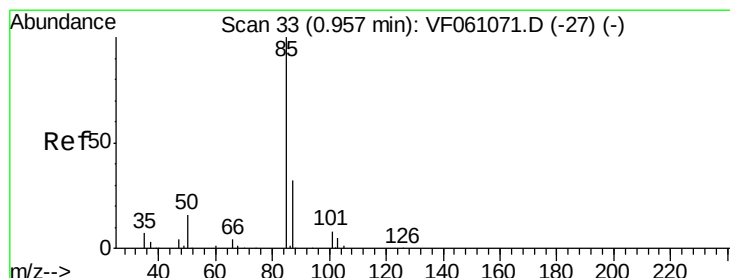
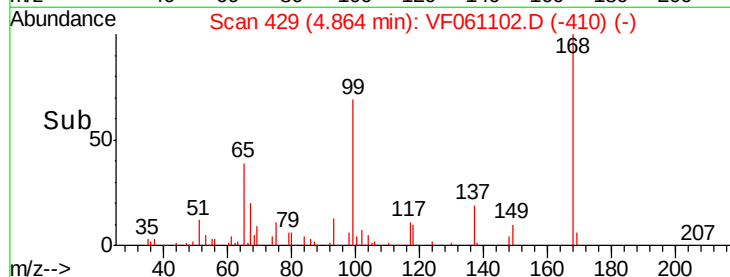
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.782 ug/l

RT: 0.96 min Scan# 33

Delta R.T. 0.00 min

Lab File: VF061102.D

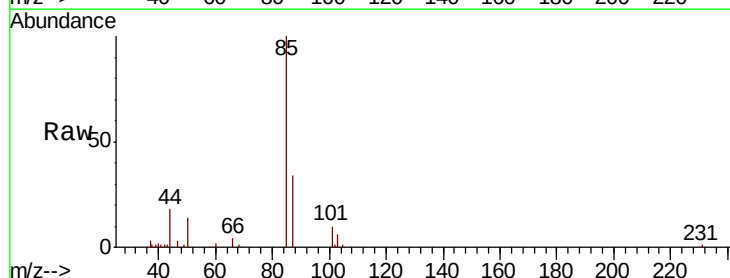
Acq: 20 Dec 2018 12:23

Tgt Ion: 85 Resp: 98436

Ion Ratio Lower Upper

85 100

87 33.7 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

25000

20000

15000

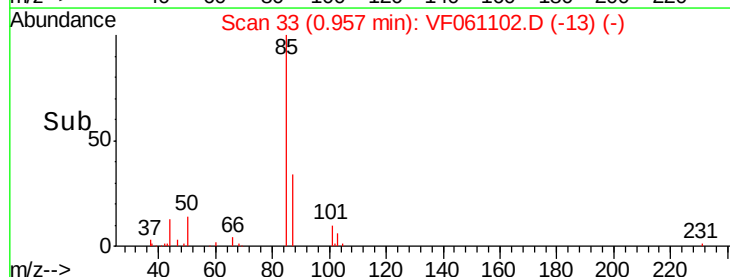
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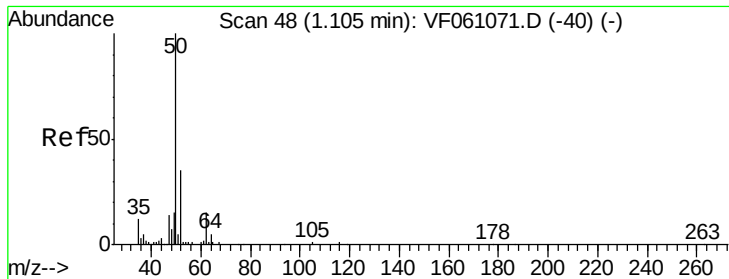
5000

0

0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 23.231 ug/l

RT: 1.10 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

Instrument :

MSVOA_F

ClientSampleId :

VF1220SBS01

Tot Ion: 50 Resp: 69743

Ion Ratio Lower Upper

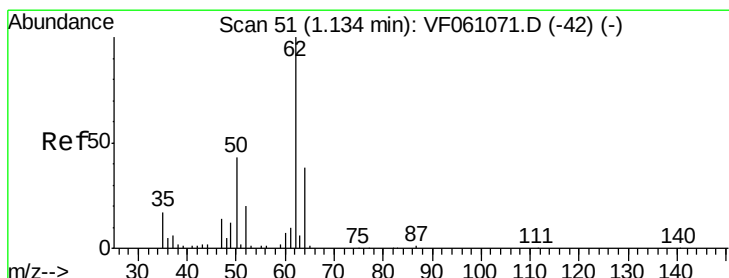
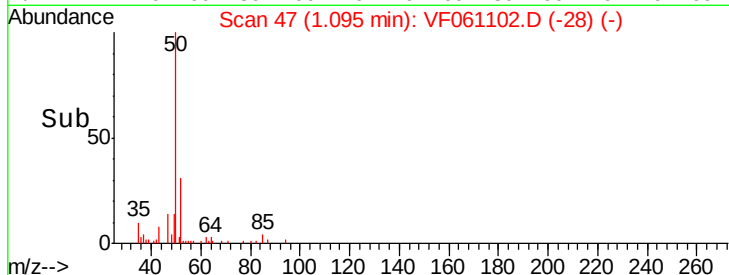
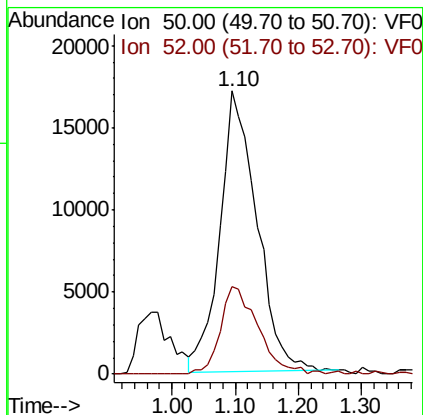
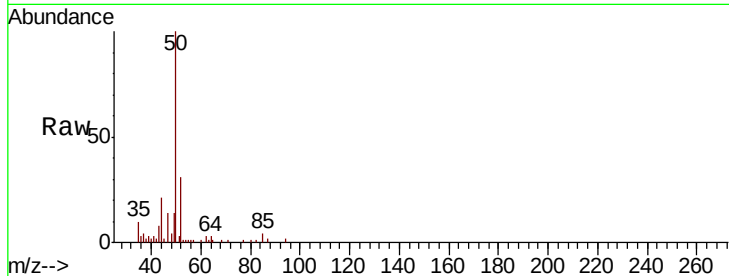
50 100

52 30.9 26.3 39.5

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#4

Vinyl Chloride

Concen: 22.262 ug/l

RT: 1.13 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF061102.D

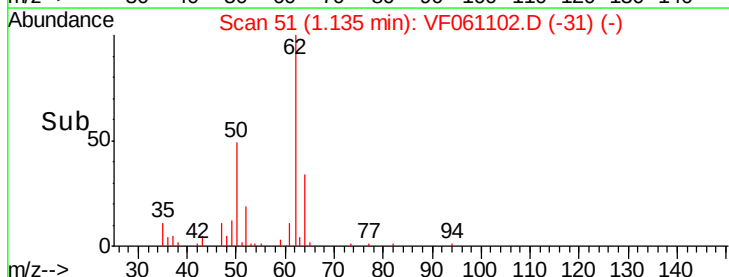
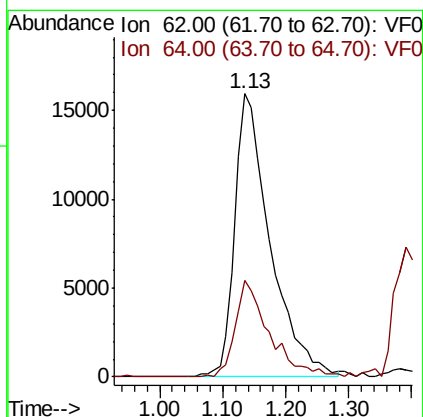
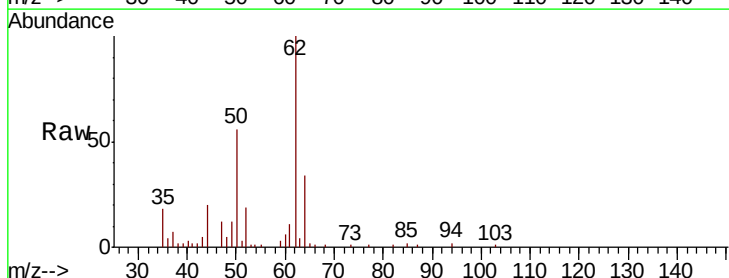
Acq: 20 Dec 2018 12:23

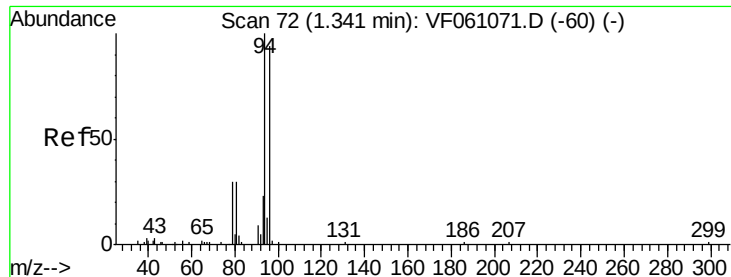
Tgt Ion: 62 Resp: 62000

Ion Ratio Lower Upper

62 100

64 34.1 30.4 45.6





#5

Bromomethane

Concen: 20.535 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.02 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

Instrument :

MSVOA_F

ClientSampleId :

VF1220SBS01

Tot Ion: 94 Resp: 39667

Ion Ratio Lower Upper

94 100

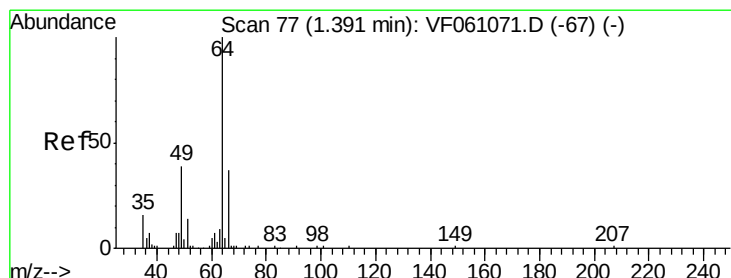
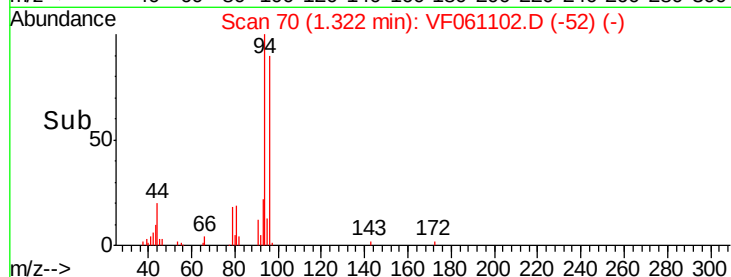
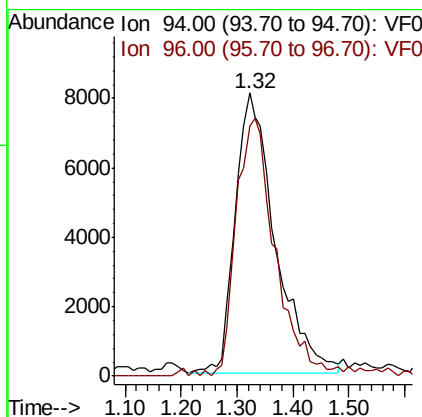
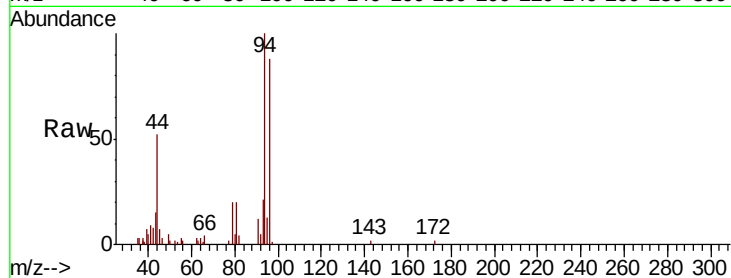
96 88.4 74.4 111.6

Manual Integrations

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#6

Chloroethane

Concen: 20.316 ug/l

RT: 1.39 min Scan# 77

Delta R.T. 0.00 min

Lab File: VF061102.D

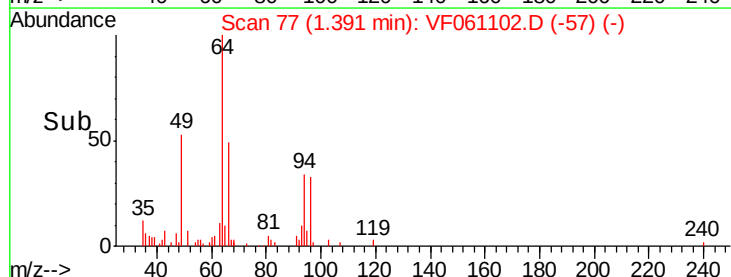
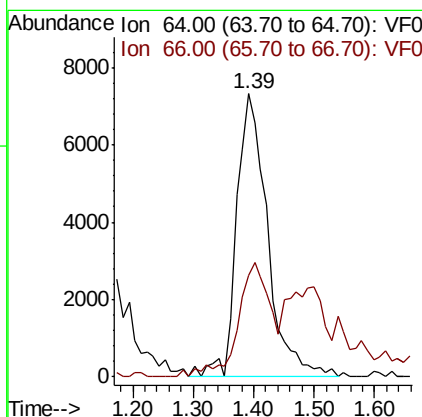
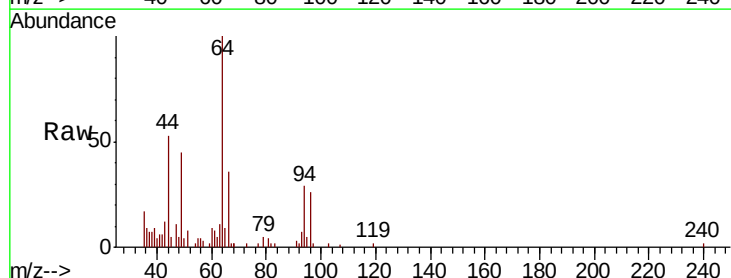
Acq: 20 Dec 2018 12:23

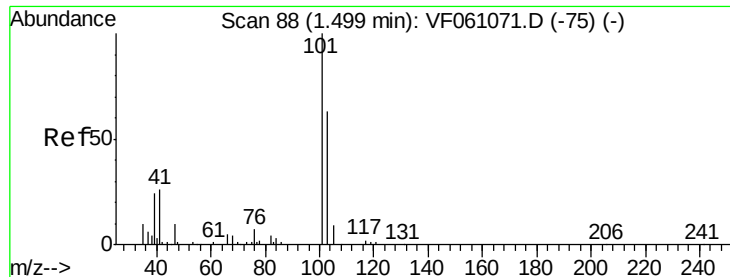
Tgt Ion: 64 Resp: 26071

Ion Ratio Lower Upper

64 100

66 35.8 30.9 46.3





#7

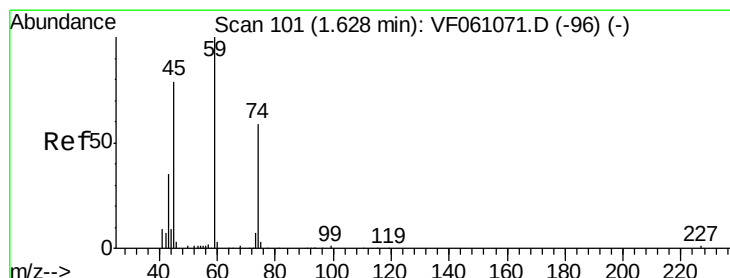
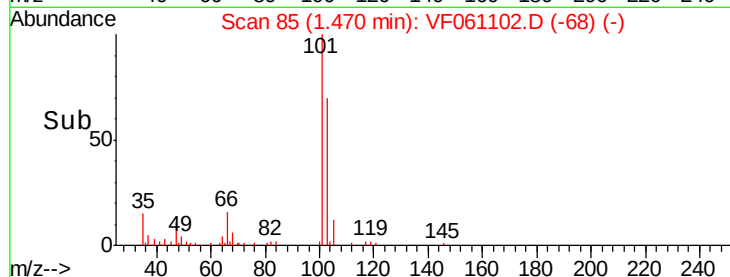
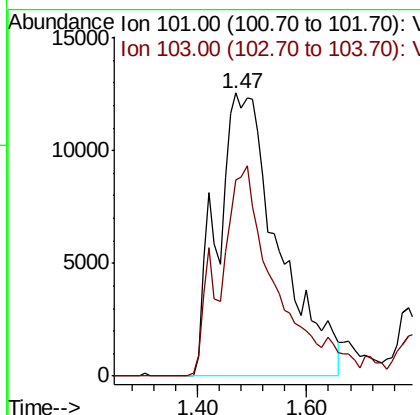
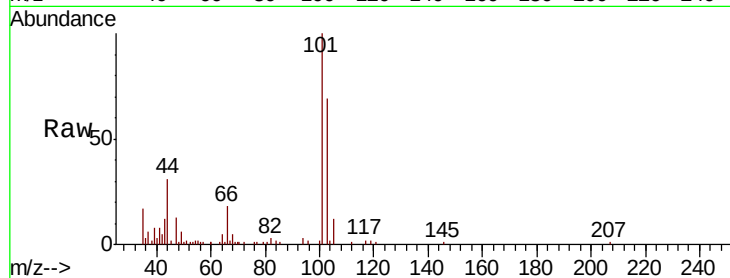
Trichlorofluoromethane
Concen: 18.372 ug/l m
RT: 1.47 min Scan# 85
Delta R.T. -0.03 min
Lab File: VF061102.D
Acq: 20 Dec 2018 12:23

Instrument :
MSVOA_F
ClientSampleId :
VF1220SBS01

Tot Ion:101 Resp: 97692
Ion Ratio Lower Upper
101 100
103 69.4 50.7 76.1

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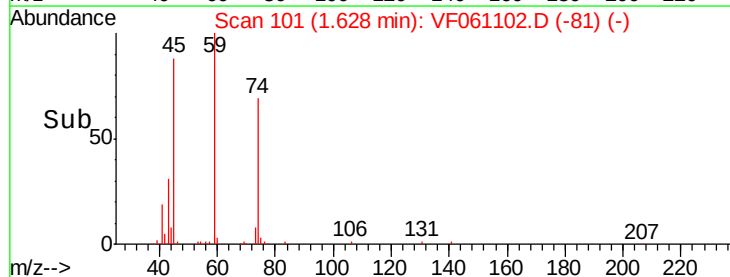
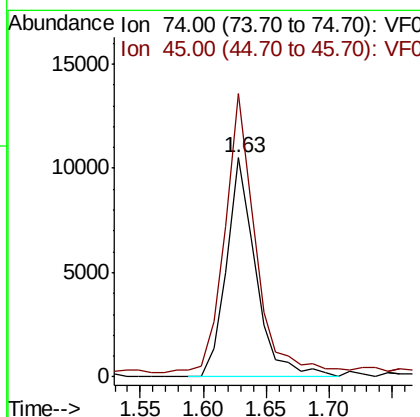
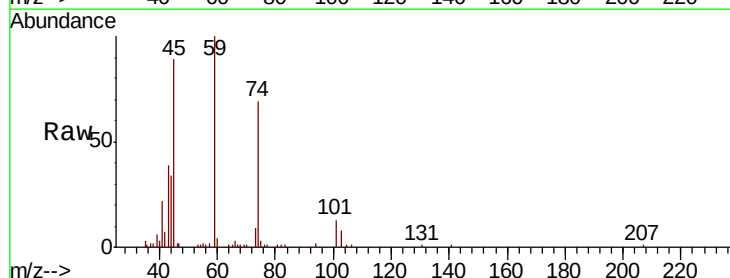
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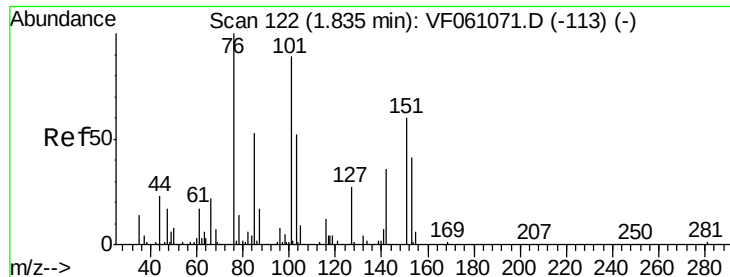


#8

Diethyl Ether
Concen: 23.128 ug/l
RT: 1.63 min Scan# 101
Delta R.T. 0.00 min
Lab File: VF061102.D
Acq: 20 Dec 2018 12:23

Tgt Ion: 74 Resp: 16841
Ion Ratio Lower Upper
74 100
45 129.2 67.8 203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.308 ug/l

RT: 1.84 min Scan# 122

Delta R.T. 0.00 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

Instrument :

MSVOA_F

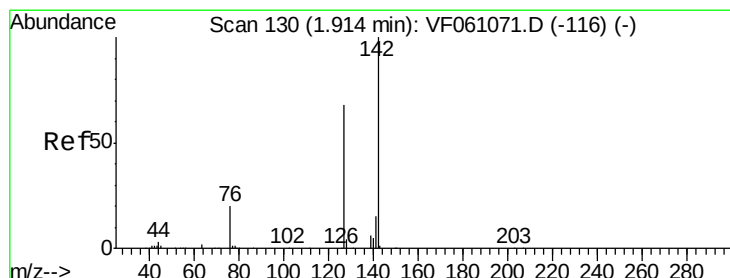
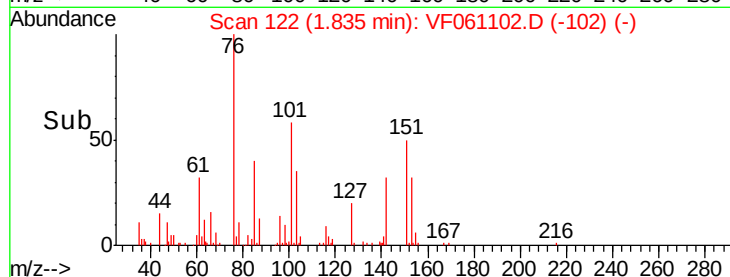
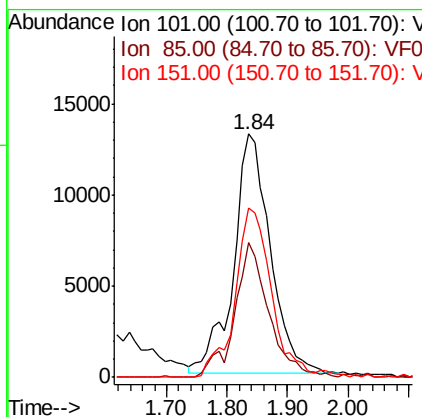
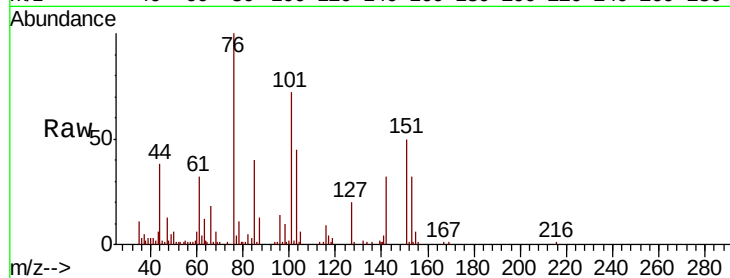
ClientSampleId :

VF1220SBS01

Tot Ion:	101	Resp:	55992
Ion Ratio	Lower	Upper	
101	100		
85	55.1	44.5	66.7
151	69.6	49.9	74.9

Manual Integrations
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#10

Methyl Iodide

Concen: 20.619 ug/l m

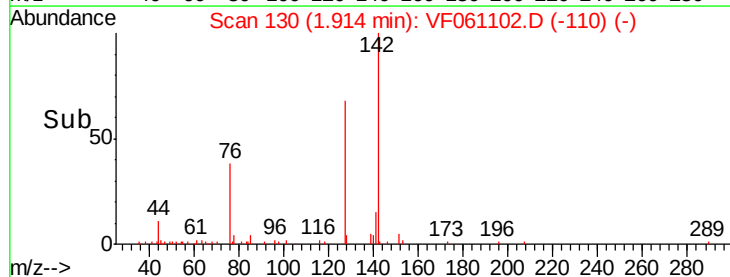
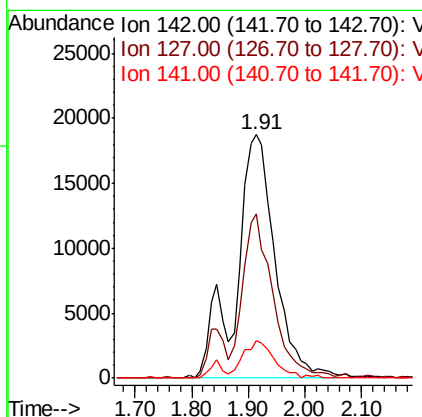
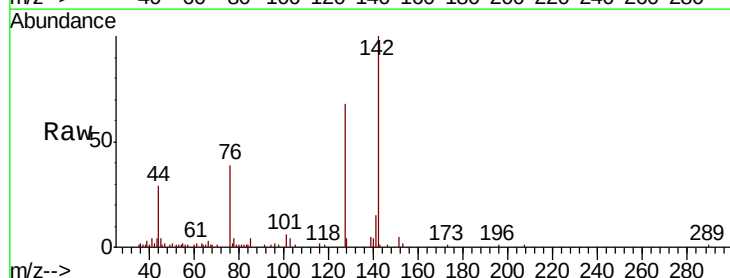
RT: 1.91 min Scan# 130

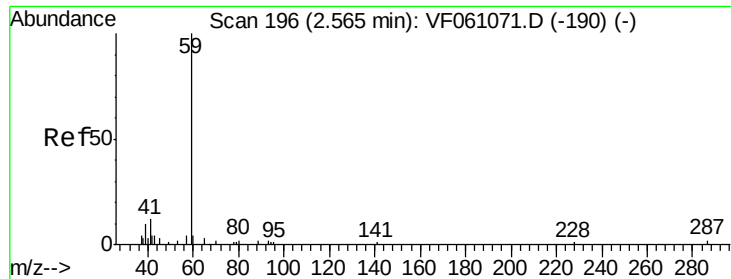
Delta R.T. 0.00 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

Tgt Ion:	142	Resp:	89613
Ion Ratio	Lower	Upper	
142	100		
127	67.5	54.7	82.1
141	15.2	12.2	18.2





#11

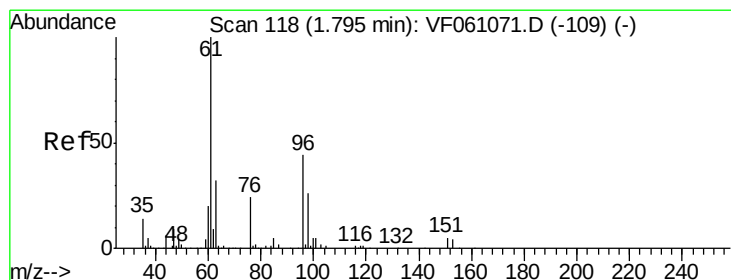
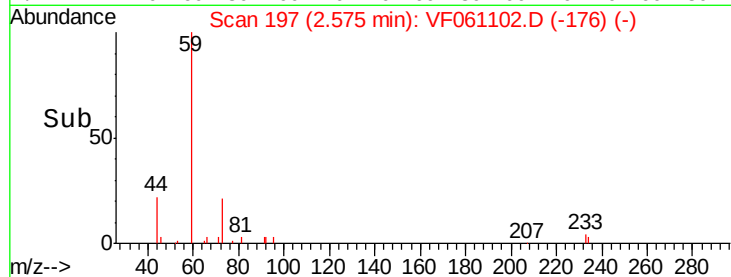
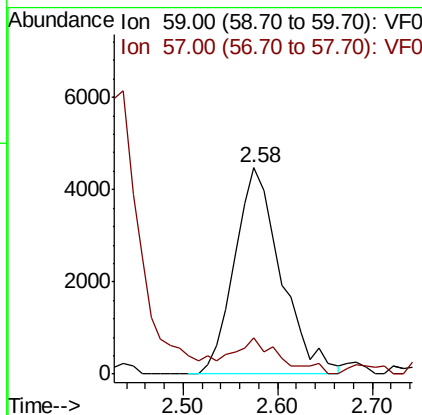
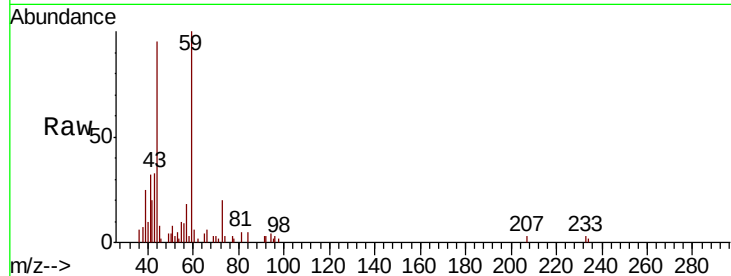
Tert butyl alcohol
 Concen: 124.760 ug/l
 RT: 2.58 min Scan# 197
 Delta R.T. 0.01 min
 Lab File: VF061102.D
 Acq: 20 Dec 2018 12:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1220SBS01

Tot Ion	59	Resp	15267
Ion Ratio	100	Lower	Upper
57	17.8	11.5	17.3#

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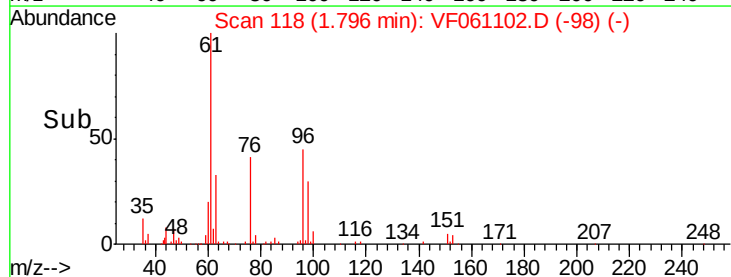
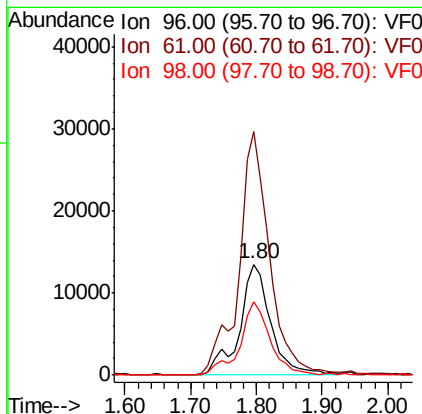
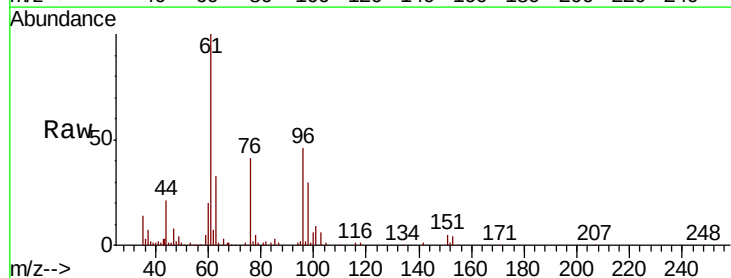
apatel
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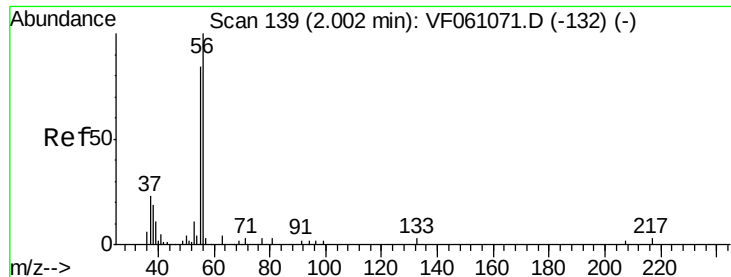


#12

1,1-Dichloroethene
 Concen: 21.718 ug/l
 RT: 1.80 min Scan# 118
 Delta R.T. 0.00 min
 Lab File: VF061102.D
 Acq: 20 Dec 2018 12:23

Tgt Ion	96	Resp	45138
Ion Ratio	100	Lower	Upper
61	219.6	182.0	273.0
98	66.2	46.5	69.7





#13

Acrolein

Concen: 129.489 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

Instrument :

MSVOA_F

ClientSampleId :

VF1220SBS01

Tot Ion: 56 Resp: 11450

Ion Ratio Lower Upper

56 100

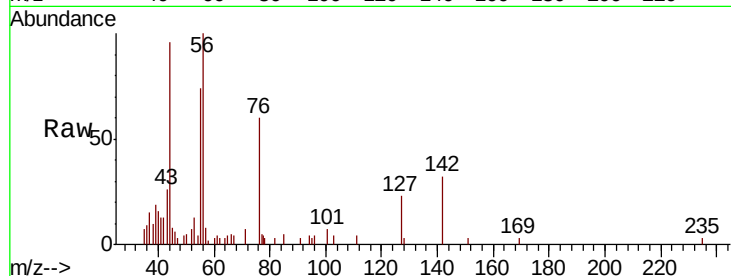
55 74.3 70.2 105.2

Manual Integrations

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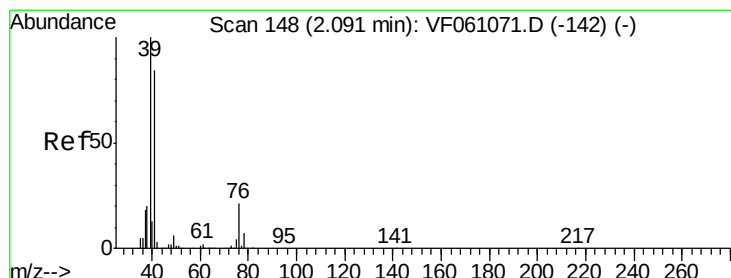
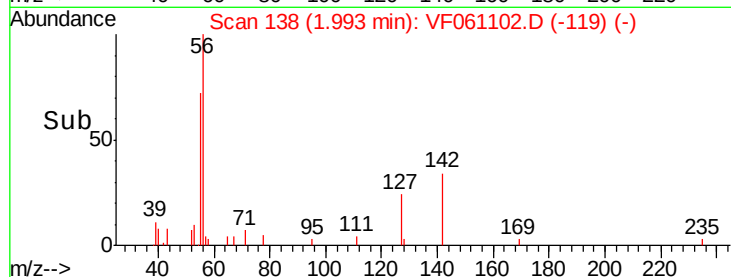
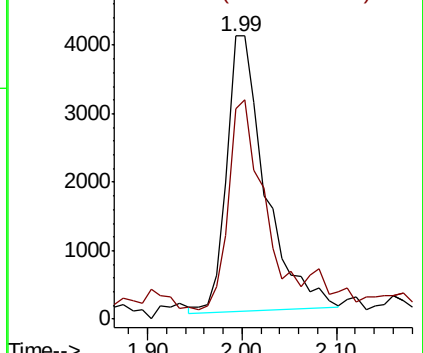
apatel

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 25.031 ug/l

RT: 2.09 min Scan# 148

Delta R.T. 0.00 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

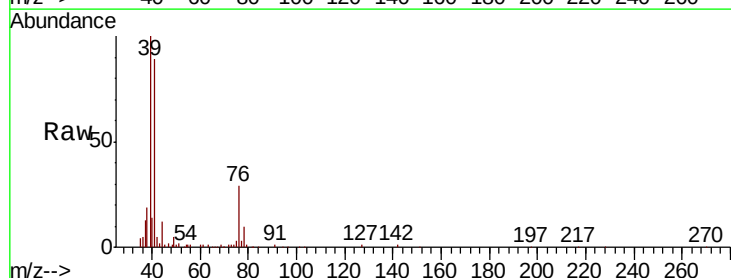
Tgt Ion: 41 Resp: 54137

Ion Ratio Lower Upper

41 100

39 111.7 96.4 144.6

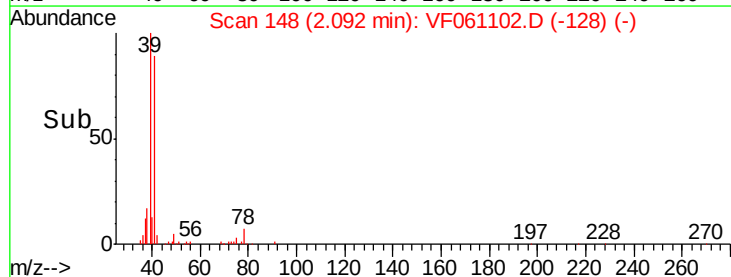
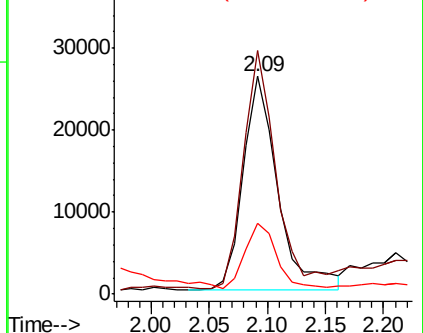
76 32.6 25.4 38.0

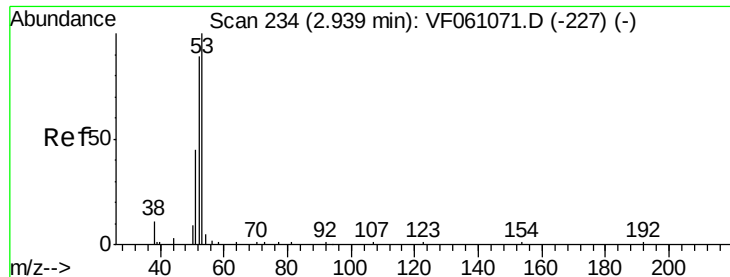


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 129.682 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.00 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

Instrument :

MSVOA_F

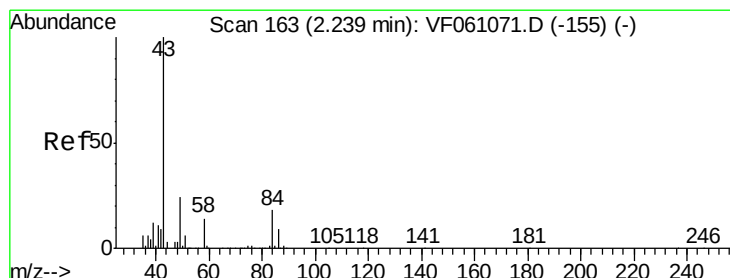
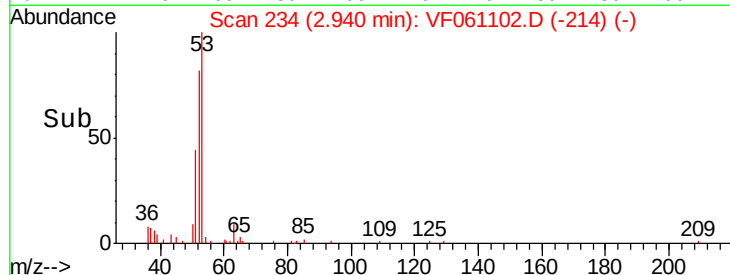
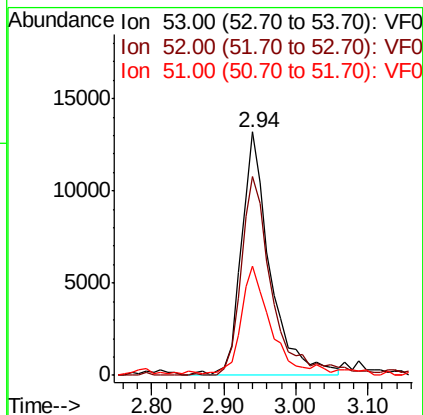
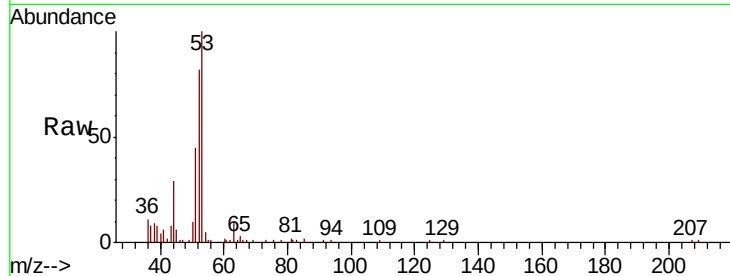
ClientSampleId :

VF1220SBS01

Tot Ion:	53	Resp:	36696
Ion	Ratio	Lower	Upper
53	100		
52	81.6	71.3	106.9
51	44.6	36.8	55.2

Manual Integrations
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#16

Acetone

Concen: 118.888 ug/l

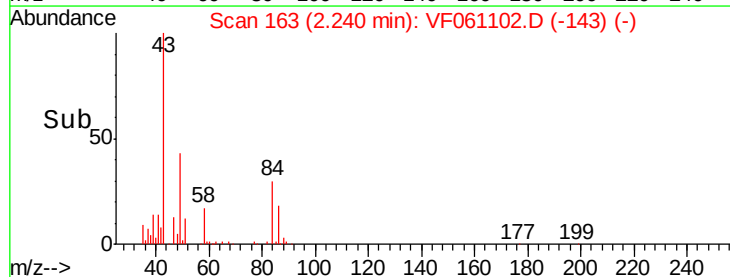
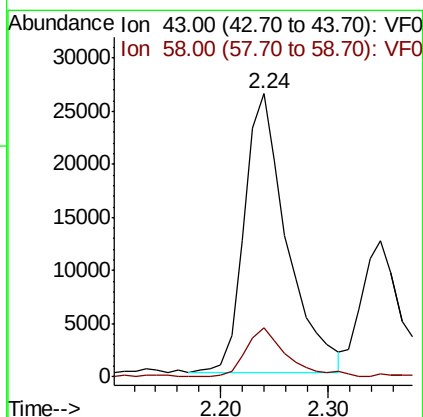
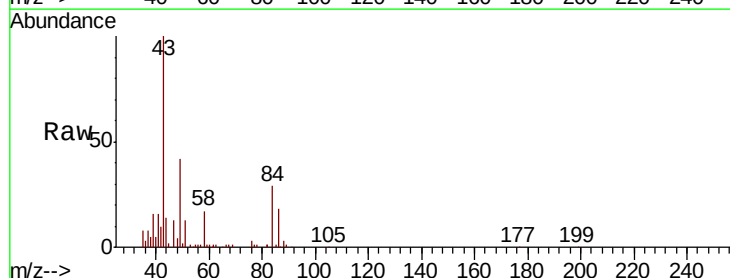
RT: 2.24 min Scan# 163

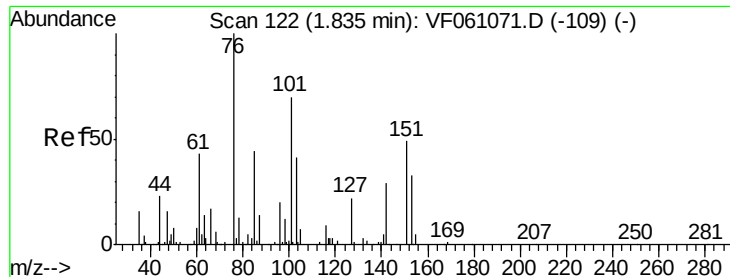
Delta R.T. 0.00 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

Tgt Ion:	43	Resp:	72072
Ion	Ratio	Lower	Upper
43	100		
58	17.3	11.1	16.7#





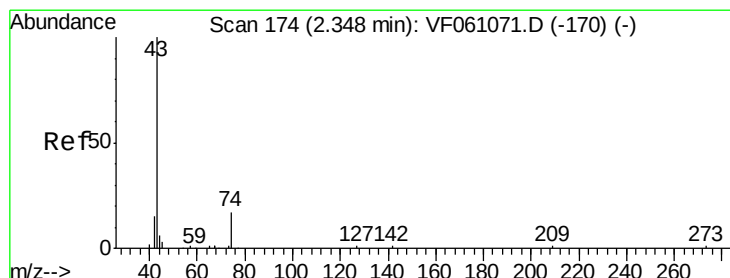
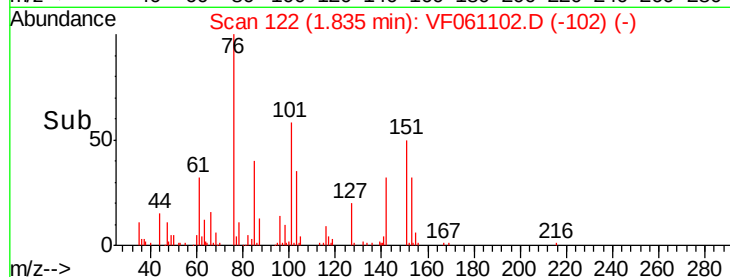
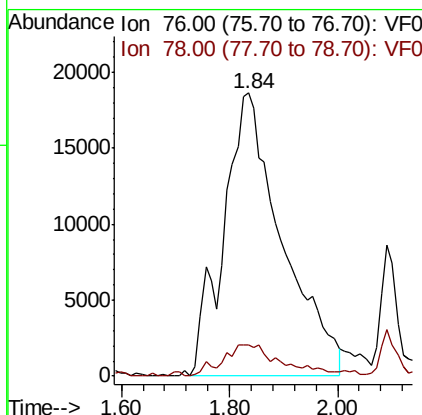
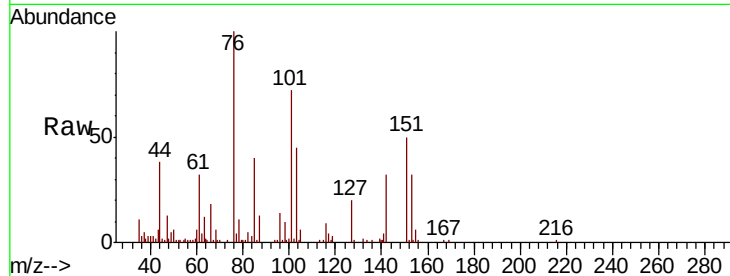
#17
Carbon Disulfide
Concen: 22.315 ug/l m
RT: 1.84 min Scan# 122
Delta R.T. 0.00 min
Lab File: VF061102.D
Acq: 20 Dec 2018 12:23

Instrument :
MSVOA_F
ClientSampleId :
VF1220SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	11.2	10.2	15.4

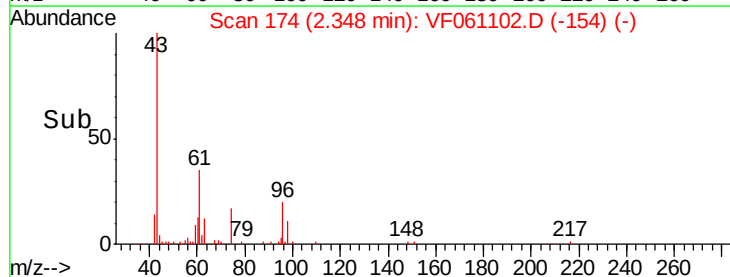
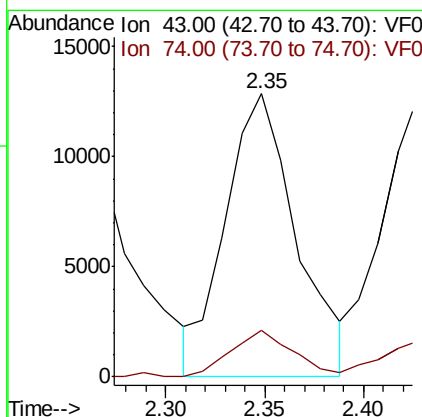
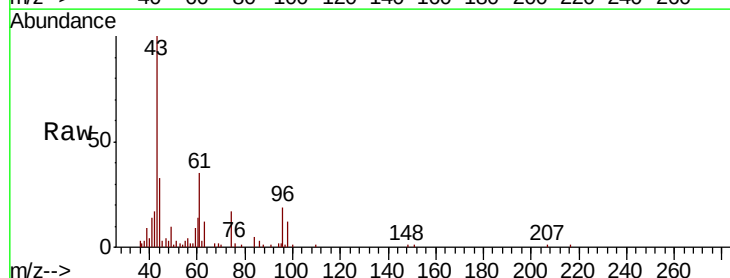
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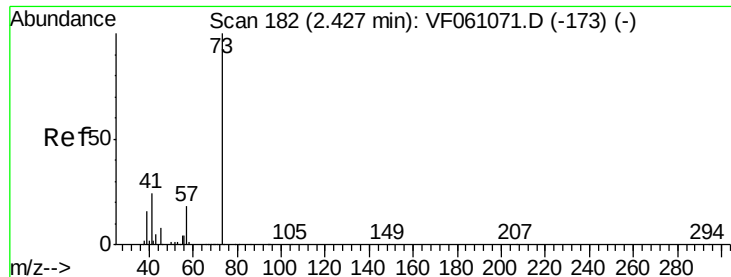
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#18
Methyl Acetate
Concen: 25.547 ug/l m
RT: 2.35 min Scan# 174
Delta R.T. 0.00 min
Lab File: VF061102.D
Acq: 20 Dec 2018 12:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.6	11.0	16.6#





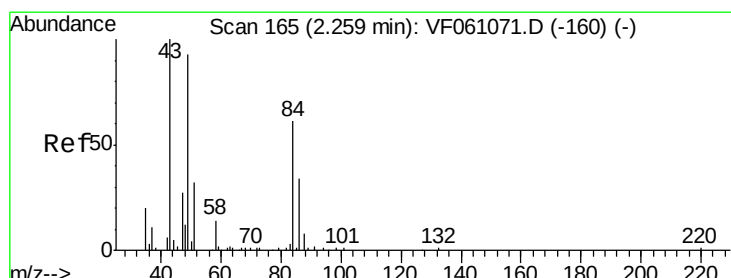
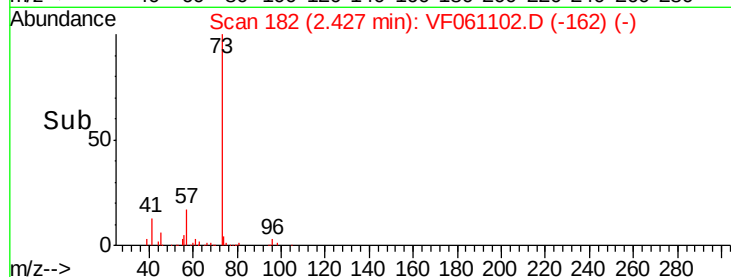
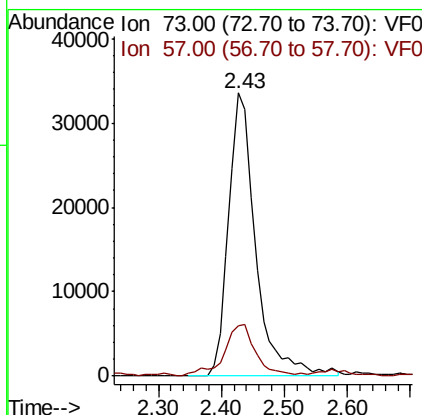
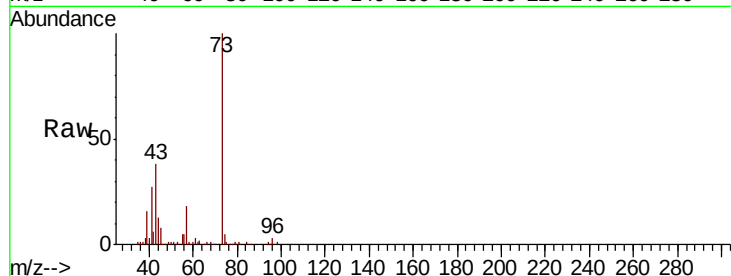
#19
Methyl tert-butyl Ether
Concen: 21.707 ug/l
RT: 2.43 min Scan# 182
Delta R.T. 0.00 min
Lab File: VF061102.D
Acq: 20 Dec 2018 12:23

Instrument :
MSVOA_F
ClientSampleId :
VF1220SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.8	14.5	21.7

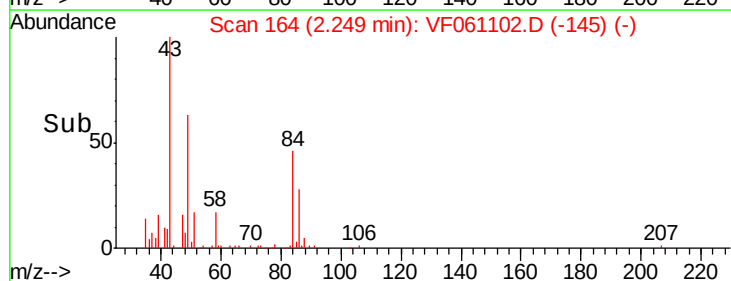
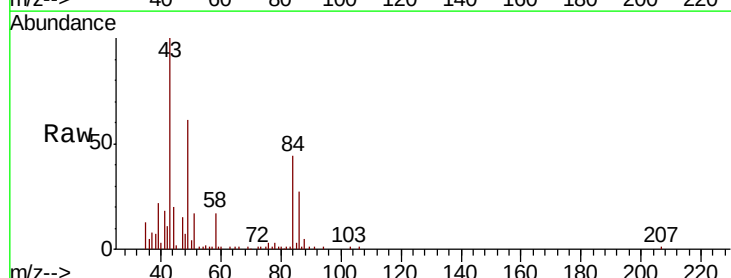
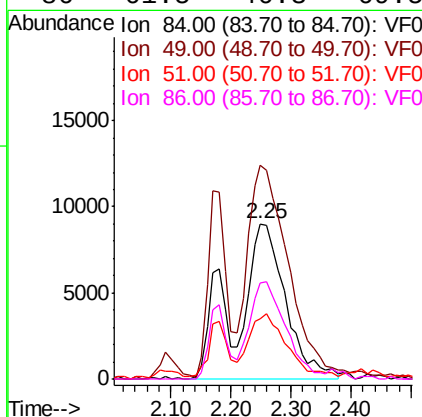
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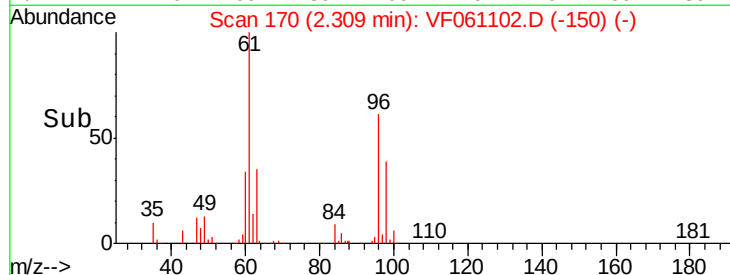
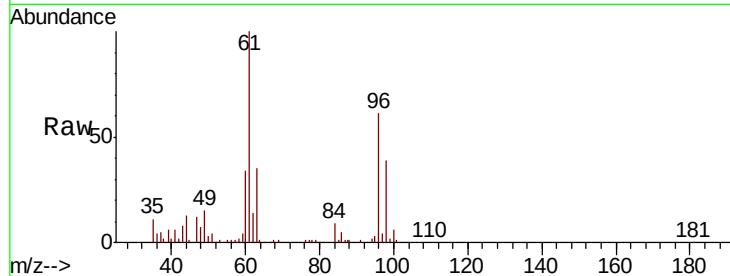
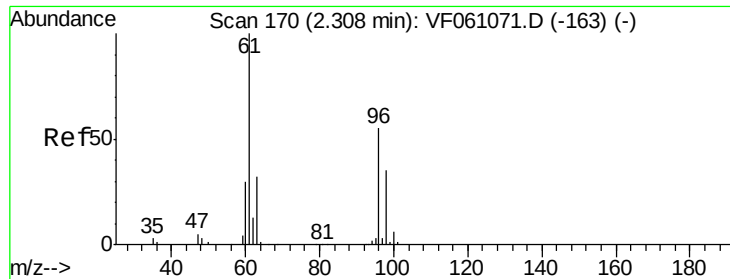
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#20
Methylene Chloride
Concen: 24.594 ug/l m
RT: 2.25 min Scan# 164
Delta R.T. -0.01 min
Lab File: VF061102.D
Acq: 20 Dec 2018 12:23

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.6	129.4	194.2
51	39.0	44.0	66.0#
86	61.5	46.3	69.5





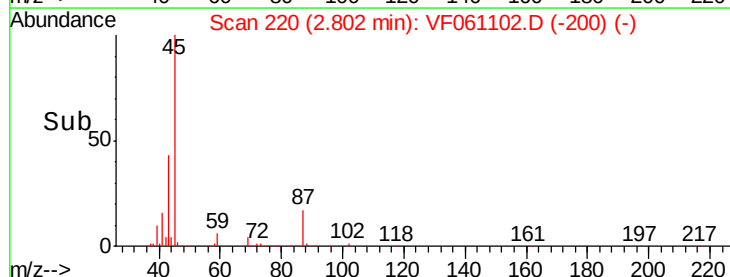
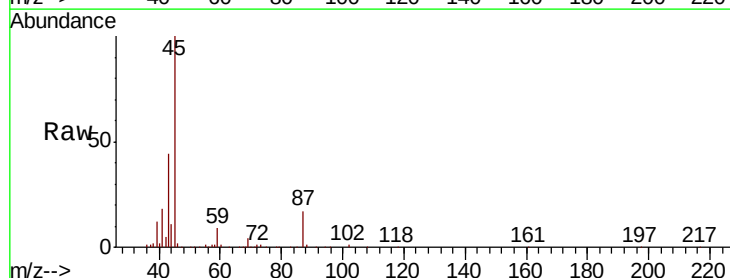
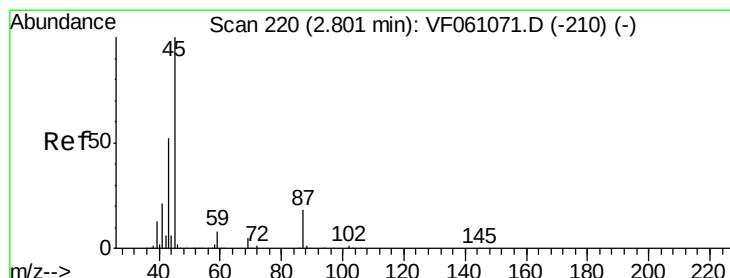
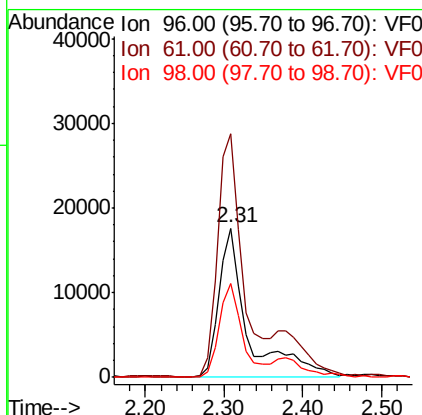
#21
trans-1,2-Dichloroethene
Concen: 20.602 ug/l m
RT: 2.31 min Scan# 170
Delta R.T. 0.00 min
Lab File: VF061102.D
Acq: 20 Dec 2018 12:23

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.0	146.0	219.0
98	62.9	51.6	77.4

Instrument :
MSVOA_F
ClientSampleId :
VF1220SBS01

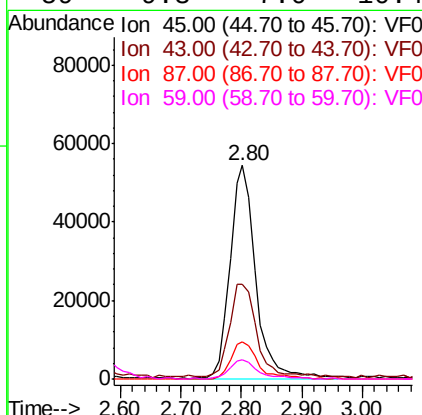
Manual Integrations
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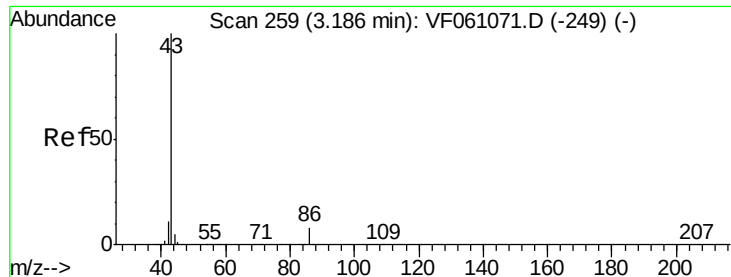
apatel
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#22
Diisopropyl ether
Concen: 22.413 ug/l
RT: 2.80 min Scan# 220
Delta R.T. 0.00 min
Lab File: VF061102.D
Acq: 20 Dec 2018 12:23

Tgt Ion	Ratio	Lower	Upper
45	100		
43	44.3	42.2	63.2
87	17.2	14.6	22.0
59	9.3	7.0	10.4





#23

Vinyl Acetate

Concen: 114.691 ug/l

RT: 3.19 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

Instrument :

MSVOA_F

ClientSampleId :

VF1220SBS01

Tot Ion: 43 Resp: 381184

Ion Ratio Lower Upper

43 100

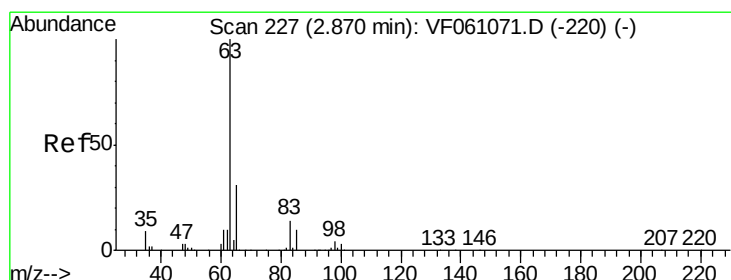
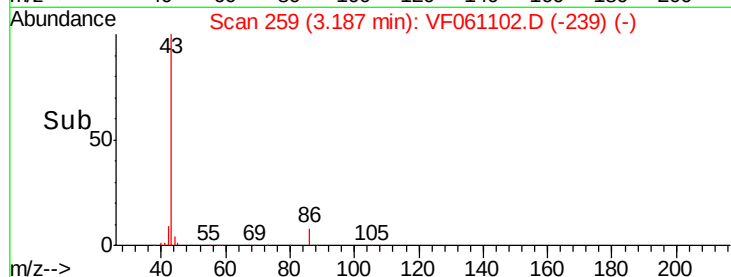
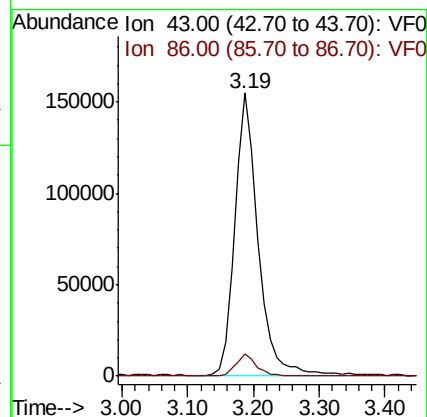
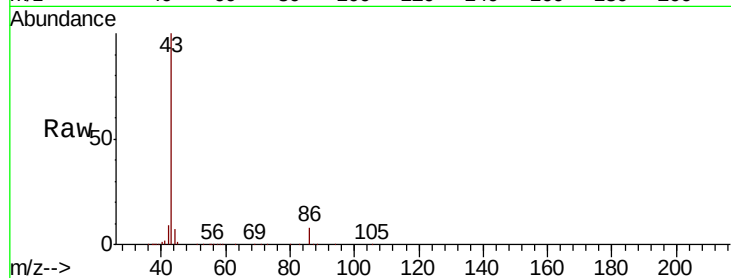
86 7.9 6.3 9.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.030 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.00 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

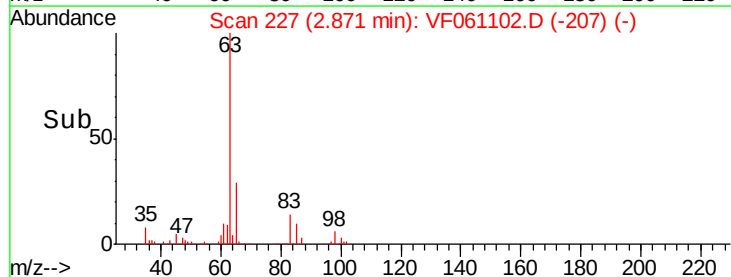
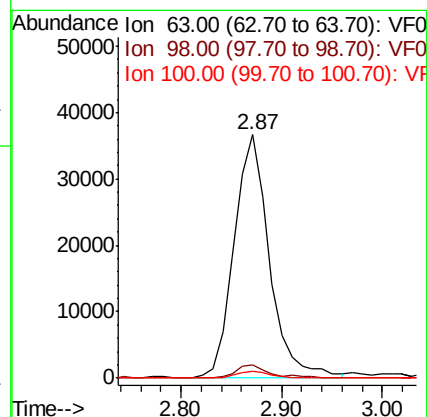
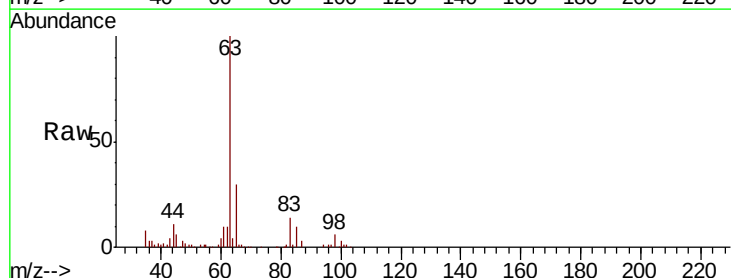
Tgt Ion: 63 Resp: 89770

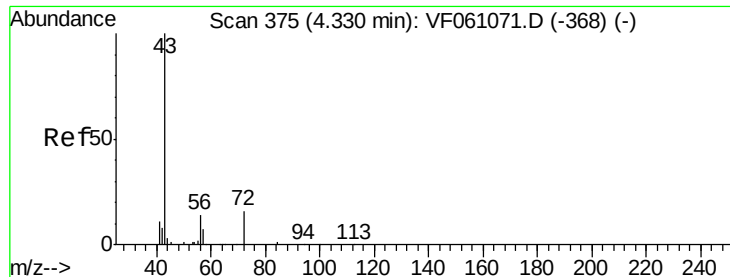
Ion Ratio Lower Upper

63 100

98 5.6 2.1 6.5

100 3.0 1.7 5.1





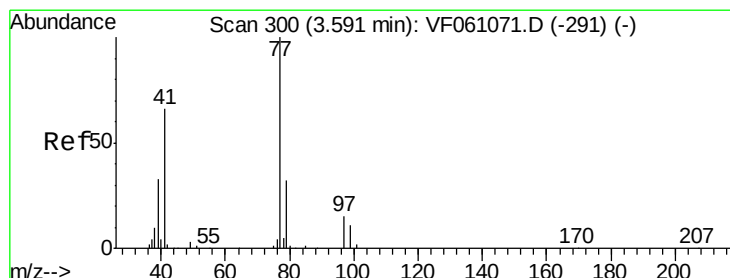
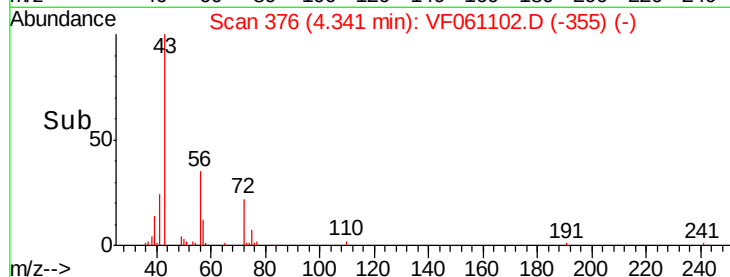
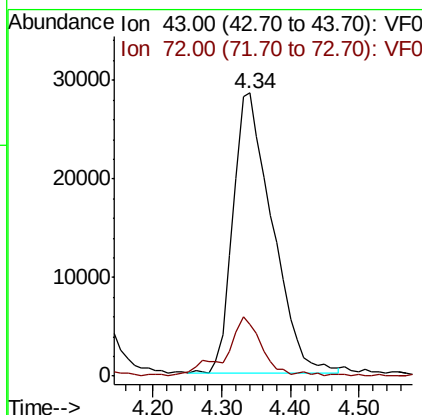
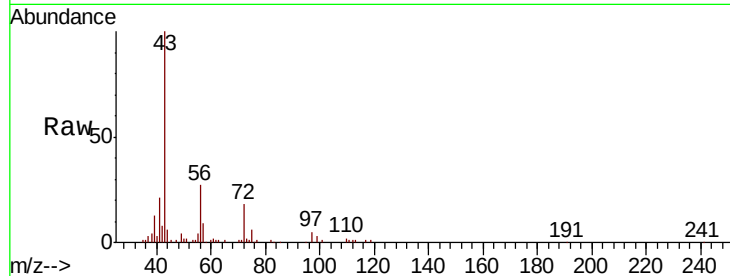
#25
2-Butanone
Concen: 114.680 ug/l
RT: 4.34 min Scan# 376
Delta R.T. 0.01 min
Lab File: VF061102.D
Acq: 20 Dec 2018 12:23

Instrument :
MSVOA_F
ClientSampleId :
VF1220SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
72	18.3	15.6	23.4

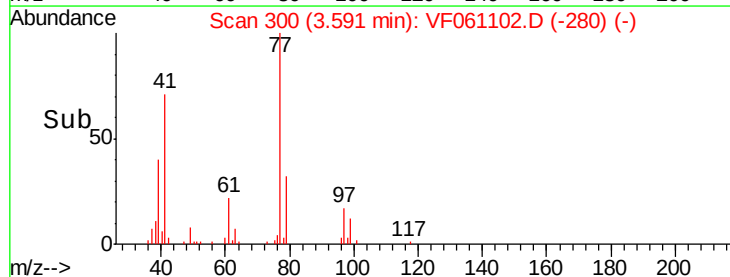
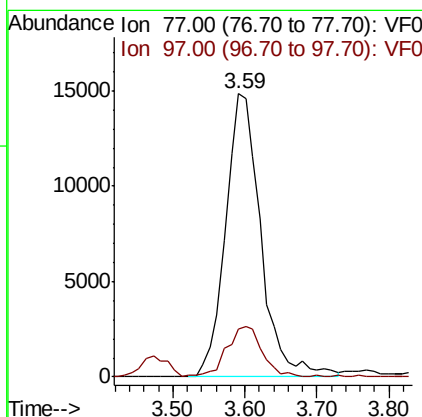
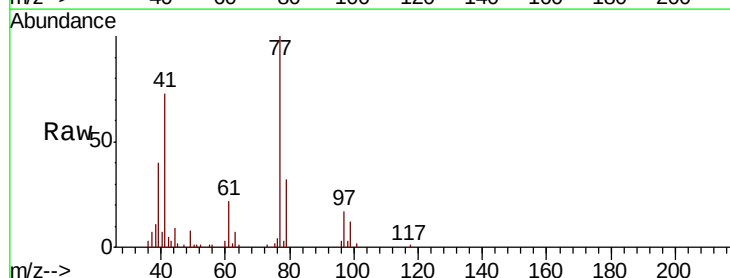
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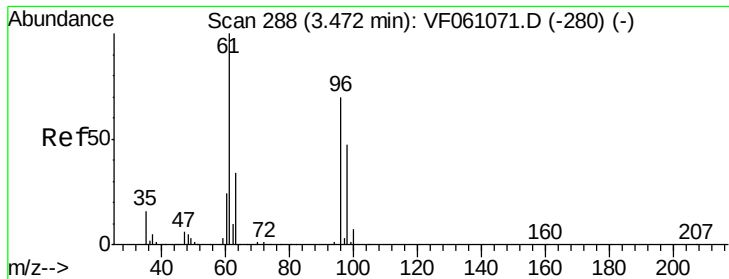
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#26
2,2-Dichloropropane
Concen: 20.678 ug/l
RT: 3.59 min Scan# 300
Delta R.T. 0.00 min
Lab File: VF061102.D
Acq: 20 Dec 2018 12:23

Tgt Ion	Ratio	Lower	Upper
77	100		
97	17.0	8.2	24.4





#27

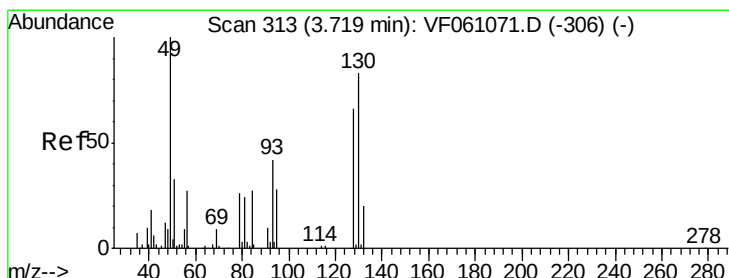
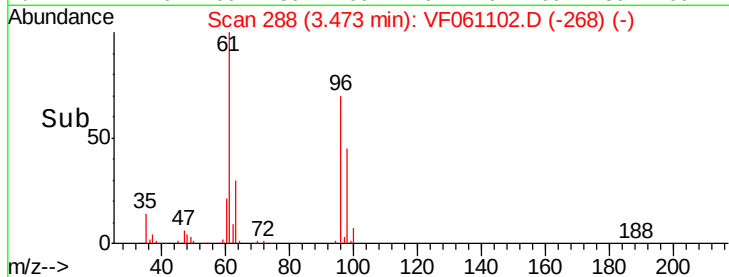
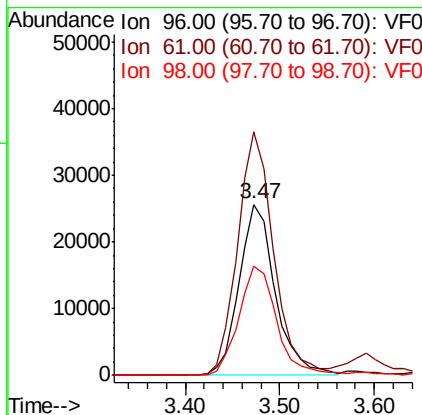
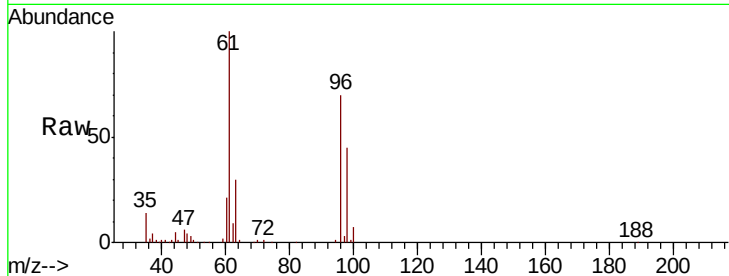
cis-1,2-Dichloroethene
 Concen: 20.053 ug/l
 RT: 3.47 min Scan# 288
 Delta R.T. 0.00 min
 Lab File: VF061102.D
 Acq: 20 Dec 2018 12:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1220SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	68241		
61	142.2		0.0	287.8
98	63.5		0.0	134.2

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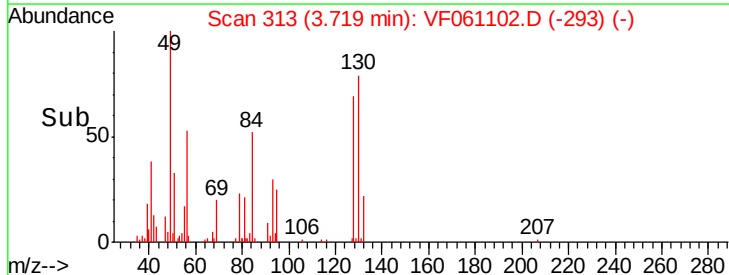
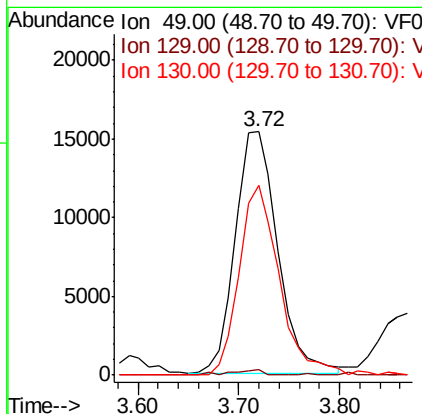
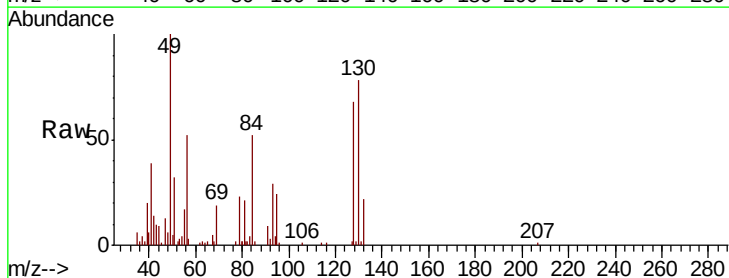
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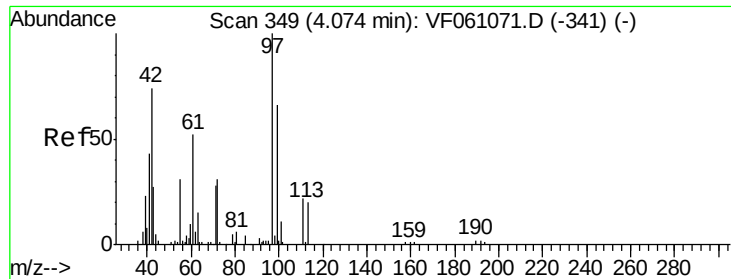


#28

Bromochloromethane
 Concen: 20.804 ug/l
 RT: 3.72 min Scan# 313
 Delta R.T. 0.00 min
 Lab File: VF061102.D
 Acq: 20 Dec 2018 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	45060		
129	2.1		0.0	3.6
130	78.1		65.8	98.6





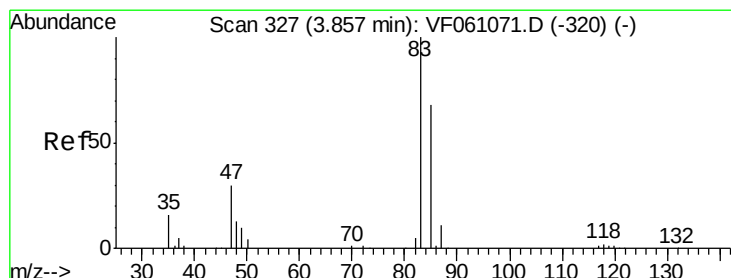
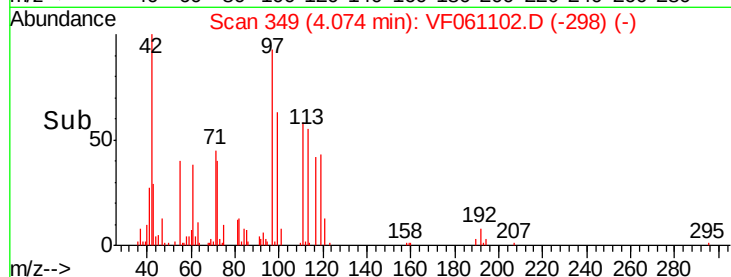
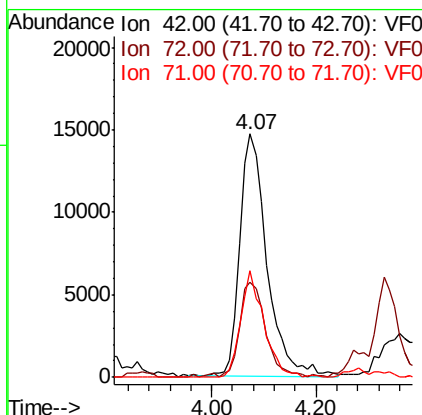
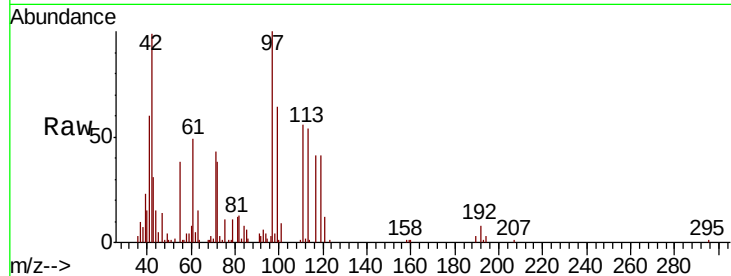
#29
Tetrahydrofuran
Concen: 128.516 ug/l
RT: 4.07 min Scan# 349
Delta R.T. 0.00 min
Lab File: VF061102.D
Acq: 20 Dec 2018 12:23

Instrument :
MSVOA_F
ClientSampleId :
VF1220SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.3	31.8	47.8
71	37.3	29.7	44.5

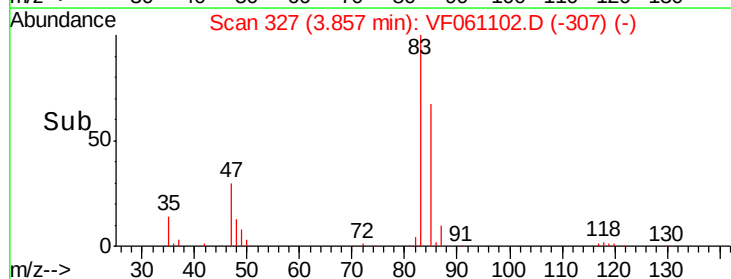
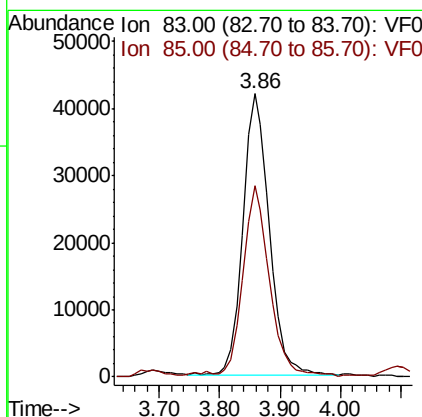
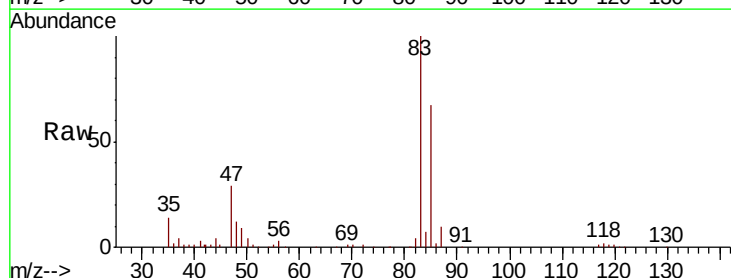
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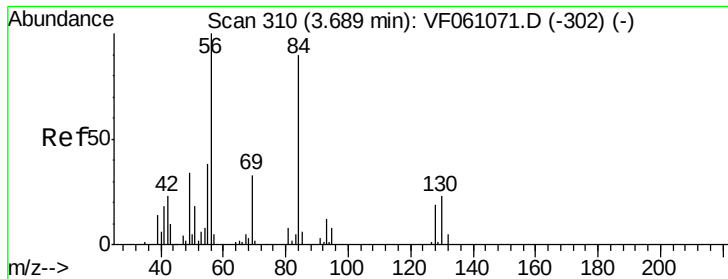
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#30
Chloroform
Concen: 19.770 ug/l
RT: 3.86 min Scan# 327
Delta R.T. 0.00 min
Lab File: VF061102.D
Acq: 20 Dec 2018 12:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.4	54.5	81.7





#31

Cyclohexane

Concen: 23.327 ug/l m

RT: 3.69 min Scan# 310

Delta R.T. 0.00 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

Instrument :

MSVOA_F

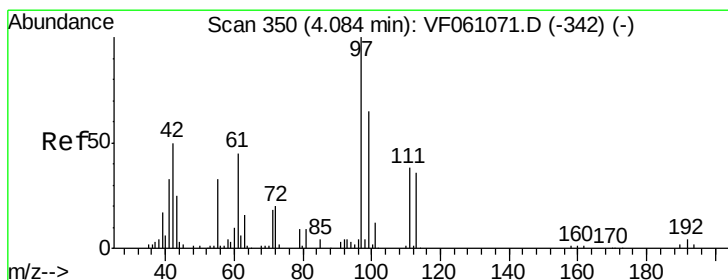
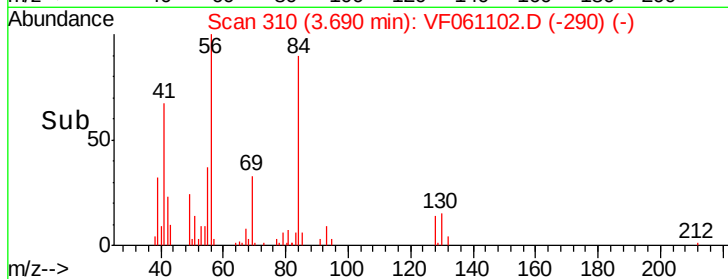
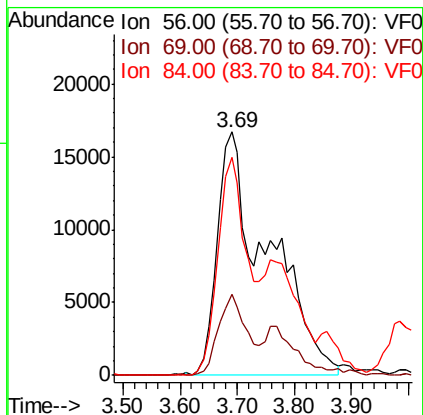
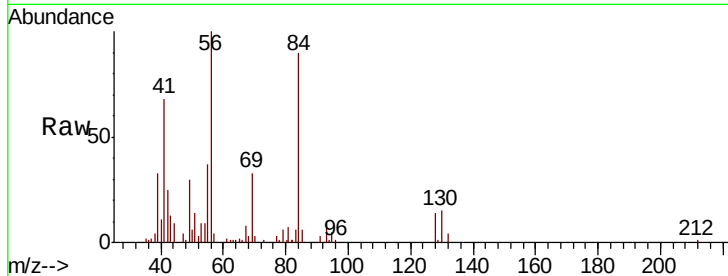
ClientSampleId :

VF1220SBS01

Tot Ion:	56	Resp:	103325
Ion Ratio	Lower	Upper	
56	100		
69	33.4	26.0	39.0
84	89.6	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.933 ug/l

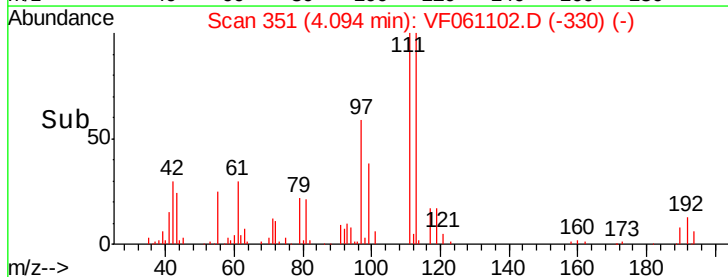
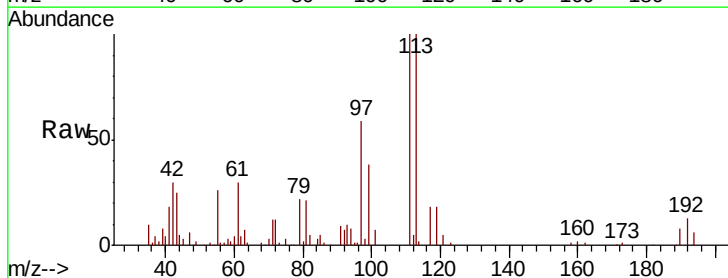
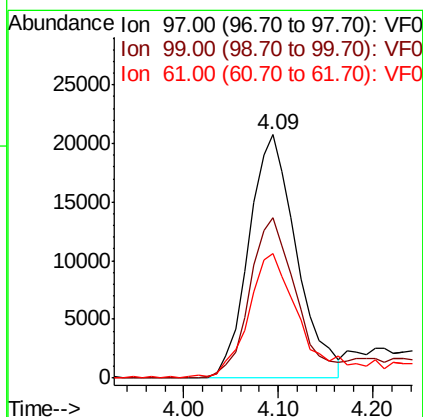
RT: 4.09 min Scan# 351

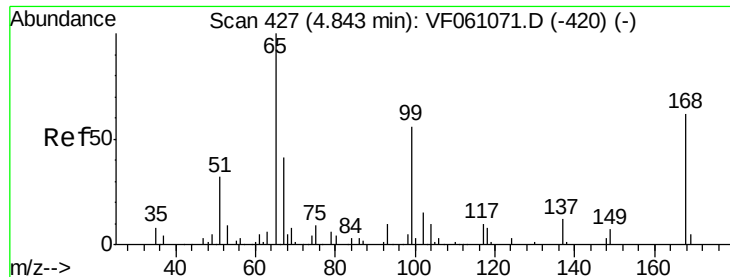
Delta R.T. 0.01 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

Tgt Ion:	97	Resp:	72633
Ion Ratio	Lower	Upper	
97	100		
99	65.7	51.6	77.4
61	51.0	36.2	54.2





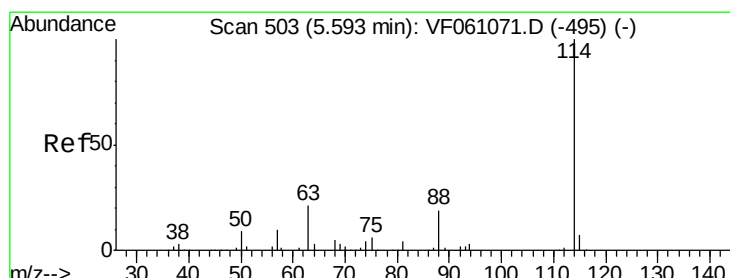
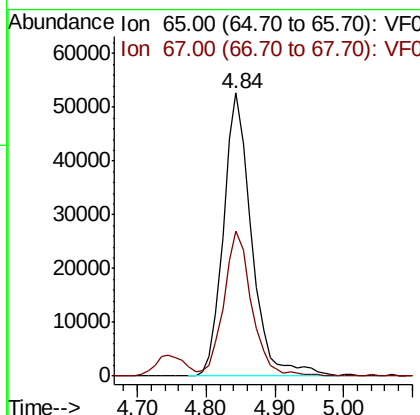
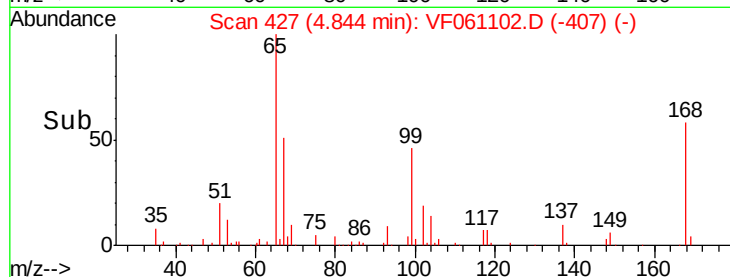
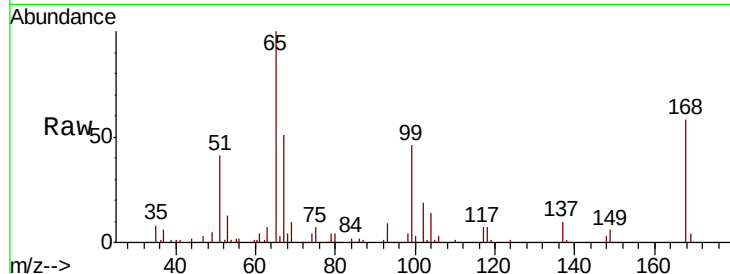
#33
 1,2-Dichloroethane-d4
 Concen: 49.335 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. 0.00 min
 Lab File: VF061102.D
 Acq: 20 Dec 2018 12:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1220SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	94.6

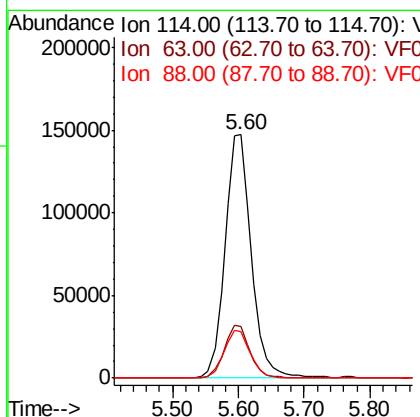
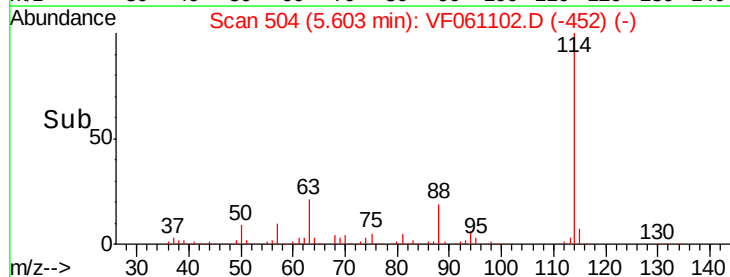
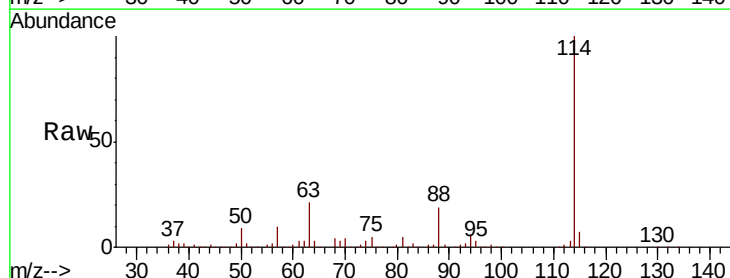
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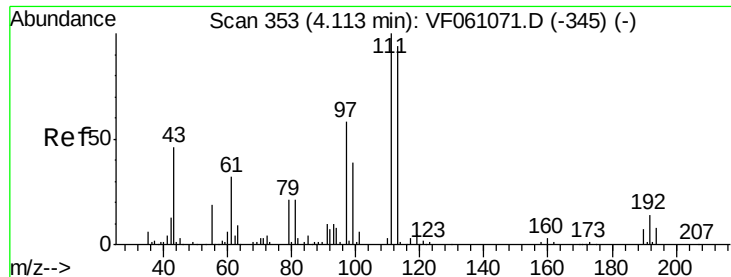
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. 0.01 min
 Lab File: VF061102.D
 Acq: 20 Dec 2018 12:23

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	41.6
88	18.9	0.0	38.0





#35

Dibromofluoromethane

Concen: 50.658 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

Instrument :

MSVOA_F

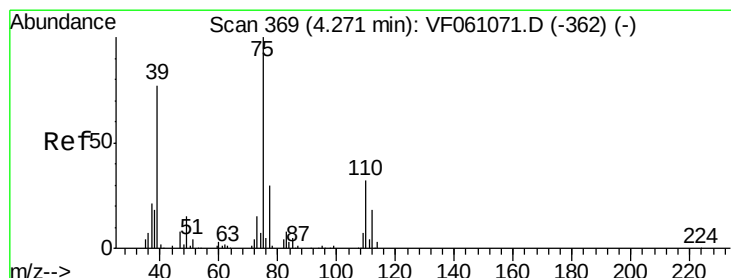
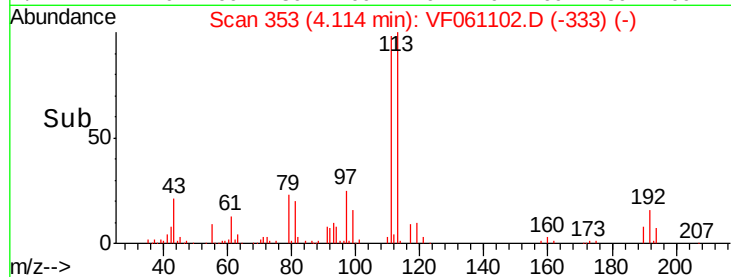
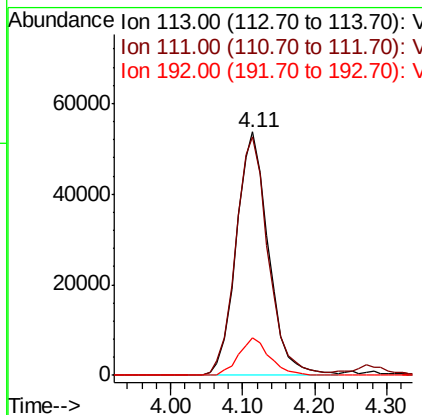
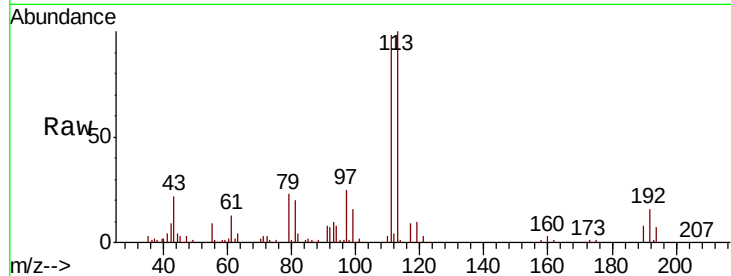
ClientSampleId :

VF1220SBS01

Tot Ion:	113	Resp:	167265
Ion Ratio	Lower	Upper	
113	100		
111	98.1	85.2	127.8
192	15.6	12.8	19.2

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#36

1,1-Dichloropropene

Concen: 19.858 ug/l

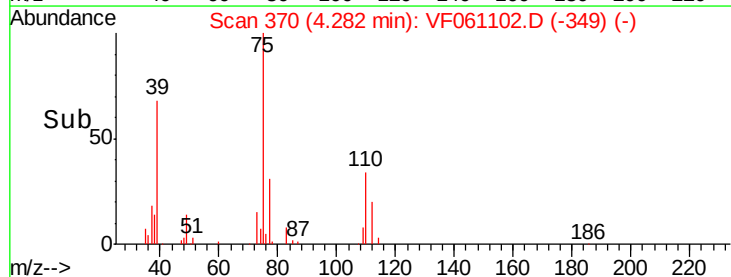
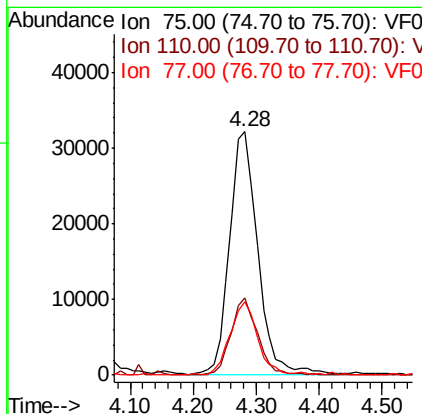
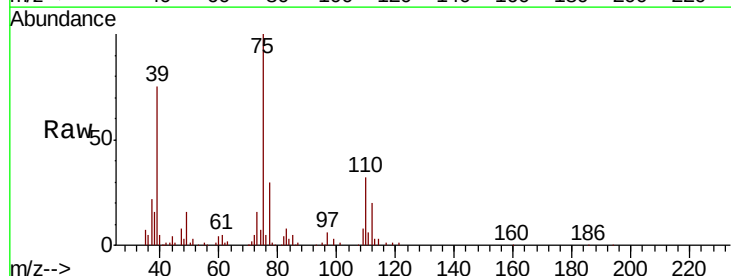
RT: 4.28 min Scan# 370

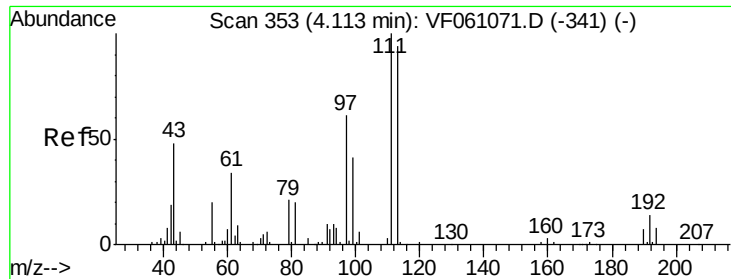
Delta R.T. 0.01 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

Tgt Ion:	75	Resp:	98802
Ion Ratio	Lower	Upper	
75	100		
110	31.8	16.1	48.2
77	29.9	24.5	36.7





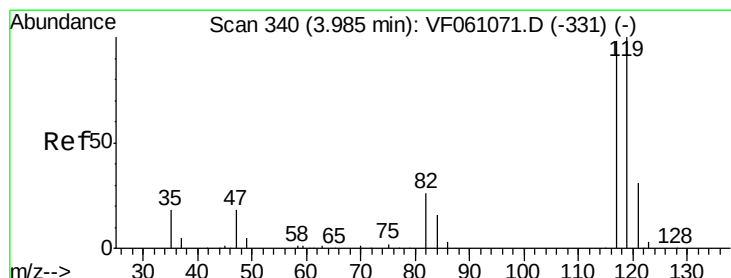
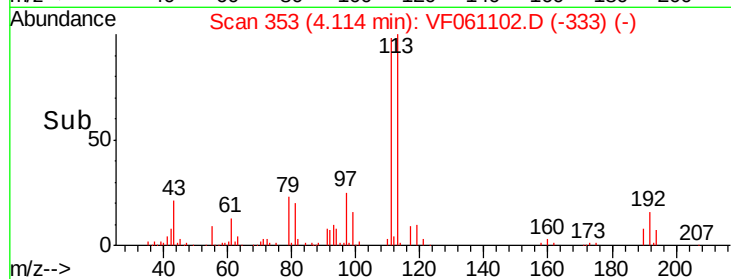
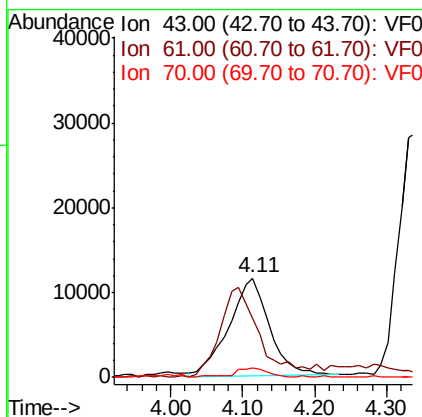
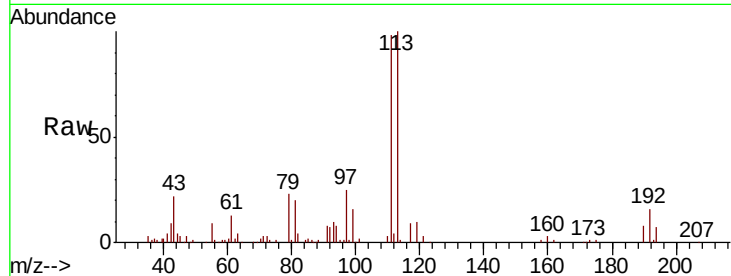
#37
Ethyl Acetate
Concen: 20.943 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.00 min
Lab File: VF061102.D
Acq: 20 Dec 2018 12:23

Instrument :
MSVOA_F
ClientSampleId :
VF1220SBS01

Tot Ion	43	61	70	Resp	Lower	Upper
43	100			44792		
61	59.6	56.6			84.8	
70	9.3	6.3			9.5	

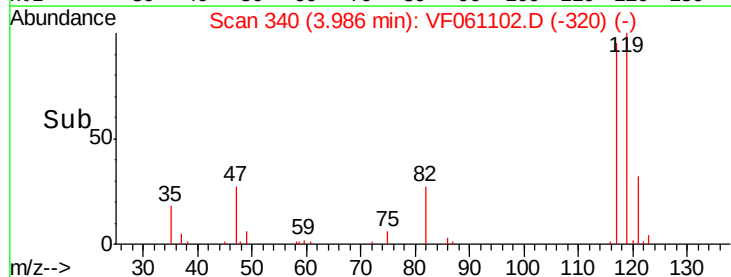
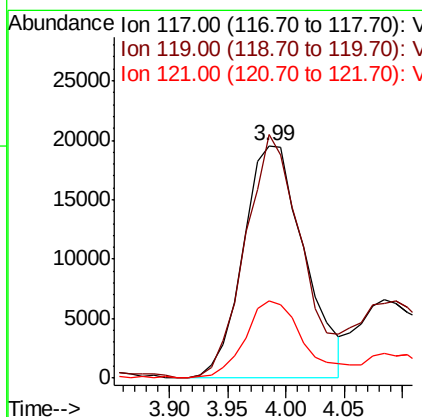
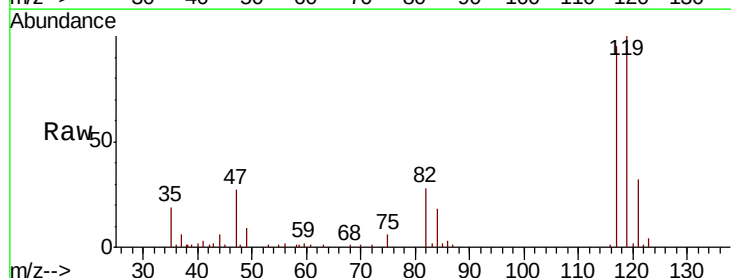
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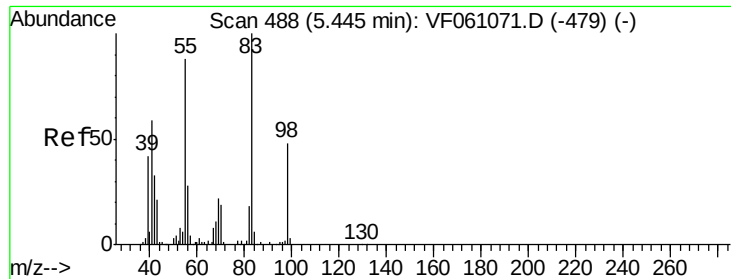
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#38
Carbon Tetrachloride
Concen: 18.827 ug/l
RT: 3.99 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF061102.D
Acq: 20 Dec 2018 12:23

Tgt Ion	117	119	121	Resp	Lower	Upper
117	100			71334		
119	104.8	82.1			123.1	
121	33.1	25.5			38.3	





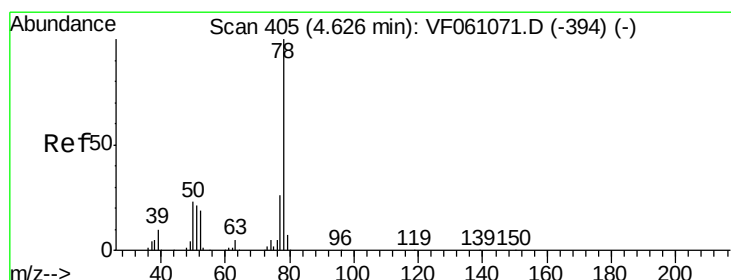
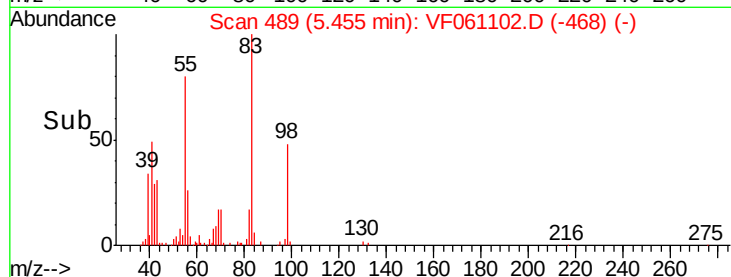
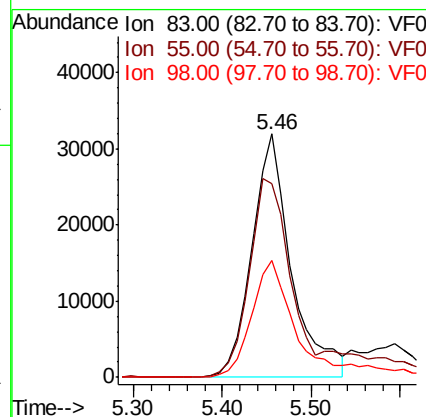
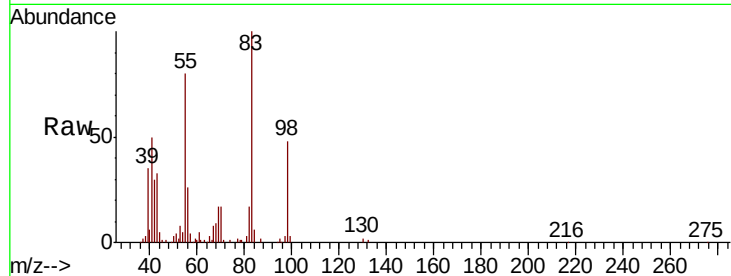
#39
Methylvlcyclohexane
Concen: 21.917 ug/l
RT: 5.46 min Scan# 489
Delta R.T. 0.01 min
Lab File: VF061102.D
Acq: 20 Dec 2018 12:23

Instrument :
MSVOA_F
ClientSampleId :
VF1220SBS01

Tot Ion	83	Resp	97830
Ion Ratio	Lower	Upper	
83	100		
55	79.7	70.6	105.8
98	47.8	38.5	57.7

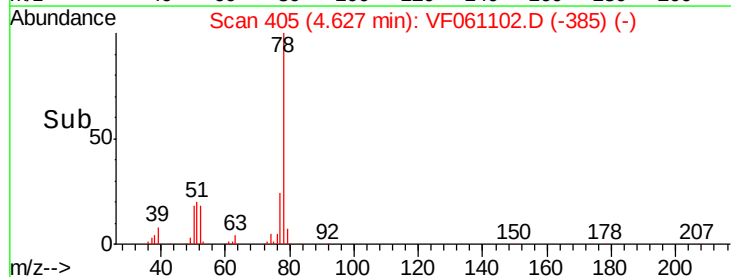
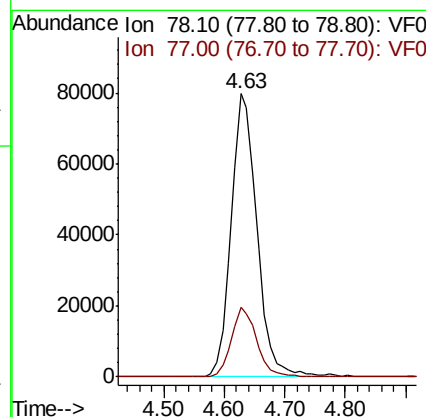
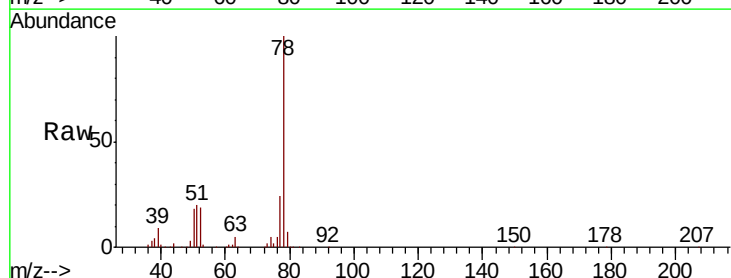
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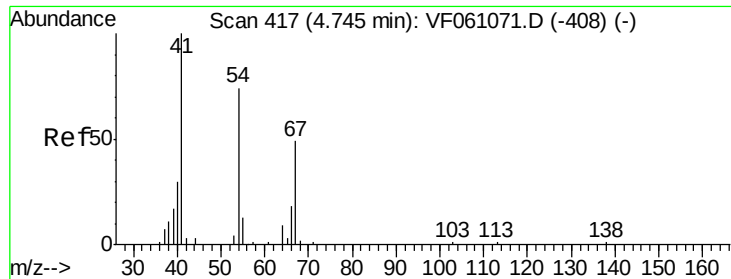
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#40
Benzene
Concen: 22.104 ug/l
RT: 4.63 min Scan# 405
Delta R.T. 0.00 min
Lab File: VF061102.D
Acq: 20 Dec 2018 12:23

Tgt Ion	78	Resp	236509
Ion Ratio	Lower	Upper	
78	100		
77	24.5	20.7	31.1





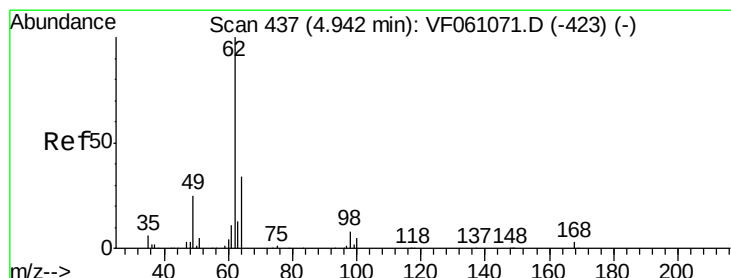
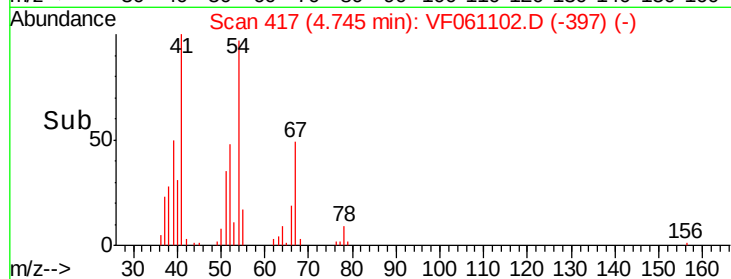
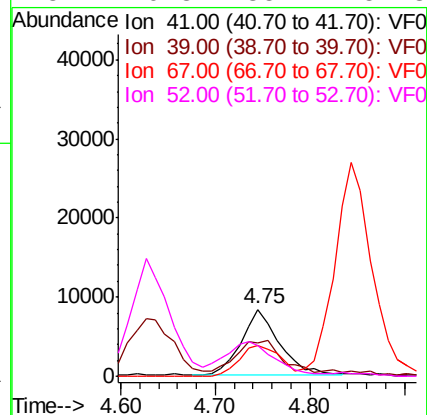
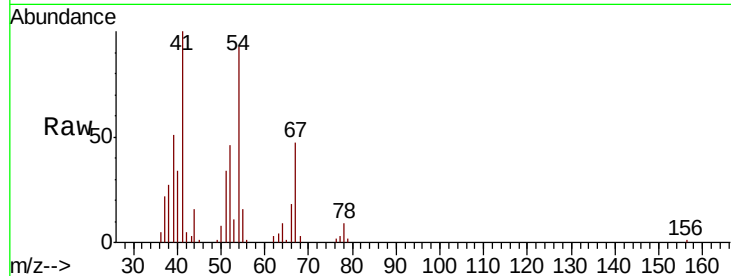
#41
Methacrylonitrile
Concen: 22.127 ug/l
RT: 4.75 min Scan# 417
Delta R.T. 0.00 min
Lab File: VF061102.D
Acq: 20 Dec 2018 12:23

Instrument :
MSVOA_F
ClientSampleId :
VF1220SBS01

Tot Ion	41	Resp	23250
Ion Ratio	Lower	Upper	
41	100		
39	50.9	45.7	68.5
67	46.7	38.9	58.3
52	46.3	35.2	52.8

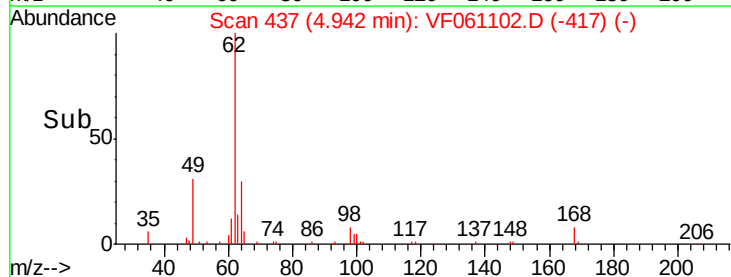
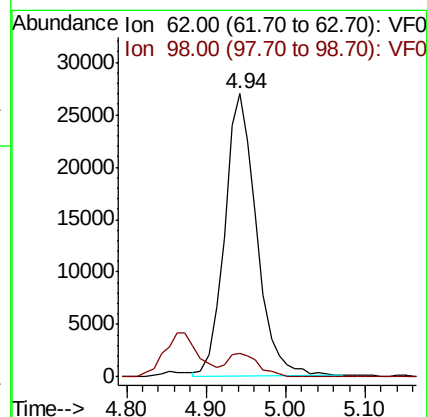
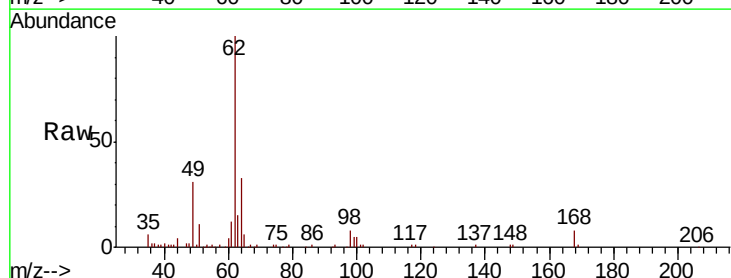
Manual Integrations
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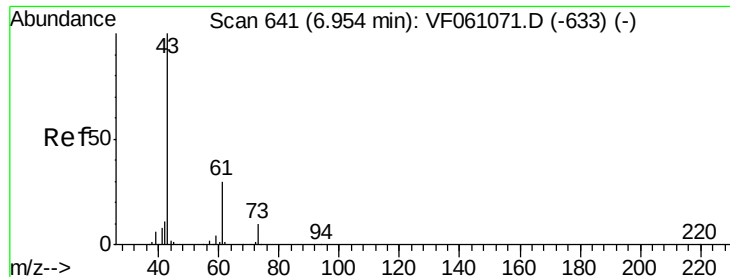
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#42
1,2-Dichloroethane
Concen: 18.481 ug/l
RT: 4.94 min Scan# 437
Delta R.T. 0.00 min
Lab File: VF061102.D
Acq: 20 Dec 2018 12:23

Tgt Ion	62	Resp	75117
Ion Ratio	Lower	Upper	
62	100		
98	8.1	0.0	16.6





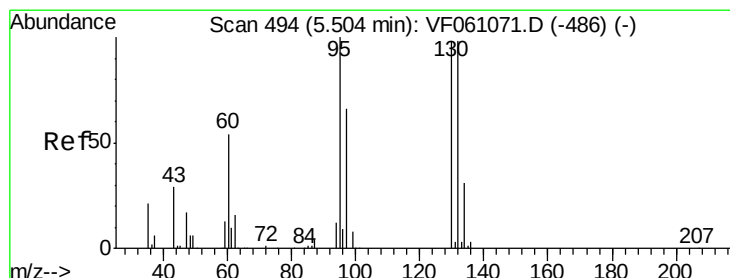
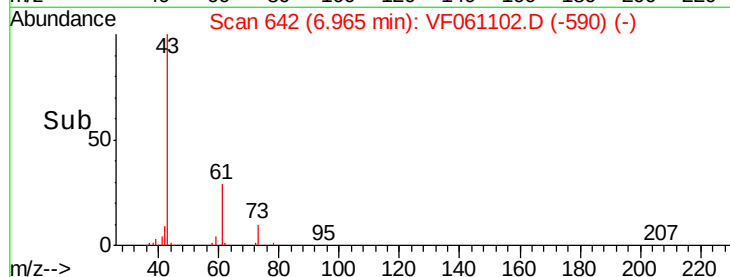
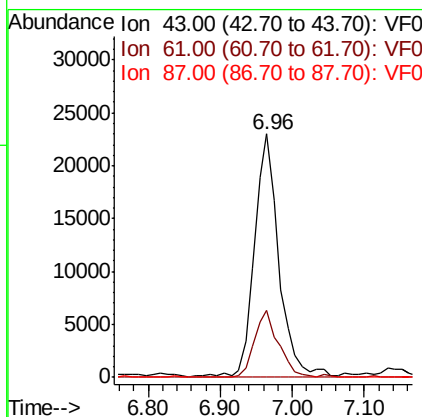
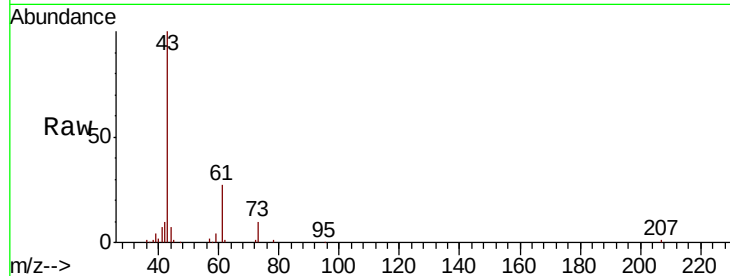
#43
Isopropyl Acetate
Concen: 22.857 ug/l
RT: 6.96 min Scan# 642
Delta R.T. 0.01 min
Lab File: VF061102.D
Acq: 20 Dec 2018 12:23

Instrument :
MSVOA_F
ClientSampleId :
VF1220SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.3	23.8	35.8
87	0.0	0.0	0.0

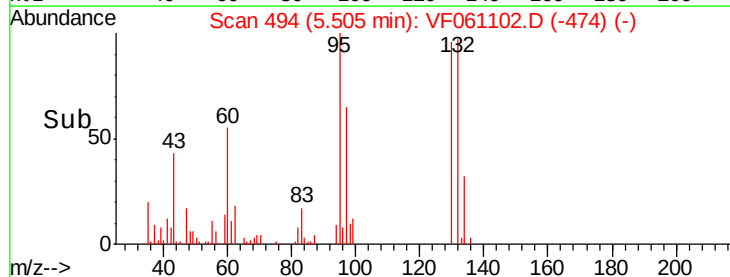
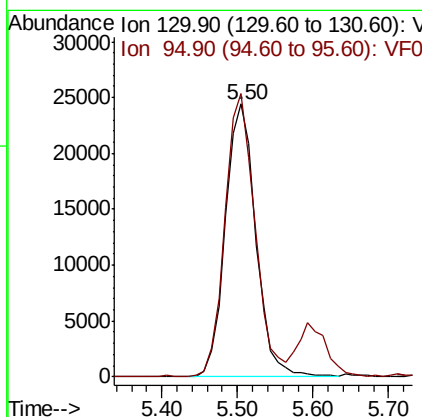
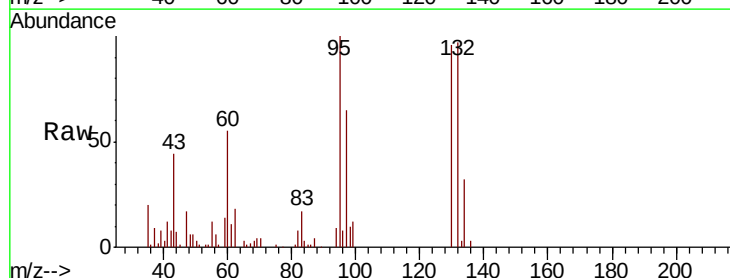
Manual Integrations
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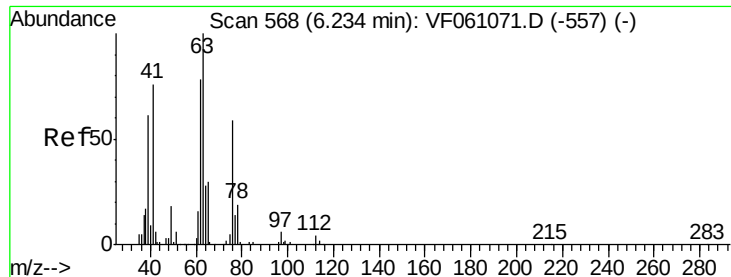
apatel
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#44
Trichloroethene
Concen: 20.115 ug/l
RT: 5.50 min Scan# 494
Delta R.T. 0.00 min
Lab File: VF061102.D
Acq: 20 Dec 2018 12:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.9	0.0	205.2





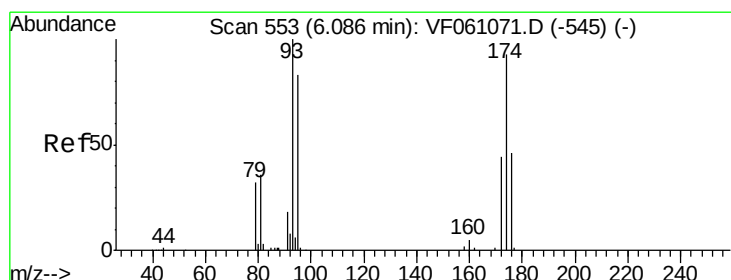
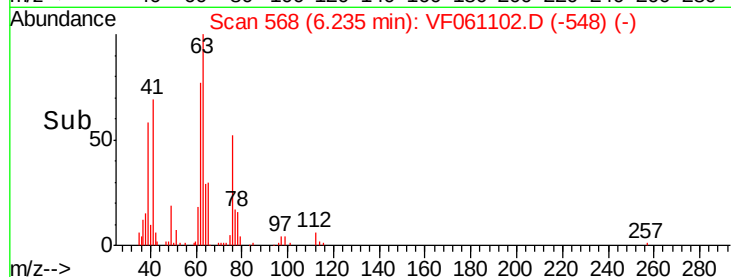
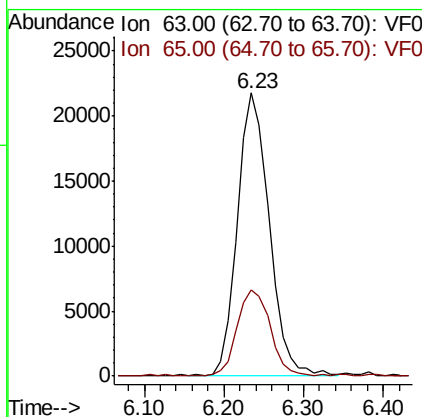
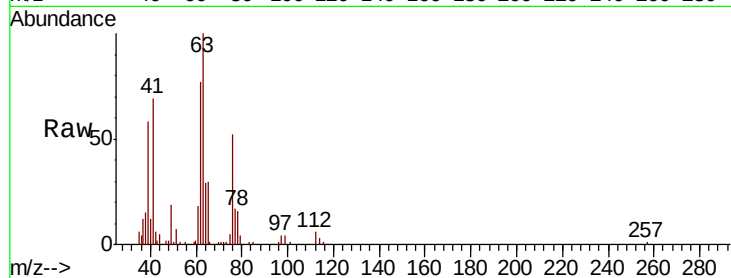
#45
 1,2-Dichloropropane
 Concen: 20.745 ug/l
 RT: 6.23 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VF061102.D
 Acq: 20 Dec 2018 12:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1220SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.4	36.6

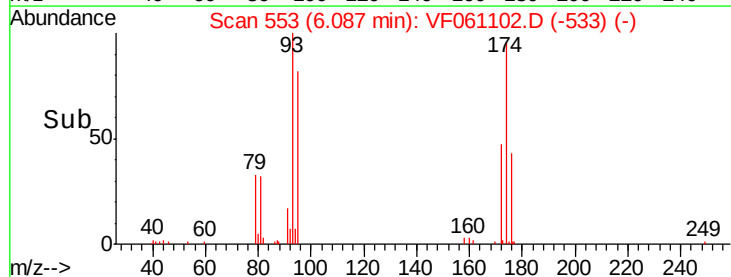
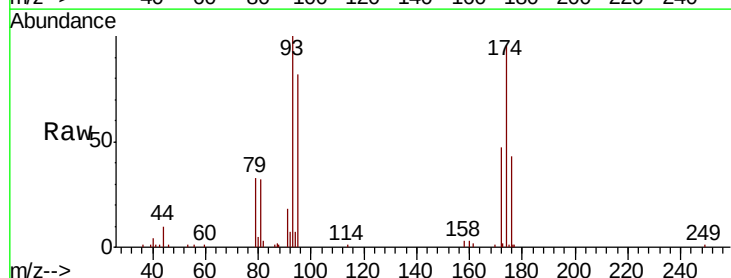
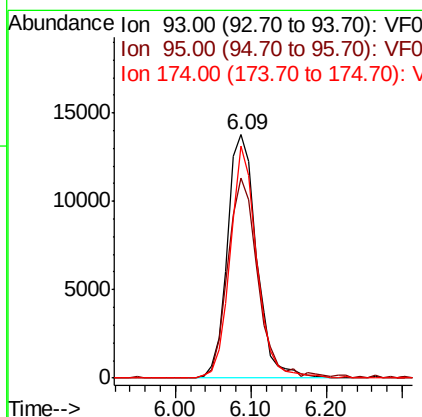
Manual Integrations
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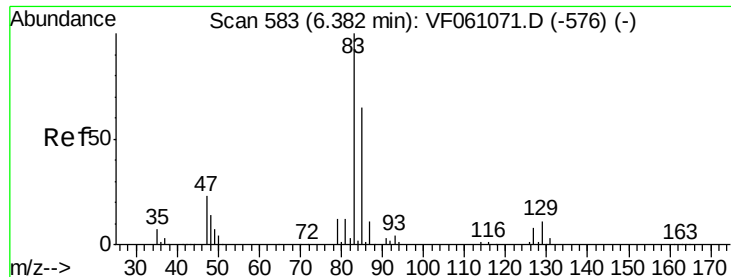
apatel
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#46
 Dibromomethane
 Concen: 19.381 ug/l
 RT: 6.09 min Scan# 553
 Delta R.T. 0.00 min
 Lab File: VF061102.D
 Acq: 20 Dec 2018 12:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.4	66.9	100.3
174	95.5	74.1	111.1





#47

Bromodichloromethane

Concen: 18.894 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.01 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

Instrument :

MSVOA_F

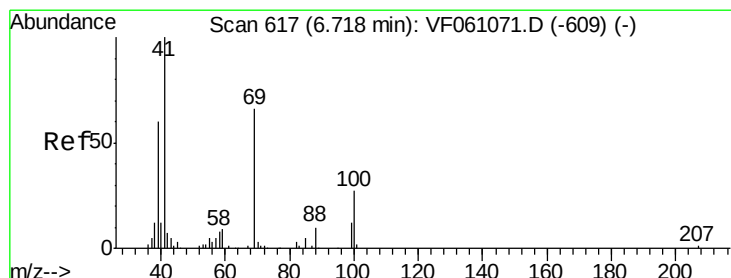
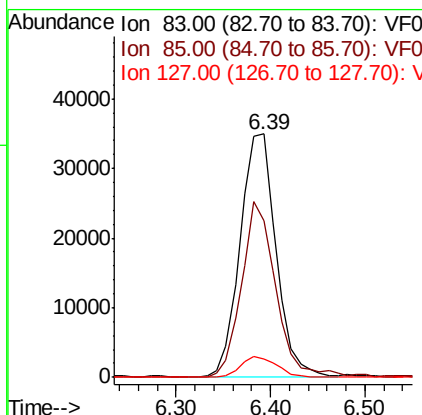
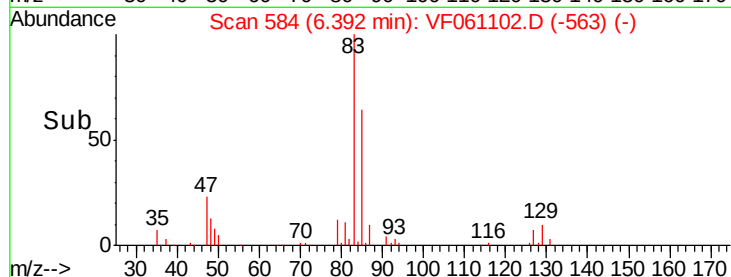
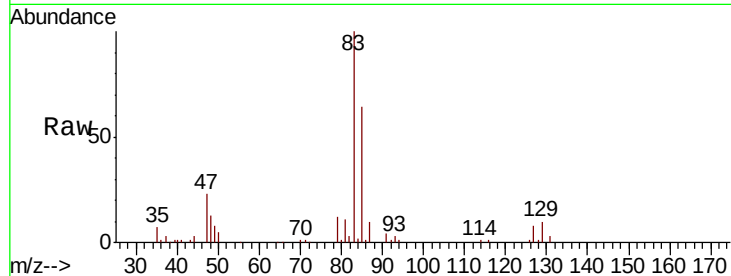
ClientSampleId :

VF1220SBS01

Tot Ion:	83	Resp:	92689
Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.2	78.4
127	7.5	6.1	9.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.898 ug/l

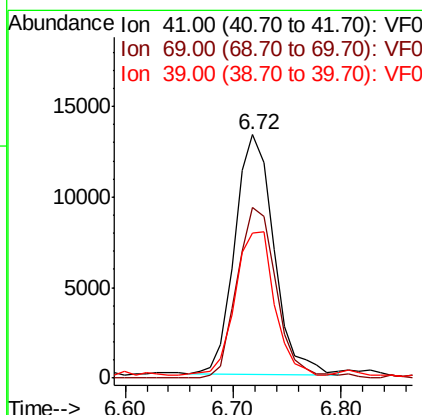
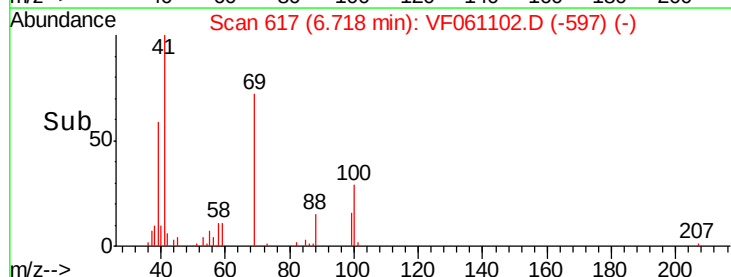
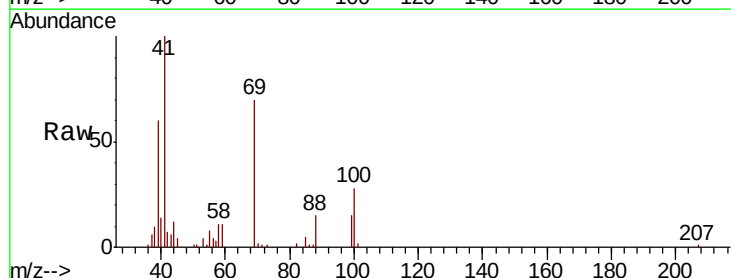
RT: 6.72 min Scan# 617

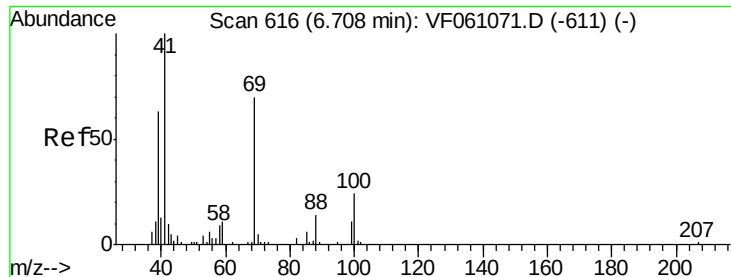
Delta R.T. 0.00 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

Tgt Ion:	41	Resp:	33371
Ion	Ratio	Lower	Upper
41	100		
69	70.3	52.7	79.1
39	59.8	47.8	71.6





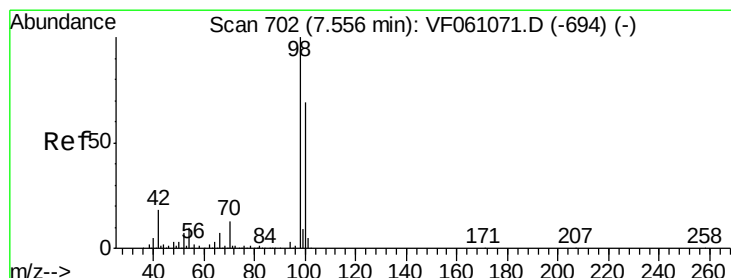
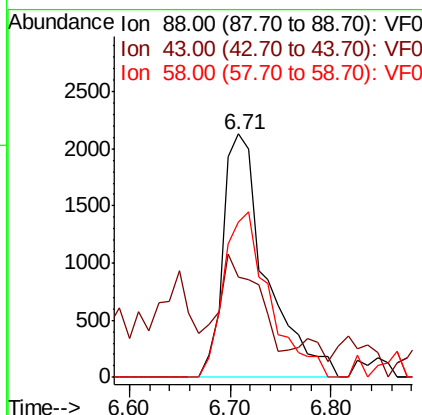
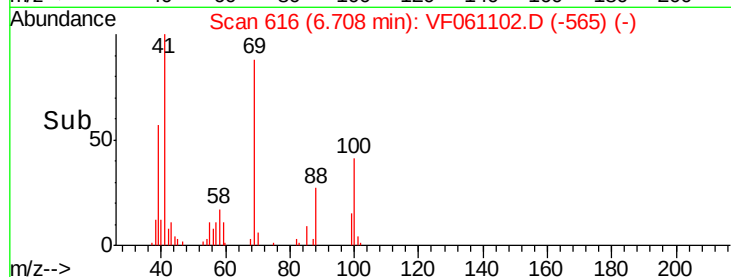
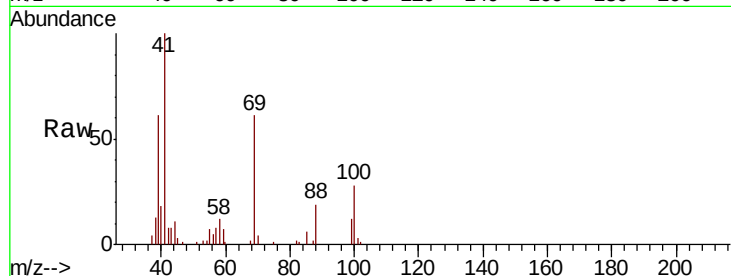
#49
1,4-Dioxane
Concen: 517.951 ug/l
RT: 6.71 min Scan# 616
Delta R.T. 0.00 min
Lab File: VF061102.D
Acq: 20 Dec 2018 12:23

Instrument :
MSVOA_F
ClientSampleId :
VF1220SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.4	33.3	49.9
58	63.6	53.2	79.8

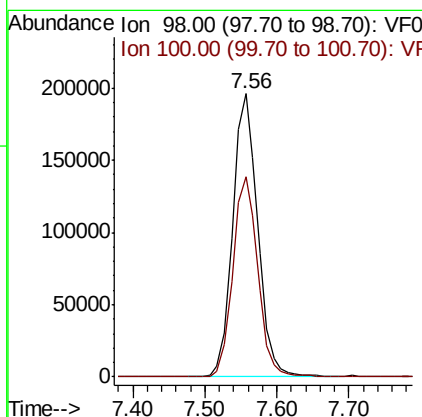
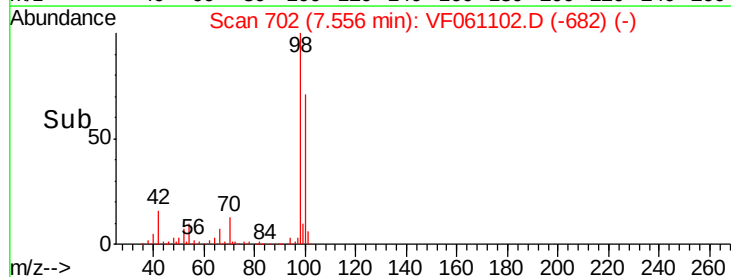
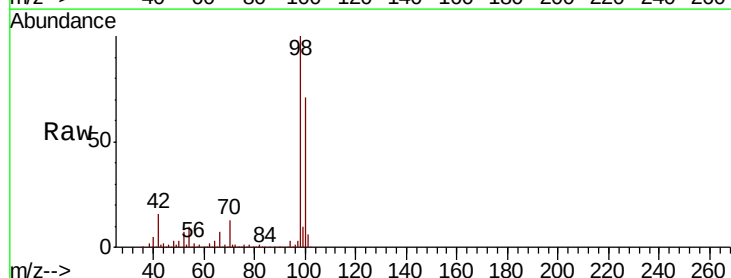
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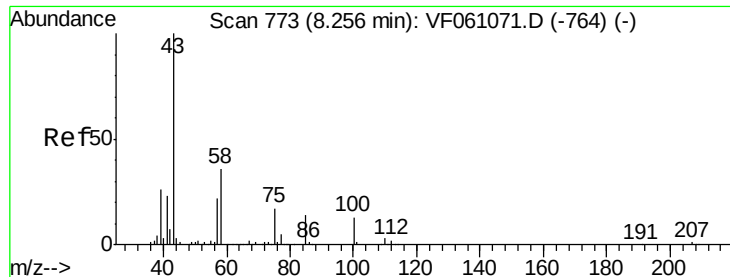
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#50
Toluene-d8
Concen: 50.666 ug/l
RT: 7.56 min Scan# 702
Delta R.T. 0.00 min
Lab File: VF061102.D
Acq: 20 Dec 2018 12:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.6	55.3	82.9





#51

4-Methyl-2-Pentanone

Concen: 112.513 ug/l

RT: 8.26 min Scan# 773

Delta R.T. 0.00 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

Instrument :

MSVOA_F

ClientSampleId :

VF1220SBS01

Tot Ion: 43 Resp: 185377

Ion Ratio Lower Upper

43 100

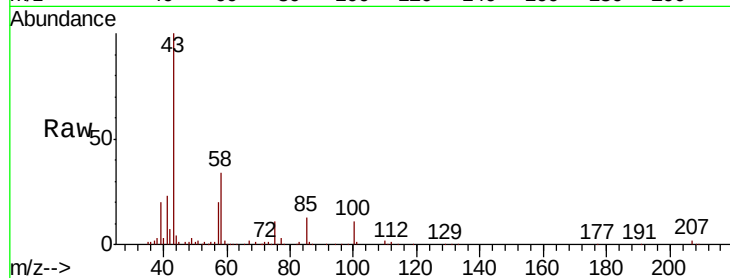
58 34.4 29.1 43.7

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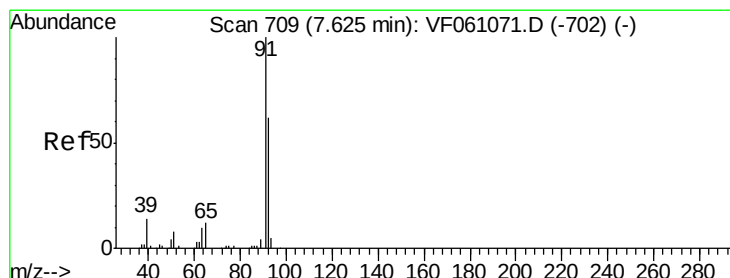
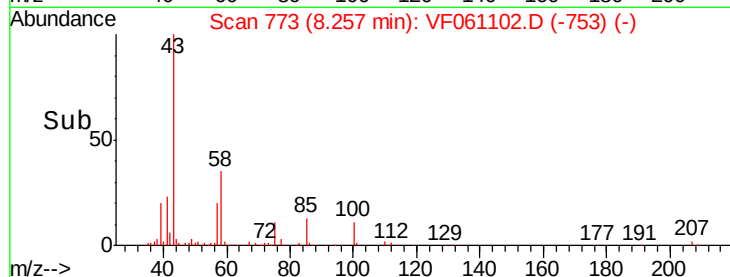
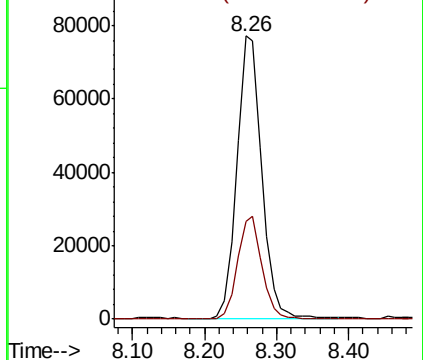
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.538 ug/l

RT: 7.63 min Scan# 709

Delta R.T. 0.00 min

Lab File: VF061102.D

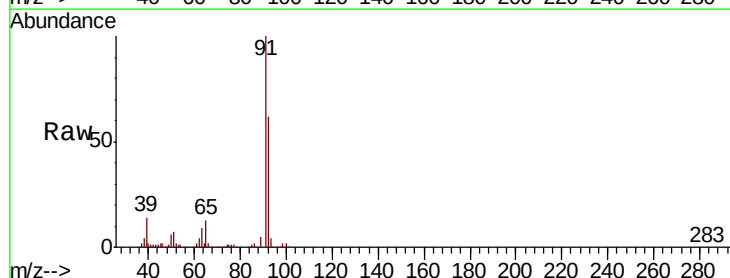
Acq: 20 Dec 2018 12:23

Tgt Ion: 92 Resp: 145464

Ion Ratio Lower Upper

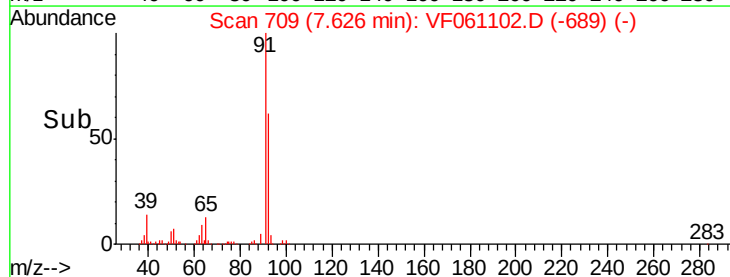
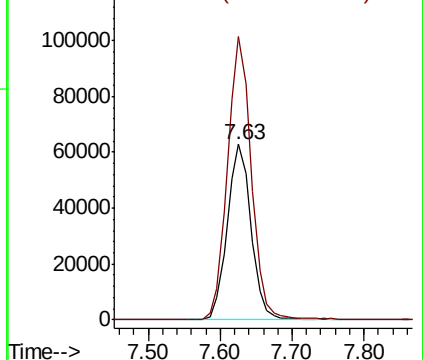
92 100

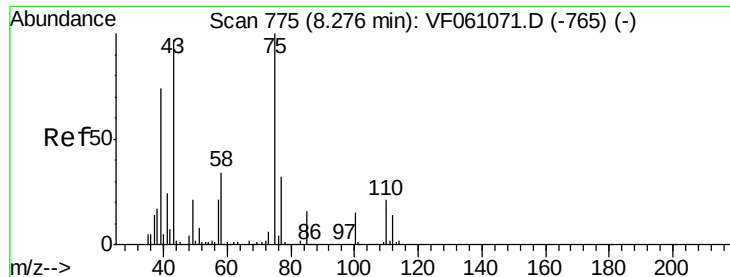
91 161.3 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 19.481 ug/l

RT: 8.28 min Scan# 775

Delta R.T. 0.00 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

Instrument :

MSVOA_F

ClientSampleId :

VF1220SBS01

Tot Ion: 75 Resp: 77096

Ion Ratio Lower Upper

75 100

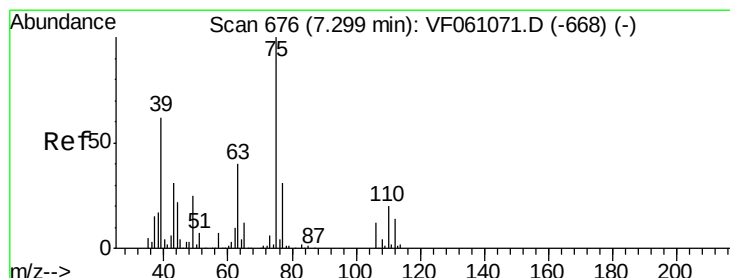
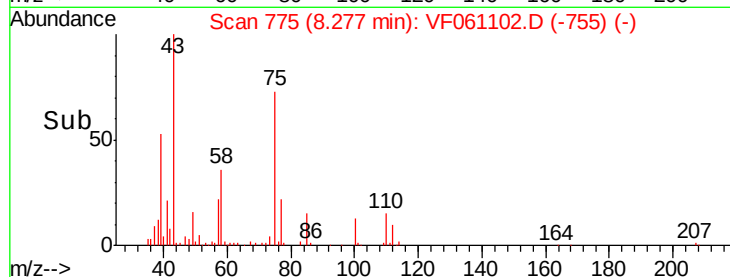
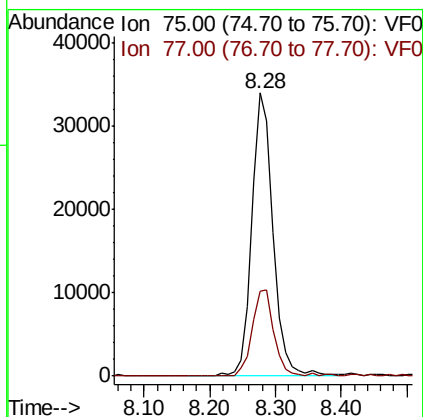
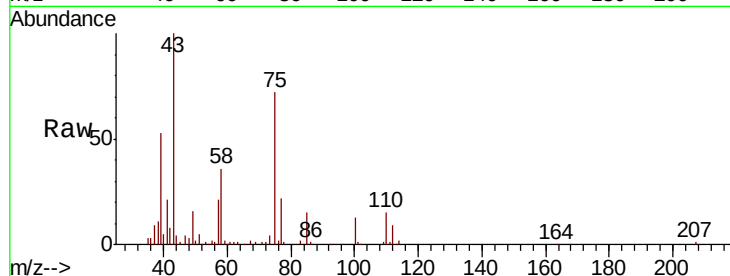
77 30.1 25.8 38.8

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#54

cis-1,3-Dichloropropene

Concen: 20.589 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.00 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

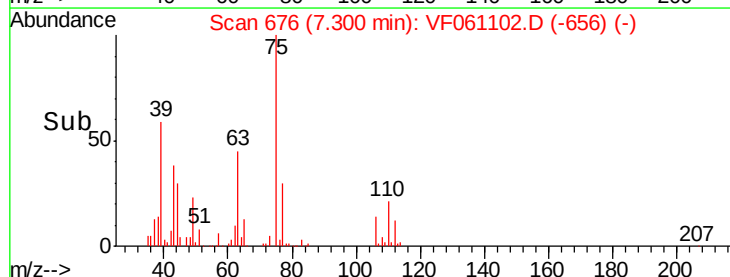
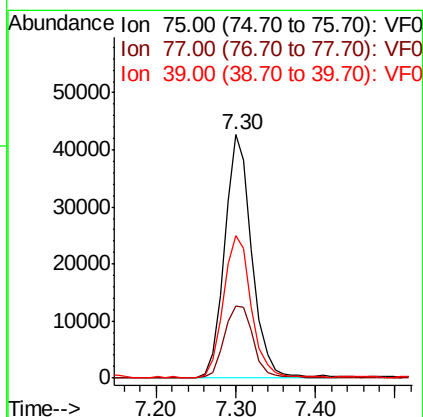
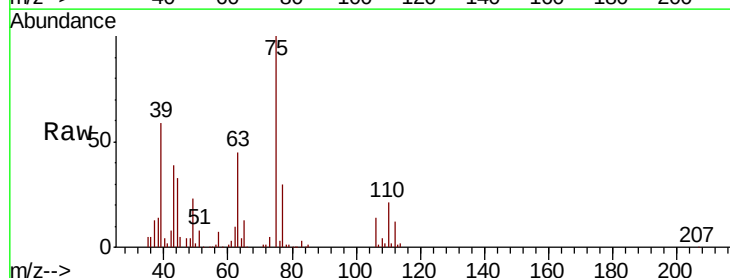
Tgt Ion: 75 Resp: 102264

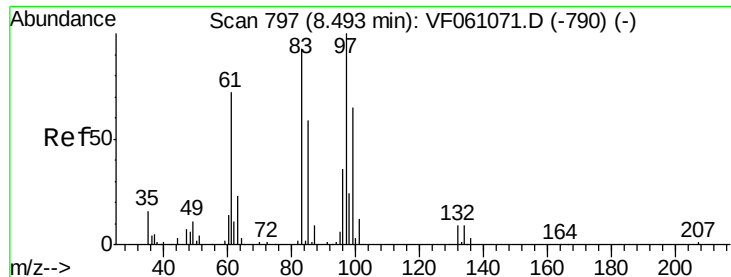
Ion Ratio Lower Upper

75 100

77 29.8 25.0 37.4

39 58.5 50.1 75.1





#55

1,1,2-Trichloroethane

Concen: 20.652 ug/l

RT: 8.49 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

Instrument :

MSVOA_F

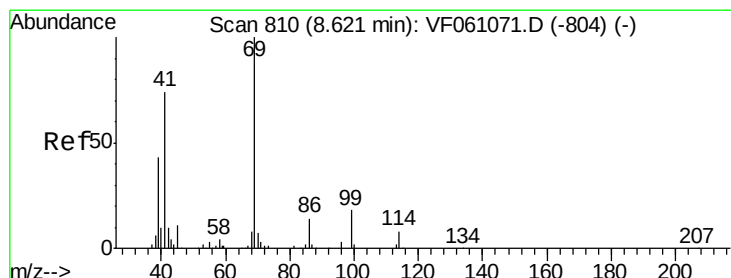
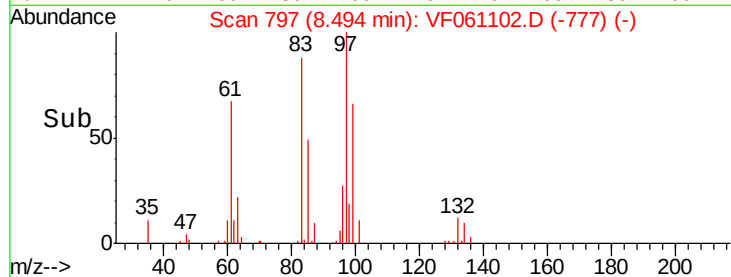
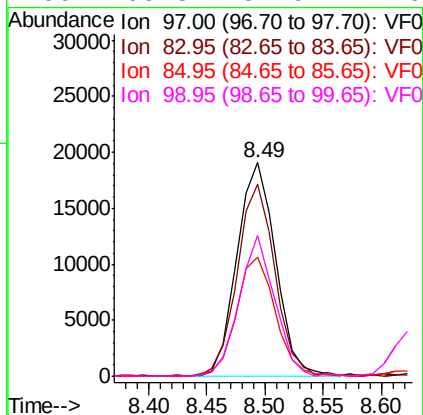
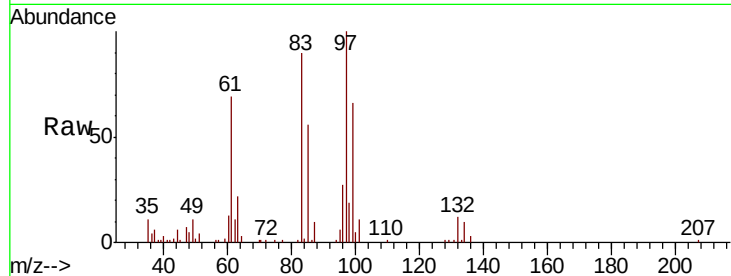
ClientSampleId :

VF1220SBS01

Tot Ion:	97	Resp:	43849
Ion	Ratio	Lower	Upper
97	100		
83	90.1	75.0	112.4
85	55.8	47.5	71.3
99	65.8	51.9	77.9

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#56

Ethyl methacrylate

Concen: 20.599 ug/l

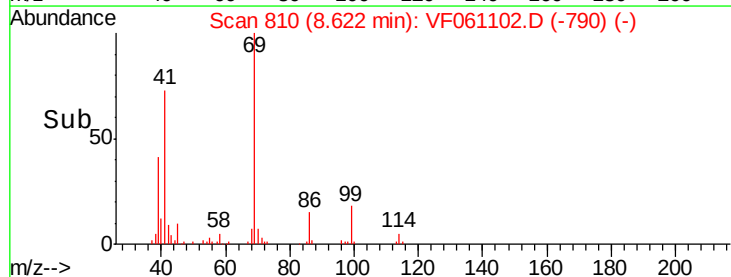
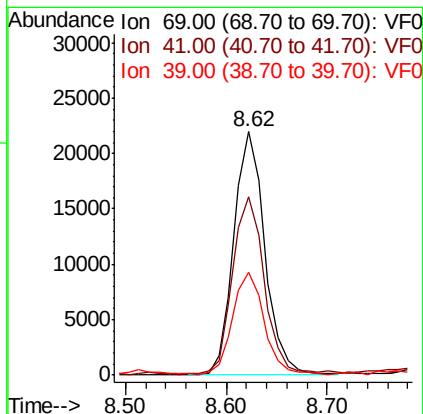
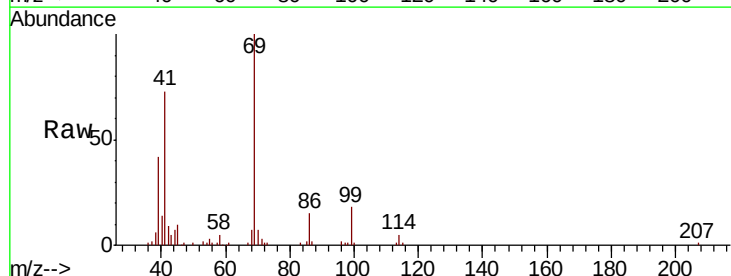
RT: 8.62 min Scan# 810

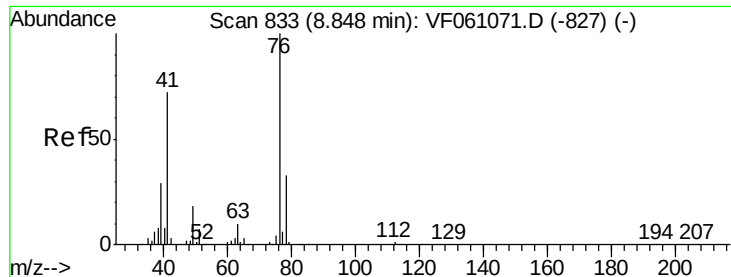
Delta R.T. 0.00 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

Tgt Ion:	69	Resp:	47328
Ion	Ratio	Lower	Upper
69	100		
41	73.3	59.7	89.5
39	42.2	35.0	52.6





#57

1,3-Dichloropropane

Concen: 19.660 ug/l

RT: 8.86 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

Instrument :

MSVOA_F

ClientSampleId :

VF1220SBS01

Tot Ion: 76 Resp: 75497

Ion Ratio Lower Upper

76 100

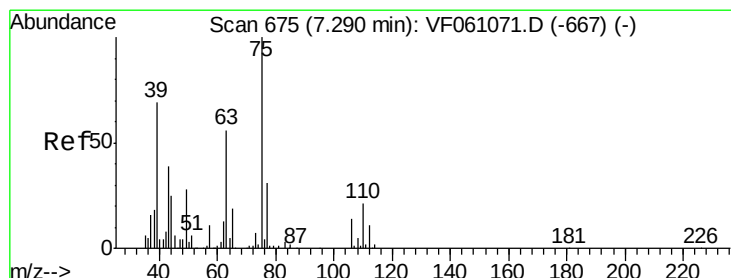
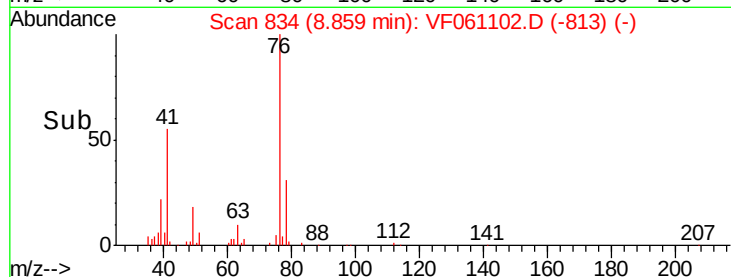
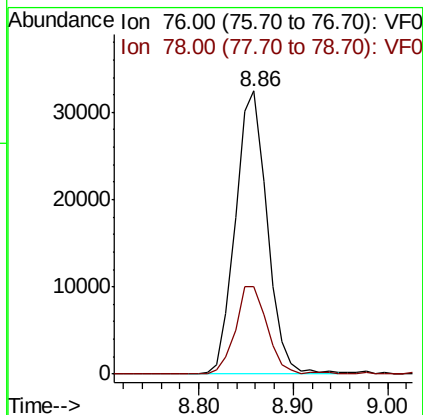
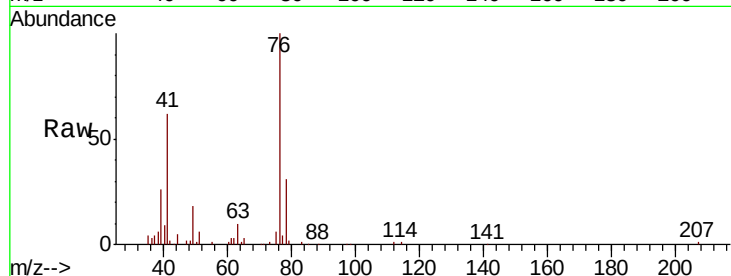
78 31.1 26.5 39.7

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 107.733 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061102.D

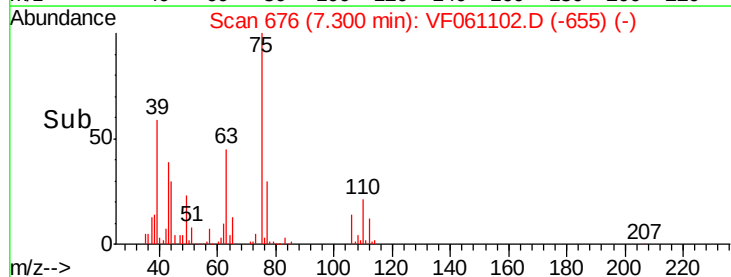
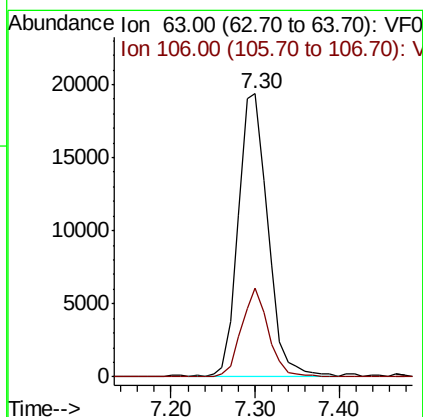
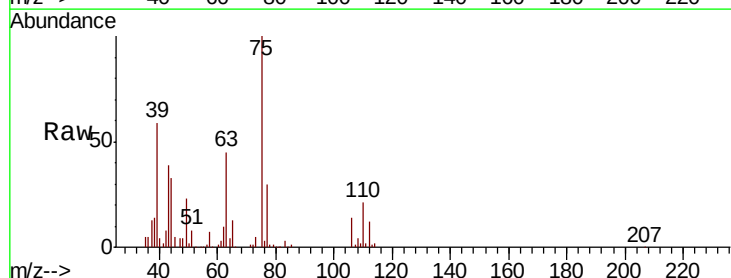
Acq: 20 Dec 2018 12:23

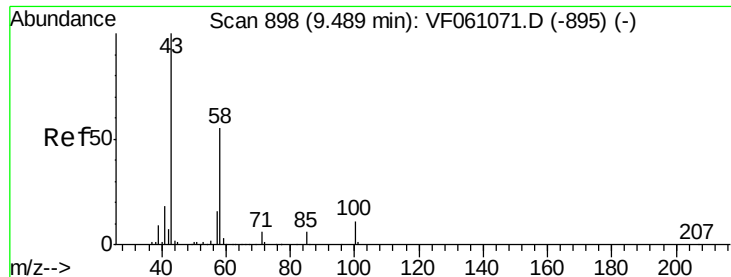
Tgt Ion: 63 Resp: 47538

Ion Ratio Lower Upper

63 100

106 31.3 19.8 29.8#





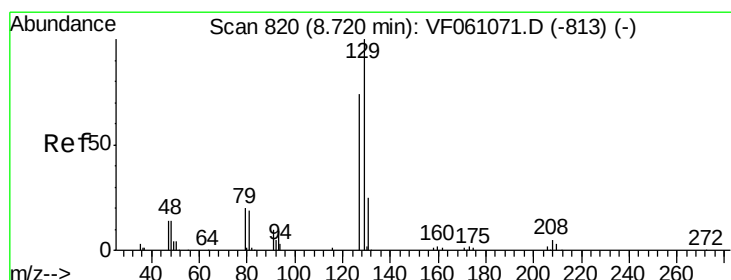
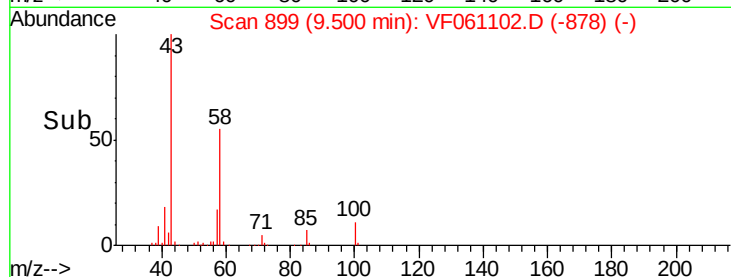
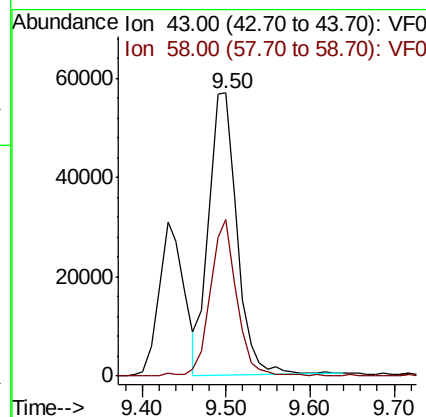
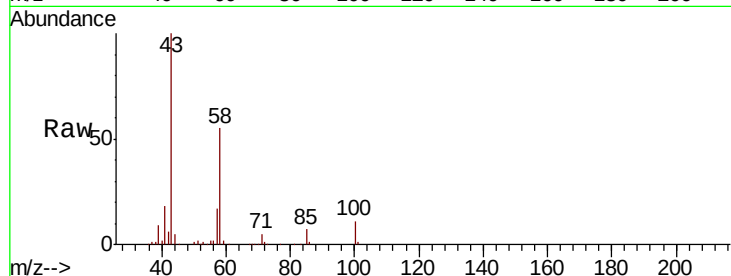
#59
2-Hexanone
Concen: 111.347 ug/l
RT: 9.50 min Scan# 899
Delta R.T. 0.01 min
Lab File: VF061102.D
Acq: 20 Dec 2018 12:23

Instrument :
MSVOA_F
ClientSampleId :
VF1220SBS01

Tot Ion	43	Resp	132671
Ion Ratio	43	100	
Lower	58	55.2	25.1
Upper			75.2

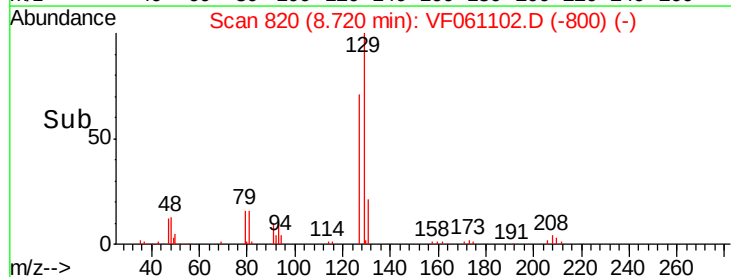
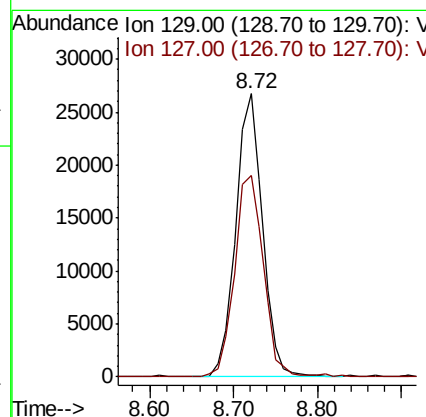
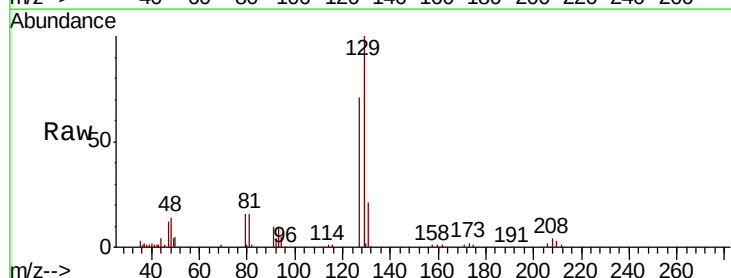
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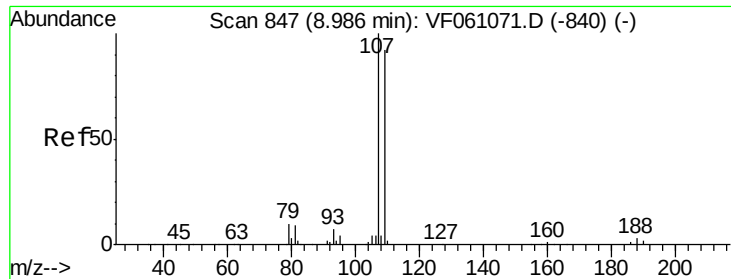
apatel
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#60
Dibromochloromethane
Concen: 19.467 ug/l
RT: 8.72 min Scan# 820
Delta R.T. 0.00 min
Lab File: VF061102.D
Acq: 20 Dec 2018 12:23

Tgt Ion	129	Resp	59250
Ion Ratio	129	100	
Lower	127	71.3	36.8
Upper			110.3





#61

1,2-Dibromoethane

Concen: 19.590 ug/l

RT: 8.99 min Scan# 847

Delta R.T. 0.00 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

Instrument :

MSVOA_F

ClientSampleId :

VF1220SBS01

Tot Ion:107 Resp: 44423

Ion Ratio Lower Upper

107 100

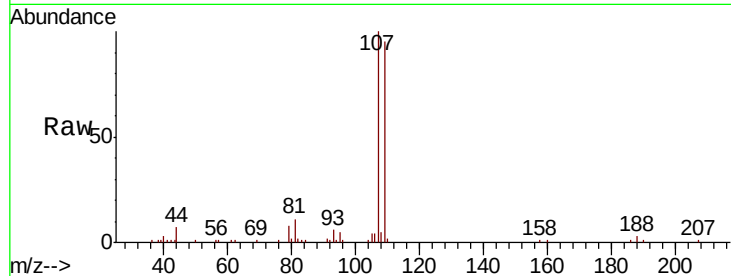
109 95.1 73.7 110.5

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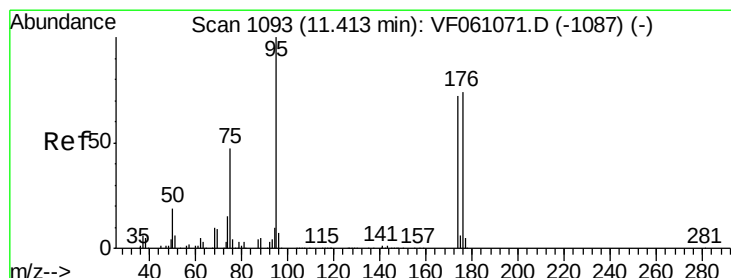
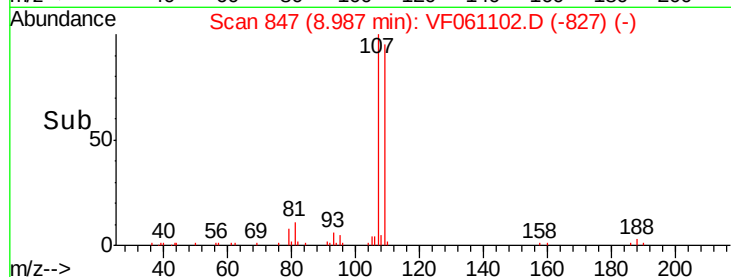
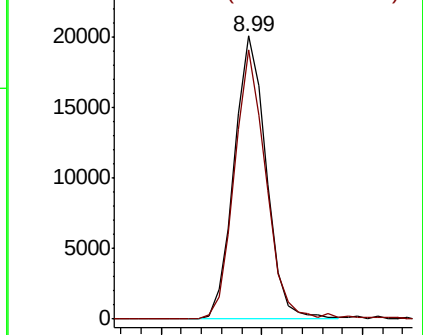
apatel

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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: 46.176 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

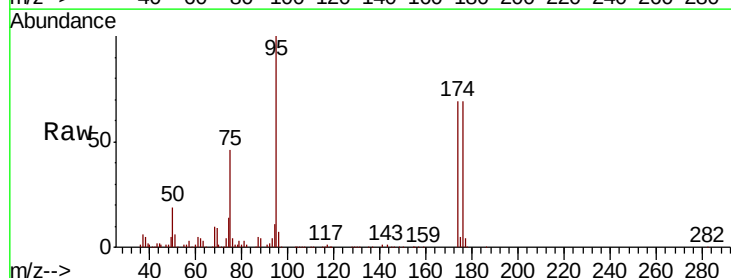
Tgt Ion: 95 Resp: 199192

Ion Ratio Lower Upper

95 100

174 69.4 0.0 143.8

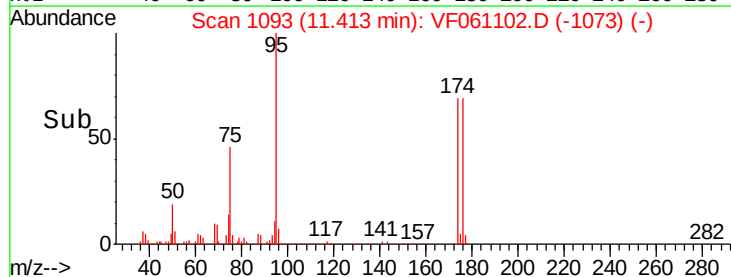
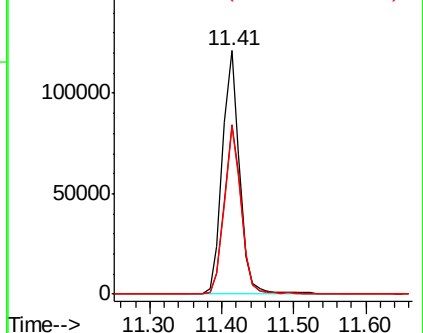
176 69.0 0.0 147.6

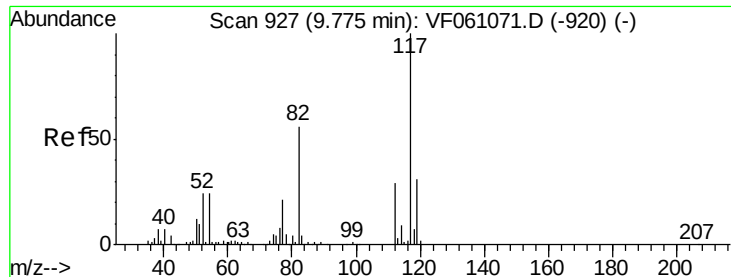


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.78 min Scan# 927

Delta R.T. 0.00 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

Instrument :

MSVOA_F

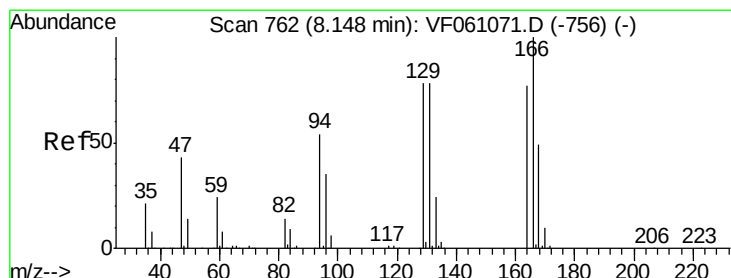
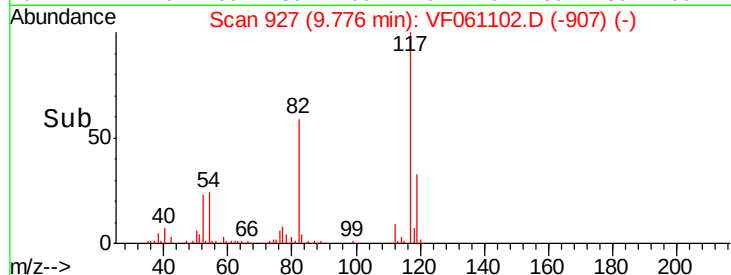
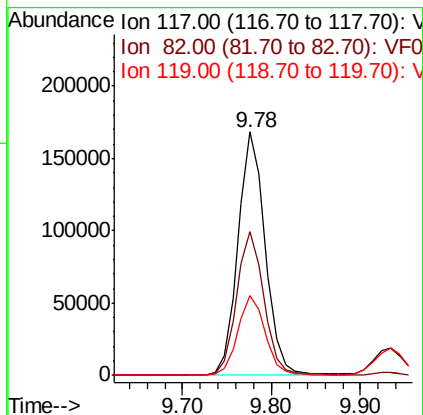
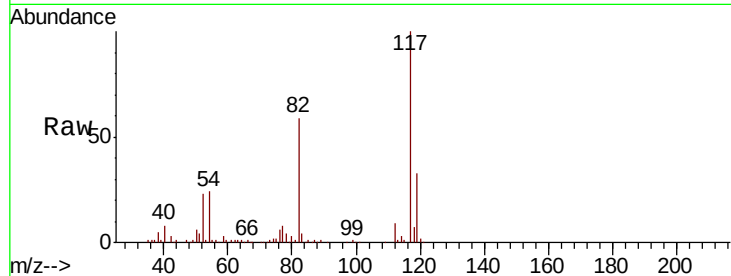
ClientSampleId :

VF1220SBS01

Tot Ion:	117	Resp:	358474
Ion Ratio	Lower	Upper	
117	100		
82	59.0	45.0	67.4
119	32.9	24.8	37.2

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#64

Tetrachloroethene

Concen: 21.530 ug/l

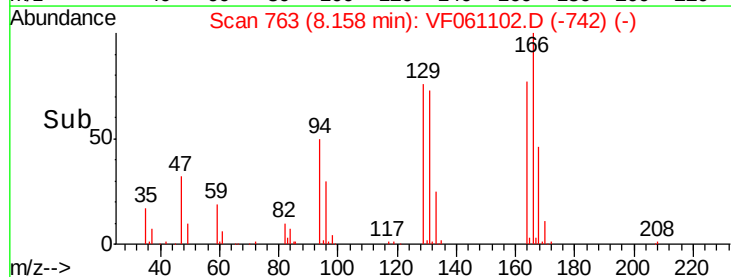
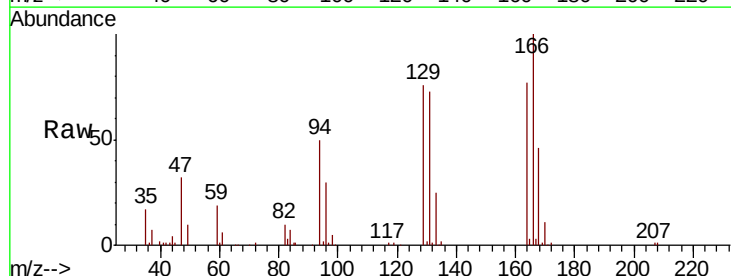
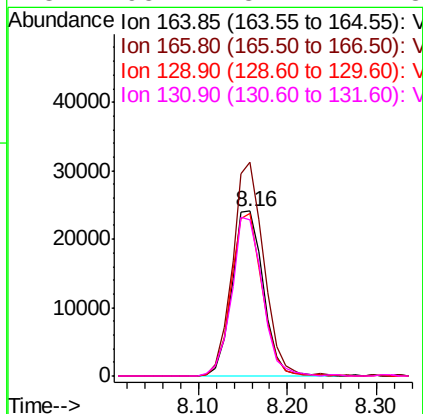
RT: 8.16 min Scan# 763

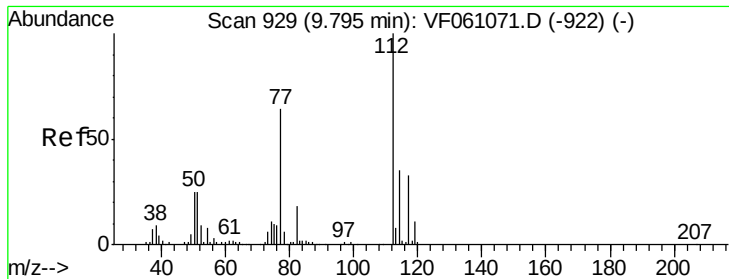
Delta R.T. 0.01 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

Tgt Ion:	164	Resp:	59372
Ion Ratio	Lower	Upper	
164	100		
166	129.6	104.0	156.0
129	99.0	81.1	121.7
131	95.1	81.2	121.8





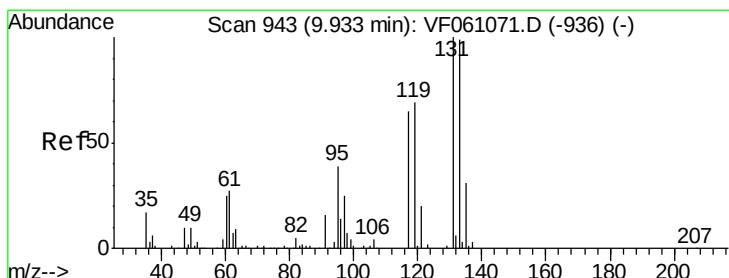
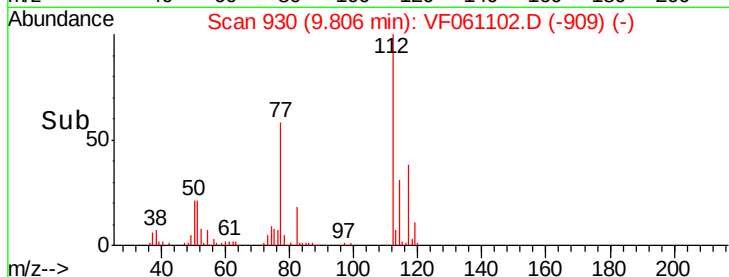
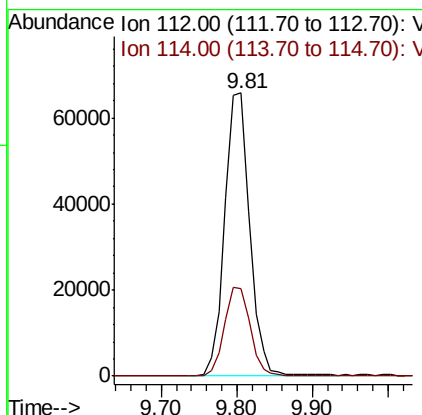
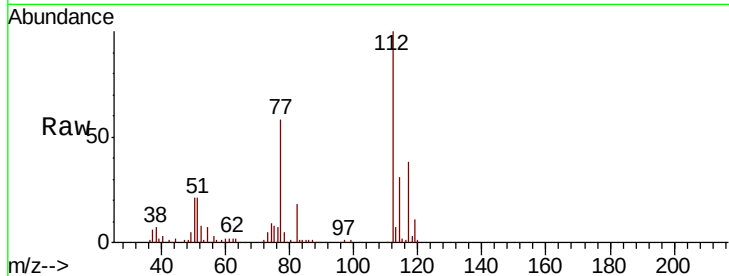
#65
Chlorobenzene
Concen: 20.484 ug/l
RT: 9.81 min Scan# 930
Delta R.T. 0.01 min
Lab File: VF061102.D
Acq: 20 Dec 2018 12:23

Instrument :
MSVOA_F
ClientSampleId :
VF1220SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	151695		
114	31.0	27.8	41.6	

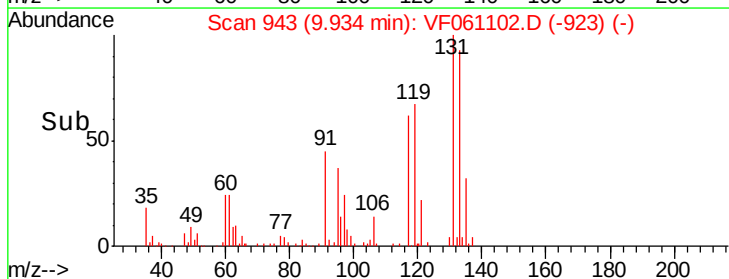
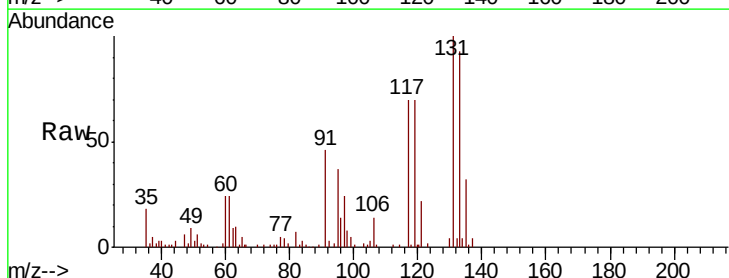
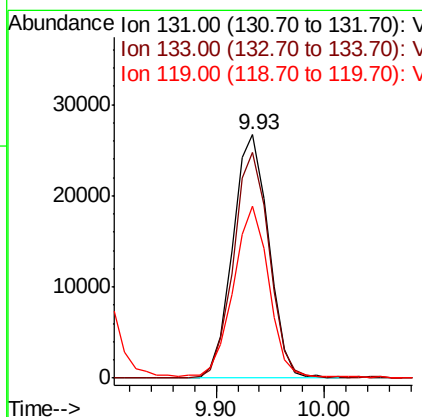
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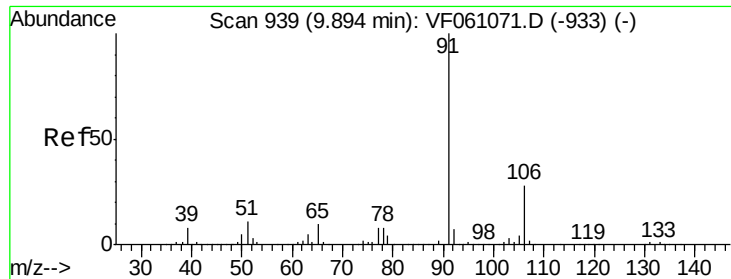
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.434 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.00 min
Lab File: VF061102.D
Acq: 20 Dec 2018 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	61840		
133	92.9	49.5	148.7	
119	70.4	34.5	103.5	





#67

Ethyl Benzene

Concen: 20.829 ug/l

RT: 9.90 min Scan# 940

Delta R.T. 0.01 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

Instrument :

MSVOA_F

ClientSampleId :

VF1220SBS01

Tot Ion: 91 Resp: 281017

Ion Ratio Lower Upper

91 100

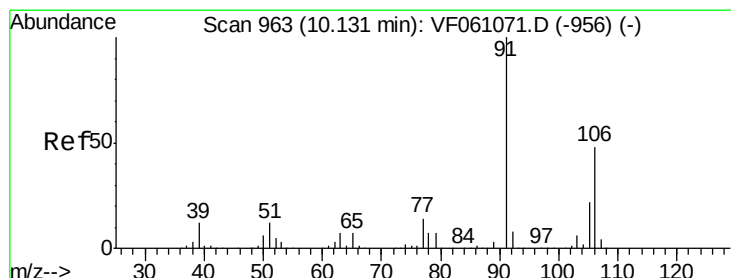
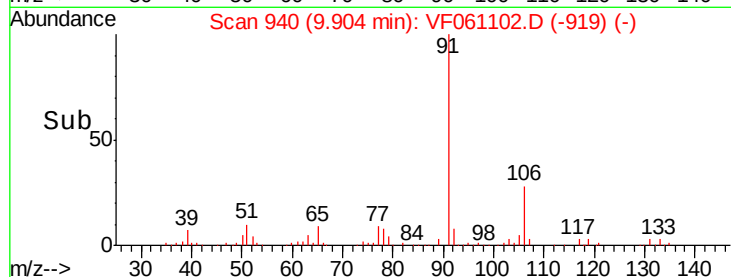
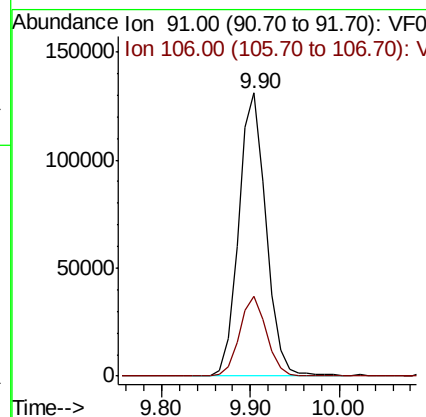
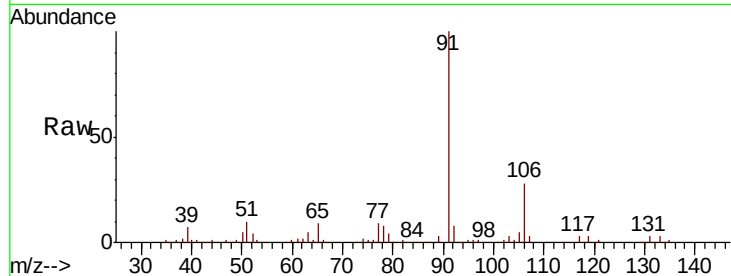
106 28.0 22.5 33.7

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#68

m/p-Xylenes

Concen: 43.289 ug/l

RT: 10.13 min Scan# 963

Delta R.T. 0.00 min

Lab File: VF061102.D

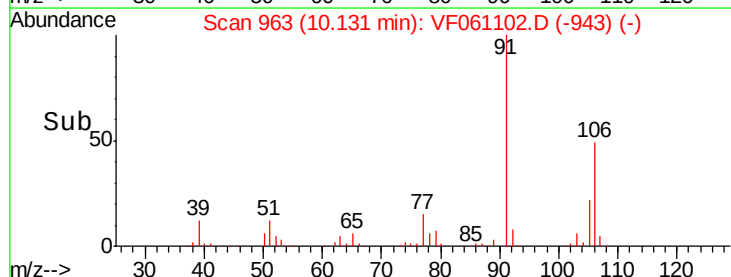
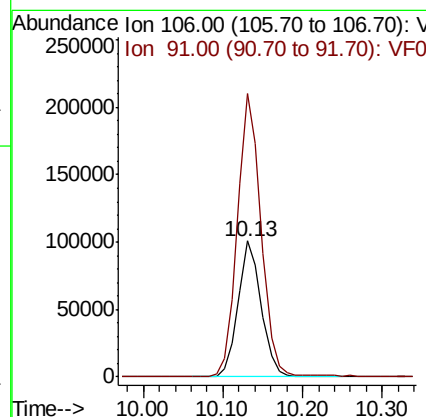
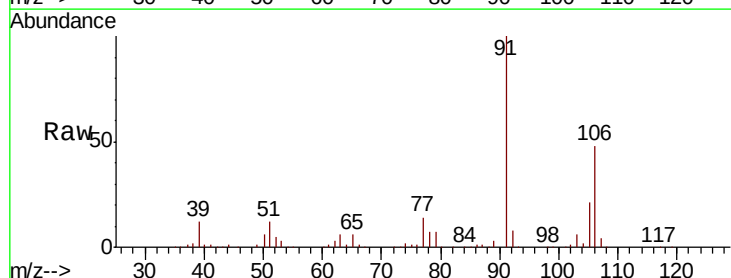
Acq: 20 Dec 2018 12:23

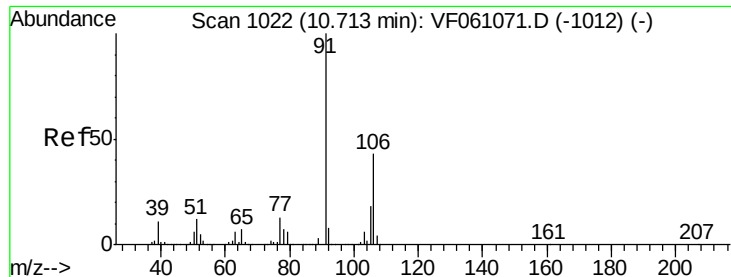
Tgt Ion: 106 Resp: 205537

Ion Ratio Lower Upper

106 100

91 208.3 168.2 252.2





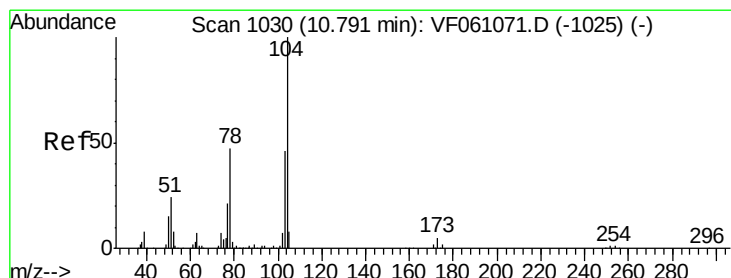
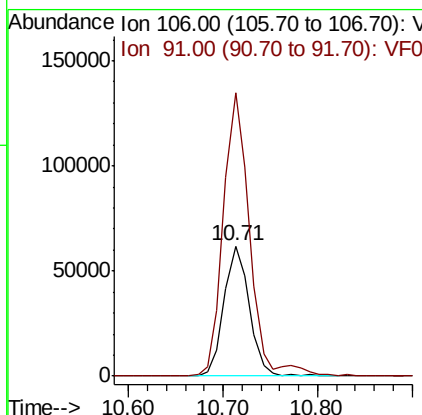
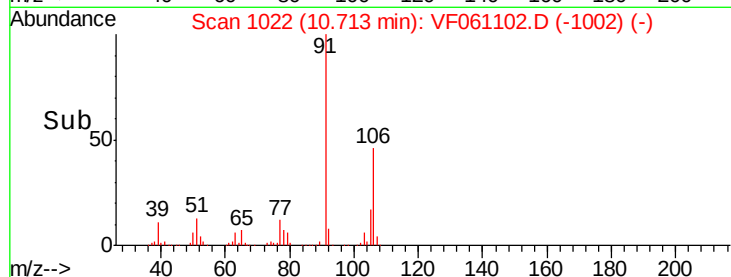
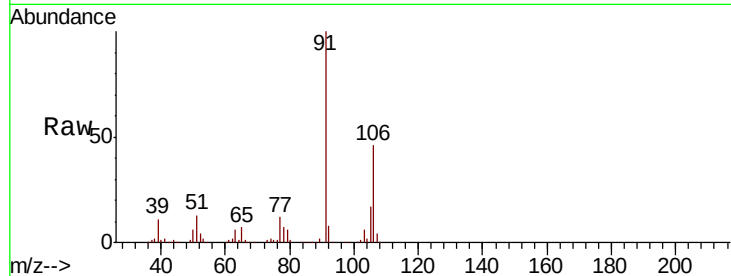
#69
o-Xylene
Concen: 21.958 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. 0.00 min
Lab File: VF061102.D
Acq: 20 Dec 2018 12:23

Instrument :
MSVOA_F
ClientSampleId :
VF1220SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	217.2	115.9	347.7

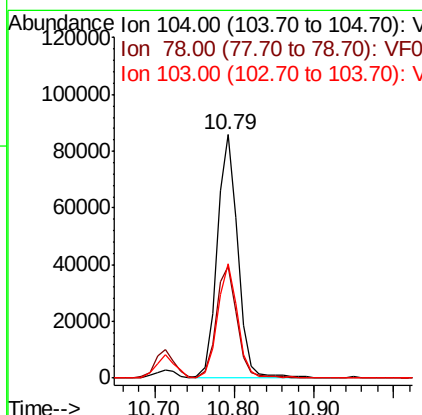
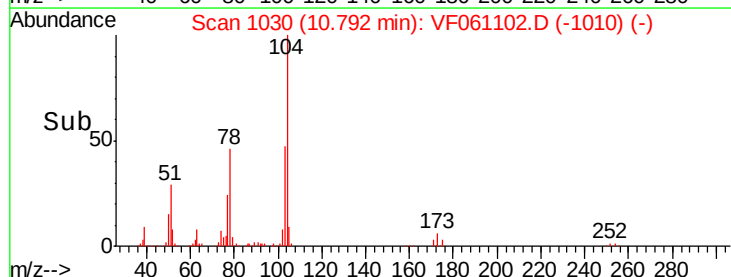
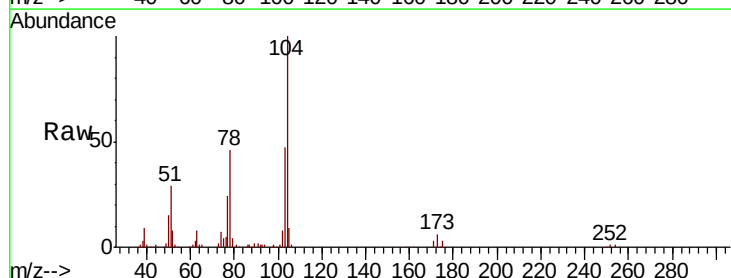
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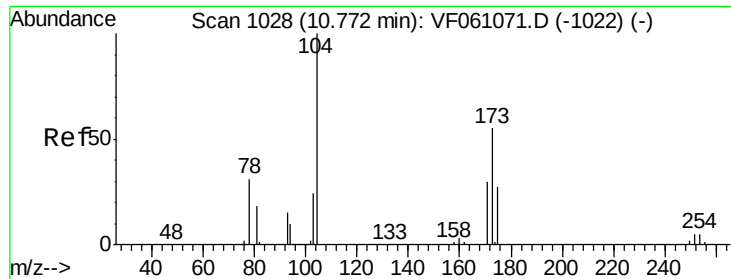
apatel
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#70
Styrene
Concen: 21.469 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VF061102.D
Acq: 20 Dec 2018 12:23

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.1	38.4	57.6
103	46.9	37.0	55.6





#71

Bromoform

Concen: 20.165 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. 0.00 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

Instrument :

MSVOA_F

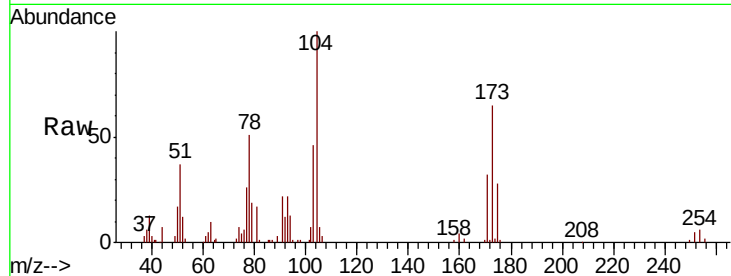
ClientSampleId :

VF1220SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	44.4	24.8	74.4
254	8.8	0.0	0.0#

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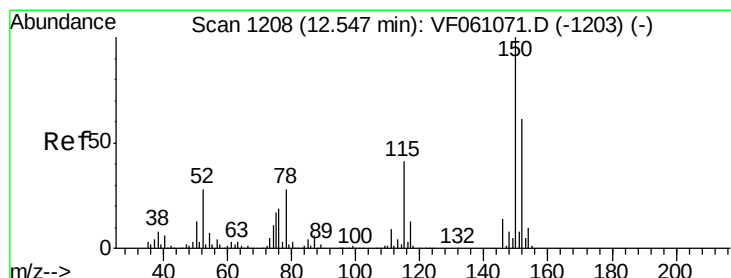
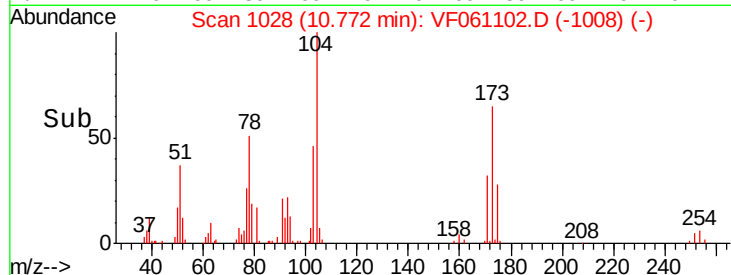
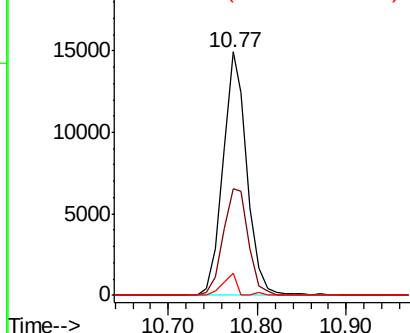


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

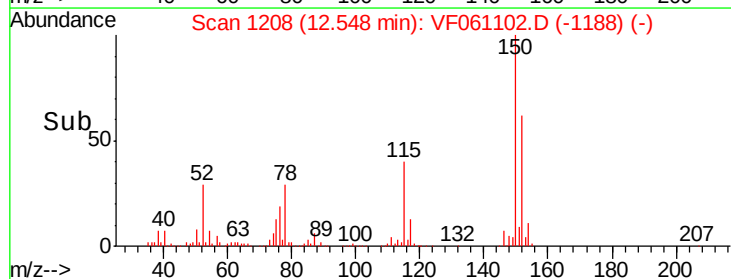
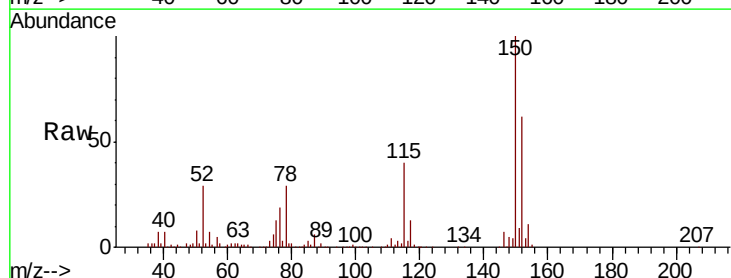
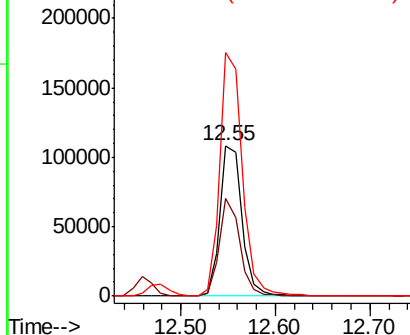
Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.0	33.3	99.9
150	161.7	0.0	328.2

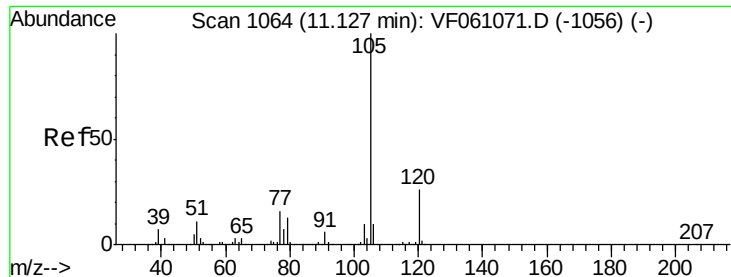
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 20.741 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

Instrument :

MSVOA_F

ClientSampleId :

VF1220SBS01

Tot Ion:105 Resp: 313632

Ion Ratio Lower Upper

105 100

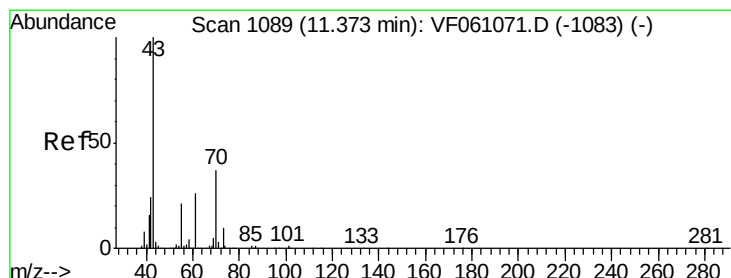
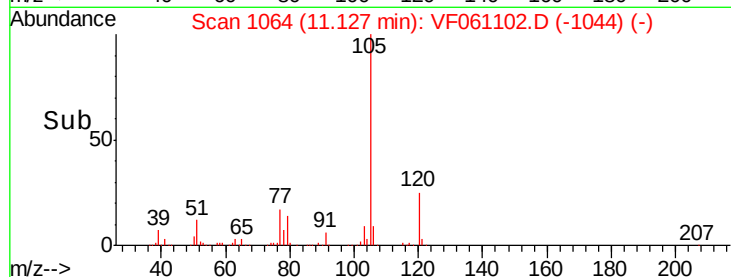
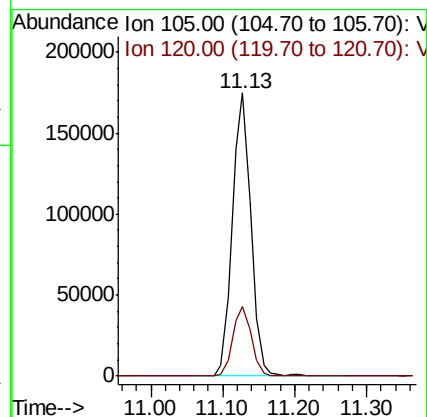
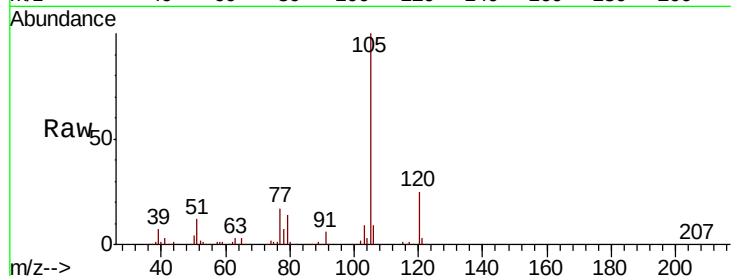
120 24.6 13.0 39.0

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#74

N-ethyl acetate

Concen: 23.675 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

Tgt Ion: 43 Resp: 79479

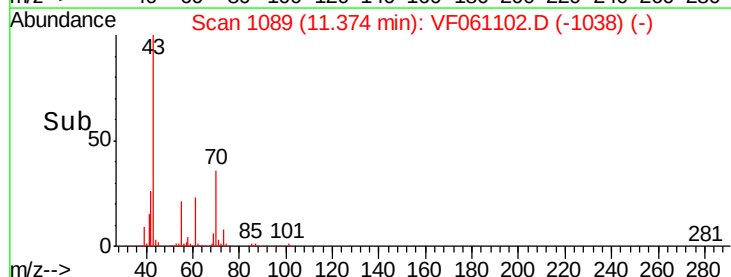
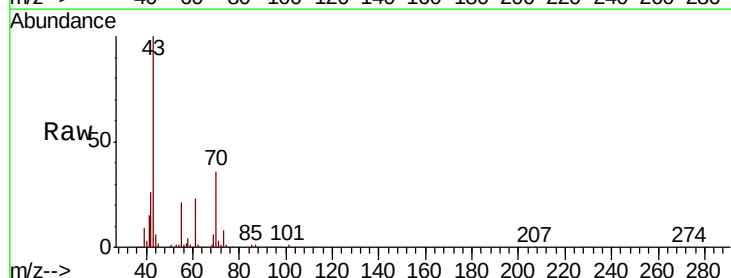
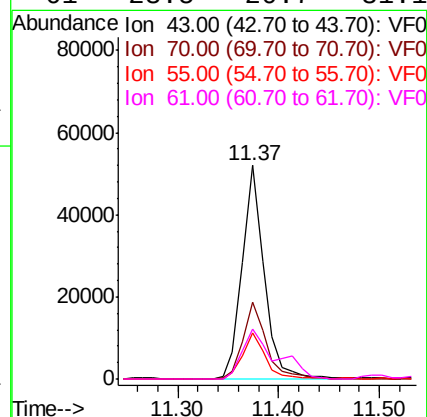
Ion Ratio Lower Upper

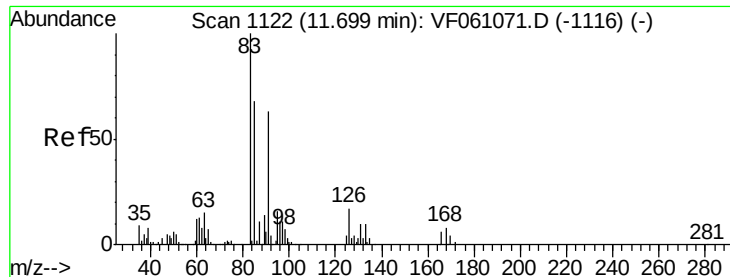
43 100

70 35.8 29.2 43.8

55 21.3 16.5 24.7

61 23.5 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.790 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

Instrument :

MSVOA_F

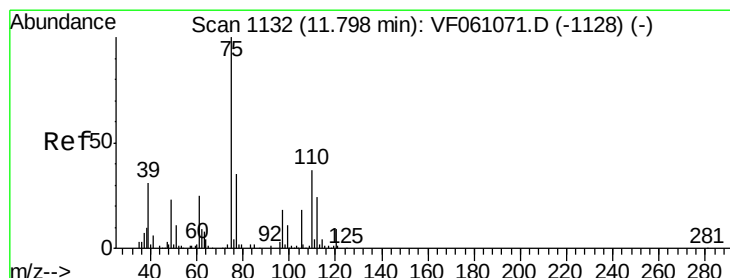
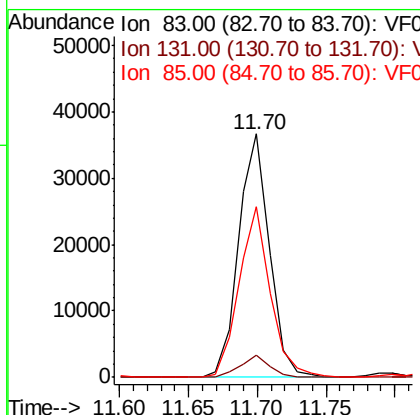
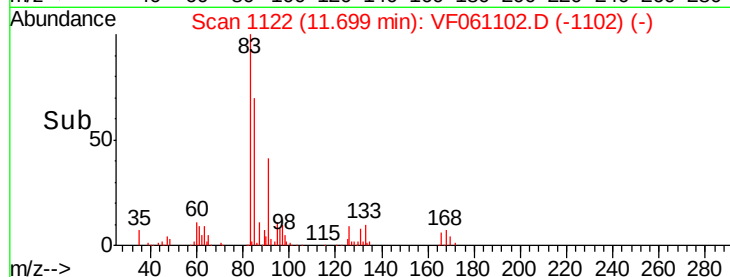
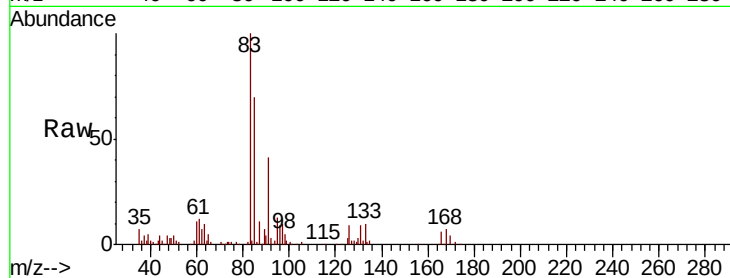
ClientSampleId :

VF1220SBS01

Tot Ion:	83	Resp:	57194
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.8	14.3
85	69.9	33.9	101.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.110 ug/l

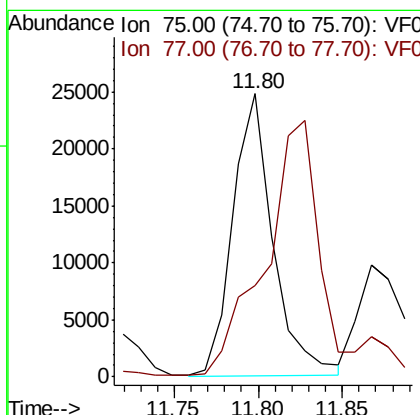
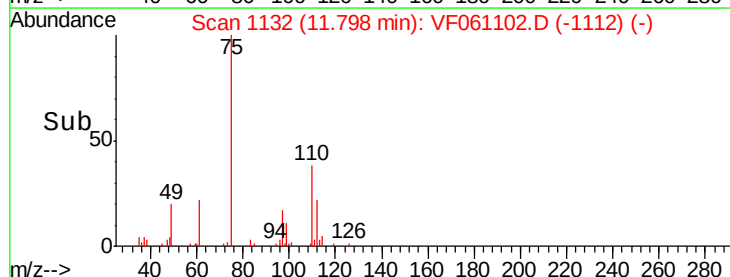
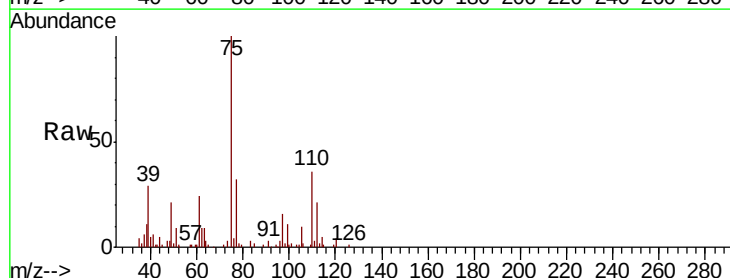
RT: 11.80 min Scan# 1132

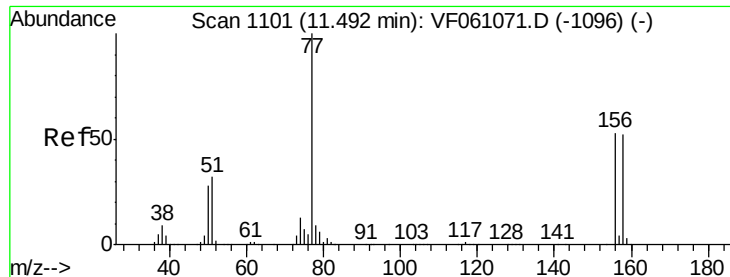
Delta R.T. 0.00 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

Tgt Ion:	75	Resp:	41293
Ion Ratio	Lower	Upper	
75	100		
77	32.3	17.6	52.9





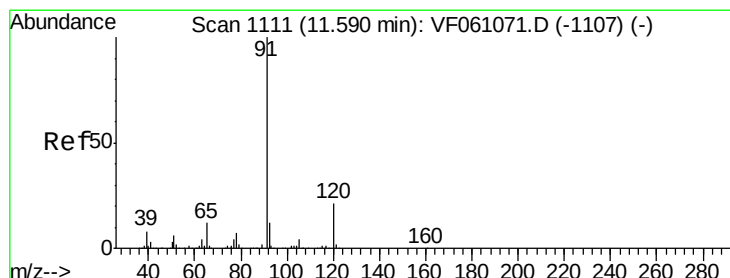
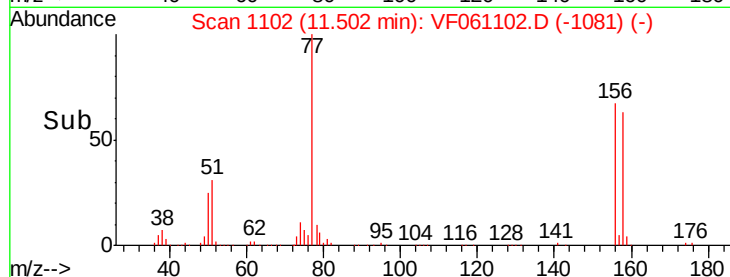
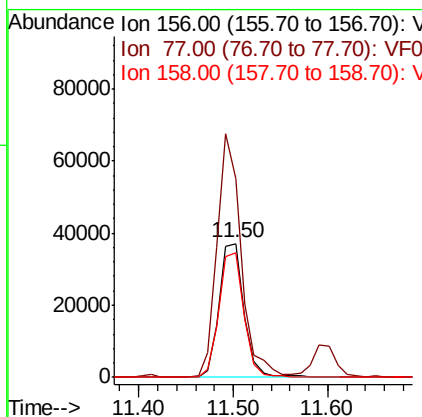
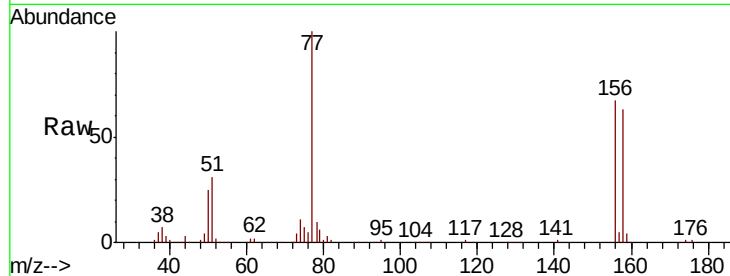
#77
Bromobenzene
Concen: 20.727 ug/l
RT: 11.50 min Scan# 1102
Delta R.T. 0.01 min
Lab File: VF061102.D
Acq: 20 Dec 2018 12:23

Instrument :
MSVOA_F
ClientSampleId :
VF1220SBS01

Tot Ion: 156 Resp: 67467
Ion Ratio Lower Upper
156 100
77 148.8 93.8 281.4
158 93.7 48.9 146.8

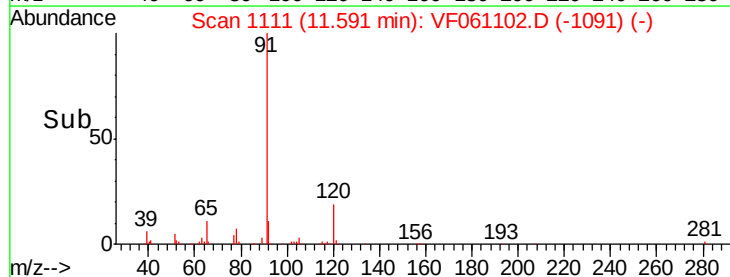
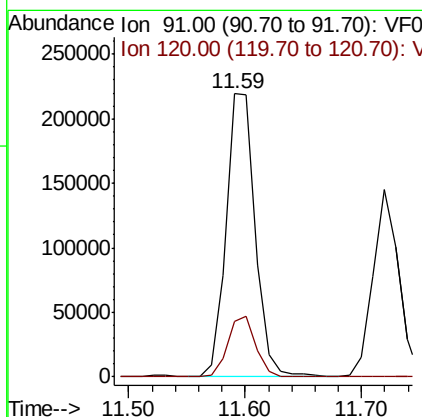
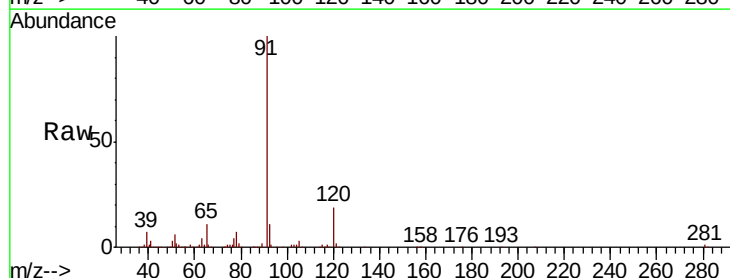
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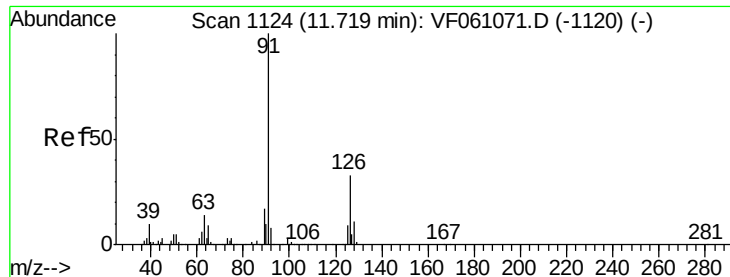
apatel
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#78
n-propylbenzene
Concen: 19.123 ug/l
RT: 11.59 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VF061102.D
Acq: 20 Dec 2018 12:23

Tgt Ion: 91 Resp: 376828
Ion Ratio Lower Upper
91 100
120 19.4 10.4 31.2





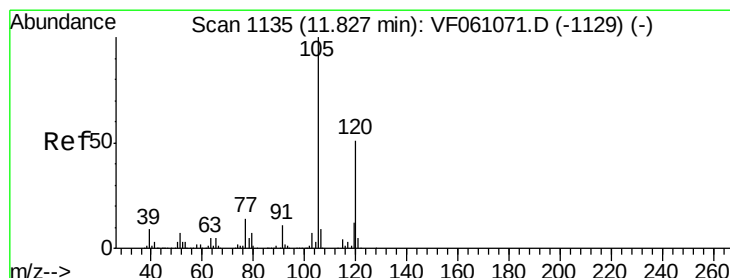
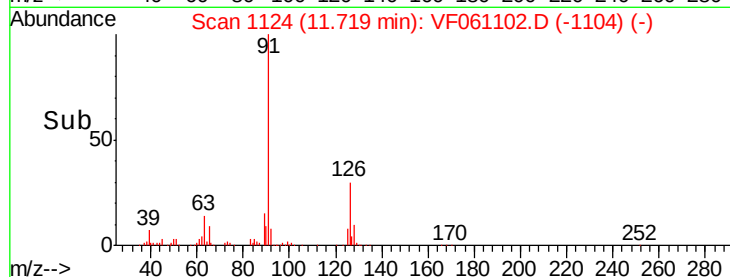
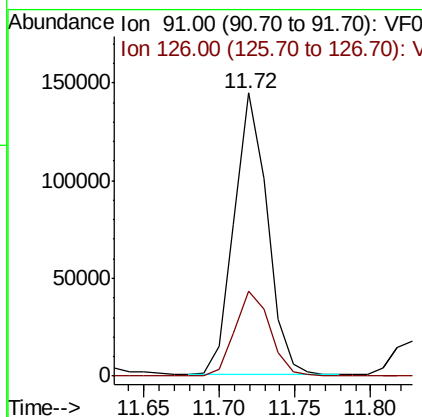
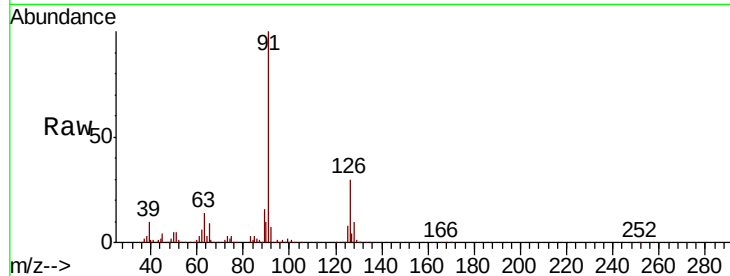
#79
 2-Chlorotoluene
 Concen: 21.224 ug/l
 RT: 11.72 min Scan# 1124
 Delta R.T. 0.00 min
 Lab File: VF061102.D
 Acq: 20 Dec 2018 12:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1220SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	30.2	16.4	49.1

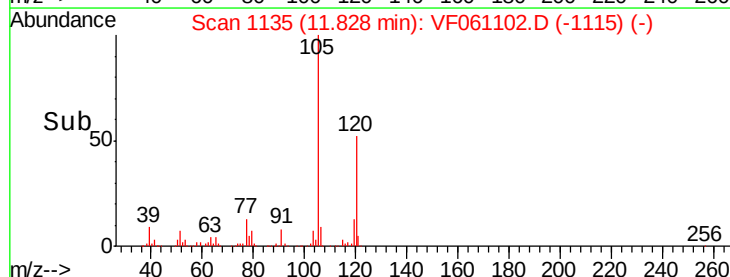
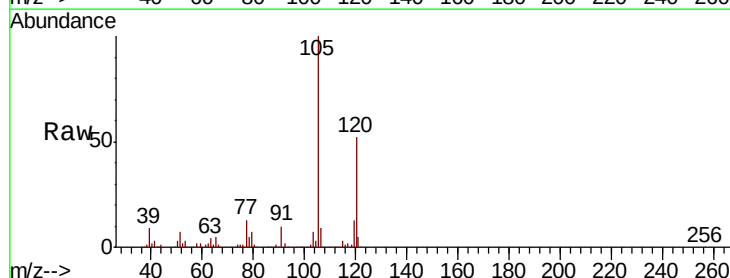
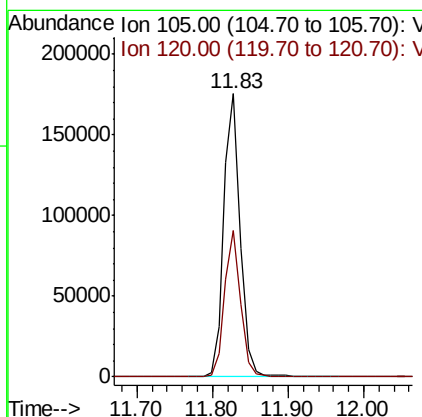
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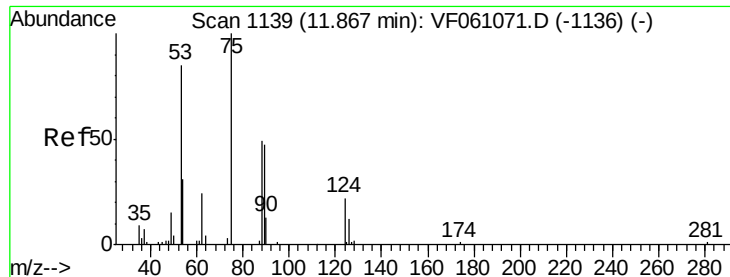
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.276 ug/l
 RT: 11.83 min Scan# 1135
 Delta R.T. 0.00 min
 Lab File: VF061102.D
 Acq: 20 Dec 2018 12:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	52.0	25.4	76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.881 ug/l m

RT: 11.87 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

Instrument :

MSVOA_F

ClientSampleId :

VF1220SBS01

Tot Ion: 75 Resp: 16758

Ion Ratio Lower Upper

75 100

53 91.0 74.1 111.1

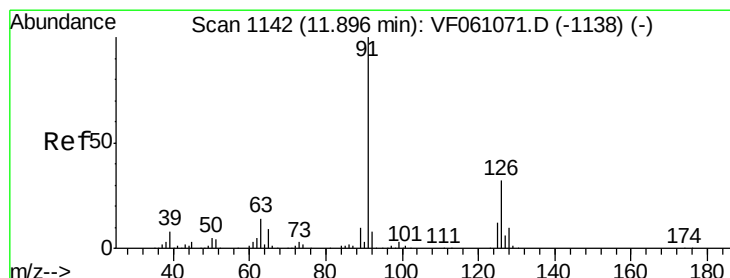
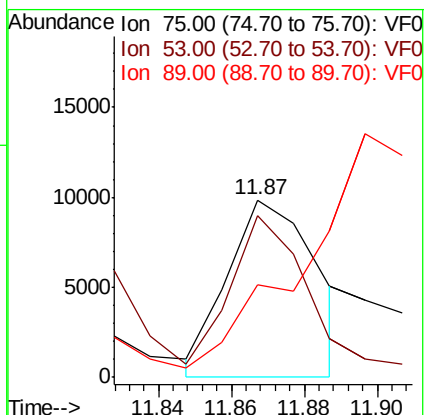
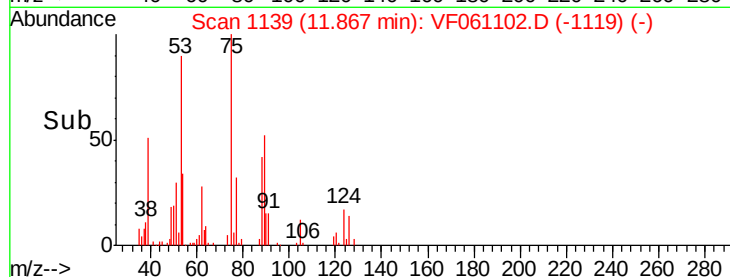
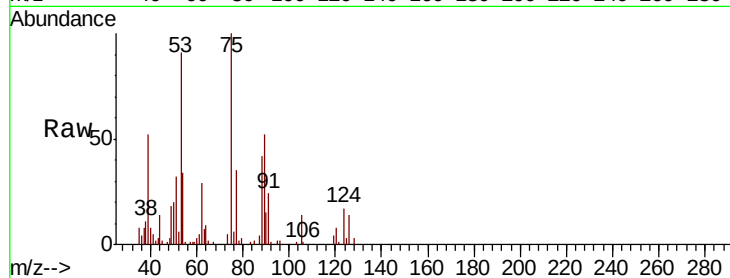
89 52.3 42.6 64.0

Manual Integrations

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#82

4-Chlorotoluene

Concen: 19.914 ug/l

RT: 11.90 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF061102.D

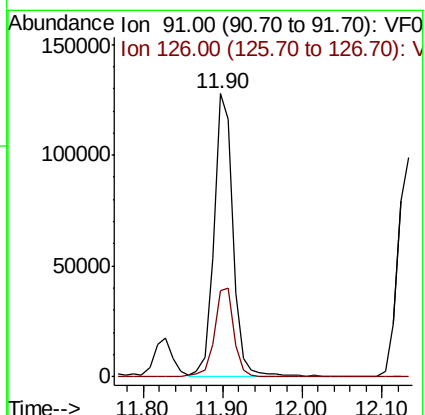
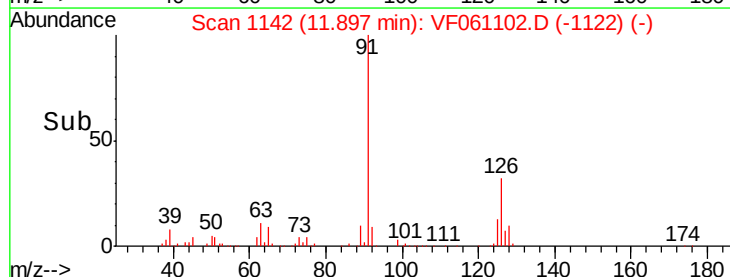
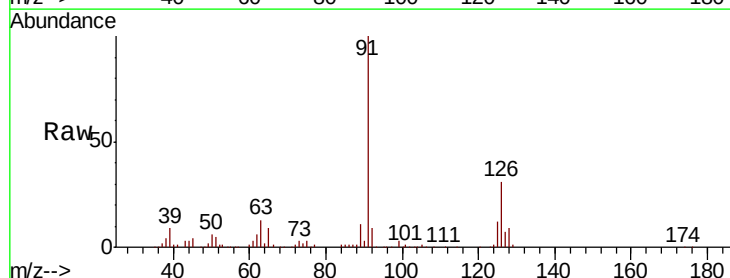
Acq: 20 Dec 2018 12:23

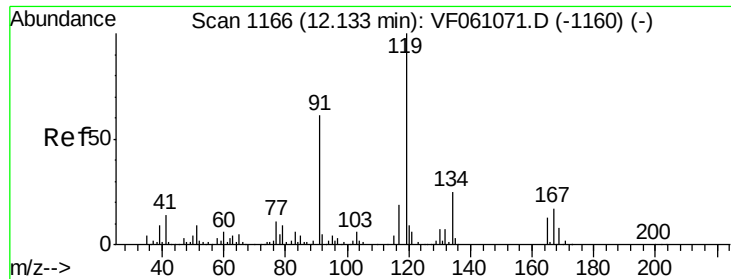
Tgt Ion: 91 Resp: 213693

Ion Ratio Lower Upper

91 100

126 30.6 16.0 47.9





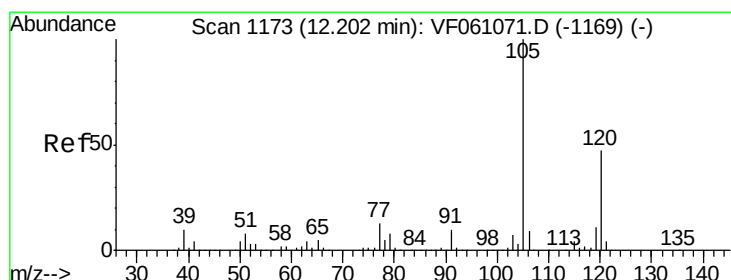
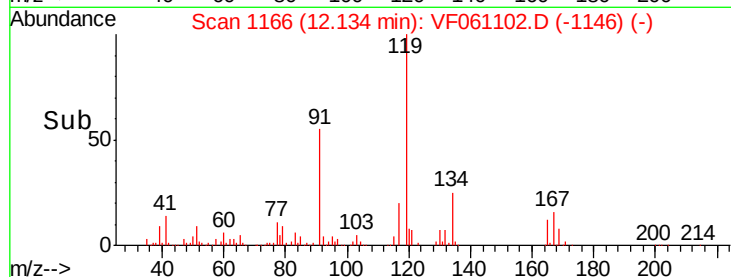
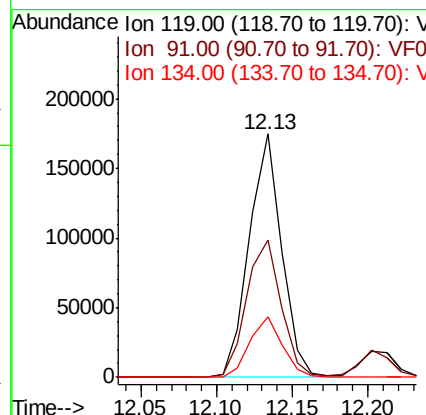
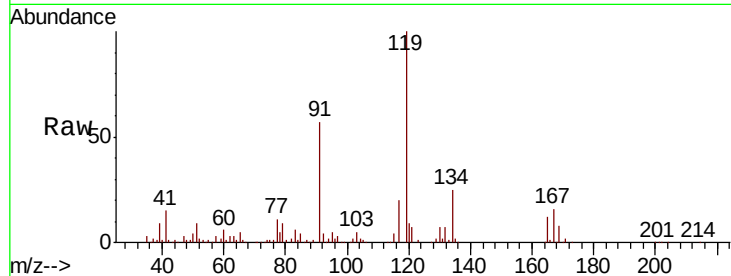
#83
 tert-Butylbenzene
 Concen: 20.571 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. 0.00 min
 Lab File: VF061102.D
 Acq: 20 Dec 2018 12:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1220SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	263566		
91	56.6		30.5	91.5
134	24.7		12.4	37.4

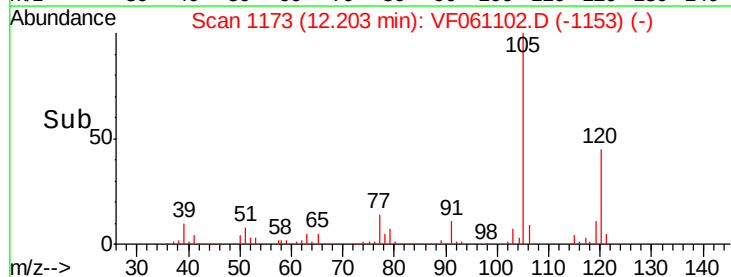
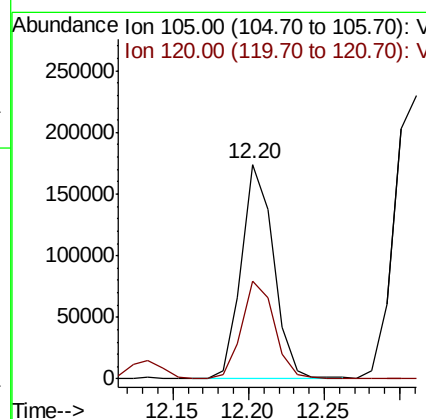
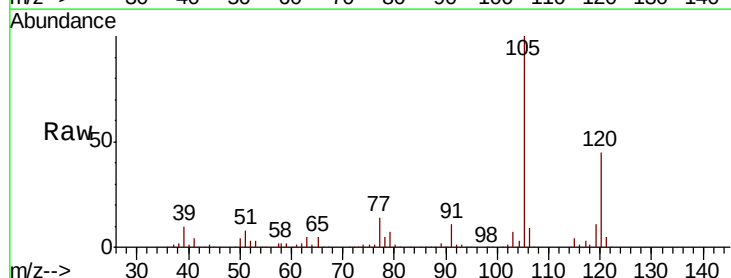
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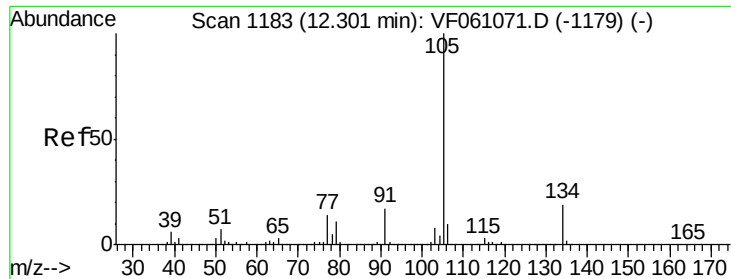
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.792 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VF061102.D
 Acq: 20 Dec 2018 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	258164		
120	45.3		23.6	71.0





#85

sec-Butylbenzene

Concen: 21.672 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. 0.01 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

Instrument :

MSVOA_F

ClientSampled :

VF1220SBS01

Tot Ion:105 Resp: 362364

Ion Ratio Lower Upper

105 100

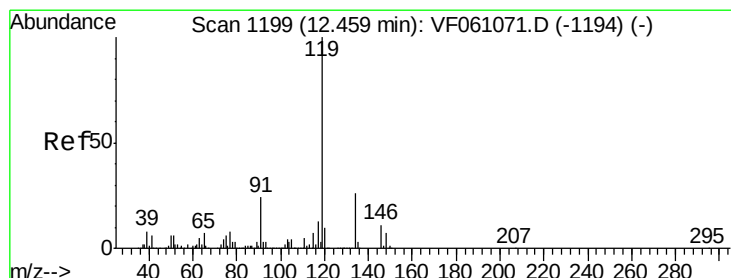
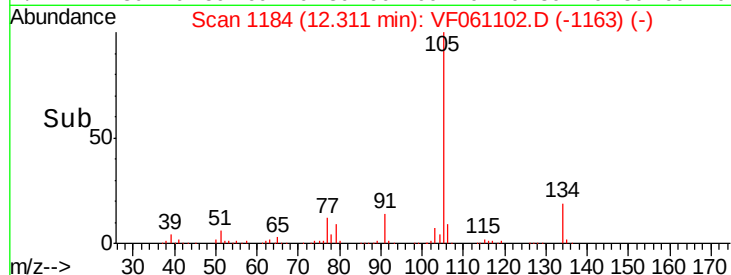
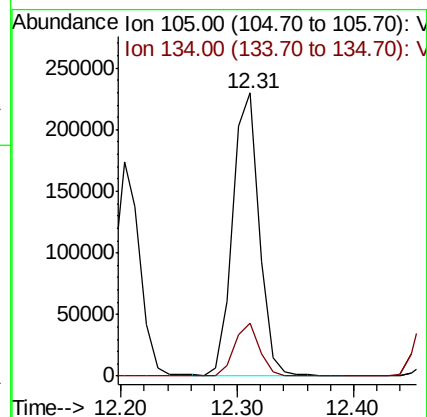
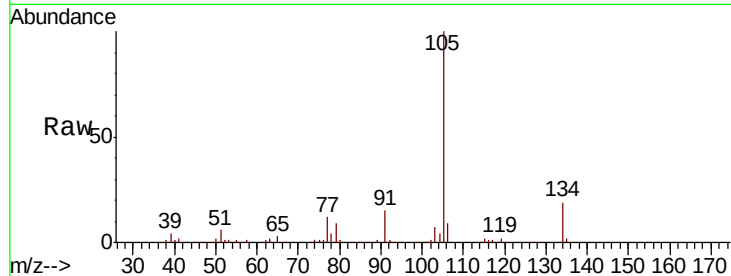
134 18.7 9.4 28.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 22.174 ug/l

RT: 12.46 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

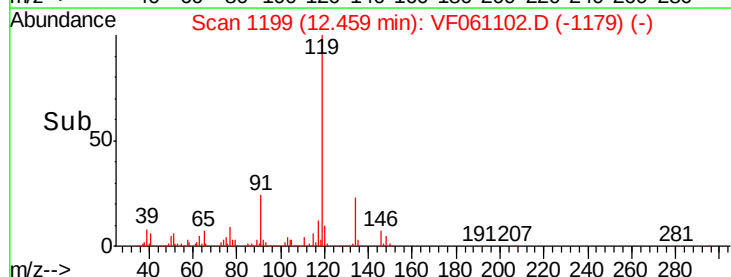
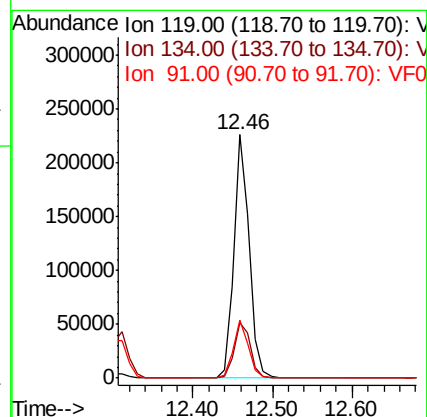
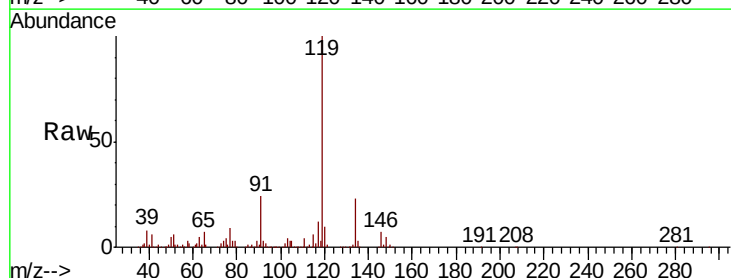
Tgt Ion:119 Resp: 307741

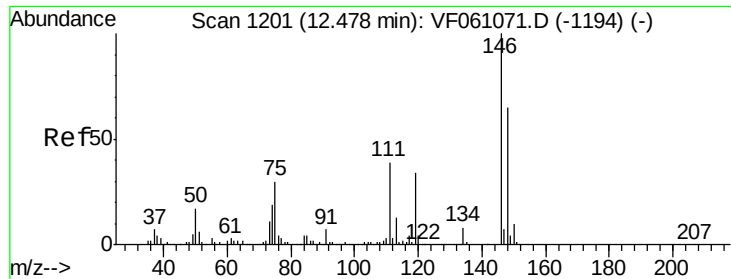
Ion Ratio Lower Upper

119 100

134 22.8 12.8 38.4

91 24.1 12.2 36.6





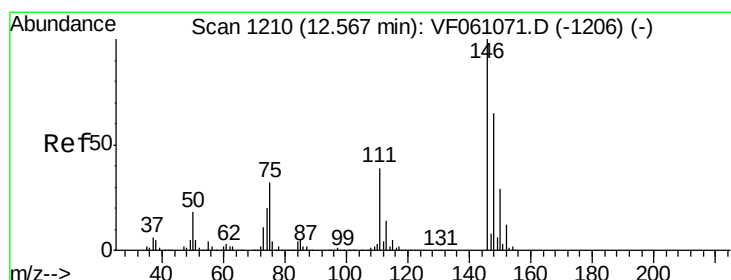
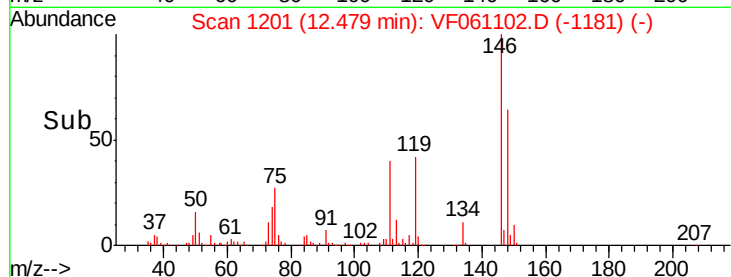
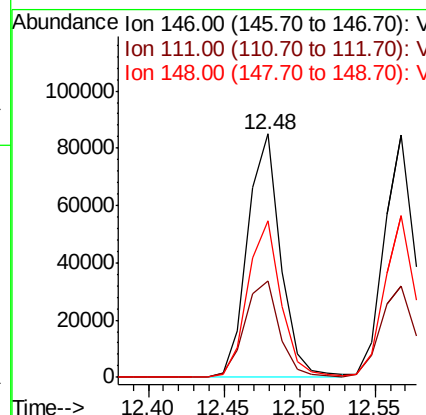
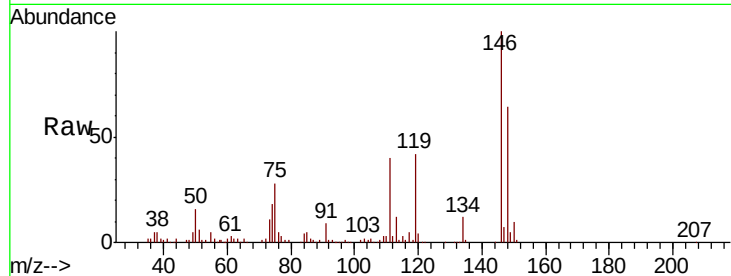
#87
 1,3-Dichlorobenzene
 Concen: 21.244 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF061102.D
 Acq: 20 Dec 2018 12:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1220SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.3	57.9
148	64.4	32.4	97.2

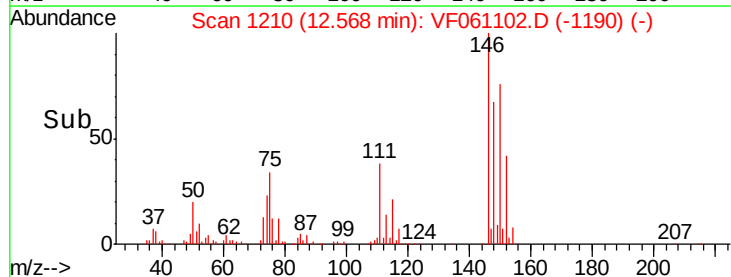
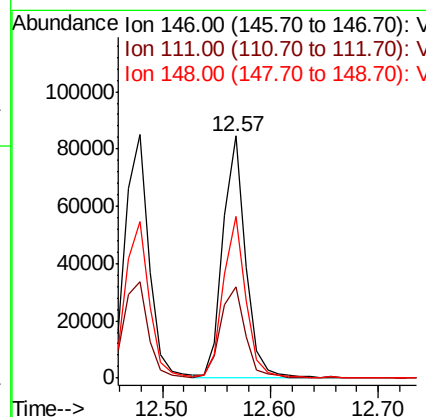
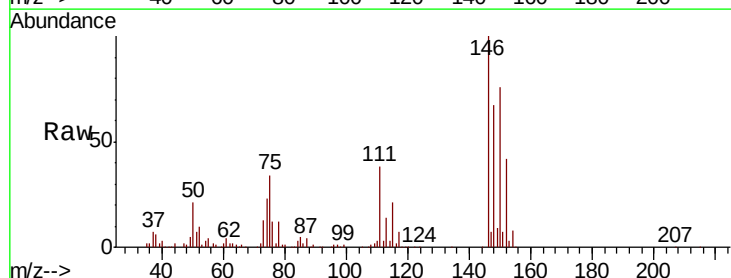
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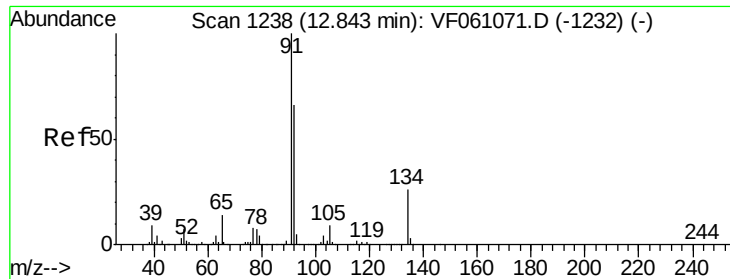
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#88
 1,4-Dichlorobenzene
 Concen: 20.551 ug/l
 RT: 12.57 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VF061102.D
 Acq: 20 Dec 2018 12:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.4	58.4
148	66.6	32.4	97.0





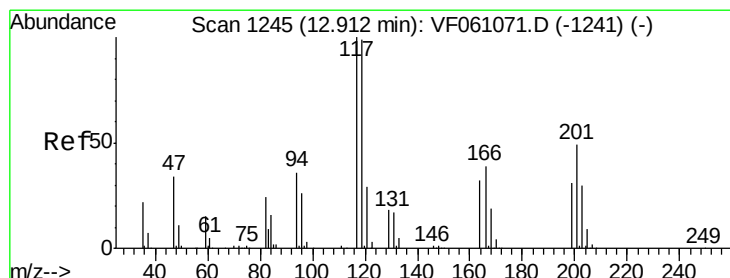
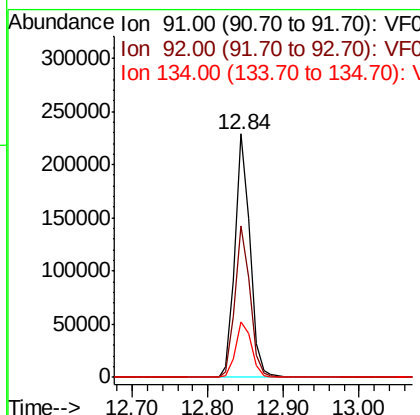
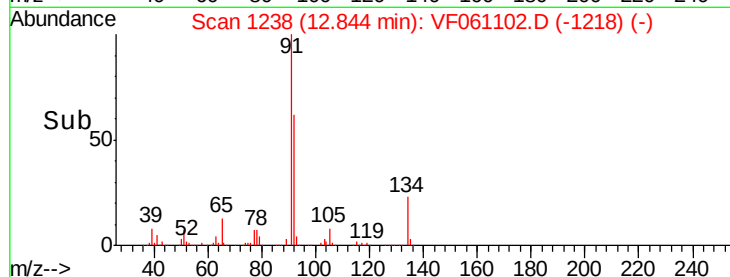
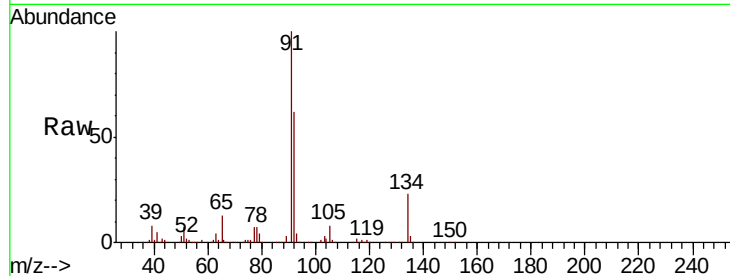
#89
n-Butylbenzene
Concen: 19.488 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. 0.00 min
Lab File: VF061102.D
Acq: 20 Dec 2018 12:23

Instrument :
MSVOA_F
ClientSampleId :
VF1220SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		310517		
92	62.1	32.8		98.4	
134	22.6	13.2		39.5	

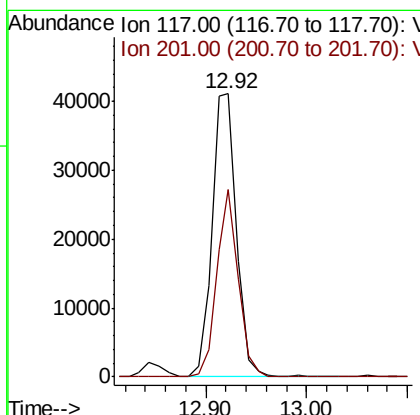
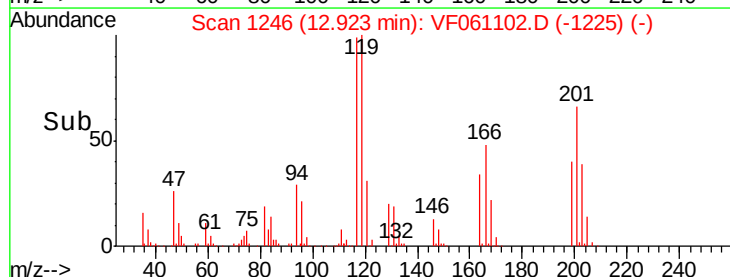
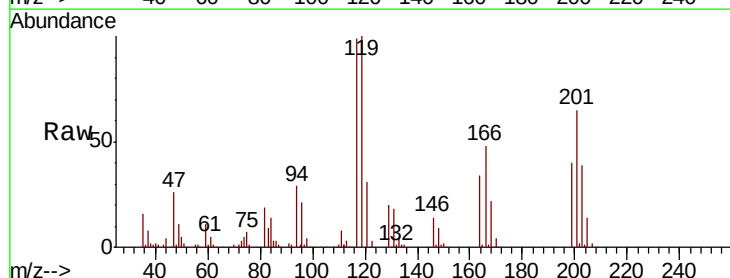
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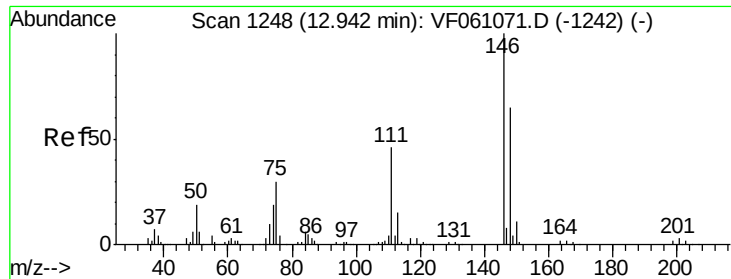
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#90
Hexachloroethane
Concen: 20.338 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VF061102.D
Acq: 20 Dec 2018 12:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		69738		
201	66.3	24.9		74.8	





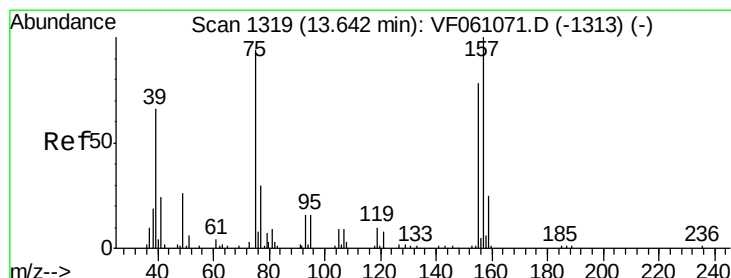
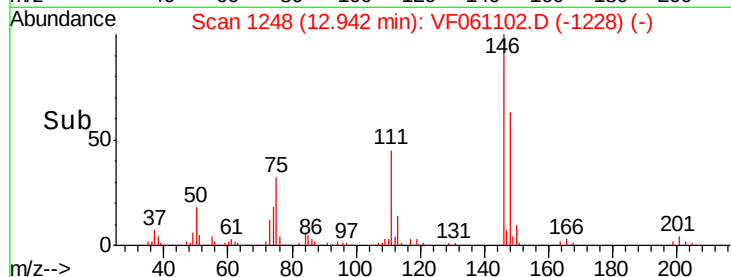
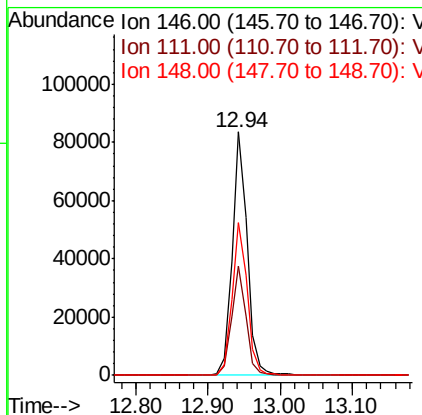
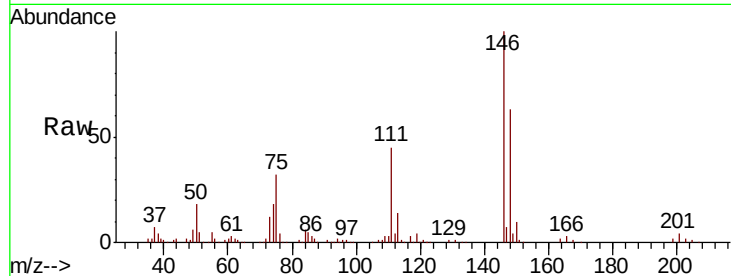
#91
 1,2-Dichlorobenzene
 Concen: 20.793 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VF061102.D
 Acq: 20 Dec 2018 12:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1220SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	23.2	69.5
148	62.6	32.4	97.0

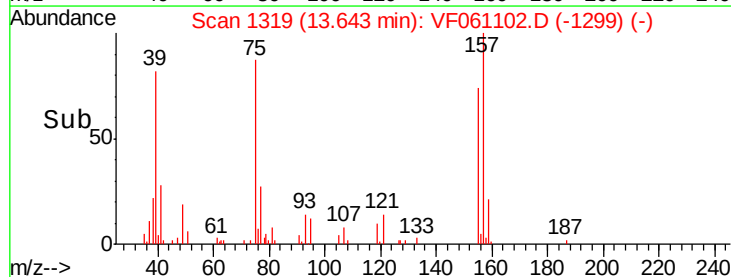
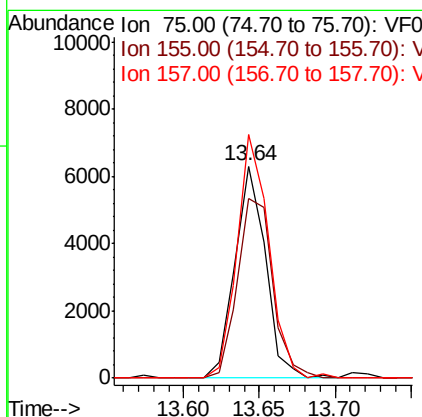
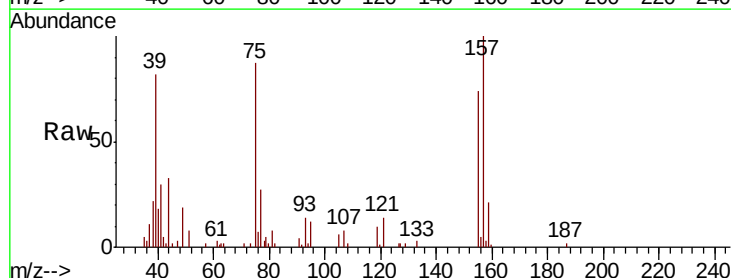
Manual Integrations
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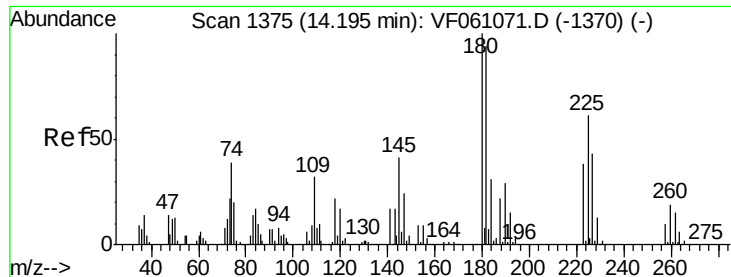
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.237 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. 0.00 min
 Lab File: VF061102.D
 Acq: 20 Dec 2018 12:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.5	41.5	124.5
157	114.9	53.2	159.6





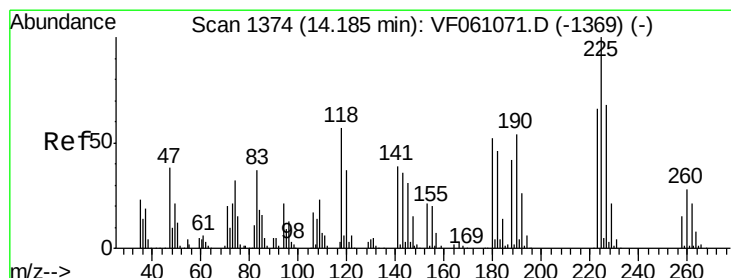
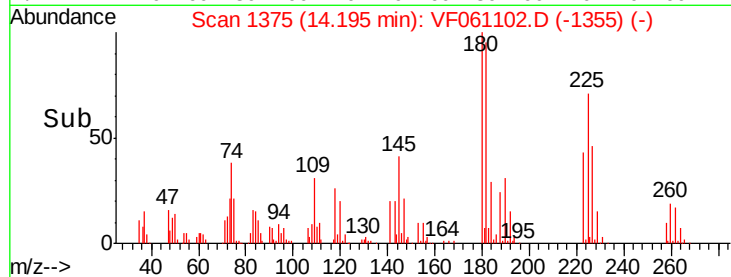
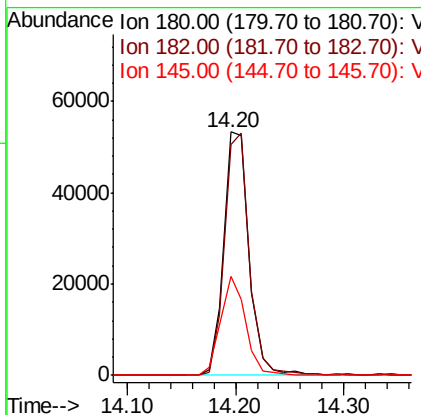
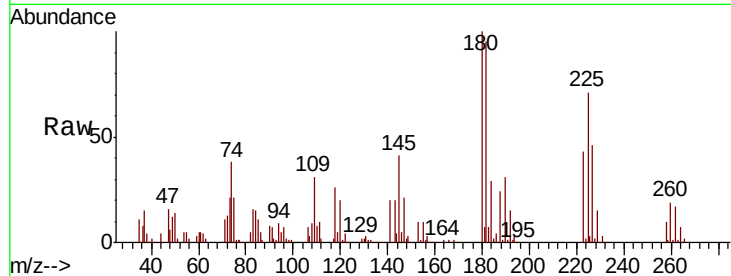
#93
 1,2,4-Trichlorobenzene
 Concen: 21.096 ug/l
 RT: 14.20 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VF061102.D
 Acq: 20 Dec 2018 12:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1220SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	87062		
182	94.8	46.9	140.6	
145	40.6	20.5	61.6	

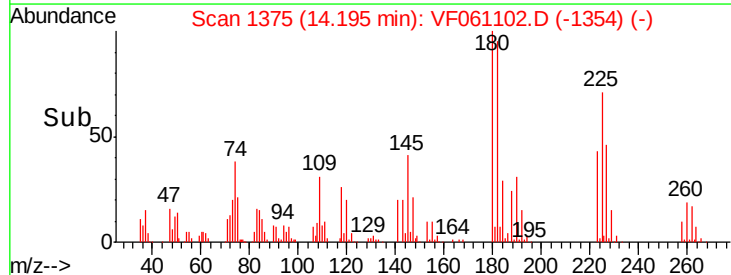
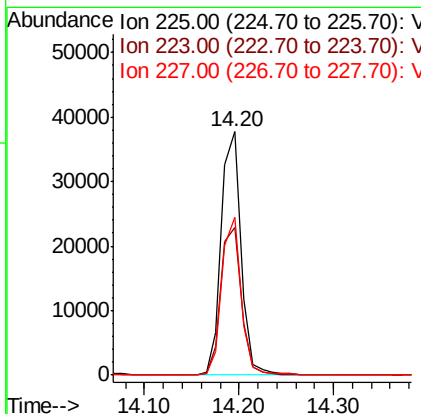
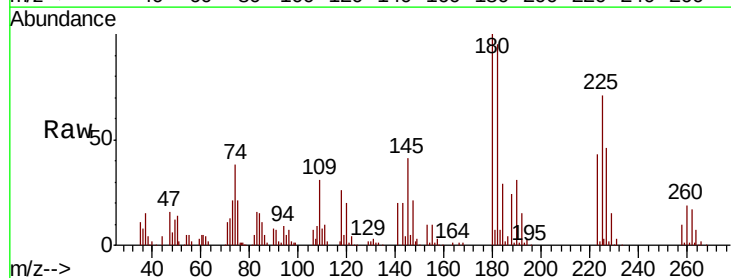
Manual Integrations
 APPROVED

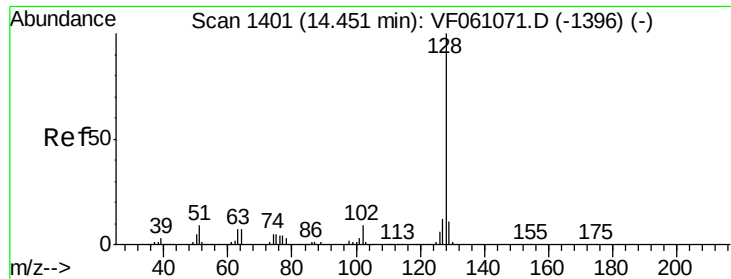
apatel
 12/21/2018 12:22:58 PM



#94
 Hexachlorobutadiene
 Concen: 20.917 ug/l
 RT: 14.20 min Scan# 1375
 Delta R.T. 0.01 min
 Lab File: VF061102.D
 Acq: 20 Dec 2018 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	54981		
223	60.5	32.8	98.3	
227	64.9	34.0	101.8	





#95

Naphthalene

Concen: 21.146 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. 0.01 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

Instrument :

MSVOA_F

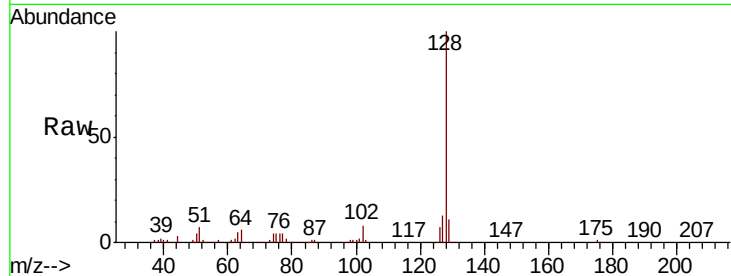
ClientSampleId :

VF1220SBS01

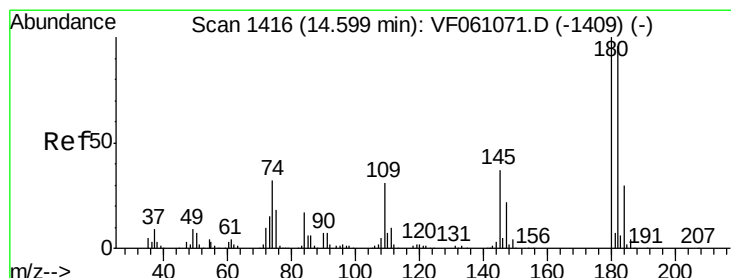
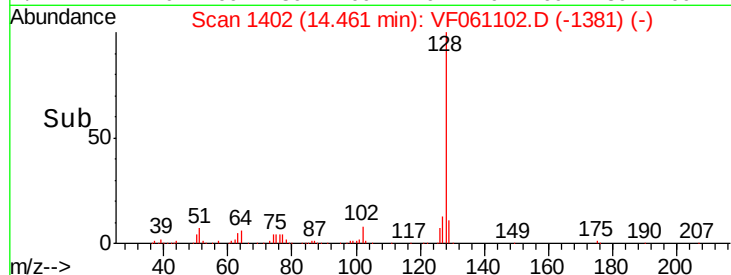
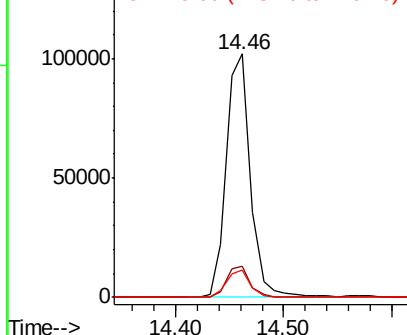
Tot Ion:	128	Resp:	159353
Ion Ratio	Lower	Upper	
128	100		
127	12.8	9.4	14.2
129	11.0	8.8	13.2

Manual Integrations
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12/21/2018 12:22:58 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.731 ug/l

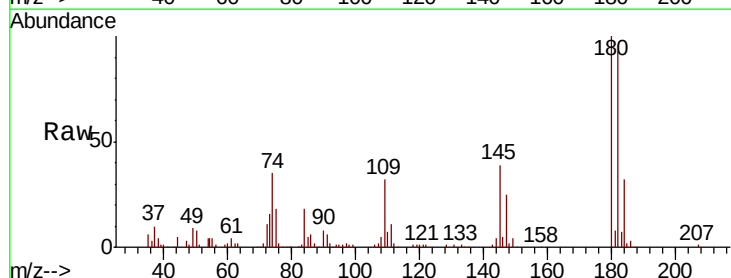
RT: 14.60 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VF061102.D

Acq: 20 Dec 2018 12:23

Tgt Ion:	180	Resp:	82907
Ion Ratio	Lower	Upper	
180	100		
182	93.1	47.9	143.8
145	39.2	18.6	55.8



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

