

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120318\
 Data File : VF060892.D
 Acq On : 3 Dec 2018 15:33
 Operator : VA/AP
 Sample : VF1203SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

Manual Integrations
 APPROVED

apatel
 12/4/2018 2:49:16 PM

Quant Time: Dec 04 03:33:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	183320	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.62	114	312572	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.80	117	298164	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	154961	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	119336	55.26	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	110.52%	
35) Dibromofluoromethane	4.14	113	128153	51.68	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	103.36%	
50) Toluene-d8	7.57	98	350621	48.00	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	96.00%	
62) 4-Bromofluorobenzene	11.43	95	170827	51.46	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	102.92%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	64309	23.462	ug/l	100
3) Chloromethane	1.11	50	39058	21.898	ug/l	94
4) Vinyl Chloride	1.15	62	37737	22.682	ug/l	93
5) Bromomethane	1.35	94	28759	24.514	ug/l	95
6) Chloroethane	1.41	64	17561	24.418	ug/l	89
7) Trichlorofluoromethane	1.49	101	83468m	23.383	ug/l	
8) Diethyl Ether	1.64	74	9979	19.440	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.85	101	42194	23.381	ug/l	95
10) Methyl Iodide	1.92	142	61975m	22.593	ug/l	
11) Tert butyl alcohol	2.59	59	11125	125.669	ug/l	96
12) 1,1-Dichloroethene	1.81	96	30943	21.317	ug/l	93
13) Acrolein	2.02	56	8113	96.727	ug/l	83
14) Allyl chloride	2.11	41	32175	17.784	ug/l	95
15) Acrylonitrile	2.95	53	23447	118.140	ug/l	87
16) Acetone	2.25	43	48140	120.883	ug/l	95
17) Carbon Disulfide	1.86	76	85547m	21.980	ug/l	
18) Methyl Acetate	2.35	43	17828	25.888	ug/l	93
19) Methyl tert-butyl Ether	2.45	73	71260	21.797	ug/l	98
20) Methylene Chloride	2.27	84	30600m	20.945	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	29406m	21.013	ug/l	
22) Diisopropyl ether	2.82	45	106875	21.702	ug/l	96
23) Vinyl Acetate	3.20	43	261089	115.982	ug/l	99
24) 1,1-Dichloroethane	2.89	63	66105	22.561	ug/l	98
25) 2-Butanone	4.36	43	81328	118.070	ug/l	99
26) 2,2-Dichloropropane	3.62	77	41400	21.795	ug/l	97
27) cis-1,2-Dichloroethene	3.49	96	51820	22.746	ug/l	97
28) Bromochloromethane	3.73	49	31831	22.637	ug/l	97
29) Tetrahydrofuran	4.10	42	32279	110.553	ug/l	95
30) Chloroform	3.88	83	101331	22.471	ug/l	97
31) Cyclohexane	3.70	56	68601m	22.560	ug/l	
32) 1,1,1-Trichloroethane	4.12	97	60179	19.243	ug/l	97
36) 1,1-Dichloropropene	4.30	75	77606	22.385	ug/l	99
37) Ethyl Acetate	4.14	43	34150	24.239	ug/l #	75
38) Carbon Tetrachloride	4.01	117	61559	20.103	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	69696	19.183	ug/l	98
40) Benzene	4.65	78	167809	21.910	ug/l	95
41) Methacrylonitrile	4.77	41	18621	23.469	ug/l	94
42) 1,2-Dichloroethane	4.97	62	62707	22.426	ug/l	95
43) Isopropyl Acetate	6.98	43	37246	19.783	ug/l #	95
44) Trichloroethene	5.53	130	53712	21.448	ug/l	94
45) 1,2-Dichloropropane	6.26	63	42553	21.392	ug/l	98
46) Dibromomethane	6.11	93	30196	22.377	ug/l	100
47) Bromodichloromethane	6.41	83	78076	21.785	ug/l	97
48) Methyl methacrylate	6.74	41	25999	20.387	ug/l	96
49) 1,4-Dioxane	6.73	88	4912	526.284	ug/l #	86
51) 4-Methyl-2-Pentanone	8.28	43	139613	107.460	ug/l	96
52) Toluene	7.65	92	102275	19.010	ug/l	98
53) t-1,3-Dichloropropene	8.30	75	64659	22.179	ug/l	93
54) cis-1,3-Dichloropropene	7.32	75	79936	22.149	ug/l	99
55) 1,1,2-Trichloroethane	8.51	97	33314	21.251	ug/l	96
56) Ethyl methacrylate	8.64	69	36465	20.939	ug/l	97
57) 1,3-Dichloropropane	8.87	76	58613	21.371	ug/l #	88
58) 2-Chloroethyl Vinyl ether	7.31	63	18879	105.987	ug/l #	85
59) 2-Hexanone	9.51	43	110507	121.240	ug/l	94
60) Dibromochloromethane	8.73	129	45929	19.664	ug/l	88
61) 1,2-Dibromoethane	9.01	107	35228	20.802	ug/l	91
64) Tetrachloroethene	8.17	164	45600	20.023	ug/l	94
65) Chlorobenzene	9.82	112	124850	21.524	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.96	131	52984	21.248	ug/l	96
67) Ethyl Benzene	9.92	91	232457	21.526	ug/l	99
68) m/p-Xylenes	10.16	106	157256	40.490	ug/l	92
69) o-Xylene	10.73	106	86666	20.236	ug/l	86
70) Styrene	10.81	104	116731	19.662	ug/l	95
71) Bromoform	10.79	173	25705	21.341	ug/l #	97
73) Isopropylbenzene	11.14	105	265156	21.653	ug/l	98
74) N-amyl acetate	11.39	43	61471	21.738	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.71	83	46560	23.102	ug/l	91
76) 1,2,3-Trichloropropane	11.81	75	33177	22.648	ug/l	99
77) Bromobenzene	11.52	156	55222	20.569	ug/l	93
78) n-propylbenzene	11.61	91	316594	22.076	ug/l	99
79) 2-Chlorotoluene	11.73	91	186611	22.694	ug/l	98
80) 1,3,5-Trimethylbenzene	11.84	105	219727	22.102	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.88	75	13823m	19.259	ug/l	
82) 4-Chlorotoluene	11.91	91	185762	21.467	ug/l	96
83) tert-Butylbenzene	12.15	119	228429	22.557	ug/l	98
84) 1,2,4-Trimethylbenzene	12.22	105	222452	22.421	ug/l	95
85) sec-Butylbenzene	12.32	105	299496	21.604	ug/l	97
86) p-Isopropyltoluene	12.47	119	267050	22.977	ug/l	98
87) 1,3-Dichlorobenzene	12.49	146	113942	22.312	ug/l	98
88) 1,4-Dichlorobenzene	12.58	146	106711	21.442	ug/l	99
89) n-Butylbenzene	12.86	91	257369	21.900	ug/l	97
90) Hexachloroethane	12.94	117	62275	22.251	ug/l	81
91) 1,2-Dichlorobenzene	12.96	146	105954	21.909	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.66	75	7700	19.761	ug/l	94

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Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	74621	22.083	ug/l	92
94) Hexachlorobutadiene	14.21	225	46470	20.630	ug/l	96
95) Naphthalene	14.47	128	129157	17.412	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	69576	22.175	ug/l	95

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

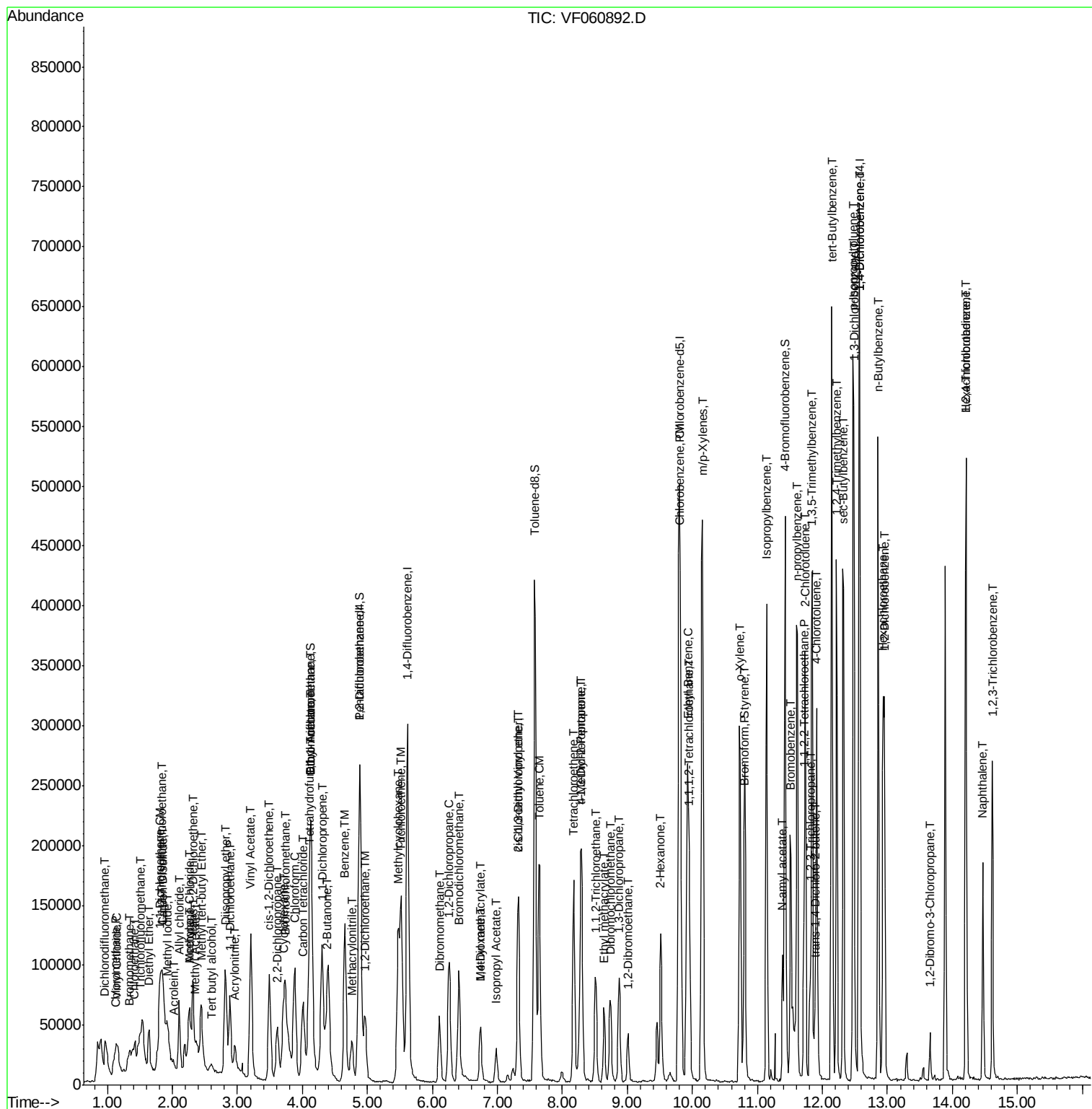
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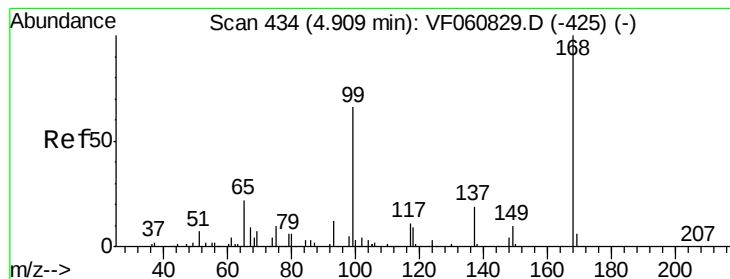
Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. -0.02 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Tot Ion: 168 Resp: 183320

Ion Ratio Lower Upper

168 100

99 75.1 52.6 79.0

Instrument :

MSVOA_F

ClientSampleId :

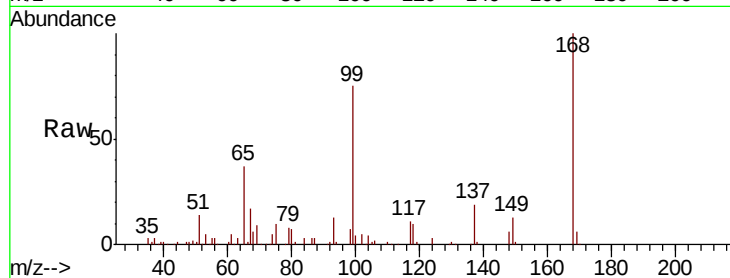
VF1203SBS01

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

4.89

60000

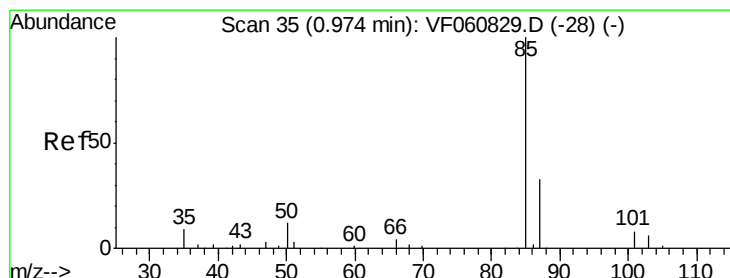
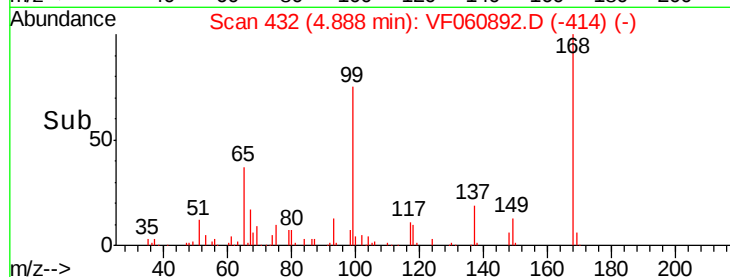
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 23.462 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060892.D

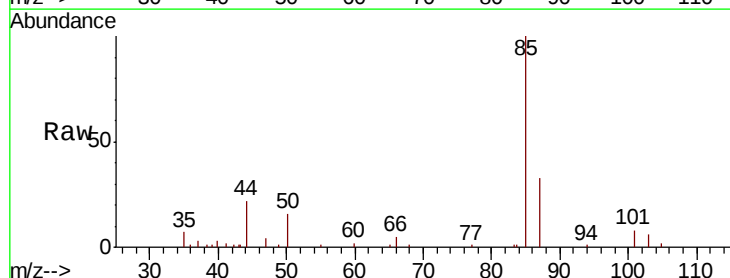
Acq: 3 Dec 2018 15:33

Tgt Ion: 85 Resp: 64309

Ion Ratio Lower Upper

85 100

87 33.0 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

15000

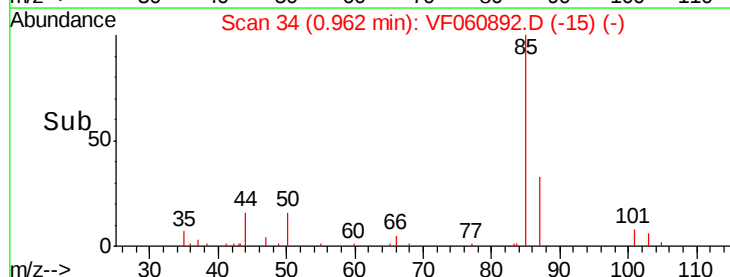
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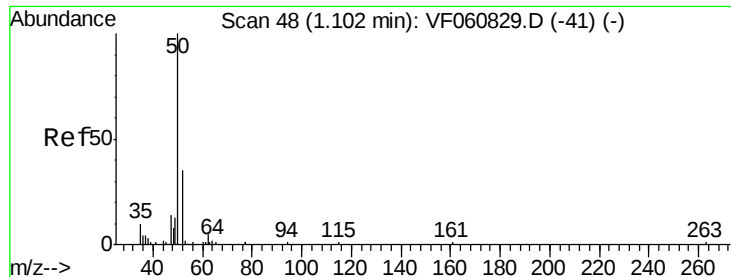
5000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 21.898 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion: 50 Resp: 39058

Ion Ratio Lower Upper

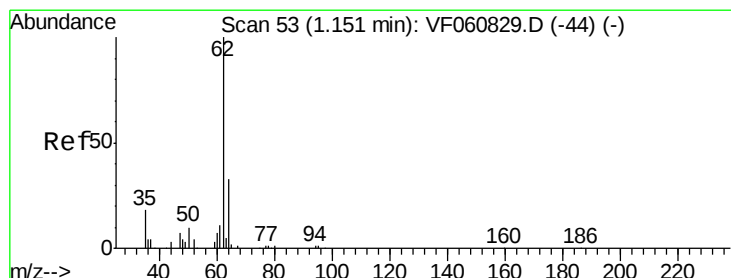
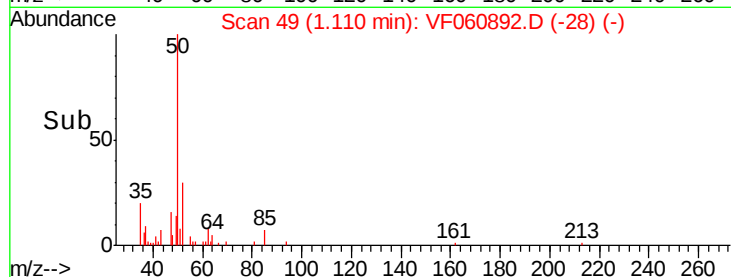
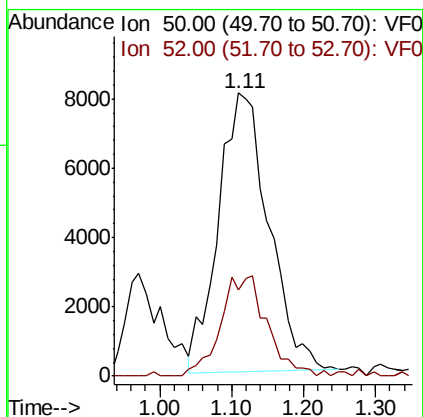
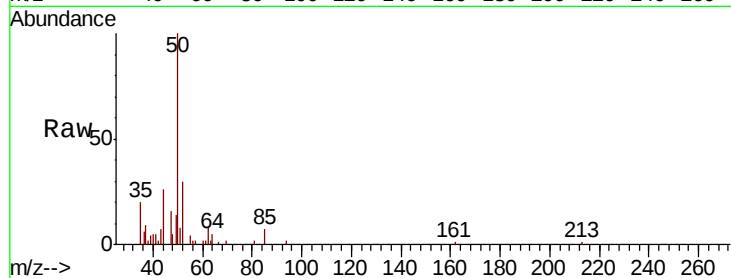
50 100

52 30.4 27.0 40.4

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#4

Vinyl Chloride

Concen: 22.682 ug/l

RT: 1.15 min Scan# 53

Delta R.T. -0.00 min

Lab File: VF060892.D

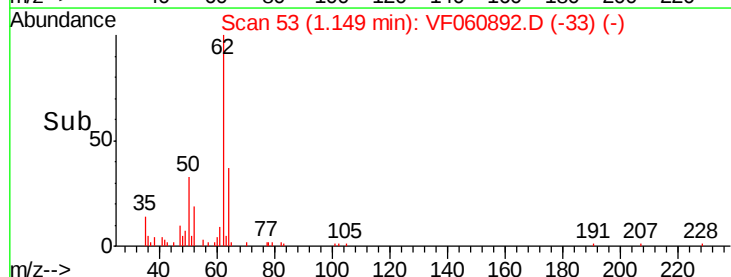
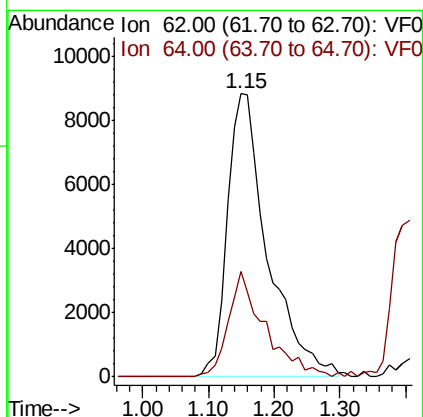
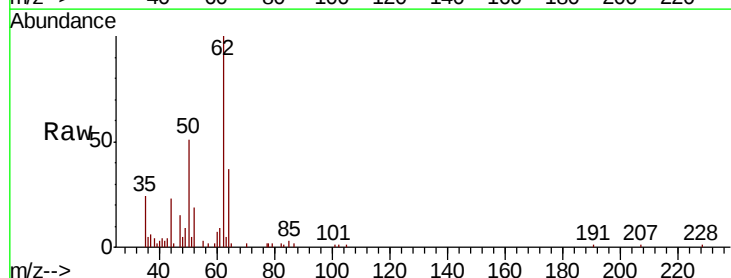
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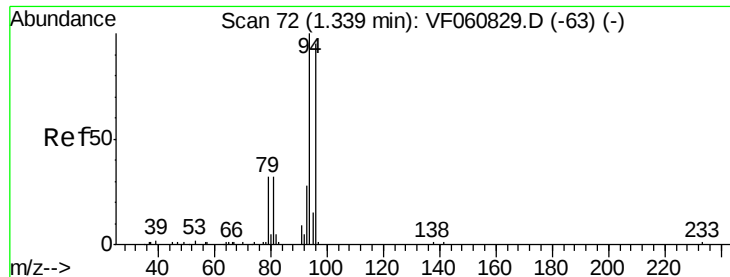
Tgt Ion: 62 Resp: 37737

Ion Ratio Lower Upper

62 100

64 37.1 26.4 39.6





#5

Bromomethane

Concen: 24.514 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion: 94 Resp: 28759

Ion Ratio Lower Upper

94 100

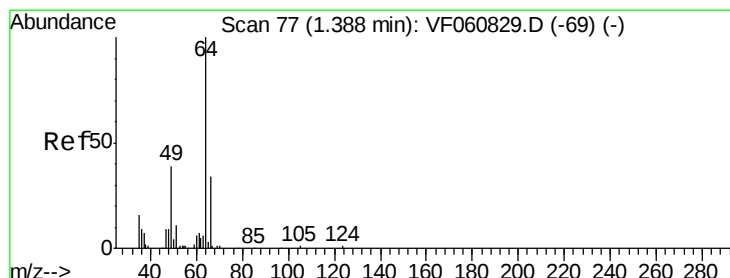
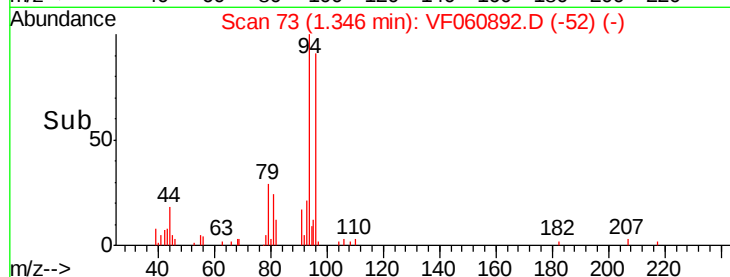
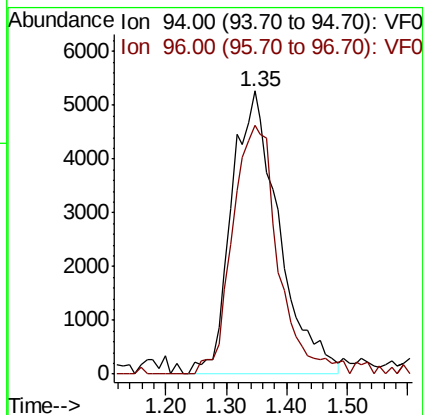
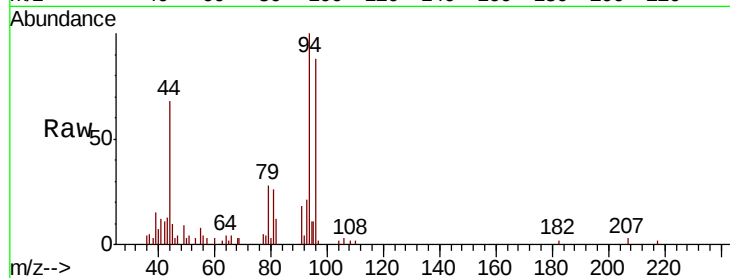
96 90.2 75.9 113.9

Manual Integrations

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#6

Chloroethane

Concen: 24.418 ug/l

RT: 1.41 min Scan# 79

Delta R.T. 0.02 min

Lab File: VF060892.D

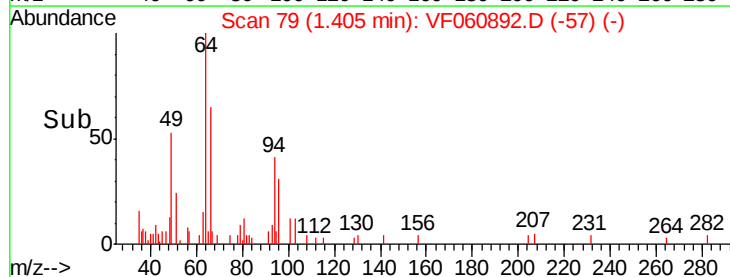
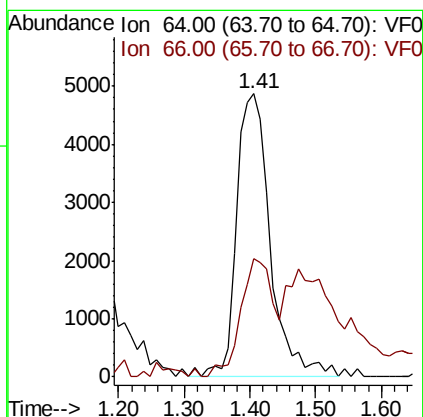
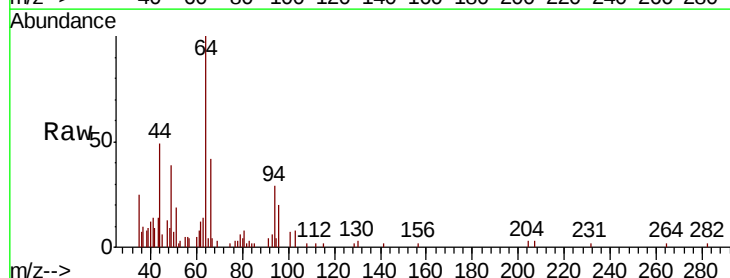
Acq: 3 Dec 2018 15:33

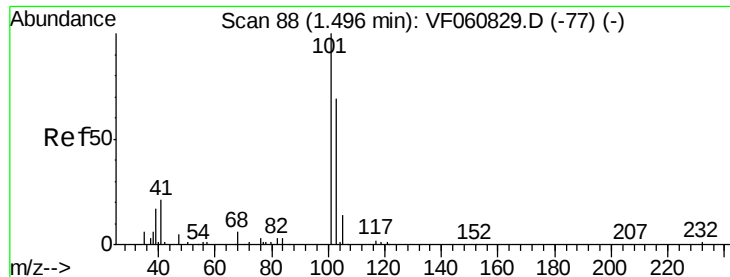
Tgt Ion: 64 Resp: 17561

Ion Ratio Lower Upper

64 100

66 41.6 28.1 42.1





#7

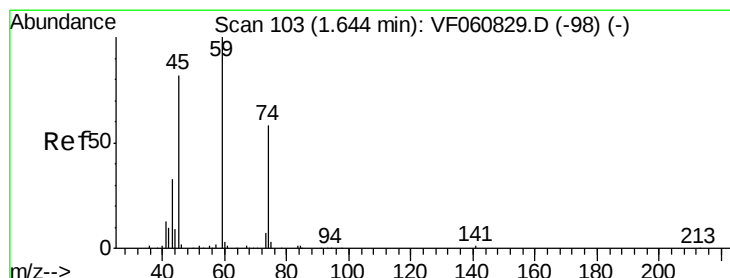
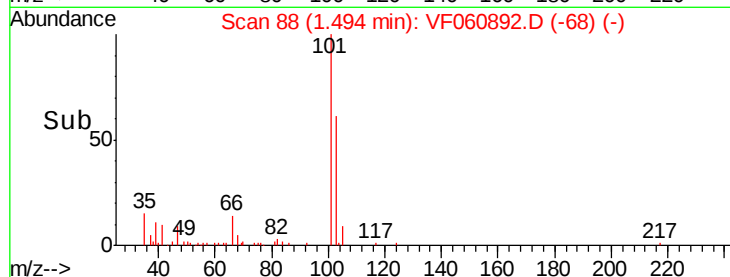
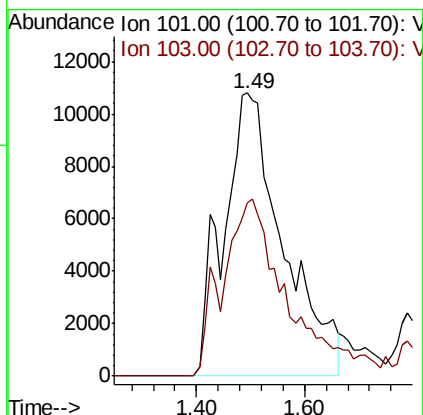
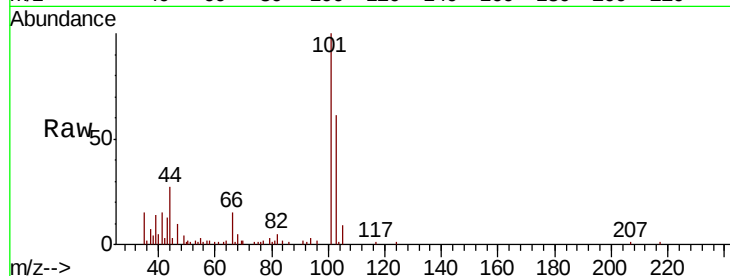
Trichlorofluoromethane
Concen: 23.383 ug/l m
RT: 1.49 min Scan# 88
Delta R.T. -0.00 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Instrument :
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ClientSampleId :
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Tot Ion:101 Resp: 83468
Ion Ratio Lower Upper
101 100
103 61.5 55.4 83.0

Manual Integrations
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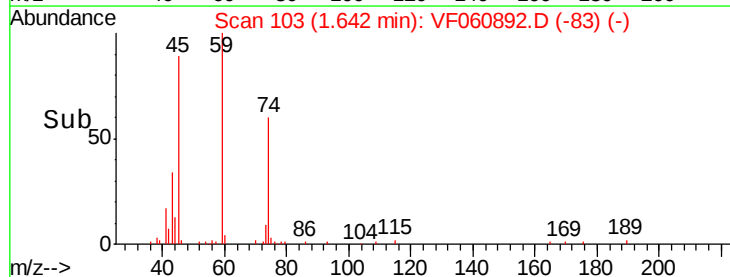
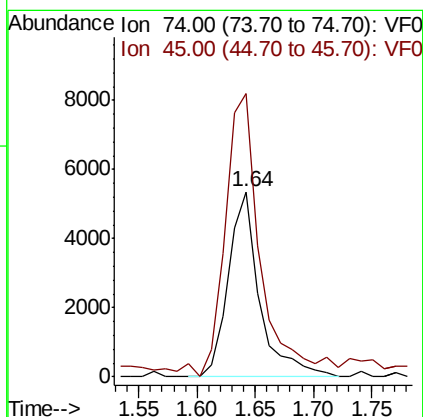
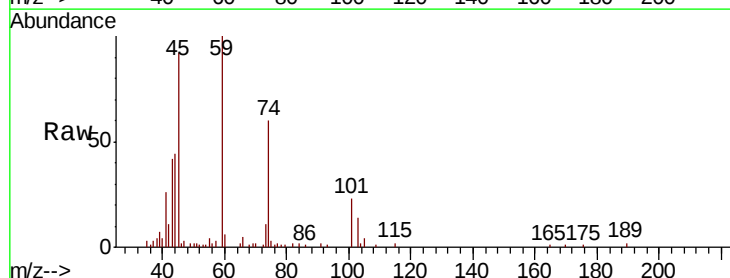
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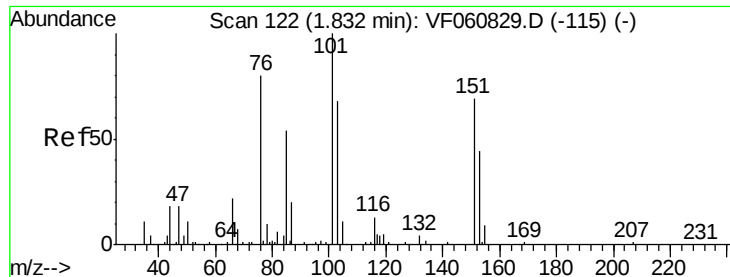


#8

Diethyl Ether
Concen: 19.440 ug/l
RT: 1.64 min Scan# 103
Delta R.T. -0.00 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Tgt Ion: 74 Resp: 9979
Ion Ratio Lower Upper
74 100
45 152.9 71.0 212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.381 ug/l

RT: 1.85 min Scan# 124

Delta R.T. 0.02 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

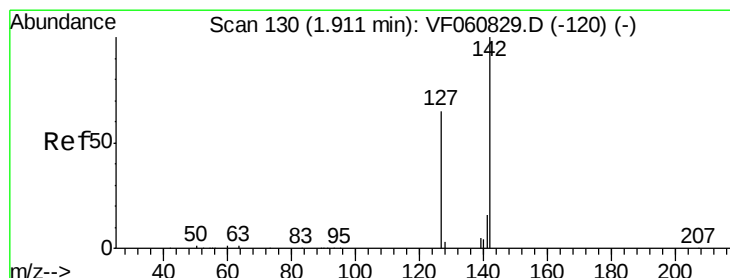
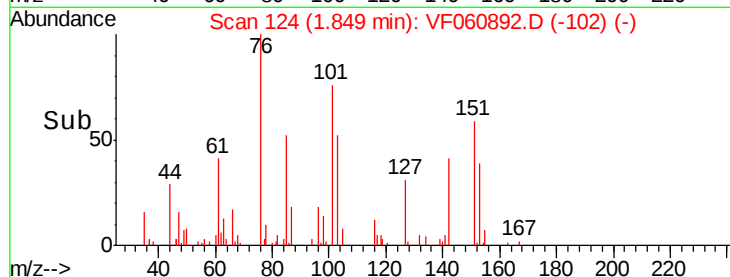
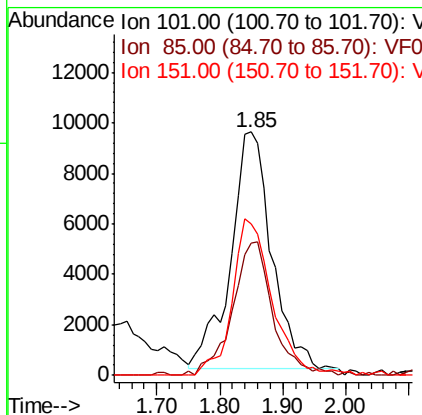
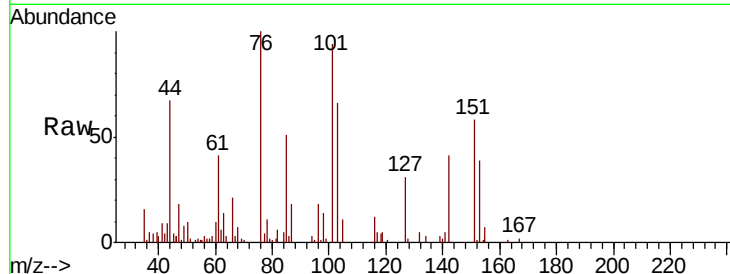
ClientSampleId :

VF1203SBS01

Tot Ion:	101	Resp:	42194
Ion Ratio	Lower	Upper	
101	100		
85	54.2	42.8	64.2
151	62.0	54.4	81.6

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#10

Methyl Iodide

Concen: 22.593 ug/l m

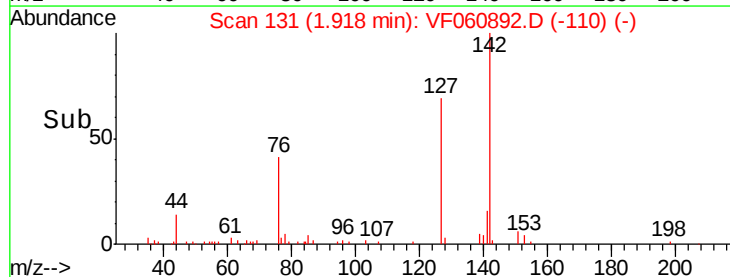
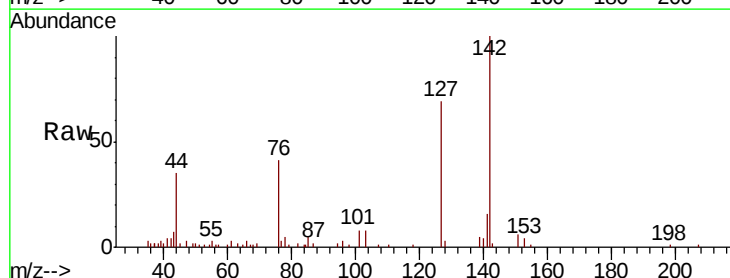
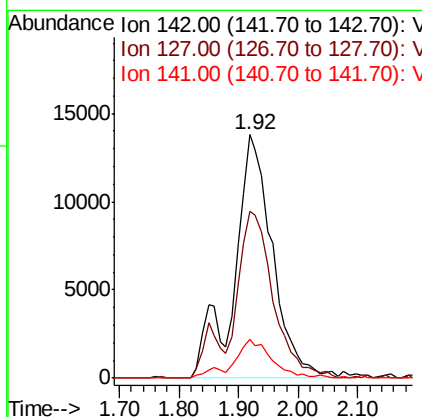
RT: 1.92 min Scan# 131

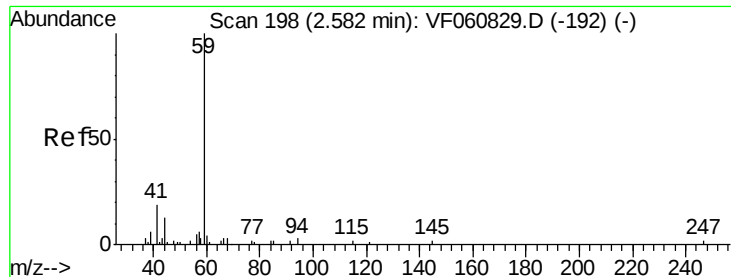
Delta R.T. 0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Tgt Ion:	142	Resp:	61975
Ion Ratio	Lower	Upper	
142	100		
127	68.6	51.9	77.9
141	16.0	12.7	19.1





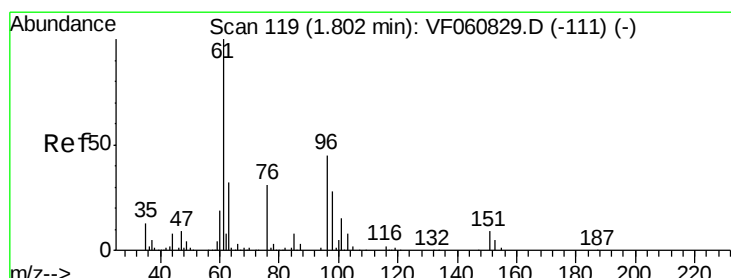
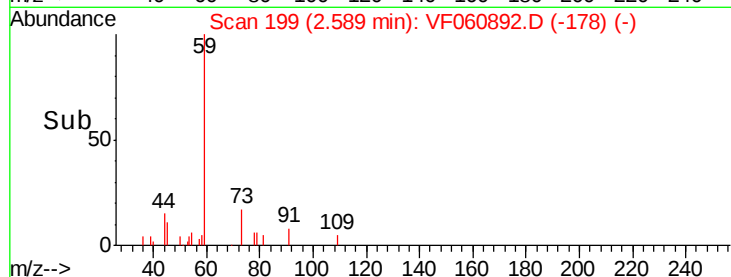
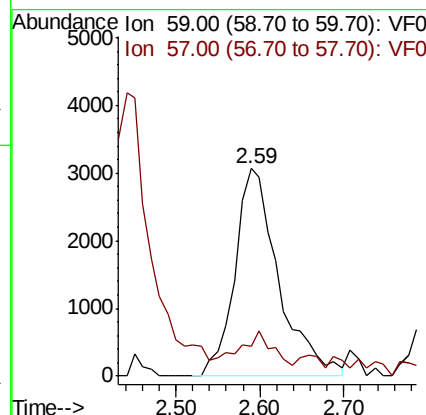
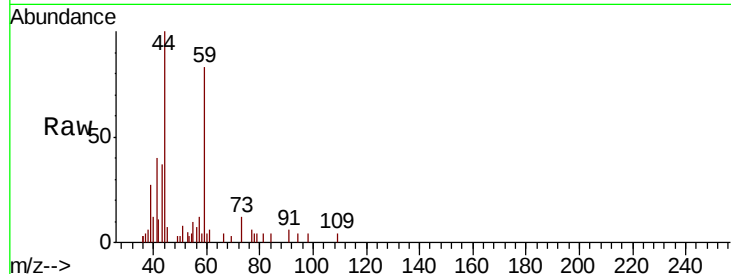
#11
Tert butyl alcohol
Concen: 125.669 ug/l
RT: 2.59 min Scan# 199
Delta R.T. 0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion: 59 Resp: 11125
Ion Ratio Lower Upper
59 100
57 14.4 12.7 19.1

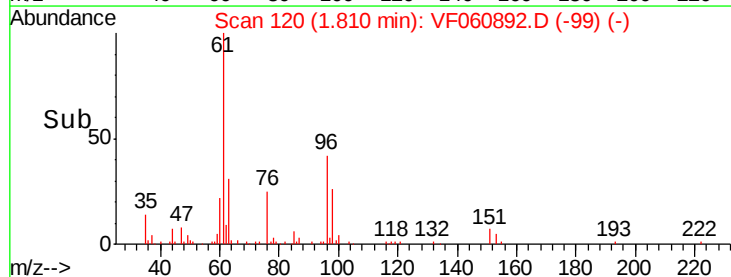
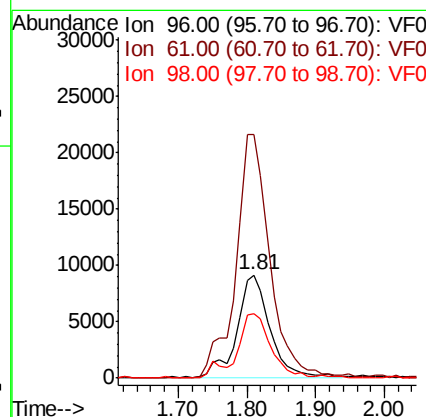
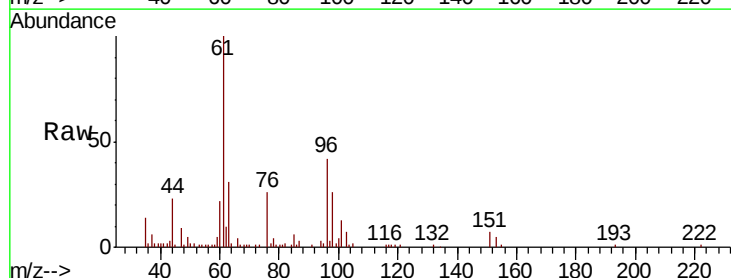
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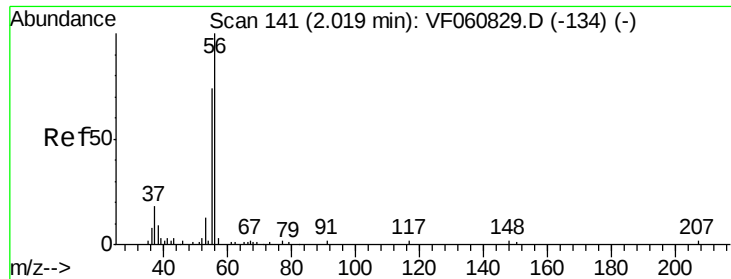
apatel
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#12
1,1-Dichloroethene
Concen: 21.317 ug/l
RT: 1.81 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Tgt Ion: 96 Resp: 30943
Ion Ratio Lower Upper
96 100
61 236.1 177.3 265.9
98 62.5 49.6 74.4





#13

Acrolein

Concen: 96.727 ug/l

RT: 2.02 min Scan# 141

Delta R.T. -0.00 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion: 56 Resp: 8113

Ion Ratio Lower Upper

56 100

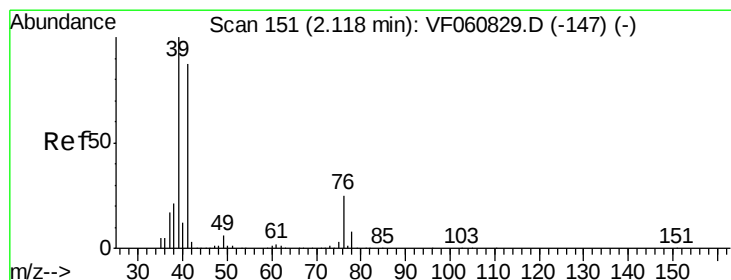
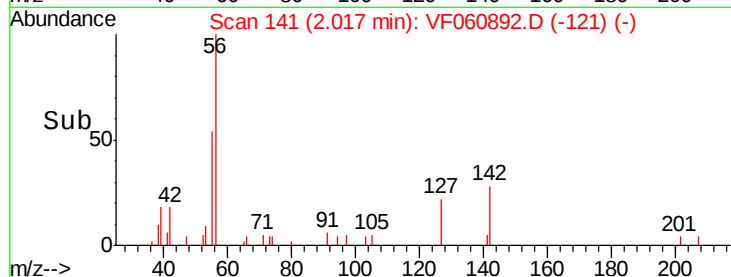
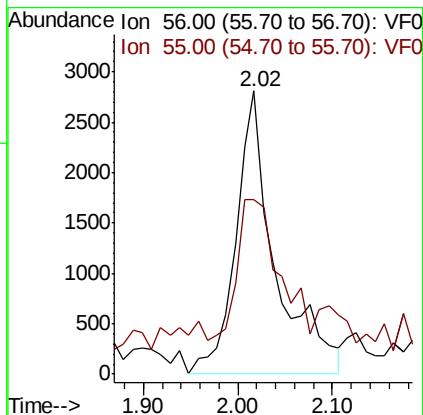
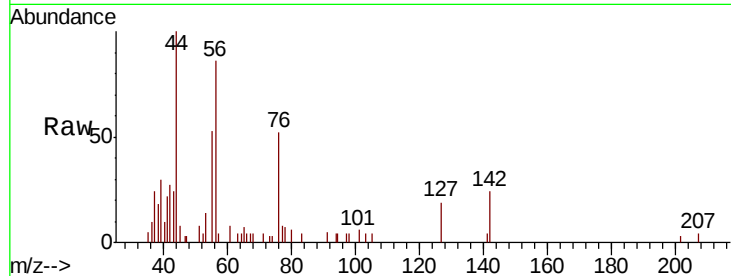
55 61.8 61.2 91.8

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#14

Allyl chloride

Concen: 17.784 ug/l

RT: 2.11 min Scan# 150

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

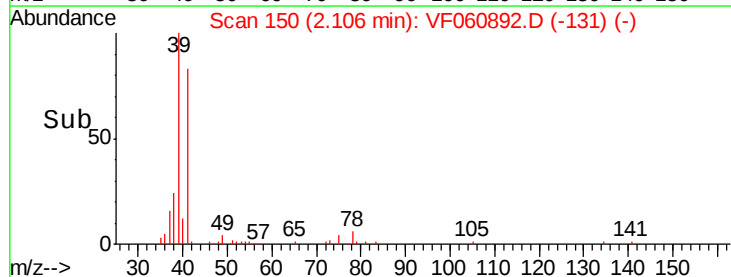
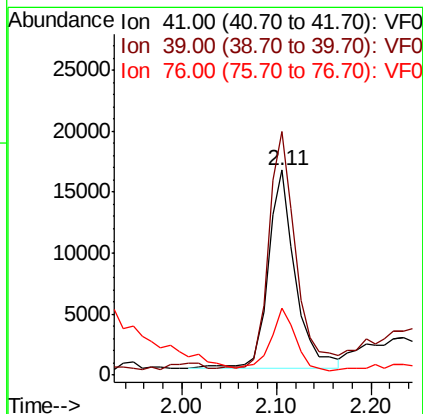
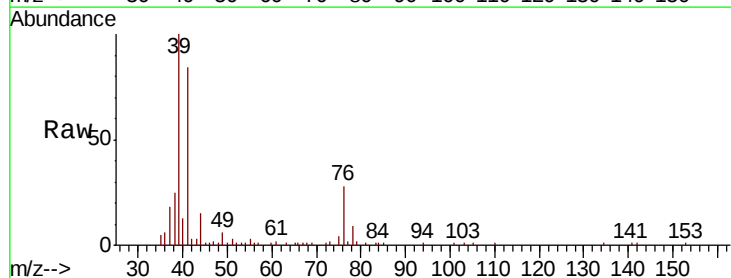
Tgt Ion: 41 Resp: 32175

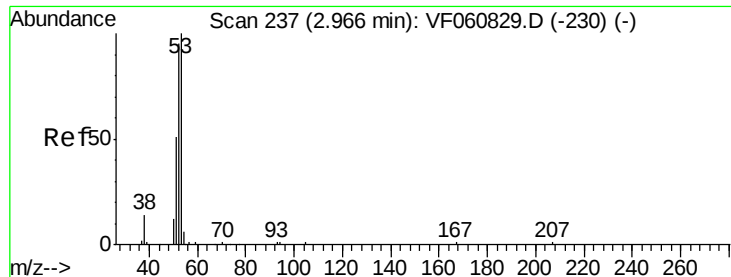
Ion Ratio Lower Upper

41 100

39 119.0 91.7 137.5

76 32.8 23.5 35.3





#15

Acrylonitrile

Concen: 118.140 ug/l

RT: 2.95 min Scan# 236

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

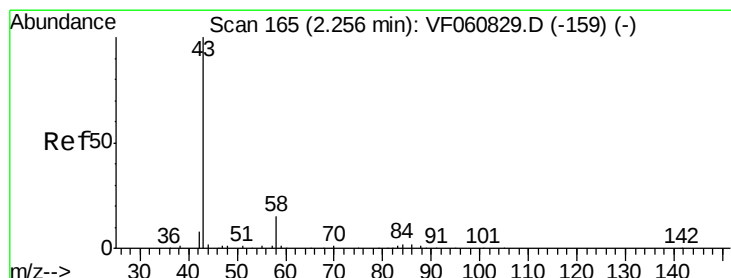
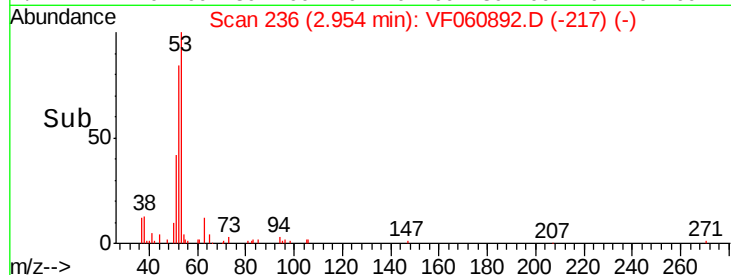
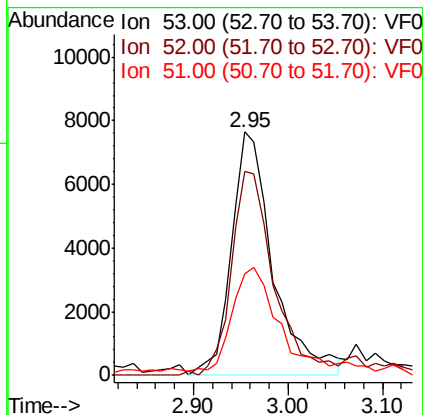
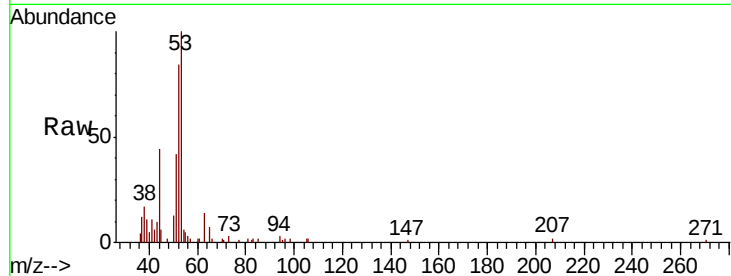
ClientSampleId :

VF1203SBS01

Tot Ion:	53	Resp:	23447
Ion	Ratio	Lower	Upper
53	100		
52	83.7	76.5	114.7
51	41.6	40.7	61.1

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#16

Acetone

Concen: 120.883 ug/l

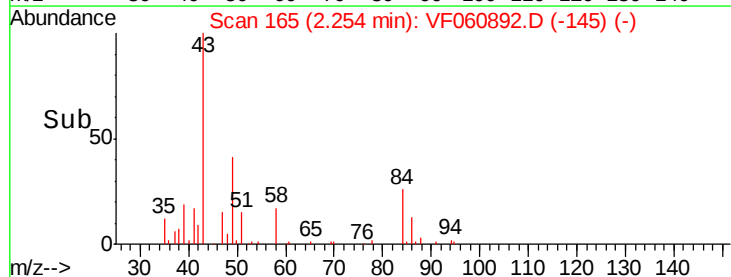
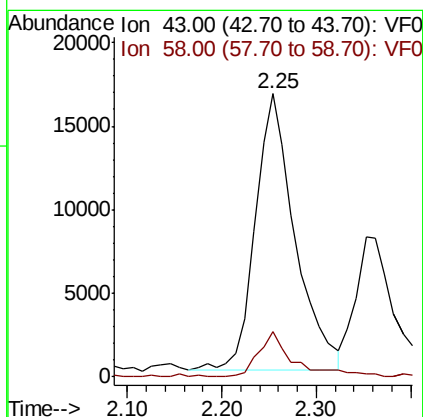
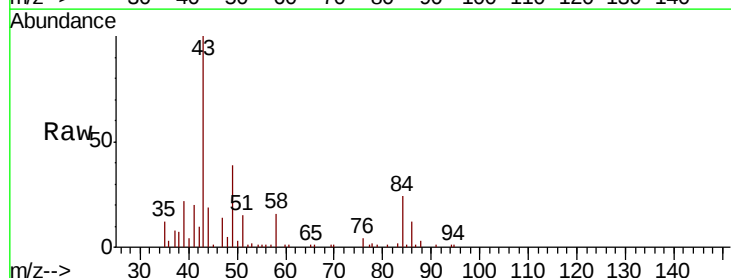
RT: 2.25 min Scan# 165

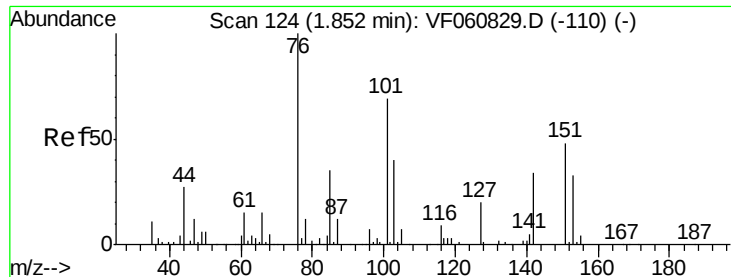
Delta R.T. -0.00 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Tgt Ion:	43	Resp:	48140
Ion	Ratio	Lower	Upper
43	100		
58	16.2	11.4	17.2





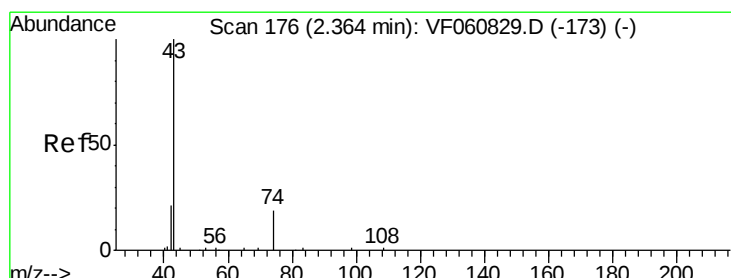
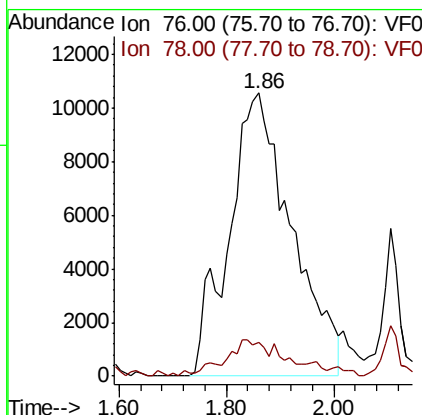
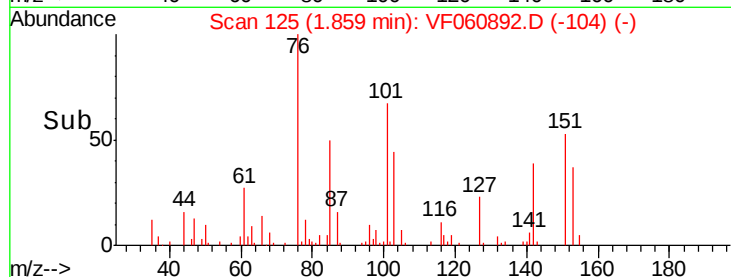
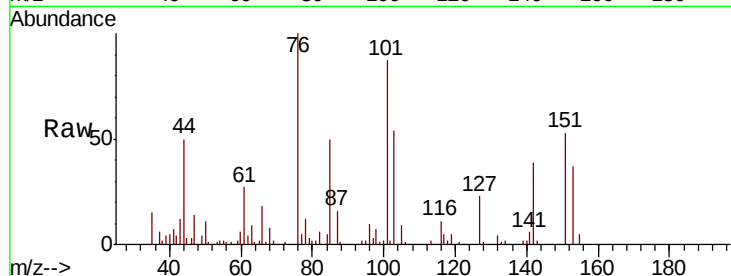
#17
Carbon Disulfide
Concen: 21.980 ug/l m
RT: 1.86 min Scan# 125
Delta R.T. 0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion: 76 Resp: 85547
Ion Ratio Lower Upper
76 100
78 11.9 10.2 15.2

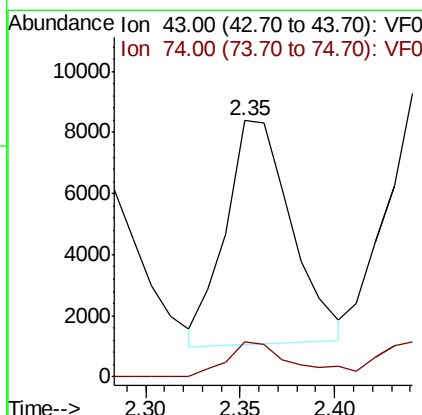
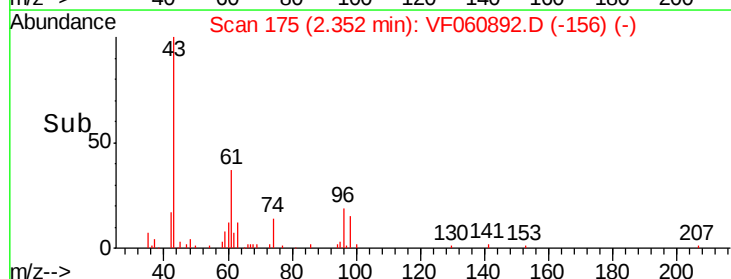
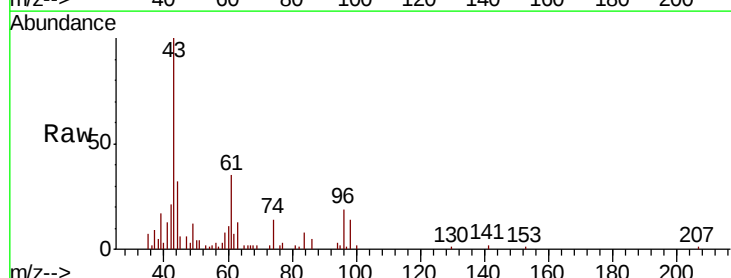
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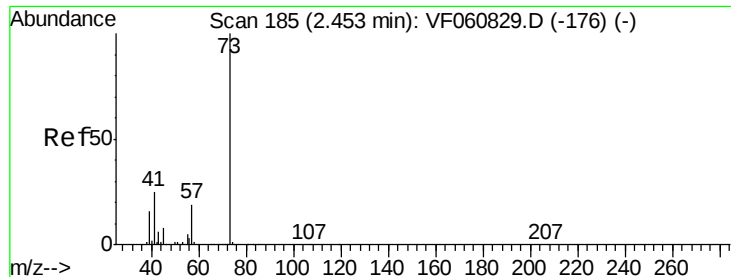
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#18
Methyl Acetate
Concen: 25.888 ug/l
RT: 2.35 min Scan# 175
Delta R.T. -0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Tgt Ion: 43 Resp: 17828
Ion Ratio Lower Upper
43 100
74 13.6 13.3 19.9





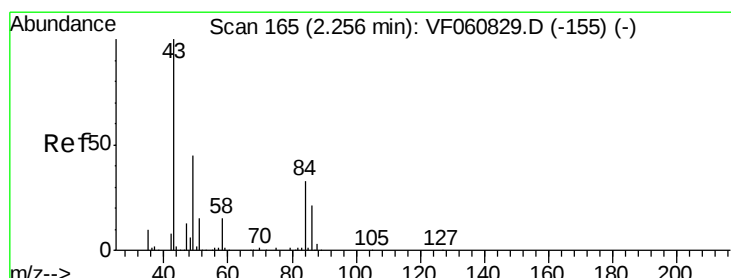
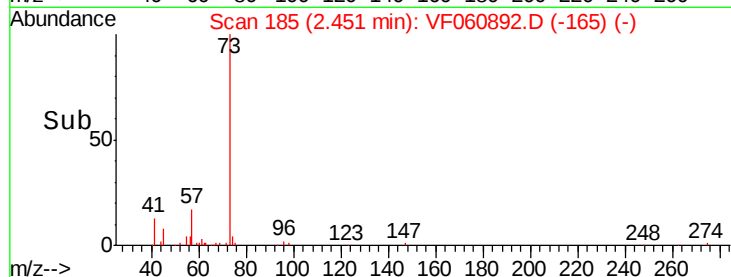
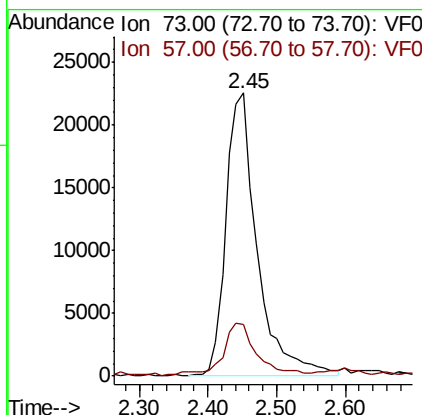
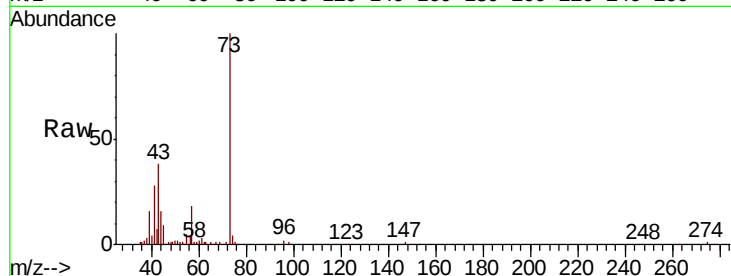
#19
Methvl tert-butvl Ether
Concen: 21.797 ug/l
RT: 2.45 min Scan# 185
Delta R.T. -0.00 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.2	15.3	22.9

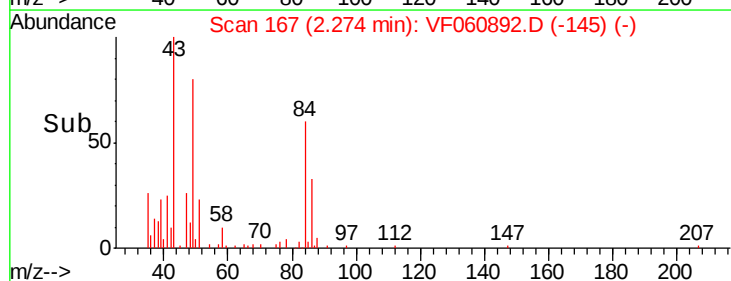
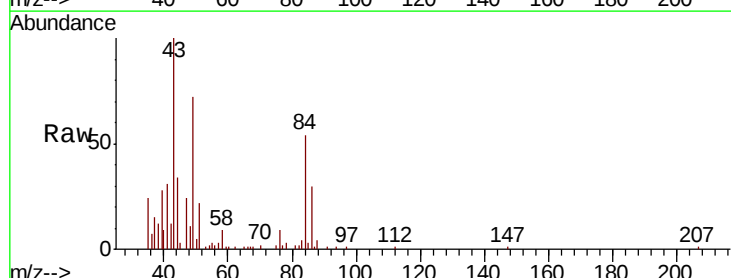
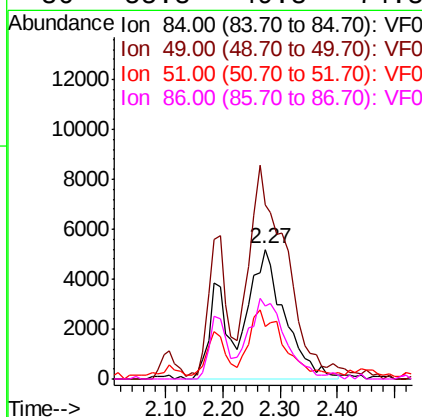
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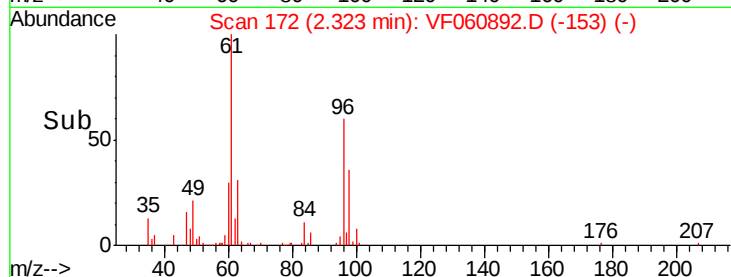
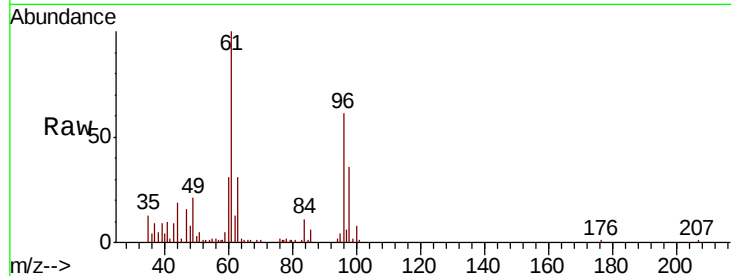
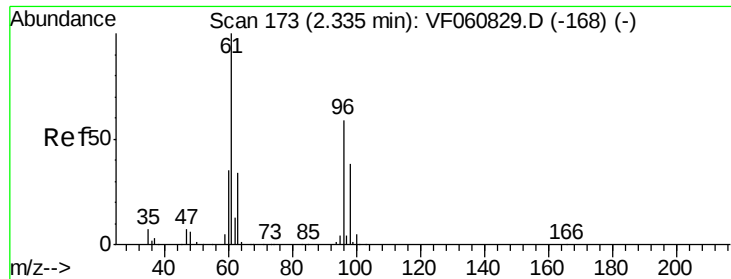
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#20
Methylene Chloride
Concen: 20.945 ug/l m
RT: 2.27 min Scan# 167
Delta R.T. 0.02 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.2	111.3	166.9
51	40.7	38.0	57.0
86	55.8	49.8	74.8





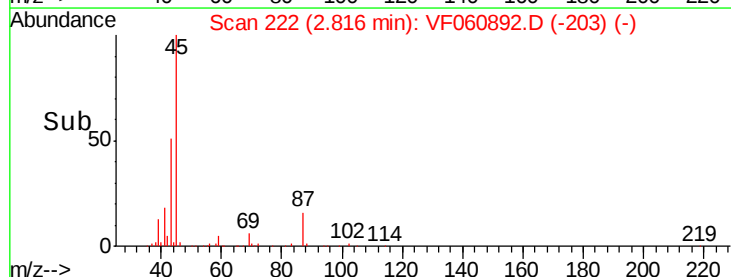
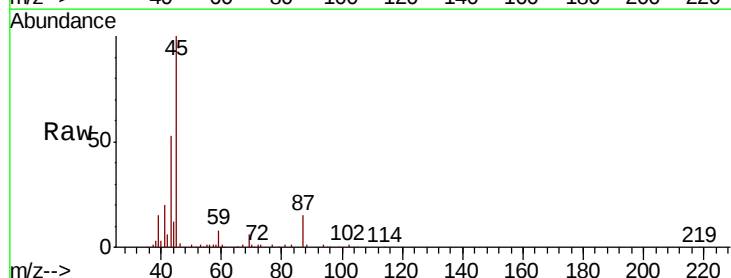
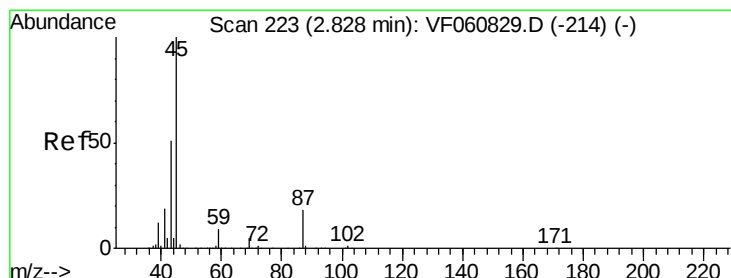
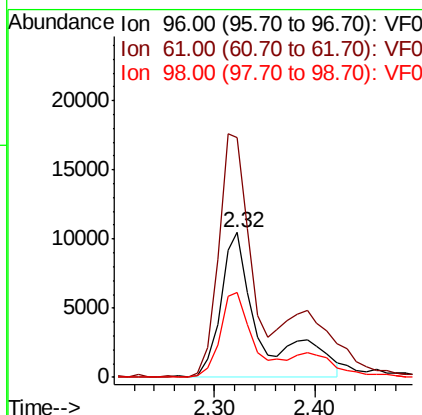
#21
trans-1,2-Dichloroethene
Concen: 21.013 ug/l m
RT: 2.32 min Scan# 172
Delta R.T. -0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	29406		
61	61	165.2		134.5	201.7
98	98	59.0		51.6	77.4

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

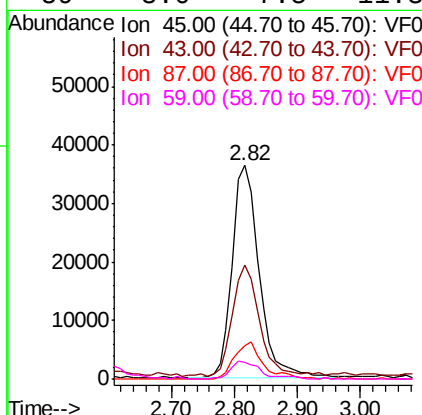
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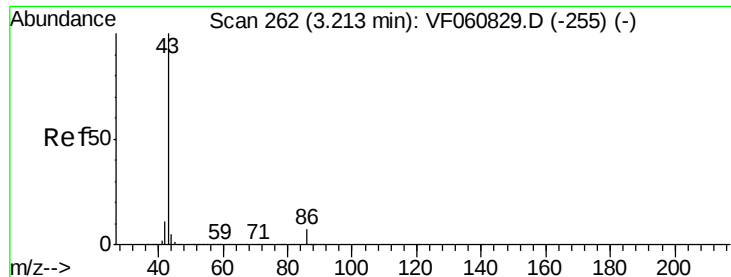
apatel
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#22
Diisopropyl ether
Concen: 21.702 ug/l
RT: 2.82 min Scan# 222
Delta R.T. -0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
45	45	100	106875		
43	43	53.3		41.0	61.6
87	87	15.4		14.6	22.0
59	59	8.0		7.5	11.3





#23

Vinyl Acetate

Concen: 115.982 ug/l

RT: 3.20 min Scan# 261

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion: 43 Resp: 261089

Ion Ratio Lower Upper

43 100

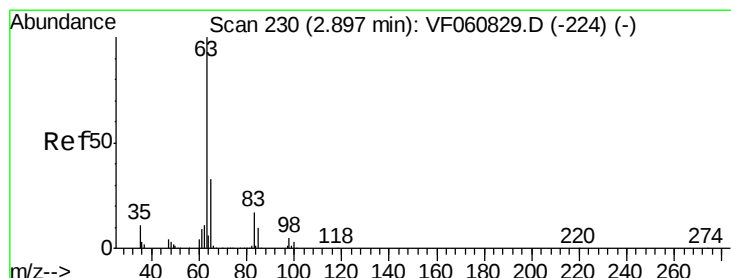
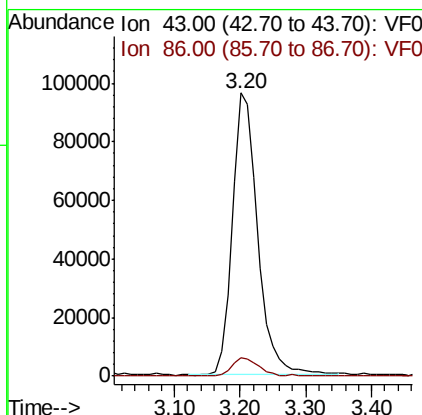
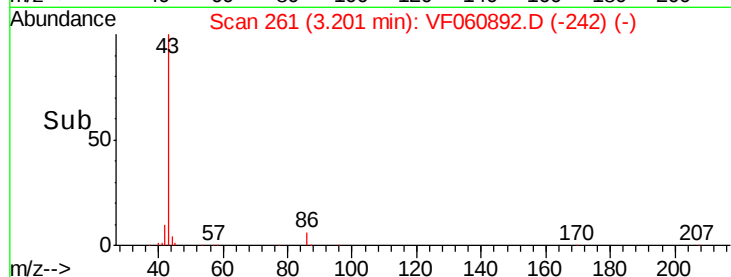
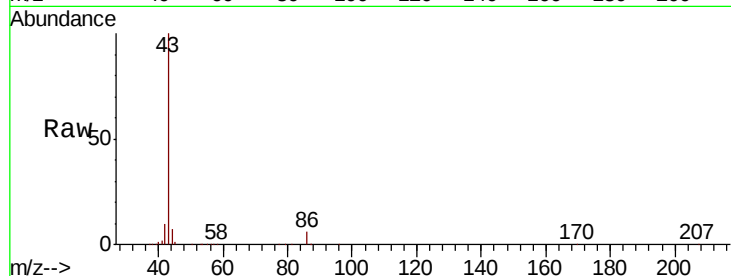
86 6.3 5.4 8.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 22.561 ug/l

RT: 2.89 min Scan# 229

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

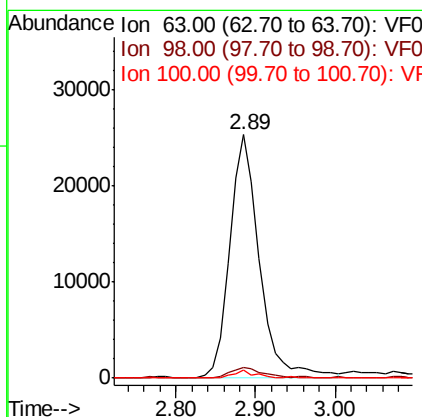
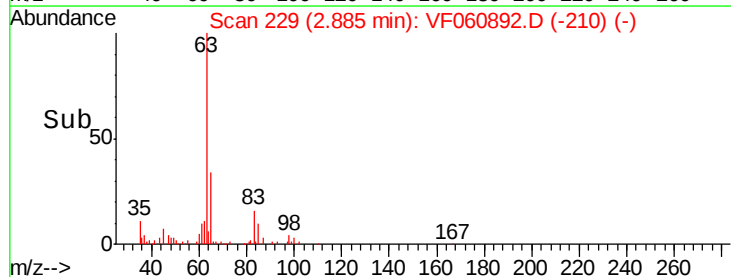
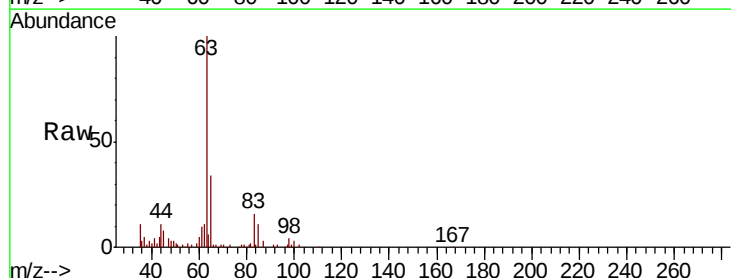
Tgt Ion: 63 Resp: 66105

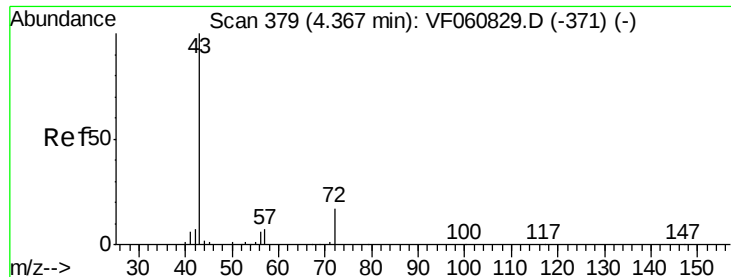
Ion Ratio Lower Upper

63 100

98 4.4 2.7 8.1

100 3.4 1.5 4.5





#25

2-Butanone

Concen: 118.070 ug/l

RT: 4.36 min Scan# 379

Delta R.T. -0.00 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion: 43 Resp: 81328

Ion Ratio Lower Upper

43 100

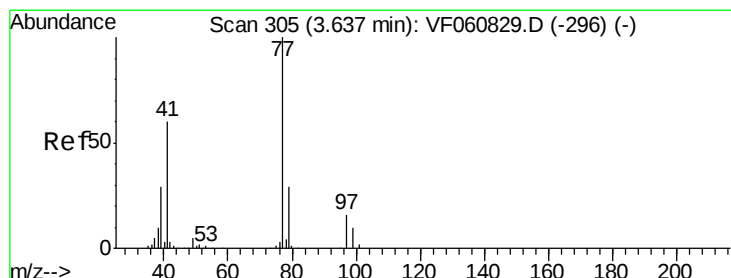
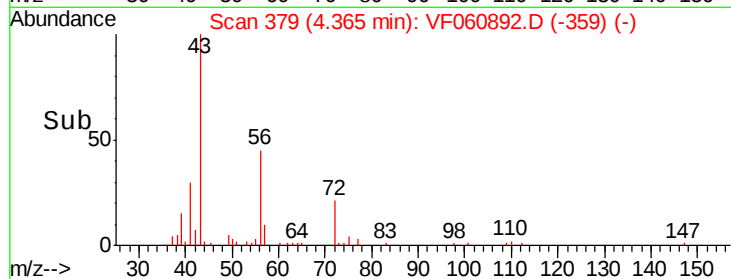
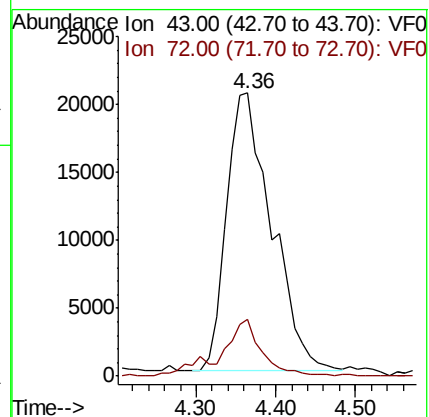
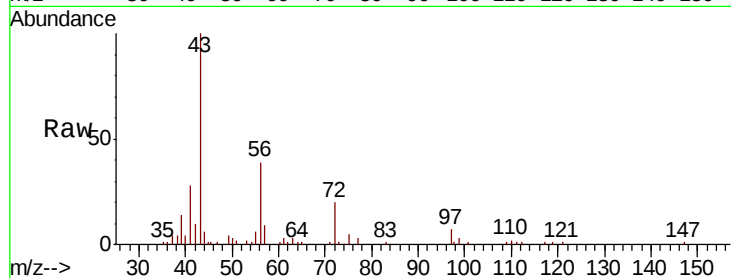
72 20.0 15.4 23.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.795 ug/l

RT: 3.62 min Scan# 303

Delta R.T. -0.02 min

Lab File: VF060892.D

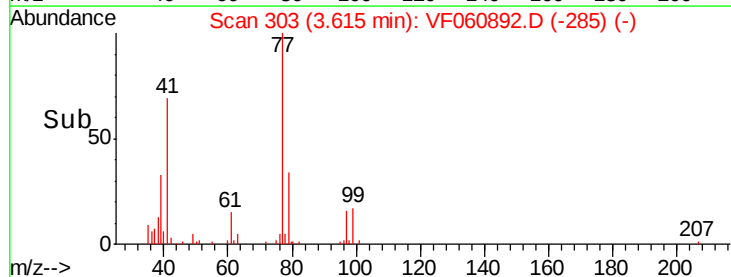
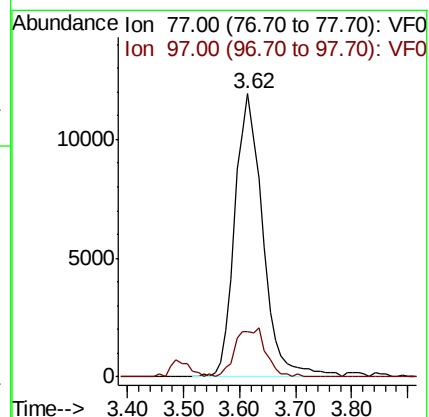
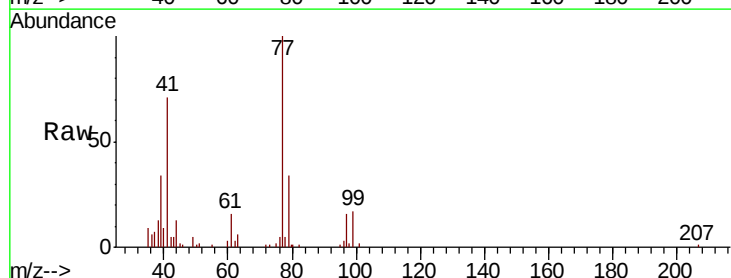
Acq: 3 Dec 2018 15:33

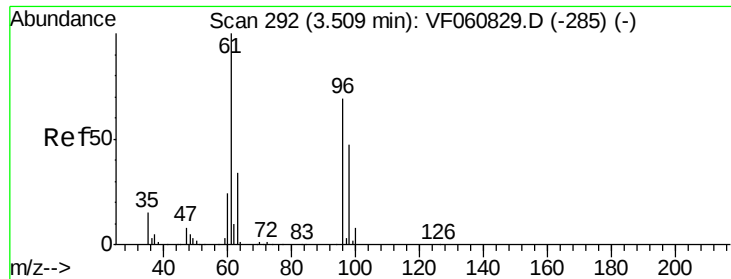
Tgt Ion: 77 Resp: 41400

Ion Ratio Lower Upper

77 100

97 15.8 8.6 25.8





#27

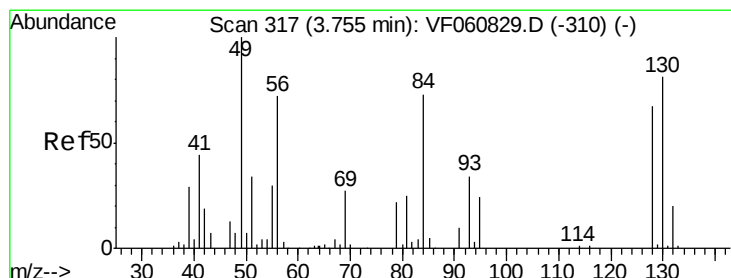
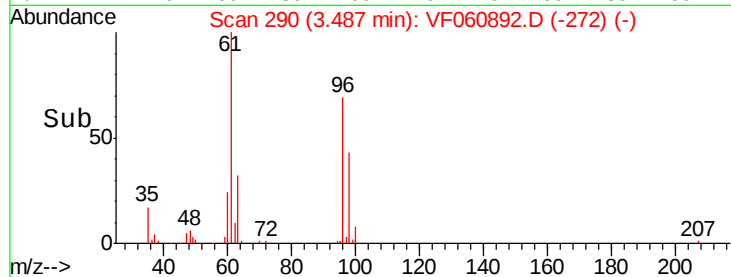
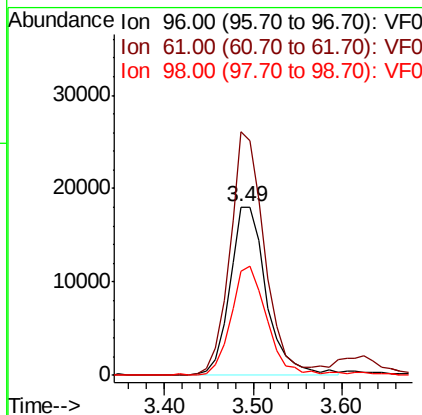
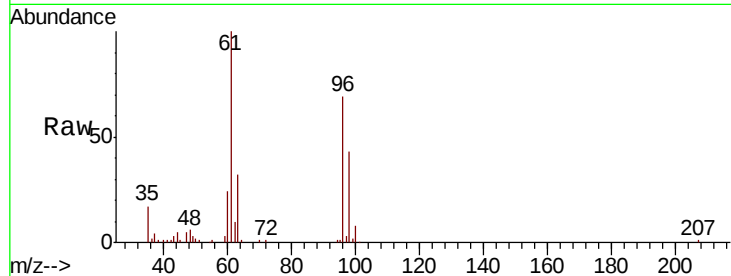
cis-1,2-Dichloroethene
Concen: 22.746 ug/l
RT: 3.49 min Scan# 290
Delta R.T. -0.02 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	51820		
61	144.4	0.0	290.6	
98	61.5	0.0	137.8	

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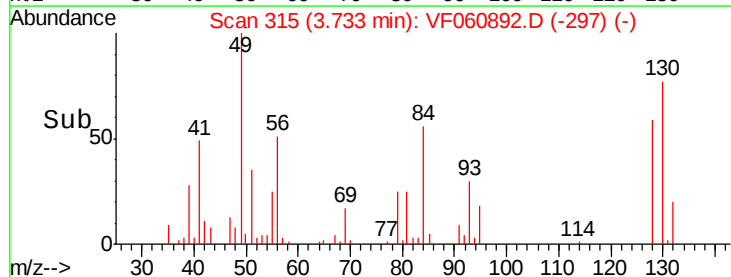
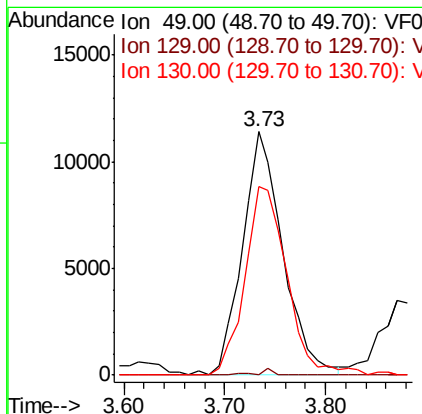
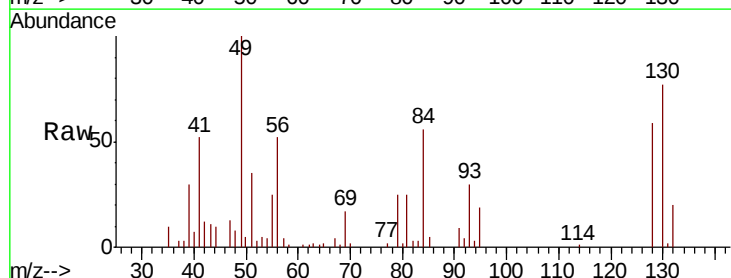
apatel
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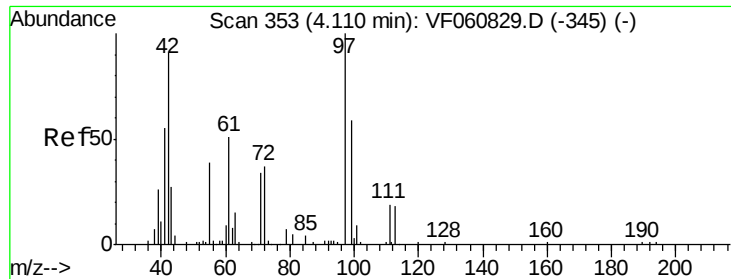


#28

Bromochloromethane
Concen: 22.637 ug/l
RT: 3.73 min Scan# 315
Delta R.T. -0.02 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	31831		
129	0.0	0.0	4.4	
130	77.5	64.2	96.4	





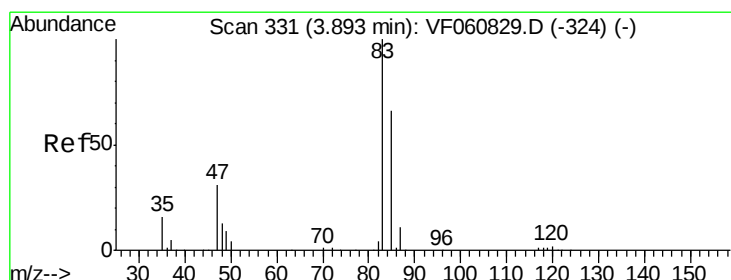
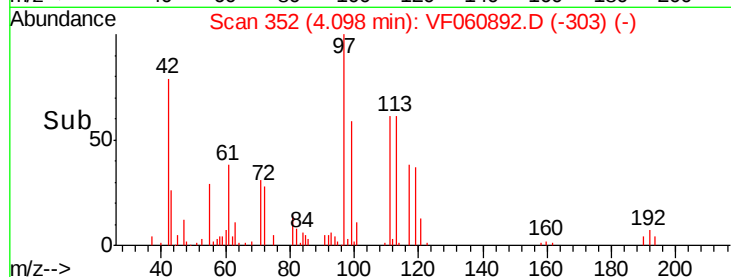
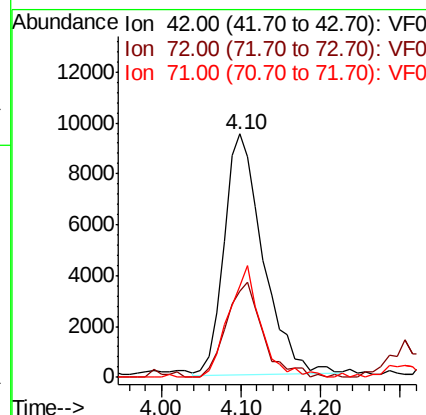
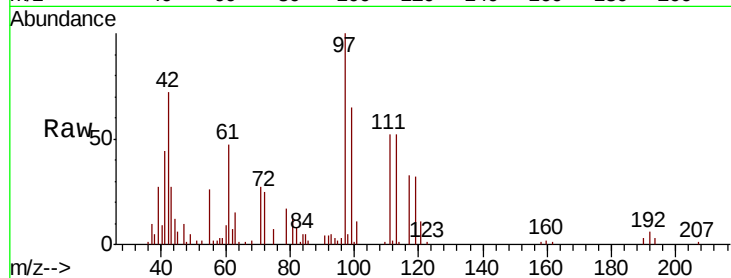
#29
Tetrahydrofuran
Concen: 110.553 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.9	31.9	47.9
71	38.6	28.7	43.1

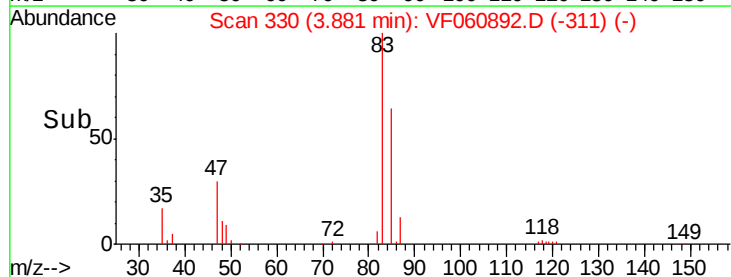
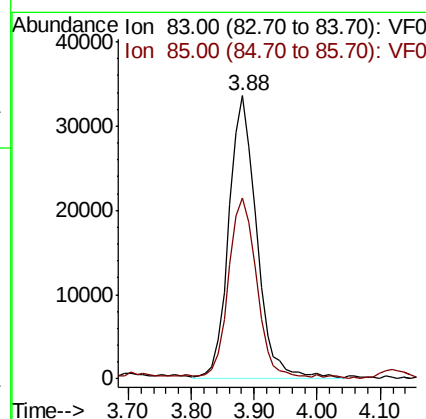
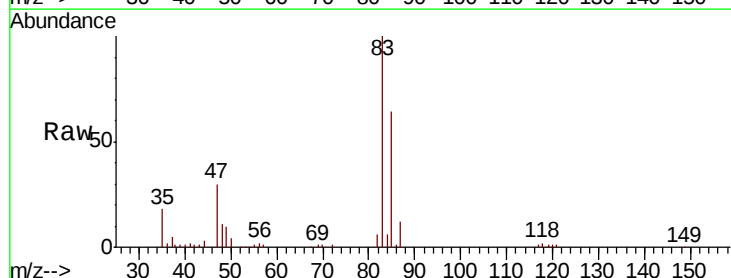
Manual Integrations
APPROVED

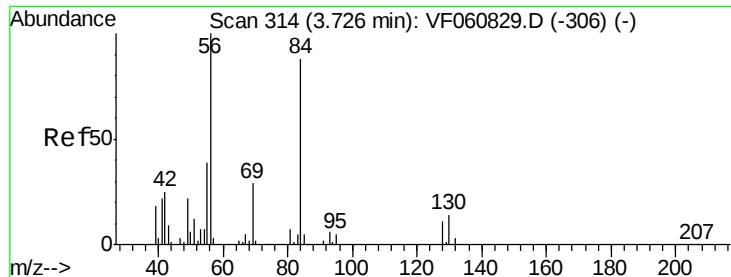
apatel
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#30
Chloroform
Concen: 22.471 ug/l
RT: 3.88 min Scan# 330
Delta R.T. -0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	53.4	80.2





#31

Cyclohexane

Concen: 22.560 ug/l m

RT: 3.70 min Scan# 312

Delta R.T. -0.02 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

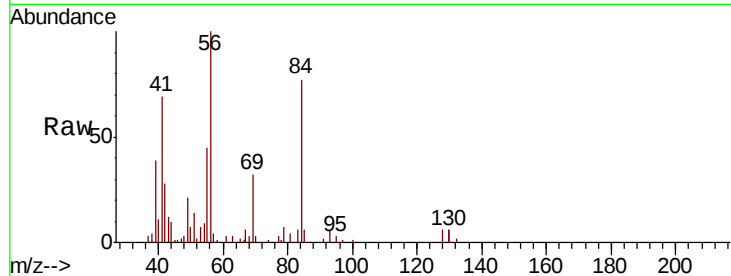
ClientSampleId :

VF1203SBS01

Tot Ion:	56	Resp:	68601
Ion	Ratio	Lower	Upper
56	100		
69	32.5	23.0	34.4
84	77.3	70.4	105.6

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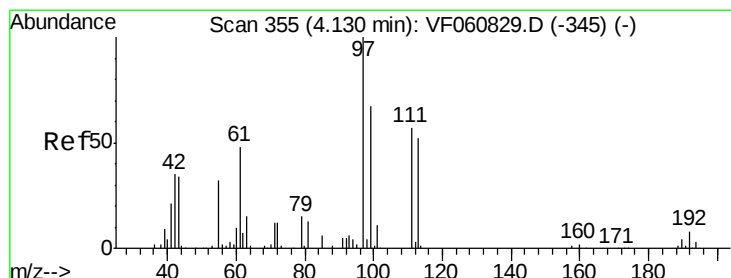
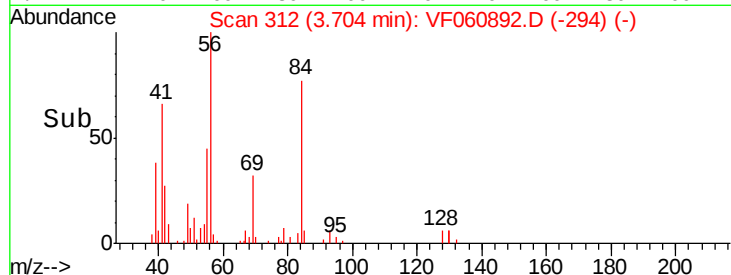
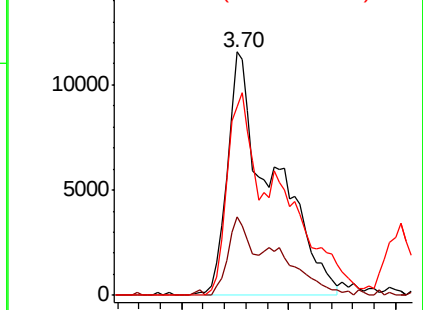


Abundance

Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 19.243 ug/l

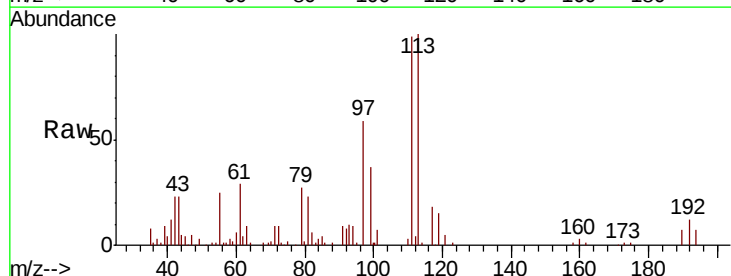
RT: 4.12 min Scan# 354

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Tgt Ion:	97	Resp:	60179
Ion	Ratio	Lower	Upper
97	100		
99	62.8	53.5	80.3
61	48.8	38.6	58.0

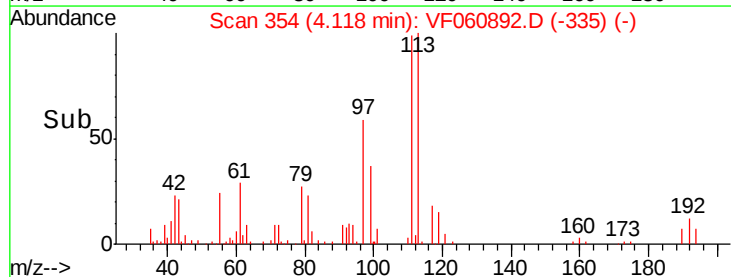
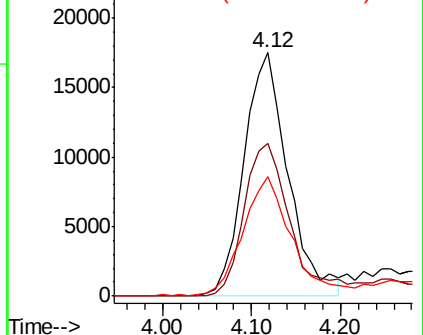


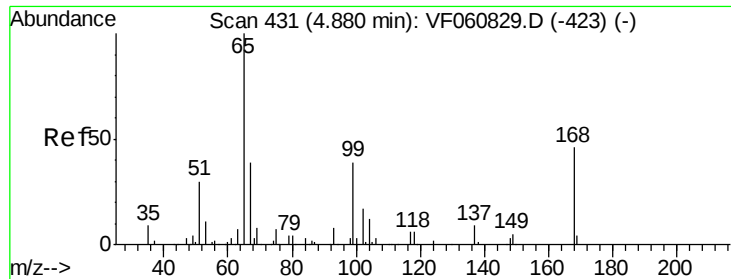
Abundance

Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 55.259 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Tot Ion: 65 Resp: 119336

Ion Ratio Lower Upper

65 100

67 52.8 0.0 96.4

Instrument :

MSVOA_F

ClientSampleId :

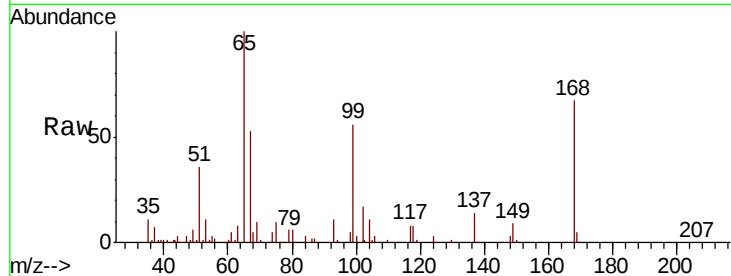
VF1203SBS01

Manual Integrations

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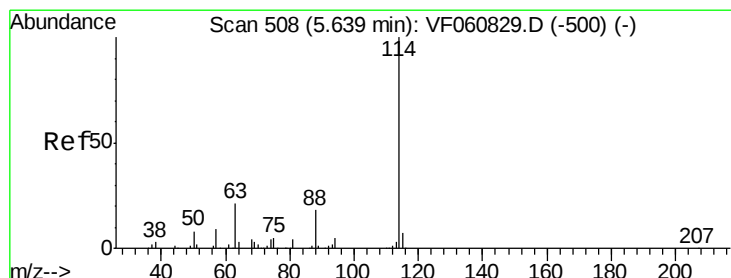
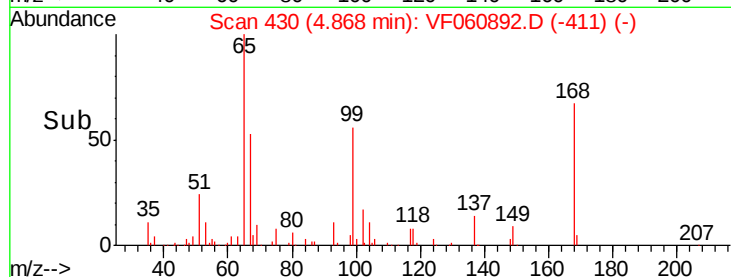
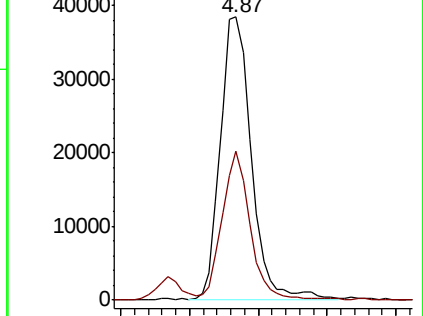
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 506

Delta R.T. -0.02 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

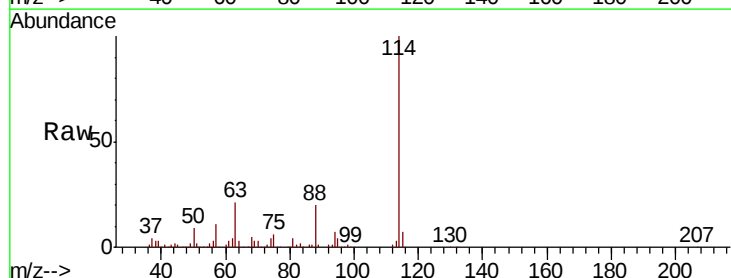
Tgt Ion: 114 Resp: 312572

Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.6

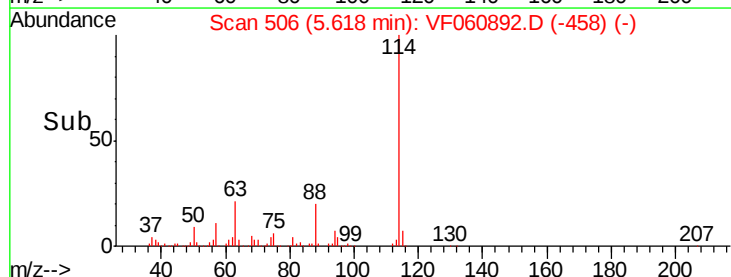
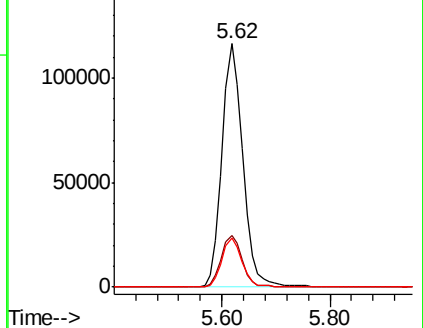
88 20.0 0.0 36.6

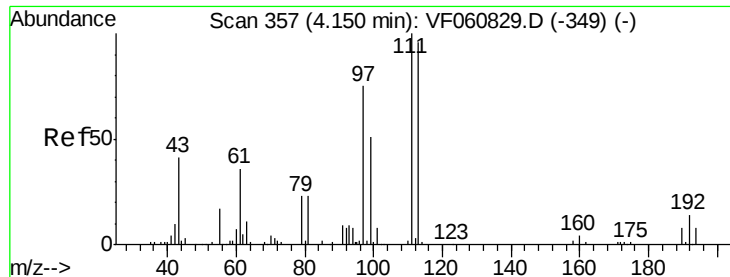


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 51.681 ug/l

RT: 4.14 min Scan# 356

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

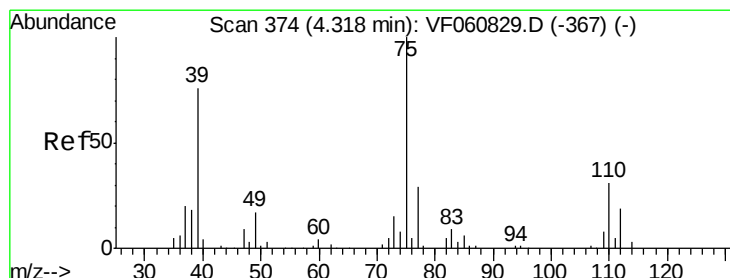
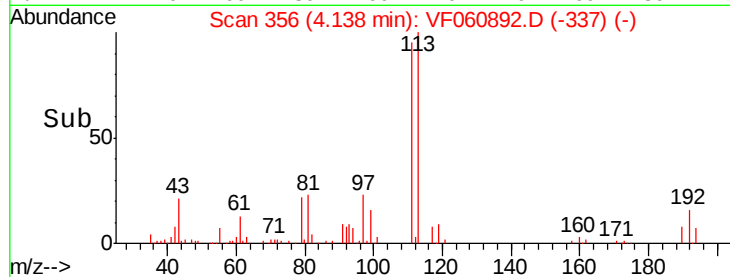
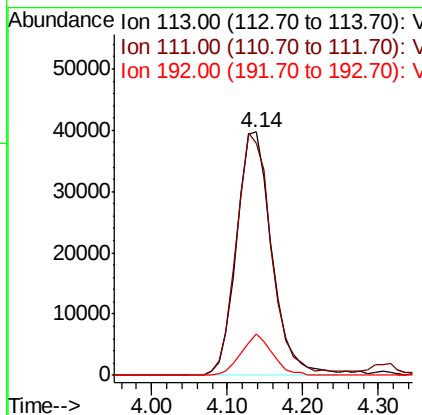
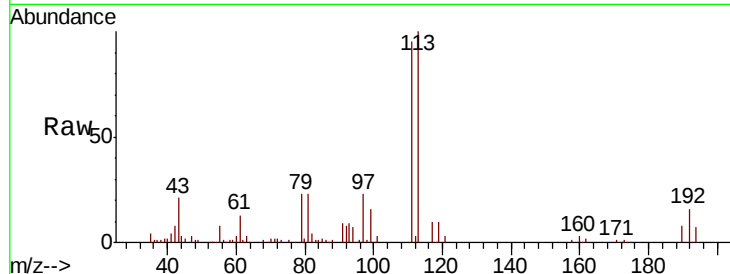
ClientSampleId :

VF1203SBS01

Tot Ion:	113	Resp:	128153
Ion Ratio	Lower	Upper	
113	100		
111	95.3	83.0	124.6
192	16.8	12.3	18.5

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#36

1,1-Dichloropropene

Concen: 22.385 ug/l

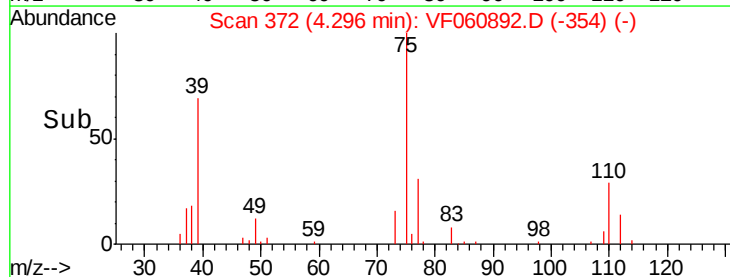
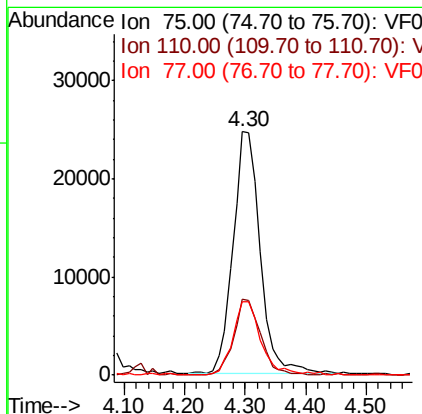
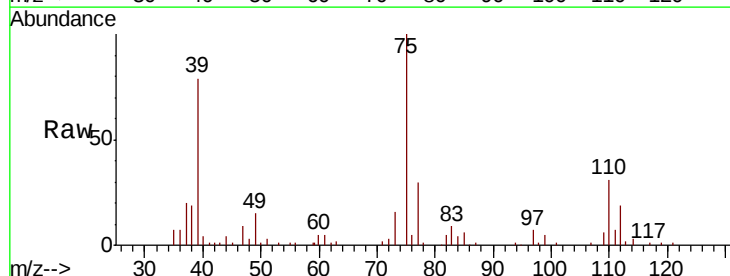
RT: 4.30 min Scan# 372

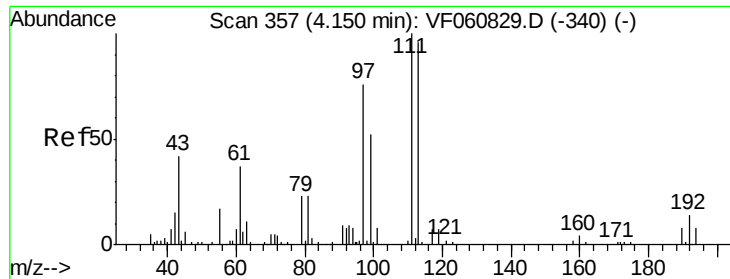
Delta R.T. -0.02 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Tgt Ion:	75	Resp:	77606
Ion Ratio	Lower	Upper	
75	100		
110	31.3	15.6	46.8
77	30.3	23.4	35.0





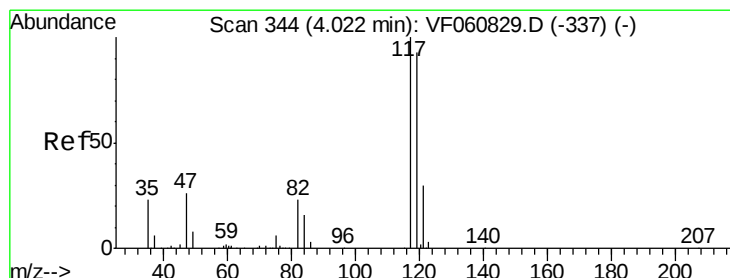
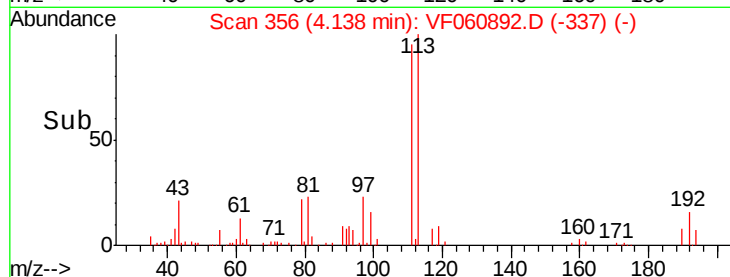
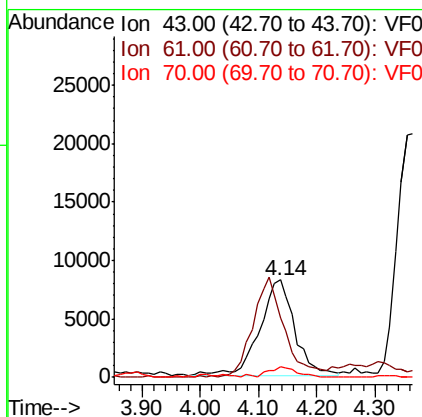
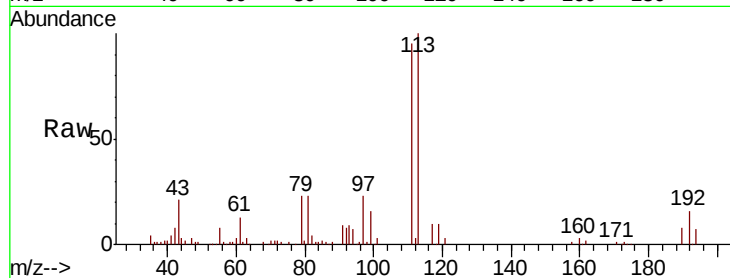
#37
Ethyl Acetate
Concen: 24.239 ug/l
RT: 4.14 min Scan# 356
Delta R.T. -0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	60.5	68.6	103.0#	
70	11.5	9.0	13.4	

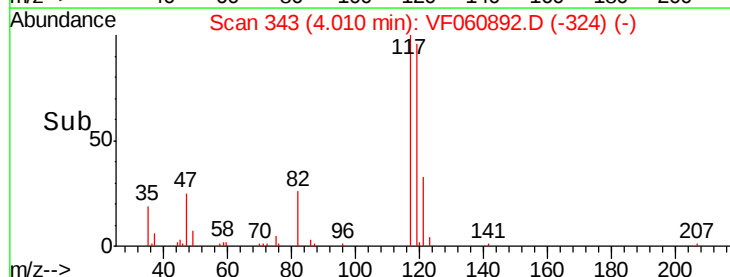
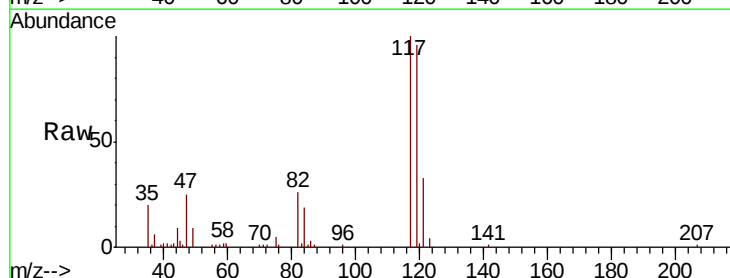
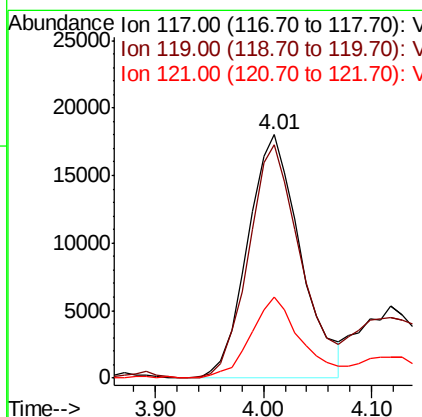
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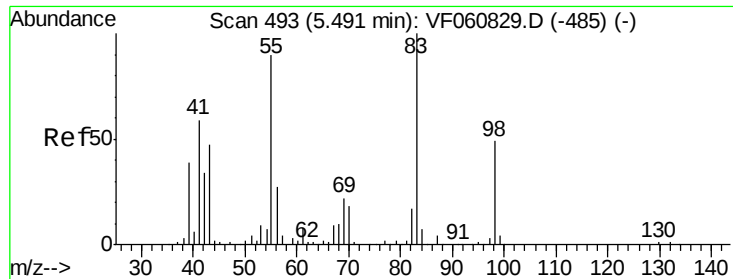
apatel
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#38
Carbon Tetrachloride
Concen: 20.103 ug/l
RT: 4.01 min Scan# 343
Delta R.T. -0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	96.0	74.4	111.6	
121	33.1	23.5	35.3	





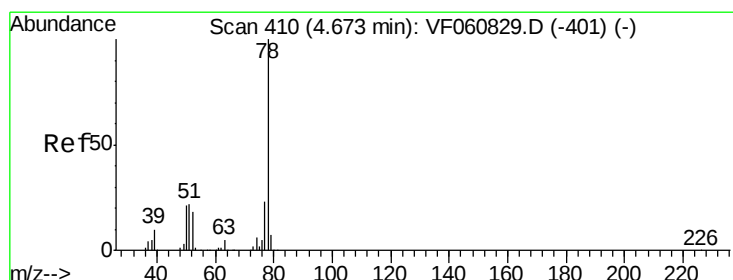
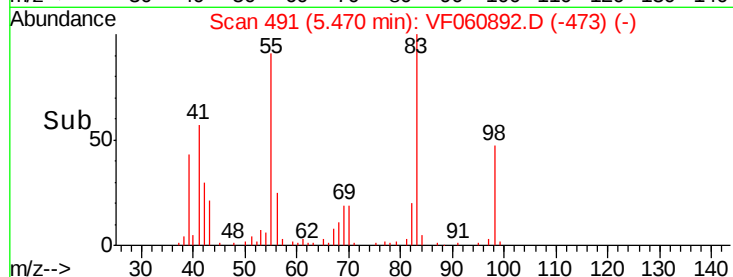
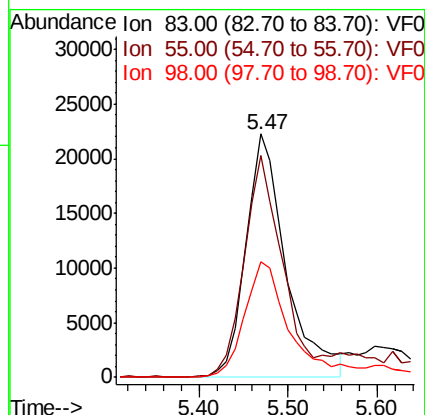
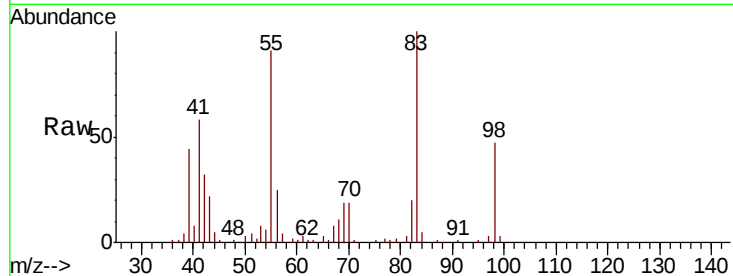
#39
Methvlcvclohexane
Concen: 19.183 ug/l
RT: 5.47 min Scan# 491
Delta R.T. -0.02 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.2	72.1	108.1
98	47.4	39.1	58.7

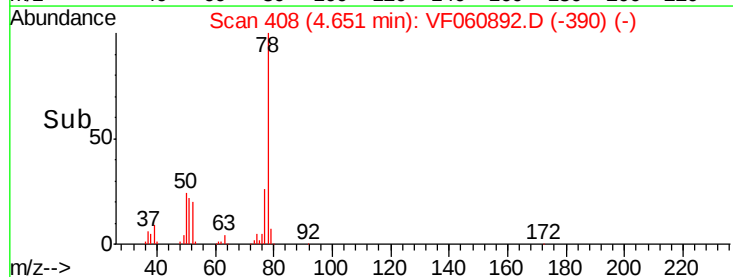
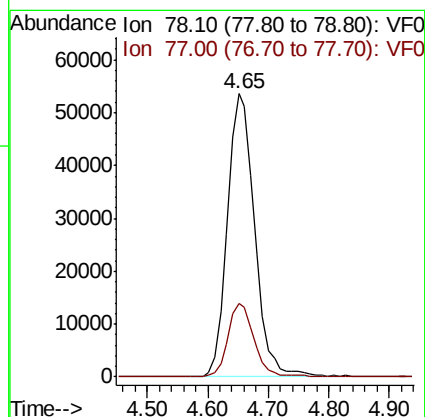
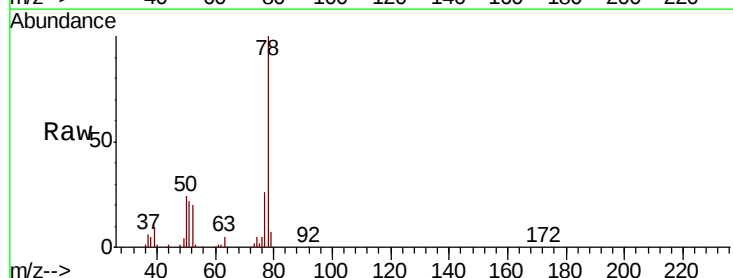
Manual Integrations
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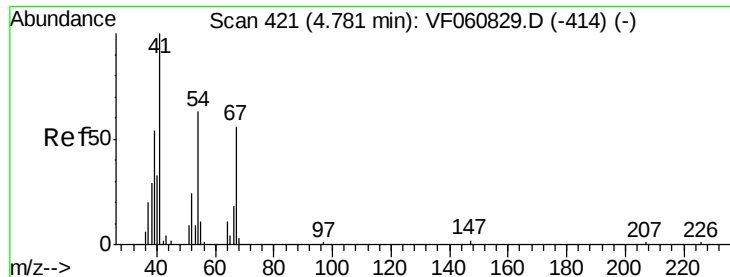
apatel
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#40
Benzene
Concen: 21.910 ug/l
RT: 4.65 min Scan# 408
Delta R.T. -0.02 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.0	18.7	28.1





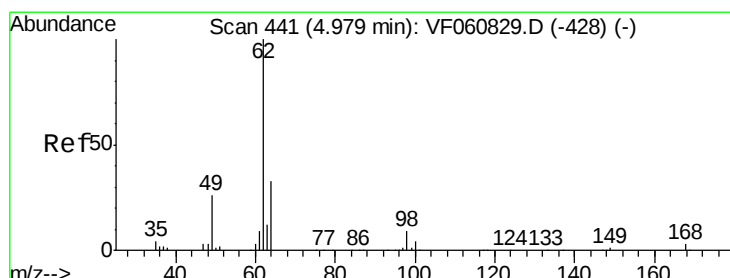
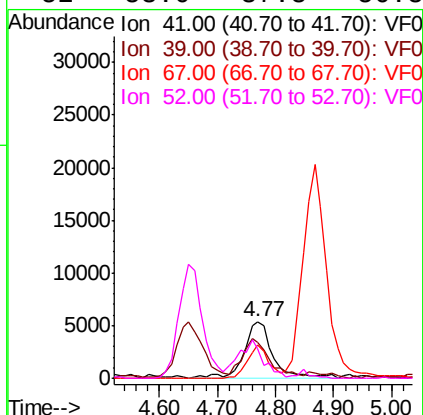
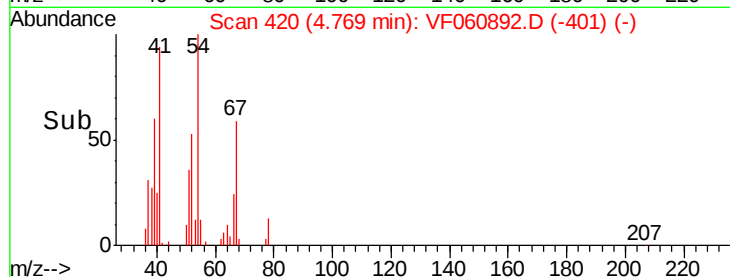
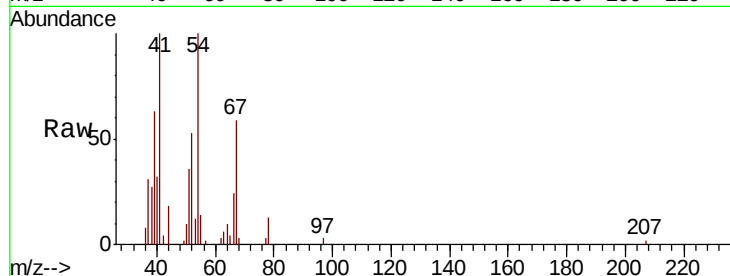
#41
Methacrylonitrile
Concen: 23.469 ug/l
RT: 4.77 min Scan# 420
Delta R.T. -0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.1	53.0	79.6
67	59.4	43.8	65.6
52	53.0	37.8	56.8

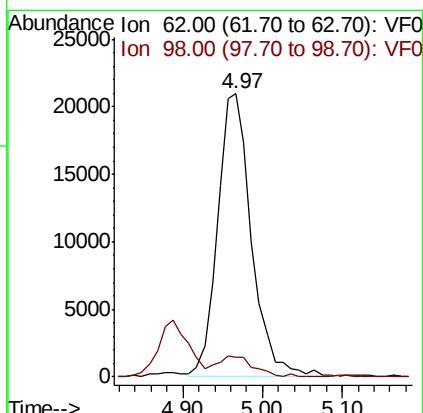
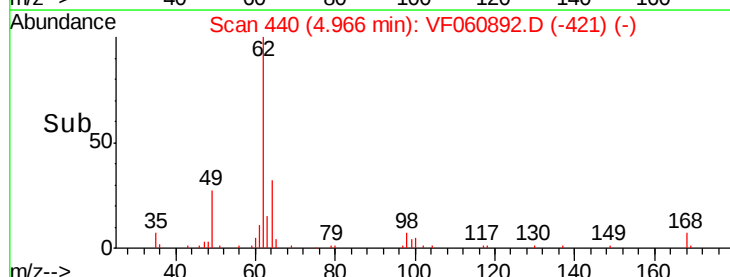
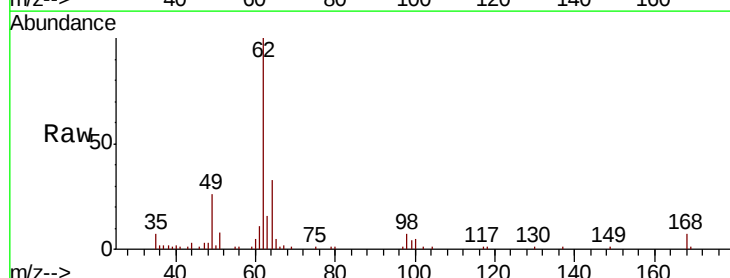
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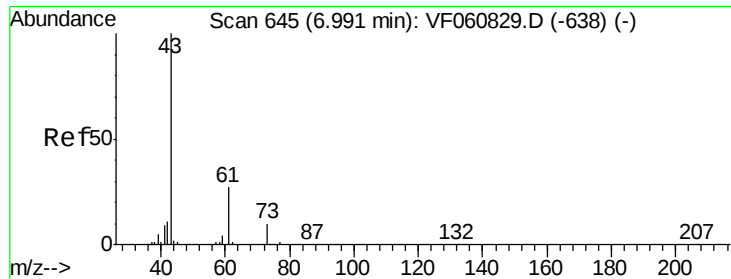
apatel
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#42
1,2-Dichloroethane
Concen: 22.426 ug/l
RT: 4.97 min Scan# 440
Delta R.T. -0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.0	0.0	17.2





#43

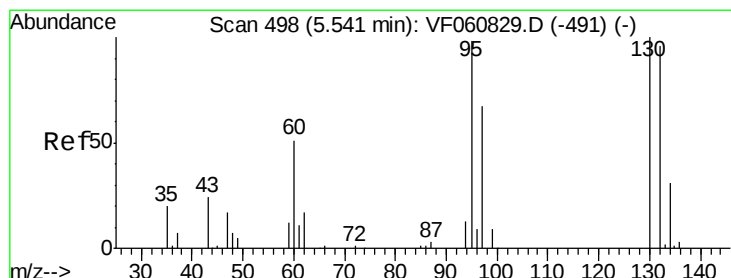
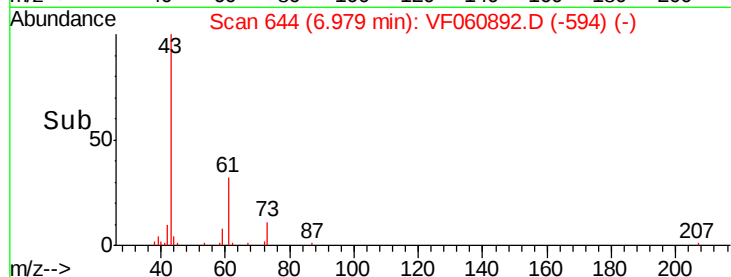
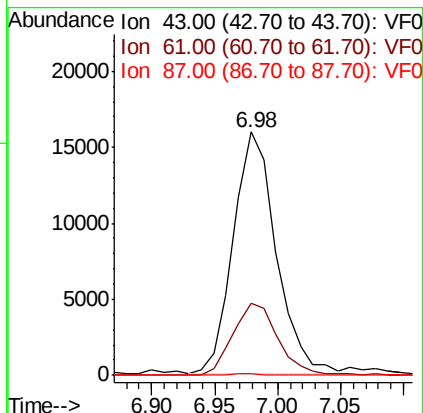
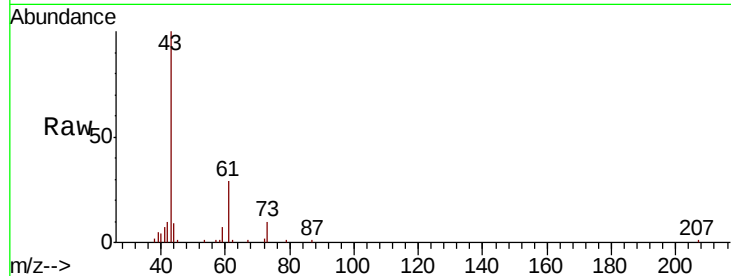
Isopropyl Acetate
 Concen: 19.783 ug/l
 RT: 6.98 min Scan# 644
 Delta R.T. -0.01 min
 Lab File: VF060892.D
 Acq: 3 Dec 2018 15:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.4	21.4	32.0
87	0.7	0.2	0.4

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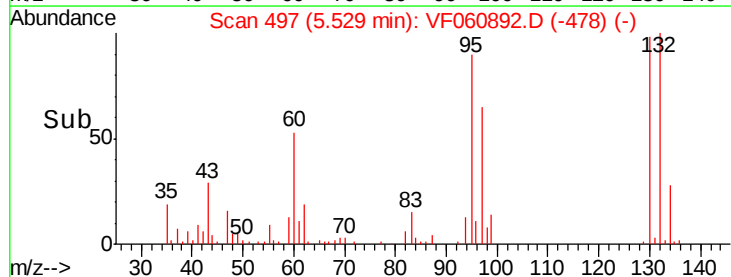
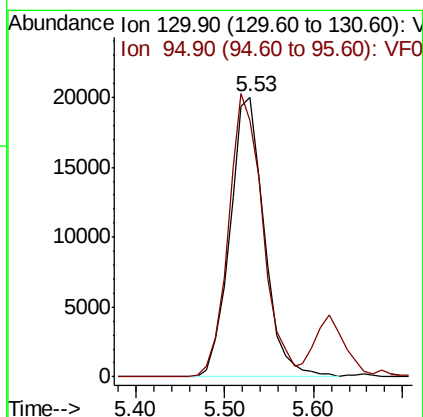
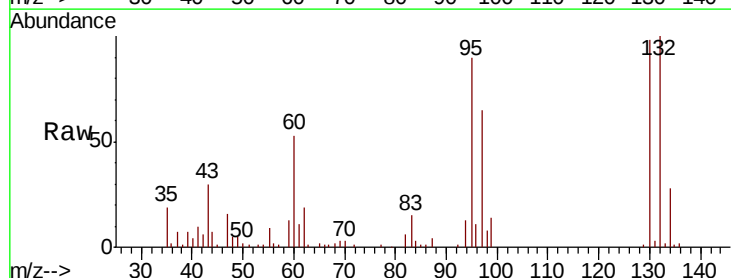
apatel
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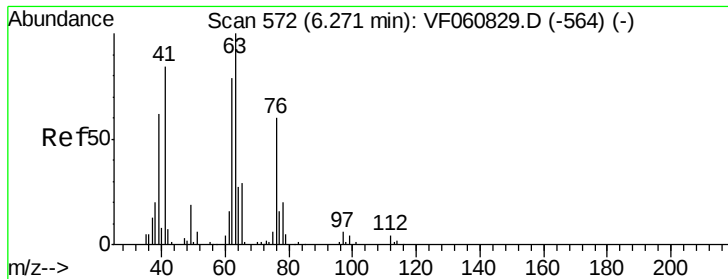


#44

Trichloroethene
 Concen: 21.448 ug/l
 RT: 5.53 min Scan# 497
 Delta R.T. -0.01 min
 Lab File: VF060892.D
 Acq: 3 Dec 2018 15:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.8	0.0	195.6





#45

1,2-Dichloropropane

Concen: 21.392 ug/l

RT: 6.26 min Scan# 571

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion: 63 Resp: 42553

Ion Ratio Lower Upper

63 100

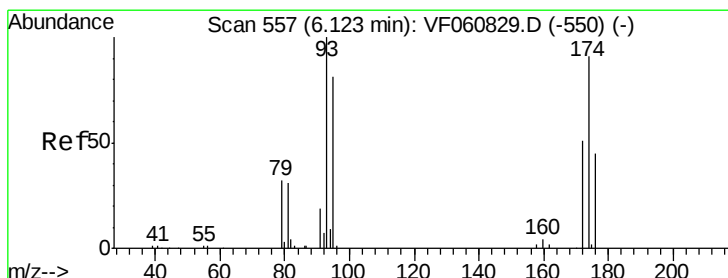
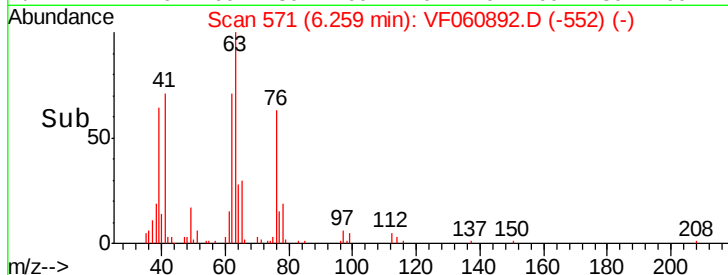
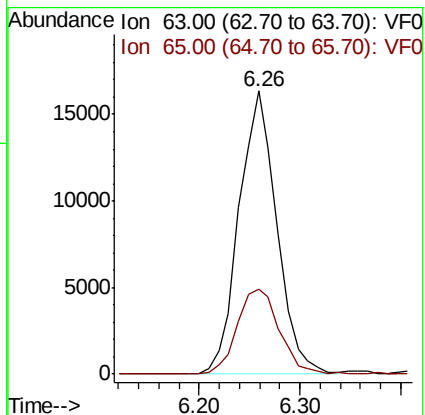
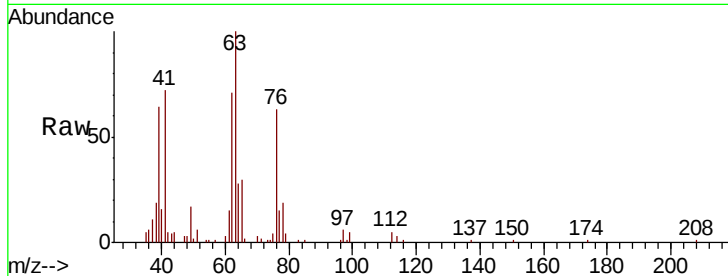
65 30.1 23.2 34.8

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#46

Dibromomethane

Concen: 22.377 ug/l

RT: 6.11 min Scan# 556

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

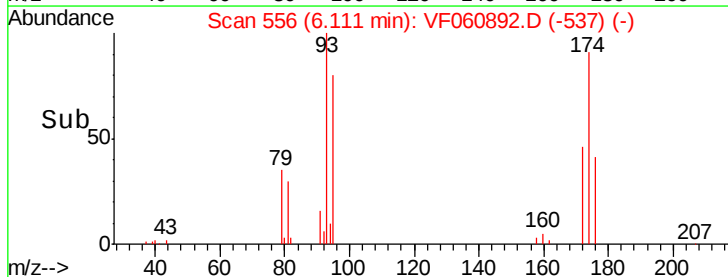
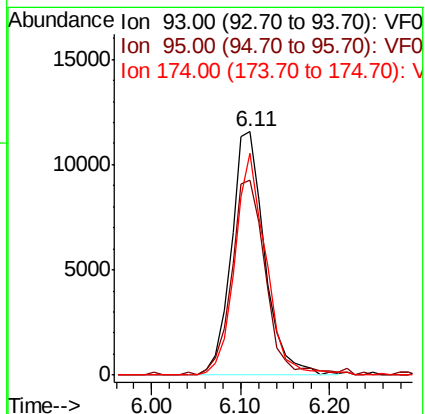
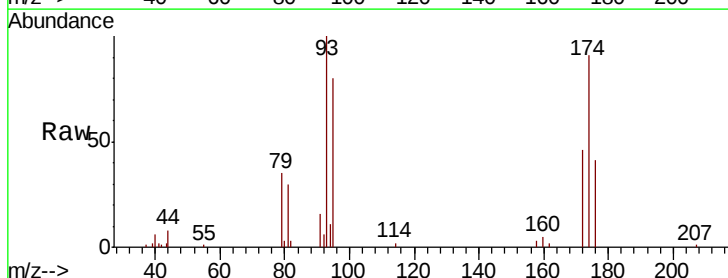
Tgt Ion: 93 Resp: 30196

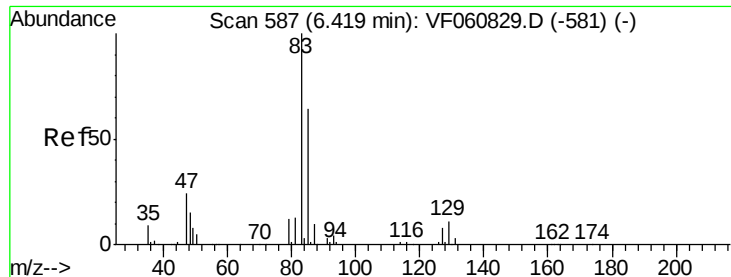
Ion Ratio Lower Upper

93 100

95 80.2 64.7 97.1

174 91.3 73.0 109.6





#47

Bromodichloromethane

Concen: 21.785 ug/l

RT: 6.41 min Scan# 586

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

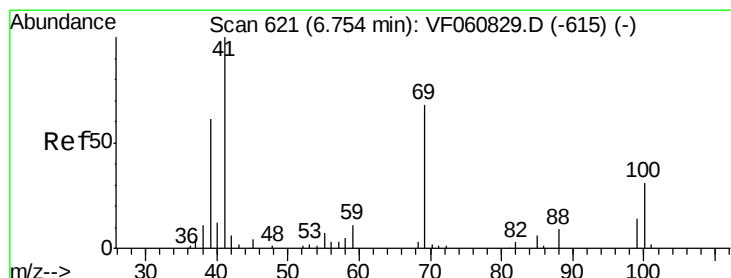
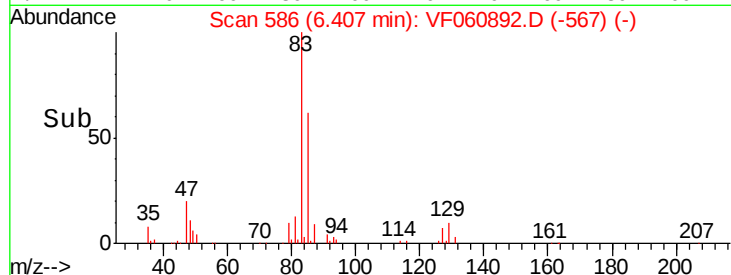
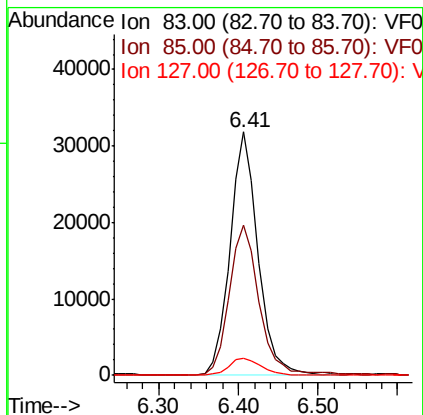
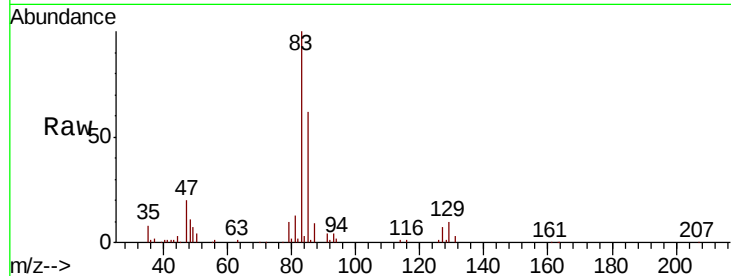
ClientSampleId :

VF1203SBS01

Tot Ion:	83	Resp:	78076
Ion	Ratio	Lower	Upper
83	100		
85	61.6	51.1	76.7
127	7.1	6.8	10.2

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#48

Methyl methacrylate

Concen: 20.387 ug/l

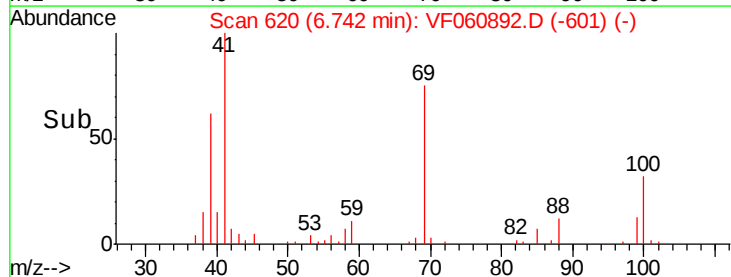
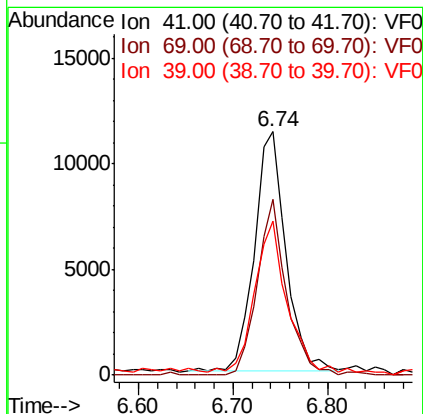
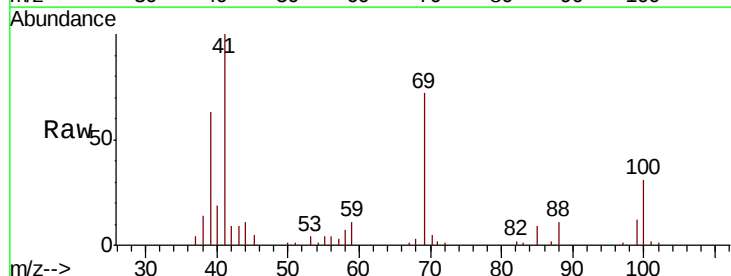
RT: 6.74 min Scan# 620

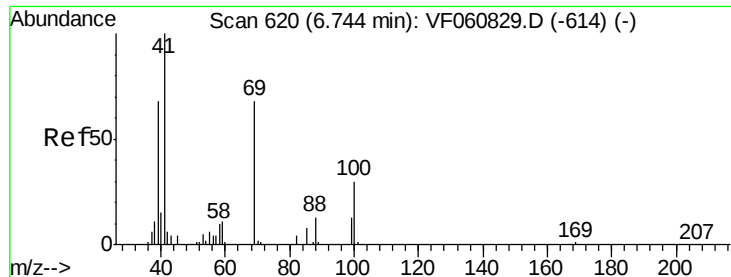
Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Tgt Ion:	41	Resp:	25999
Ion	Ratio	Lower	Upper
41	100		
69	72.3	53.9	80.9
39	63.3	49.0	73.6





#49

1,4-Dioxane

Concen: 526.284 ug/l

RT: 6.73 min Scan# 619

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

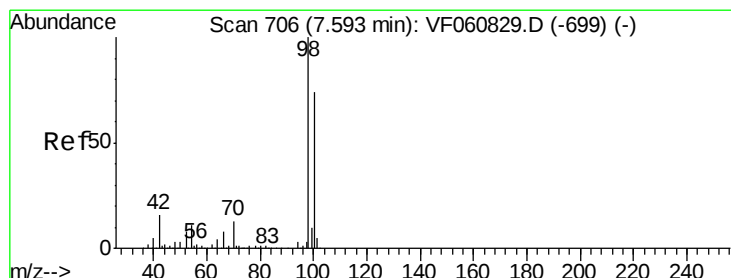
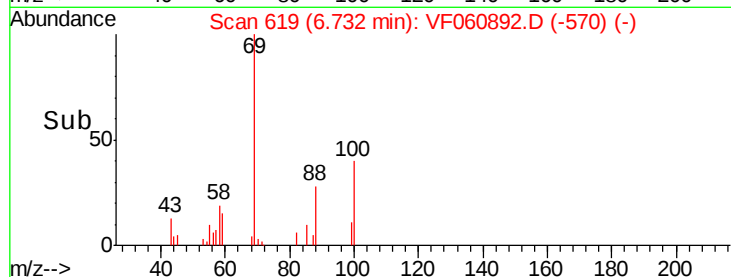
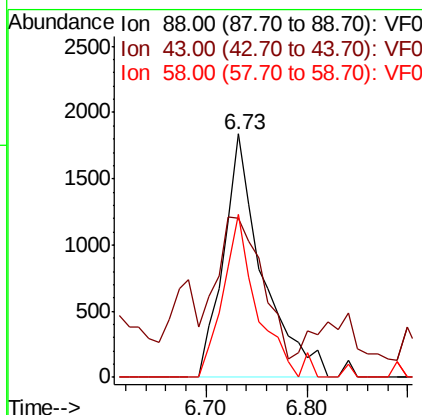
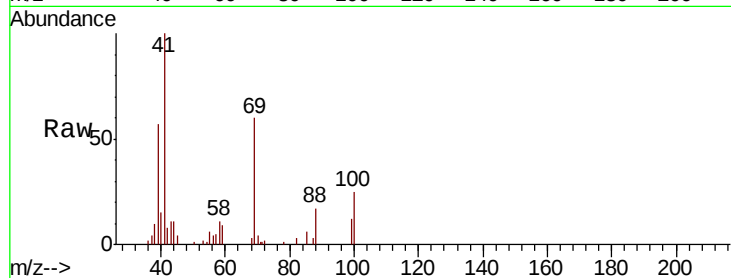
ClientSampleId :

VF1203SBS01

Tot Ion:	88	Resp:	4912
Ion	Ratio	Lower	Upper
88	100		
43	65.6	42.0	63.0#
58	67.2	61.8	92.8

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#50

Toluene-d8

Concen: 48.001 ug/l

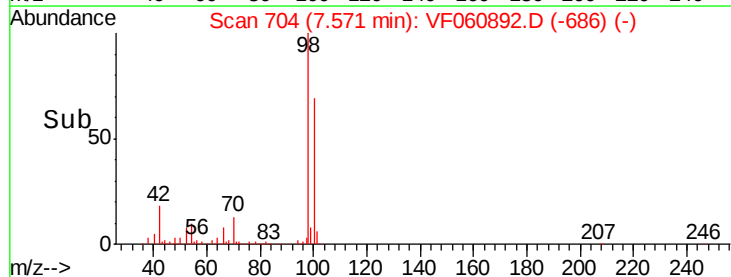
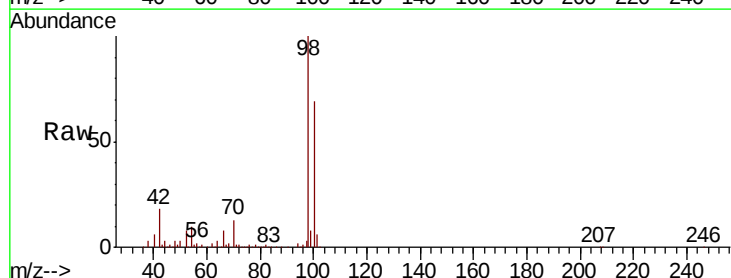
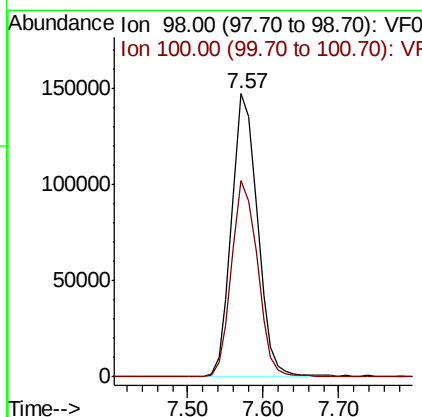
RT: 7.57 min Scan# 704

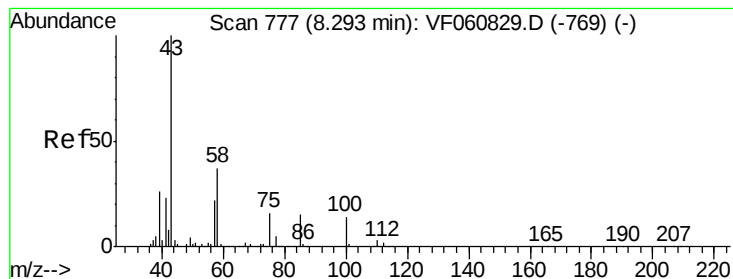
Delta R.T. -0.02 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Tgt Ion:	98	Resp:	350621
Ion	Ratio	Lower	Upper
98	100		
100	69.4	59.3	88.9





#51

4-Methyl-2-Pentanone

Concen: 107.460 ug/l

RT: 8.28 min Scan# 776

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion: 43 Resp: 139613

Ion Ratio Lower Upper

43 100

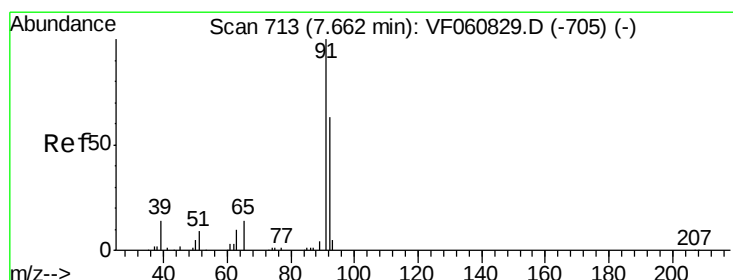
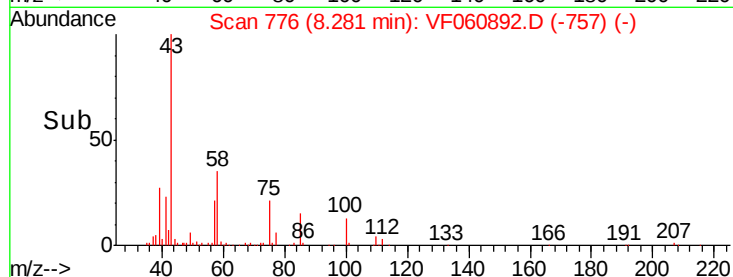
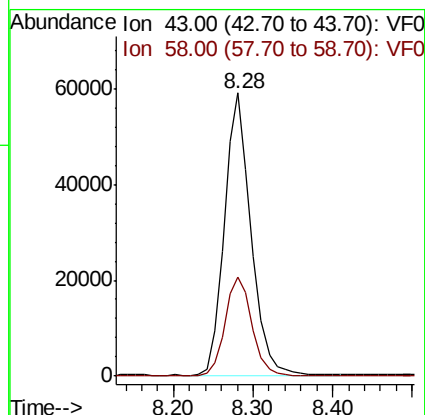
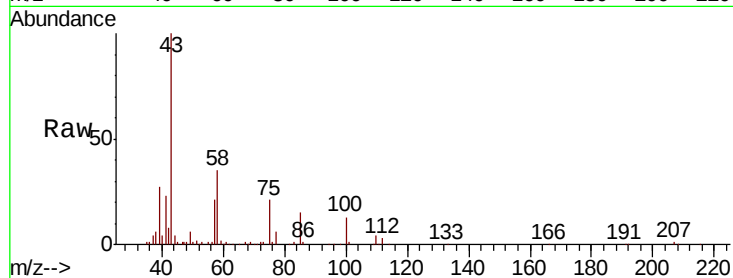
58 34.8 29.7 44.5

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#52

Toluene

Concen: 19.010 ug/l

RT: 7.65 min Scan# 712

Delta R.T. -0.01 min

Lab File: VF060892.D

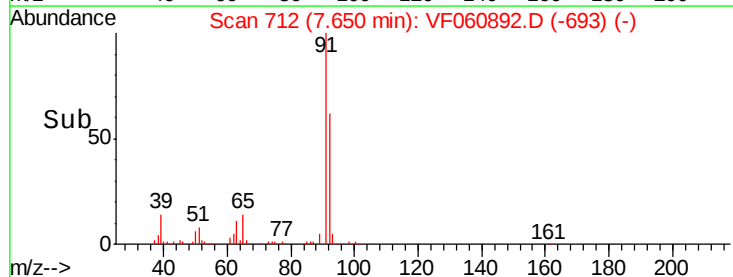
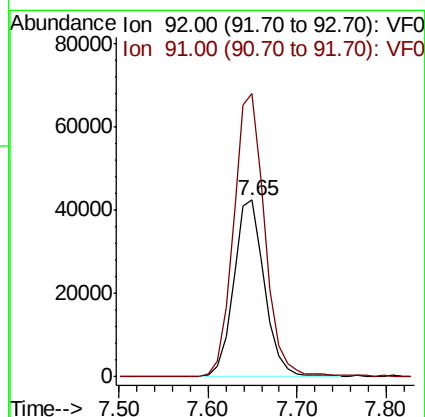
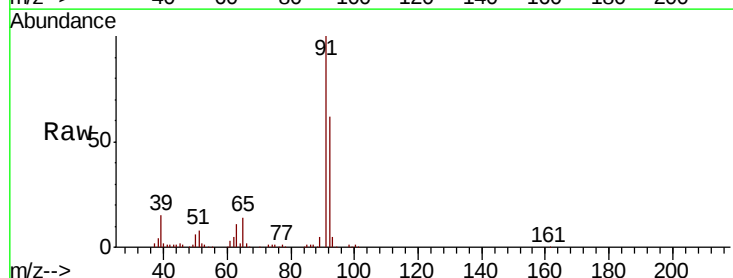
Acq: 3 Dec 2018 15:33

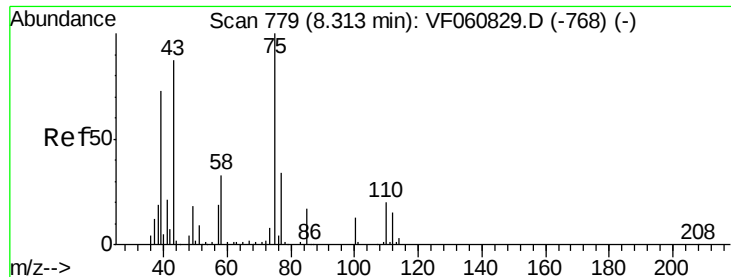
Tgt Ion: 92 Resp: 102275

Ion Ratio Lower Upper

92 100

91 160.1 126.2 189.2





#53

t-1,3-Dichloropropene

Concen: 22.179 ug/l

RT: 8.30 min Scan# 778

Delta R.T. -0.01 min

Lab File: VF060892.D

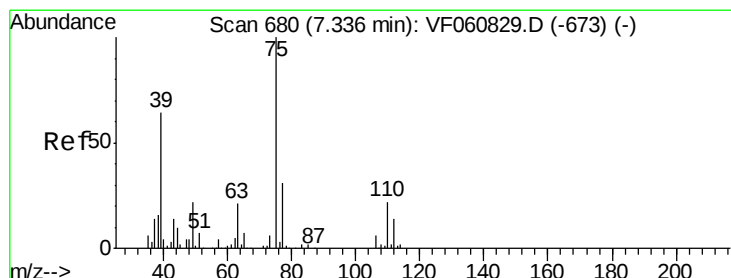
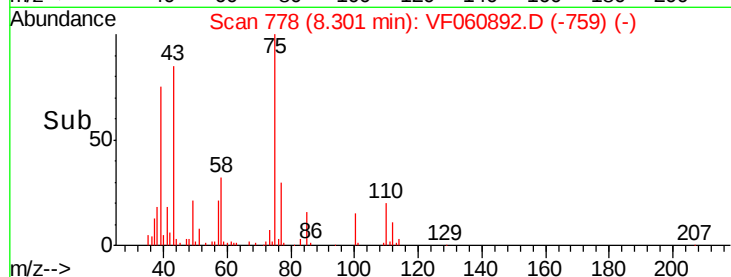
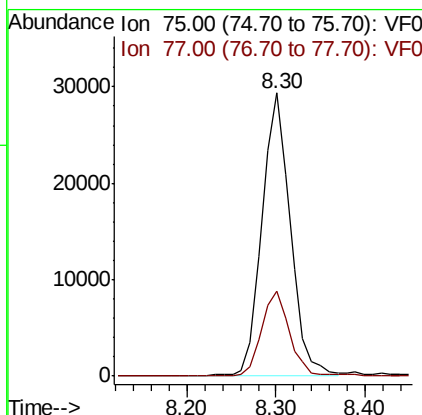
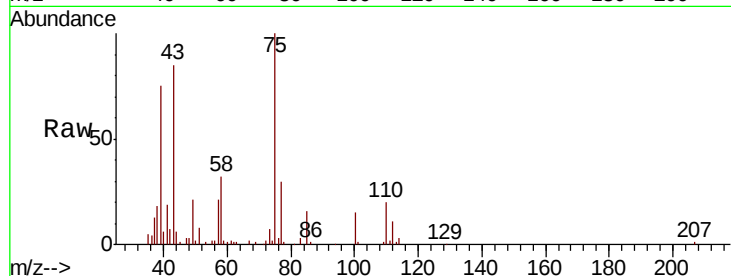
Acq: 3 Dec 2018 15:33

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.1	27.4	41.2

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

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#54

cis-1,3-Dichloropropene

Concen: 22.149 ug/l

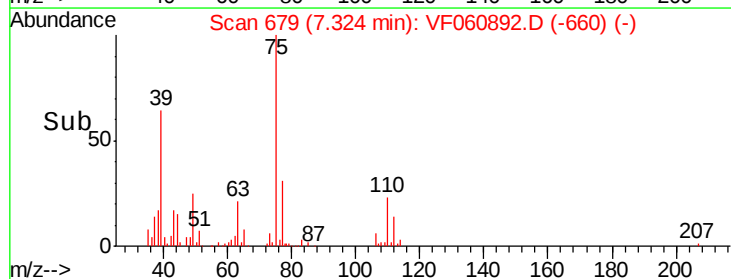
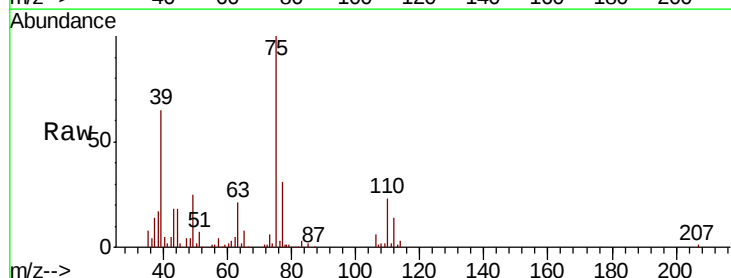
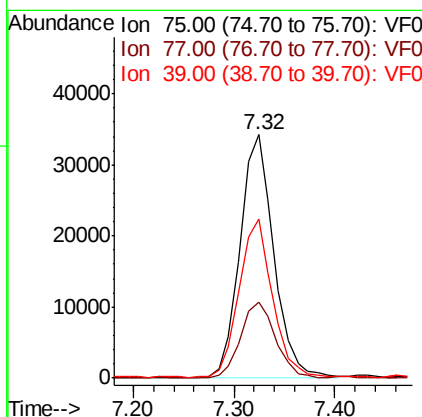
RT: 7.32 min Scan# 679

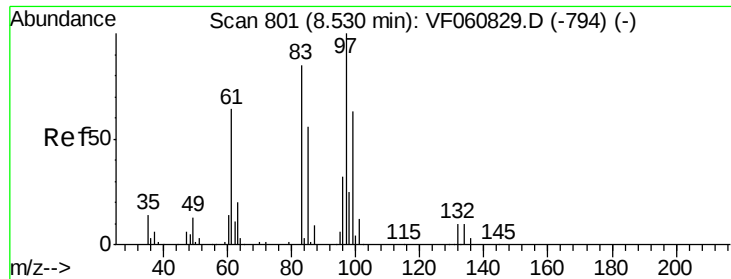
Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.6
39	65.4	51.1	76.7





#55

1,1,2-Trichloroethane

Concen: 21.251 ug/l

RT: 8.51 min Scan# 799

Delta R.T. -0.02 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

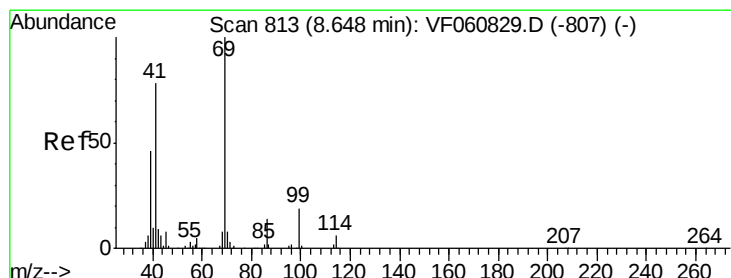
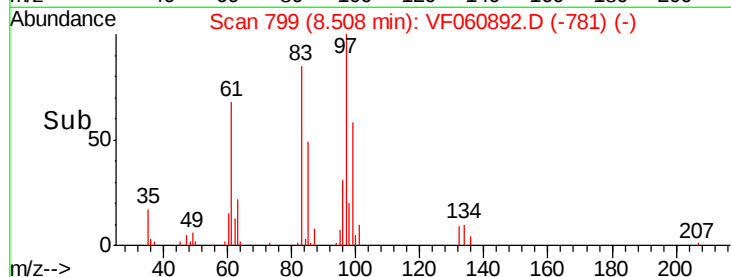
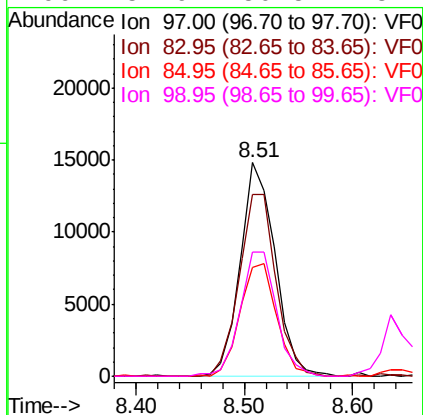
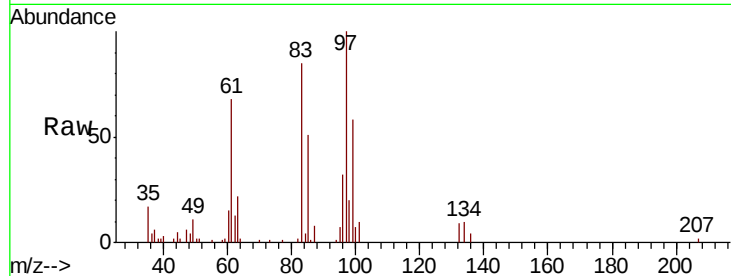
ClientSampleId :

VF1203SBS01

Tot Ion:	97	Resp:	33314
Ion	Ratio	Lower	Upper
97	100		
83	85.3	67.8	101.6
85	51.1	45.0	67.6
99	57.9	50.5	75.7

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#56

Ethyl methacrylate

Concen: 20.939 ug/l

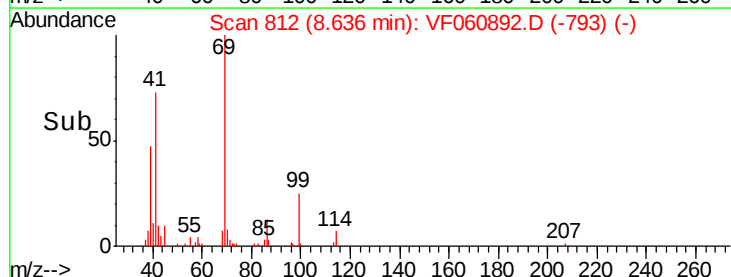
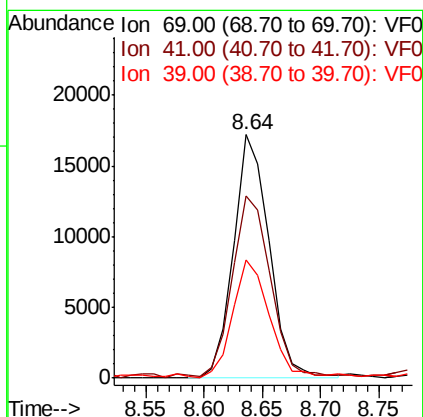
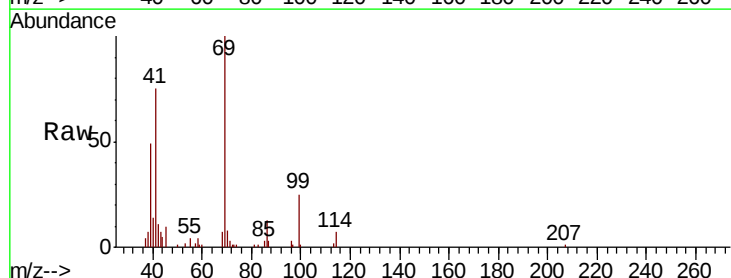
RT: 8.64 min Scan# 812

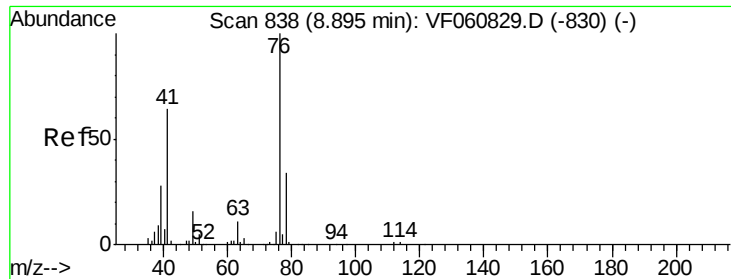
Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Tgt Ion:	69	Resp:	36465
Ion	Ratio	Lower	Upper
69	100		
41	74.9	62.6	94.0
39	48.6	37.8	56.6





#57

1,3-Dichloropropane

Concen: 21.371 ug/l

RT: 8.87 min Scan# 836

Delta R.T. -0.02 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion: 76 Resp: 58613

Ion Ratio Lower Upper

76 100

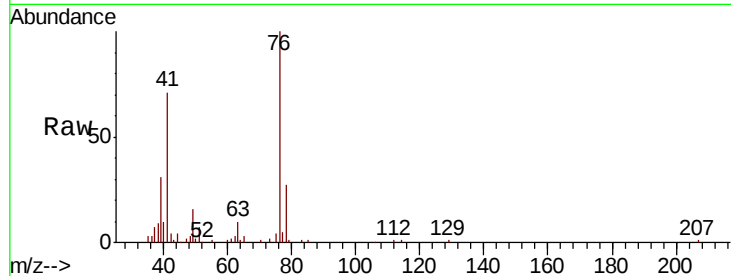
78 26.7 27.0 40.4#

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

8.87

25000

20000

15000

10000

5000

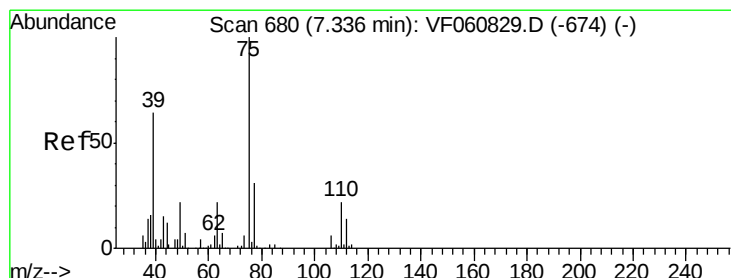
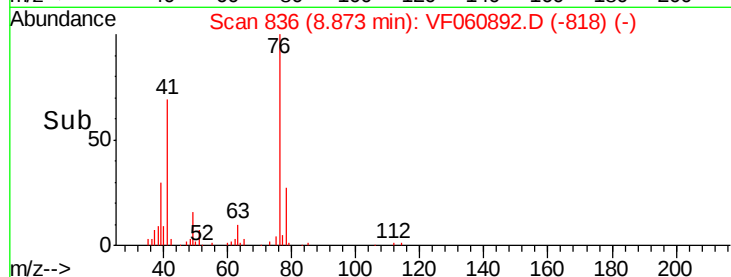
0

8.80

8.90

9.00

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 105.987 ug/l

RT: 7.31 min Scan# 678

Delta R.T. -0.02 min

Lab File: VF060892.D

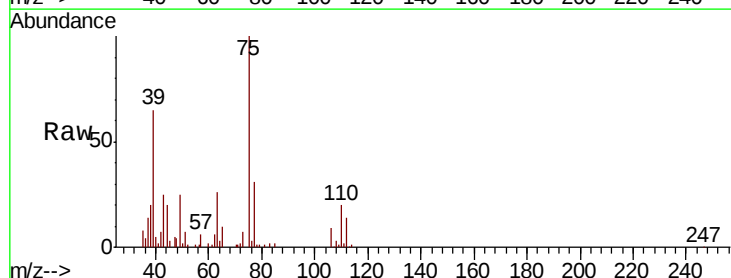
Acq: 3 Dec 2018 15:33

Tgt Ion: 63 Resp: 18879

Ion Ratio Lower Upper

63 100

106 37.0 23.0 34.6#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.31

8000

6000

4000

2000

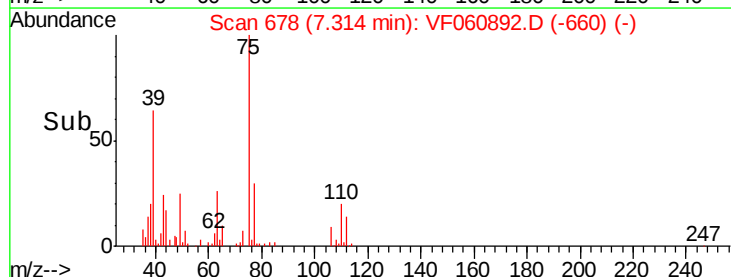
0

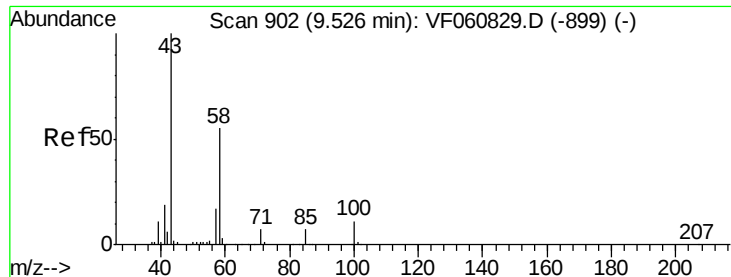
7.20

7.30

7.40

Time-->





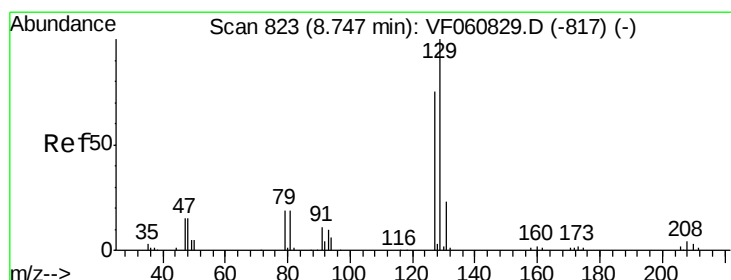
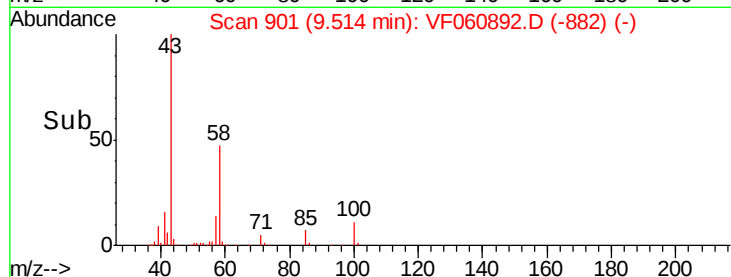
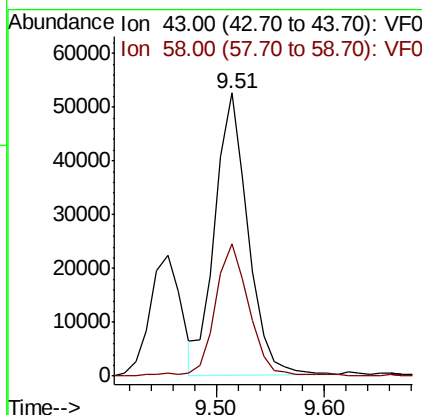
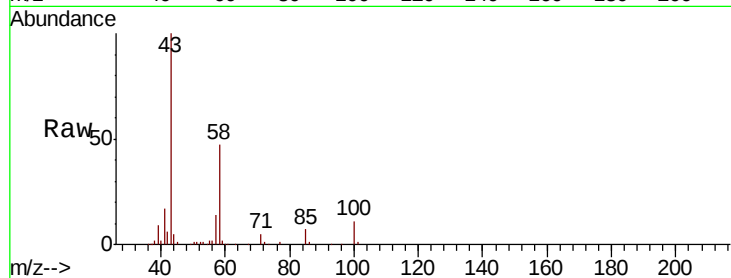
#59
2-Hexanone
Concen: 121.240 ug/l
RT: 9.51 min Scan# 901
Delta R.T. -0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion: 43 Resp: 110507
Ion Ratio Lower Upper
43 100
58 46.9 25.6 76.6

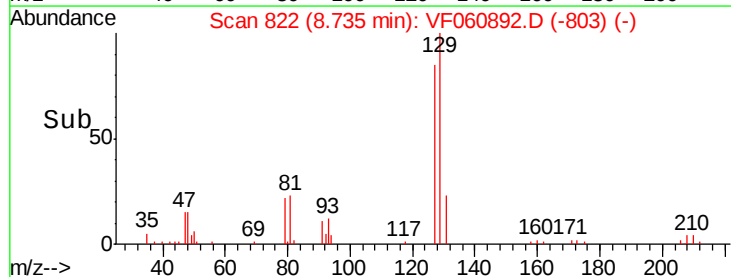
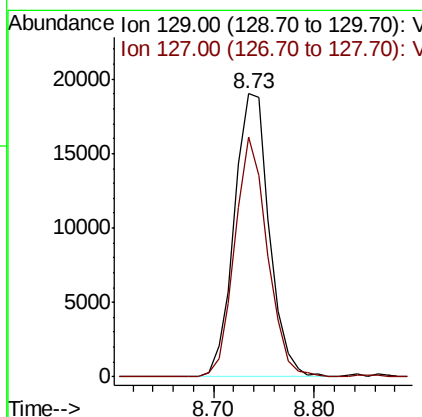
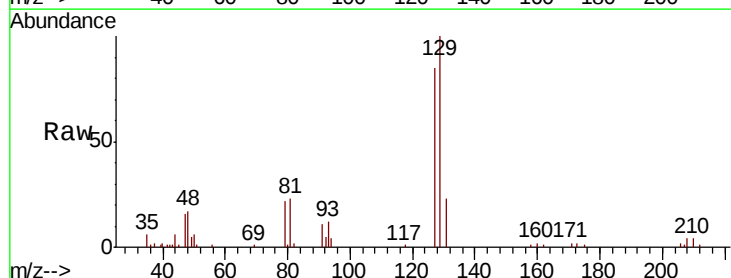
Manual Integrations
APPROVED

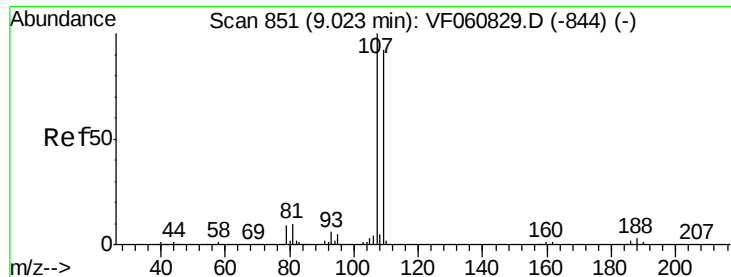
apatel
12/4/2018 2:49:16 PM



#60
Dibromochloromethane
Concen: 19.664 ug/l
RT: 8.73 min Scan# 822
Delta R.T. -0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Tgt Ion: 129 Resp: 45929
Ion Ratio Lower Upper
129 100
127 84.8 37.3 111.9





#61

1,2-Dibromoethane

Concen: 20.802 ug/l

RT: 9.01 min Scan# 850

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion:107 Resp: 35228

Ion Ratio Lower Upper

107 100

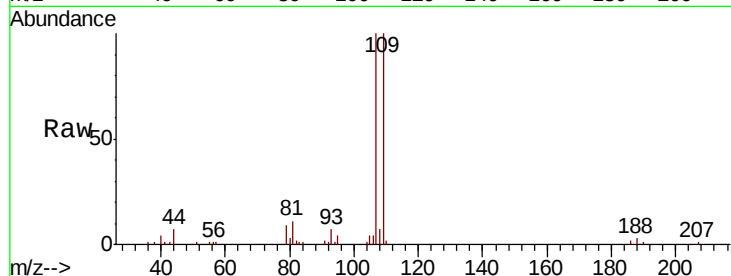
109 100.3 73.6 110.4

Manual Integrations

APPROVED

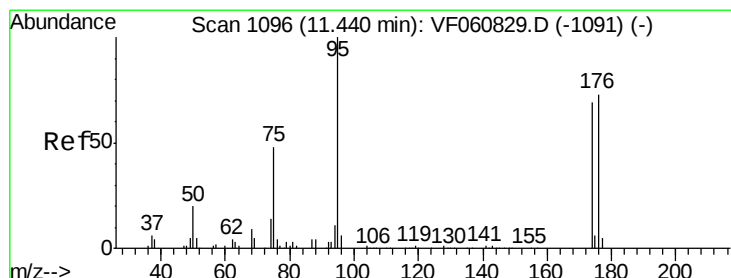
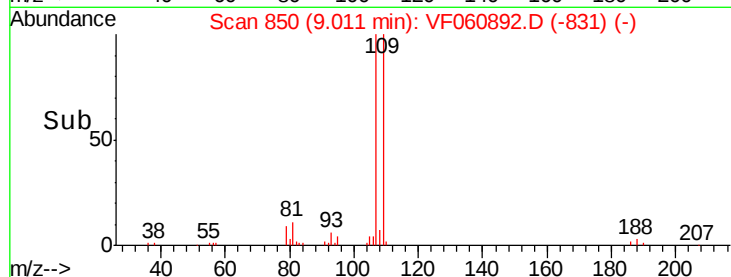
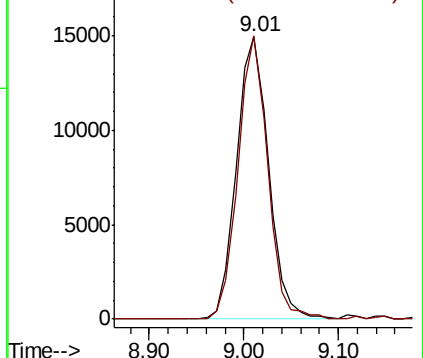
apatel

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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: 51.457 ug/l

RT: 11.43 min Scan# 1095

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

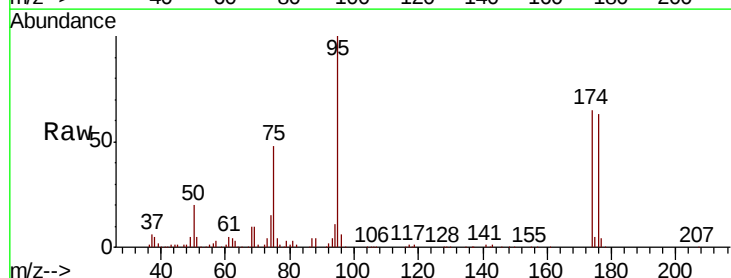
Tgt Ion: 95 Resp: 170827

Ion Ratio Lower Upper

95 100

174 65.1 0.0 138.2

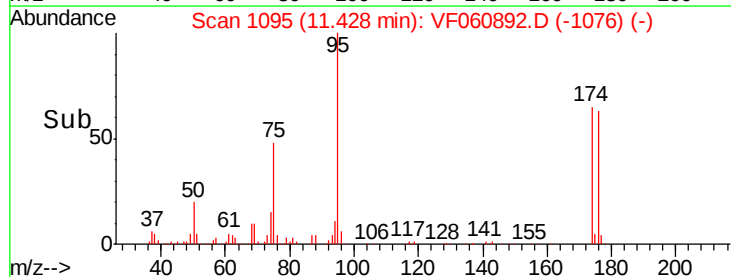
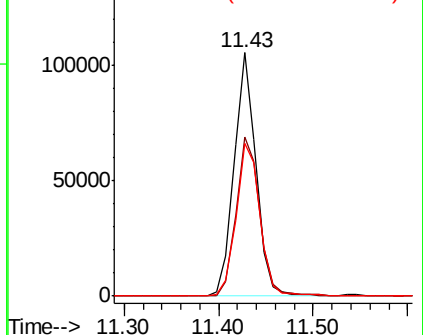
176 63.0 0.0 146.2

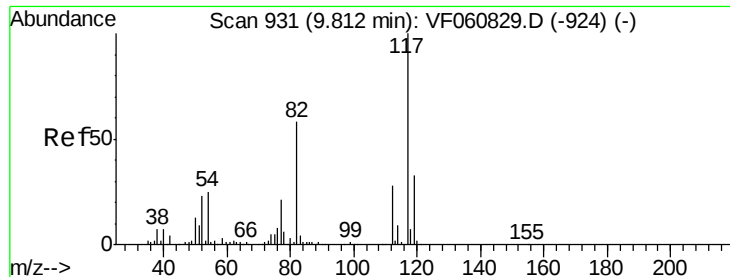


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





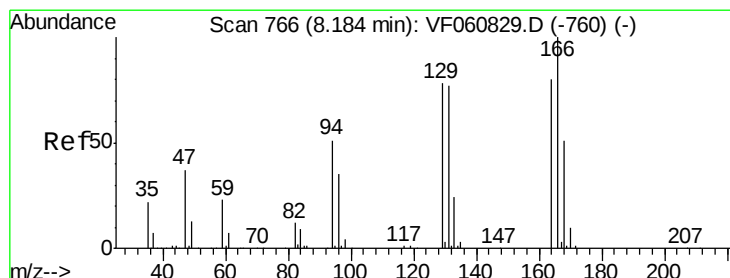
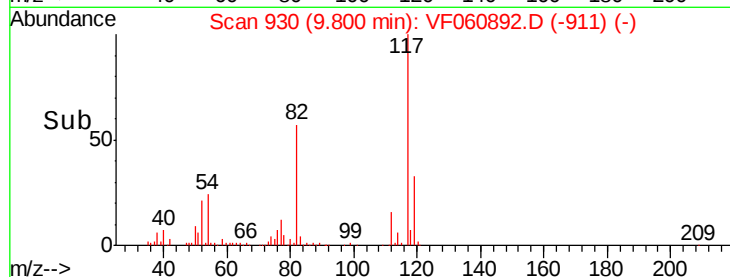
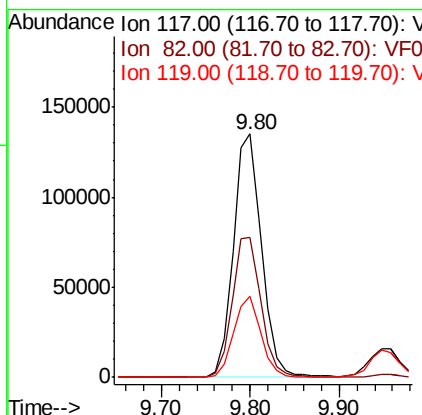
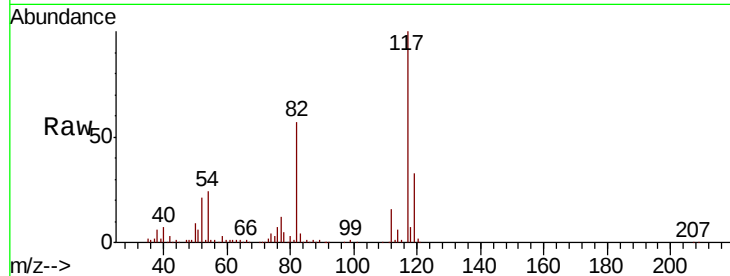
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	298164		
82	57.4	46.6	69.8	
119	33.3	26.4	39.6	

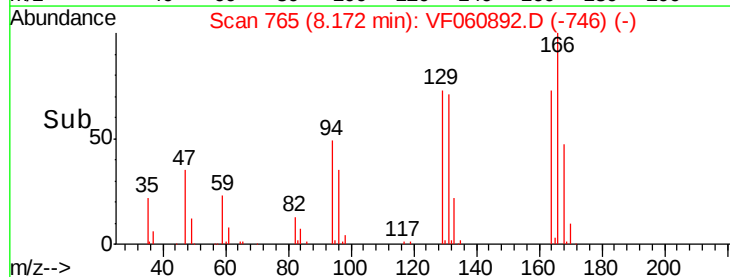
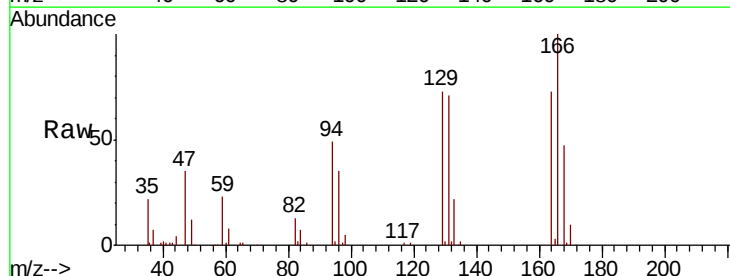
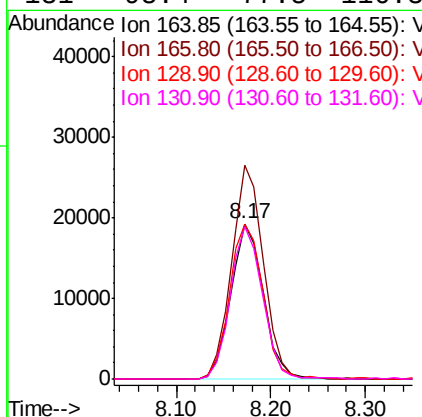
Manual Integrations
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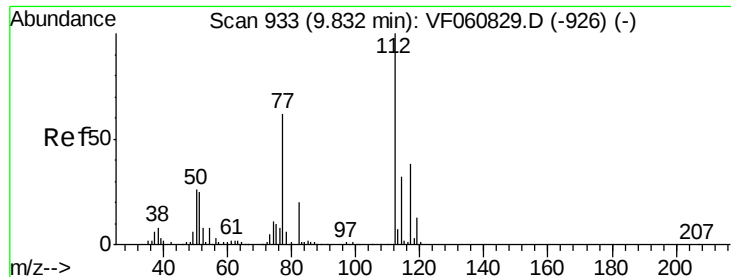
apatel
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#64
Tetrachloroethene
Concen: 20.023 ug/l
RT: 8.17 min Scan# 765
Delta R.T. -0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	45600		
166	137.8	100.3	150.5	
129	100.3	77.9	116.9	
131	98.4	77.5	116.3	





#65

Chlorobenzene

Concen: 21.524 ug/l

RT: 9.82 min Scan# 932

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion:112 Resp: 124850

Ion Ratio Lower Upper

112 100

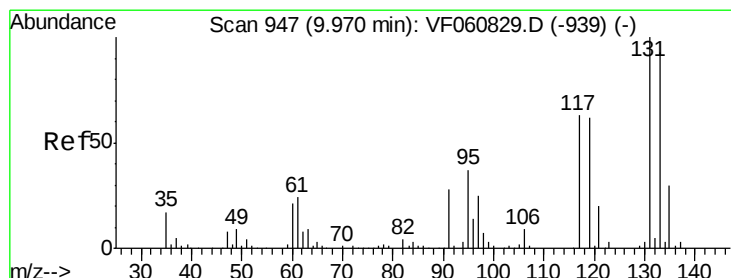
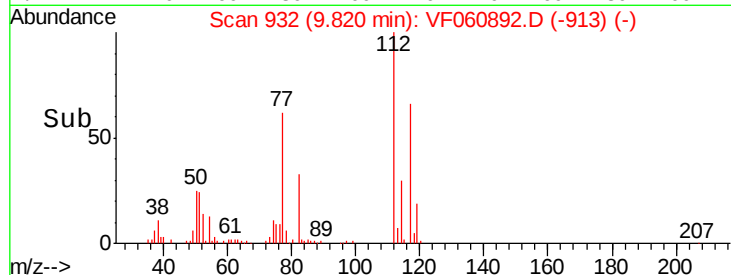
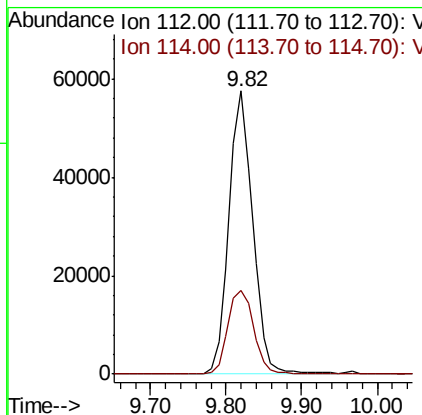
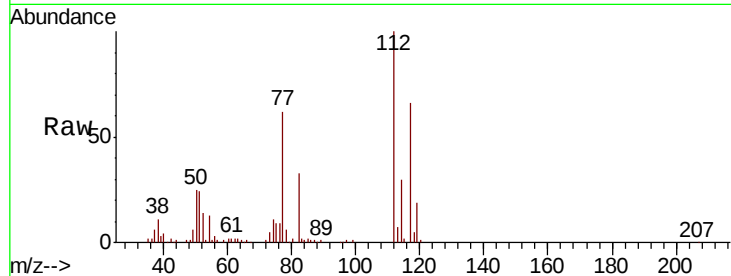
114 29.8 26.0 39.0

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.248 ug/l

RT: 9.96 min Scan# 946

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

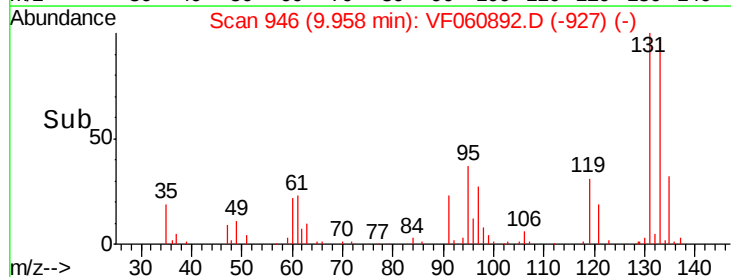
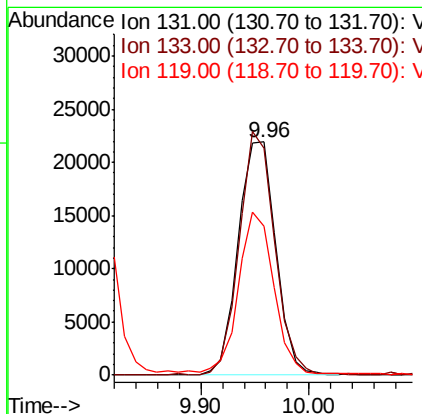
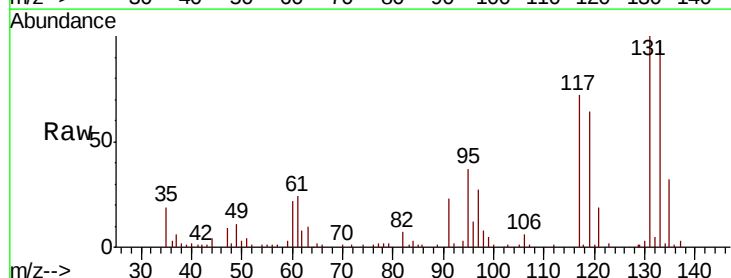
Tgt Ion:131 Resp: 52984

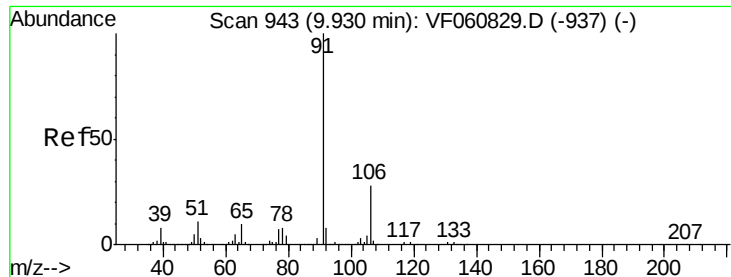
Ion Ratio Lower Upper

131 100

133 97.3 46.5 139.3

119 64.2 31.1 93.3





#67

Ethyl Benzene

Concen: 21.526 ug/l

RT: 9.92 min Scan# 942

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion: 91 Resp: 232457

Ion Ratio Lower Upper

91 100

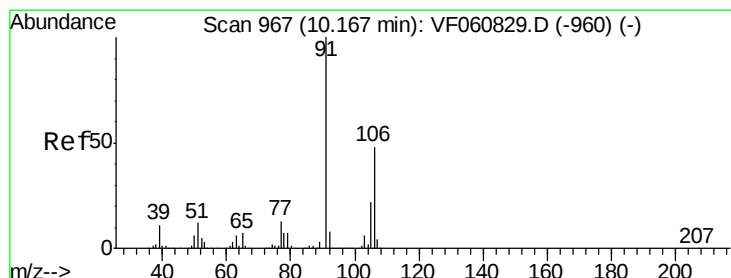
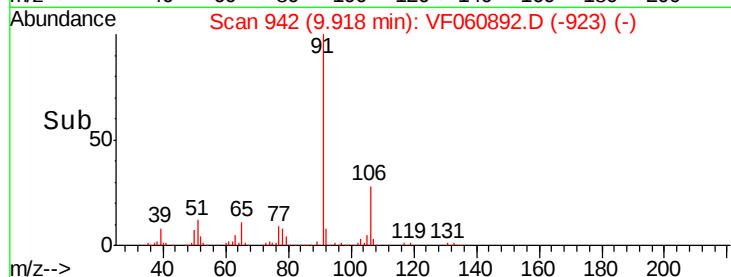
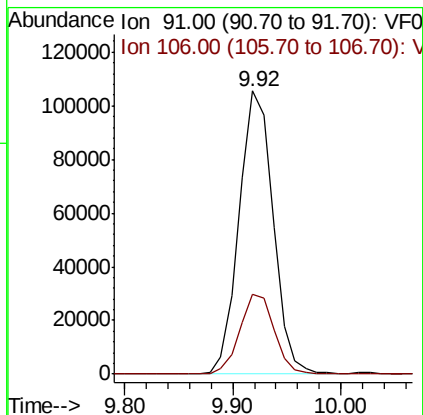
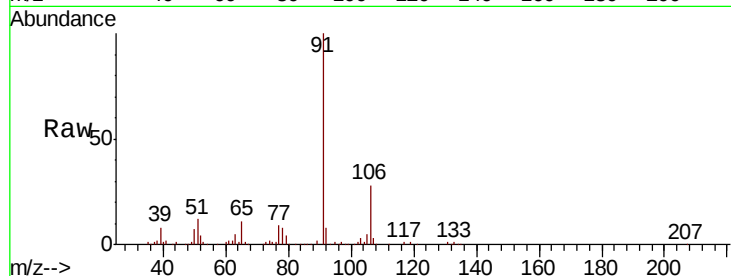
106 28.1 22.2 33.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 40.490 ug/l

RT: 10.16 min Scan# 966

Delta R.T. -0.01 min

Lab File: VF060892.D

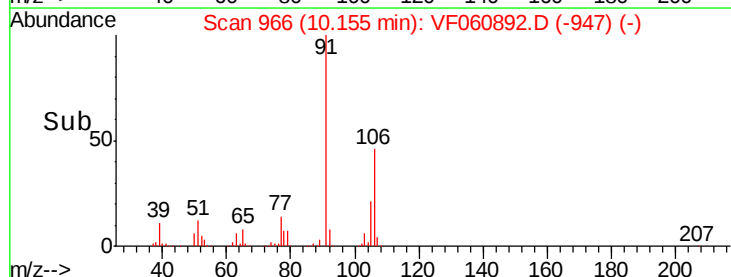
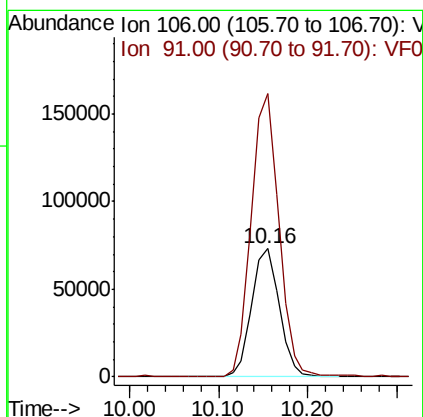
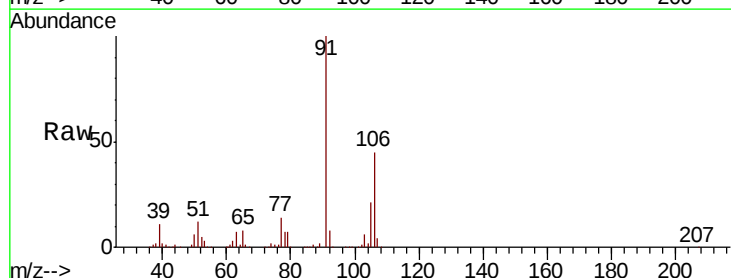
Acq: 3 Dec 2018 15:33

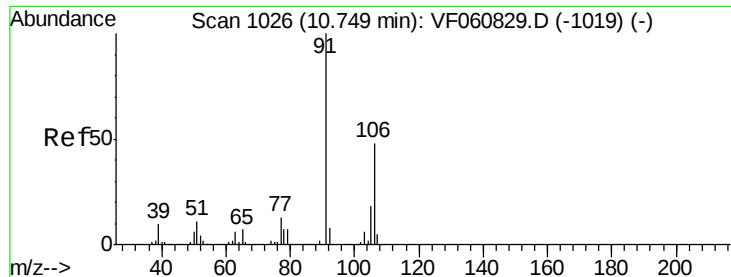
Tgt Ion: 106 Resp: 157256

Ion Ratio Lower Upper

106 100

91 220.4 166.7 250.1





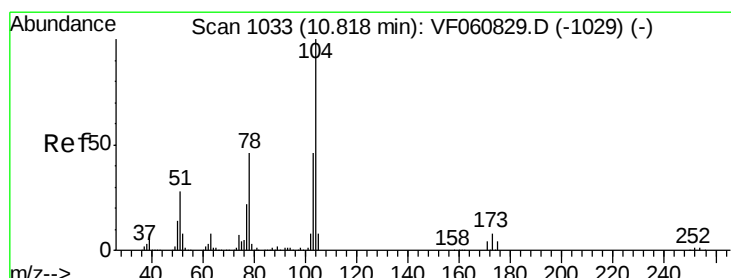
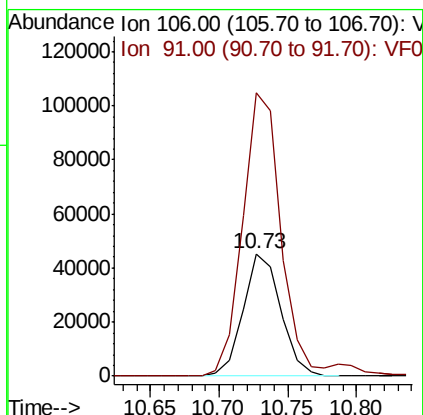
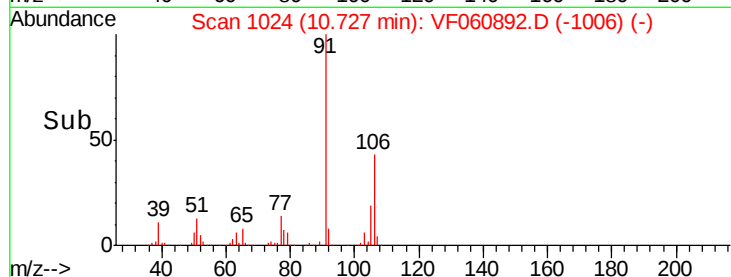
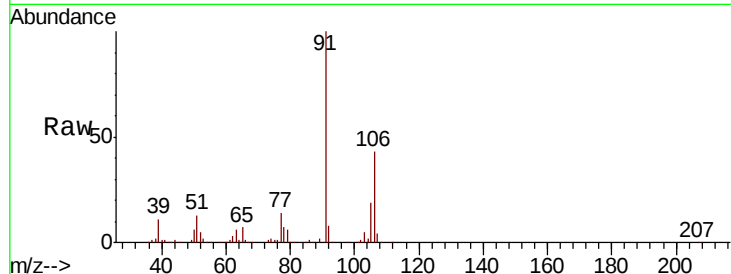
#69
o-Xylene
Concen: 20.236 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. -0.02 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	231.2	104.8	314.6

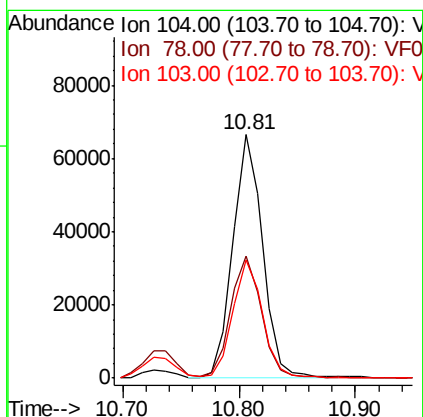
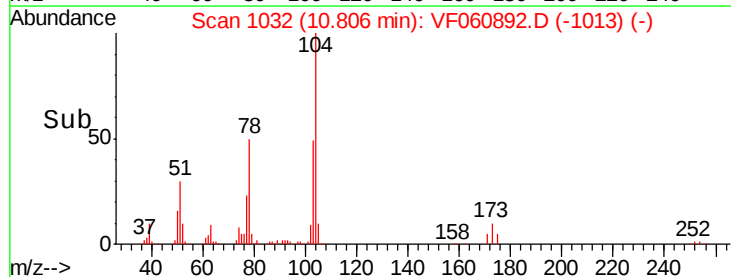
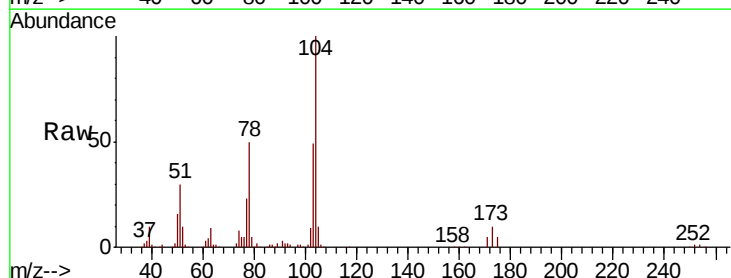
Manual Integrations
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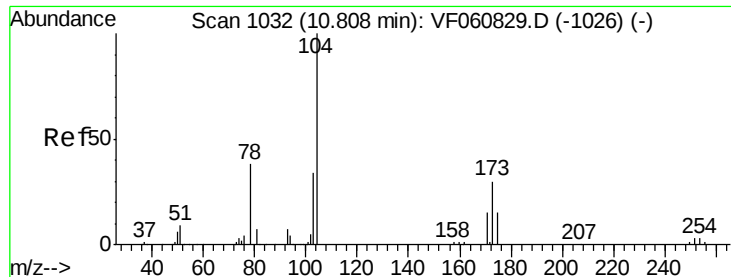
apatel
12/4/2018 2:49:16 PM



#70
Styrene
Concen: 19.662 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.3	37.3	55.9
103	48.8	36.8	55.2





#71

Bromoform

Concen: 21.341 ug/l

RT: 10.79 min Scan# 1030

Delta R.T. -0.02 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

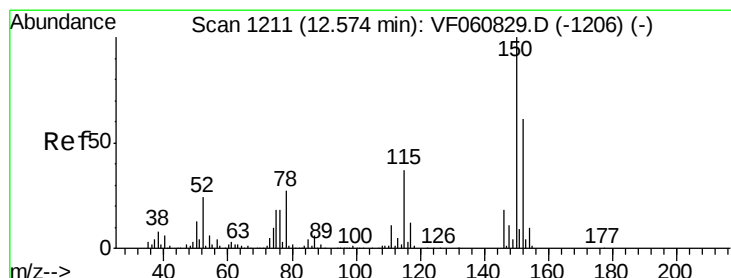
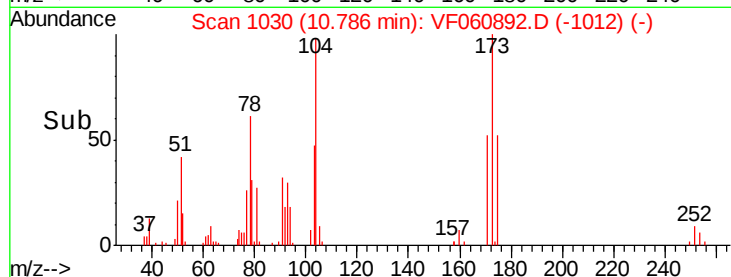
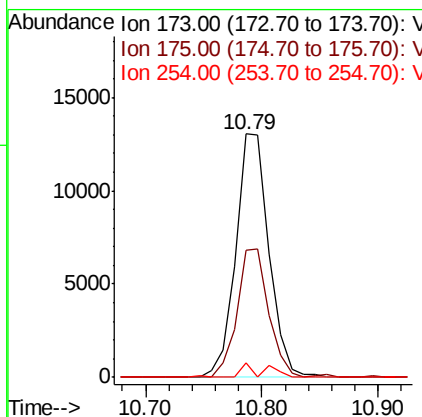
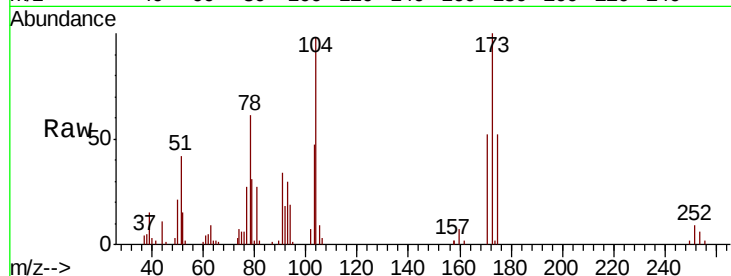
ClientSampleId :

VF1203SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	52.2	25.5	76.5
254	5.8	7.5	11.3

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

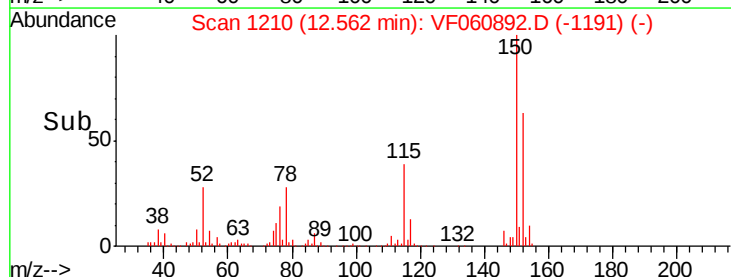
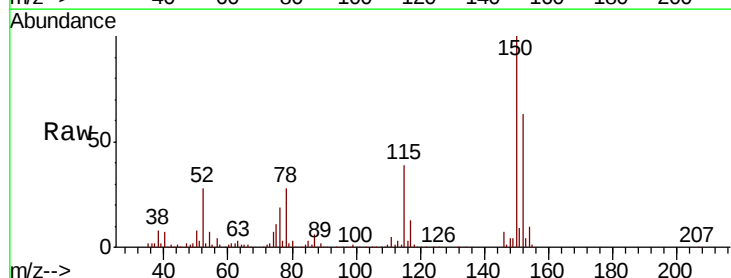
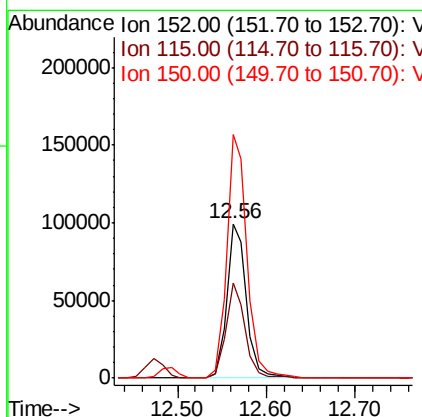
RT: 12.56 min Scan# 1210

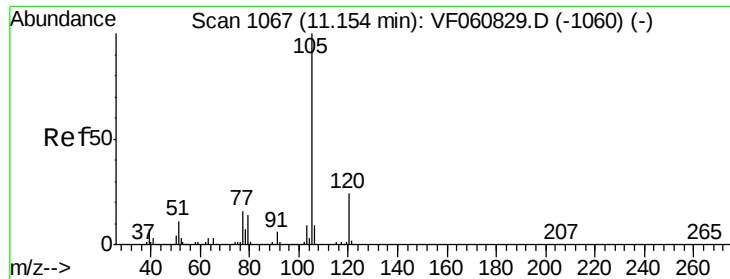
Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.8	30.1	90.5
150	157.6	0.0	327.6





#73

Isopropylbenzene

Concen: 21.653 ug/l

RT: 11.14 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion:105 Resp: 265156

Ion Ratio Lower Upper

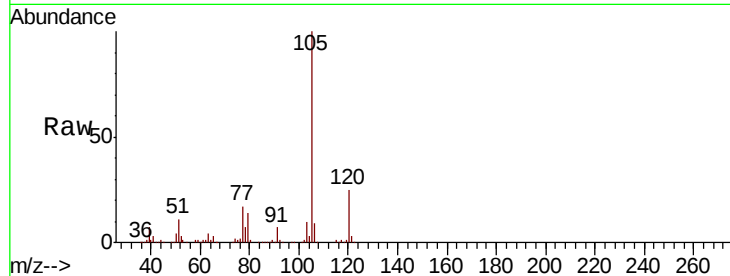
105 100

120 25.2 12.2 36.4

Manual Integrations
APPROVED

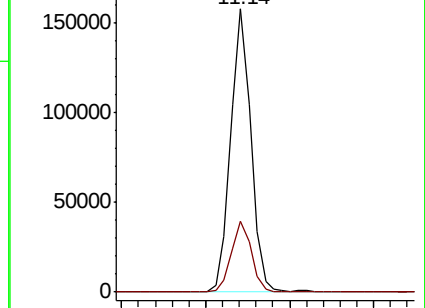
apatel

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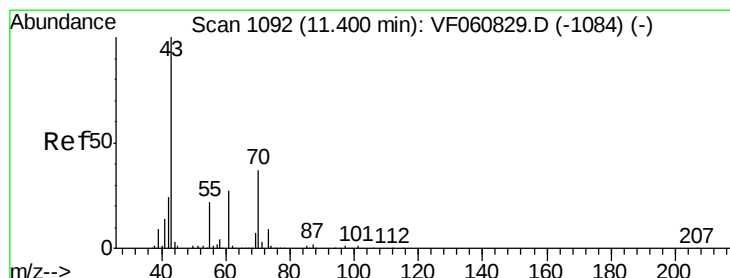
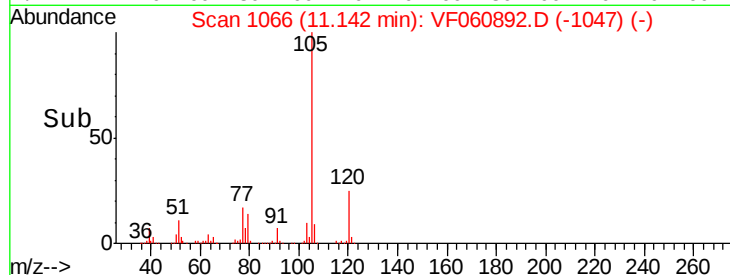


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time--> 11.00 11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 21.738 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Tgt Ion: 43 Resp: 61471

Ion Ratio Lower Upper

43 100

70 38.0 29.6 44.4

55 20.5 17.2 25.8

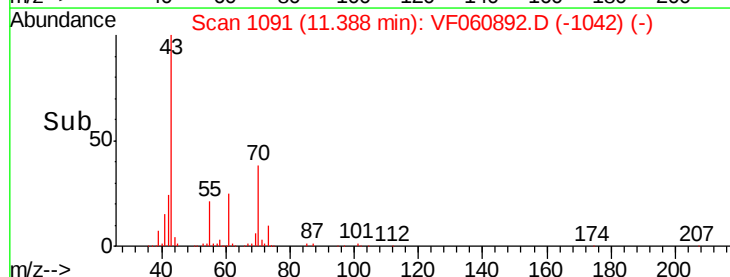
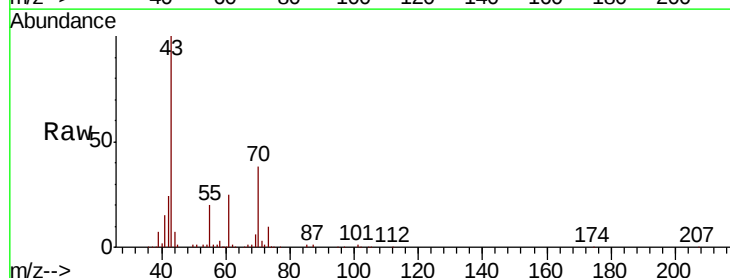
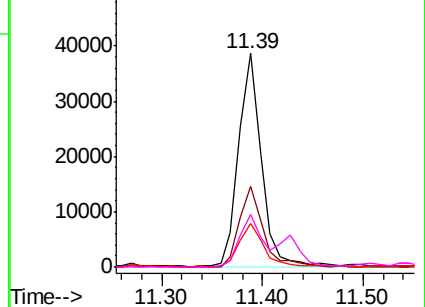
61 24.8 21.8 32.6

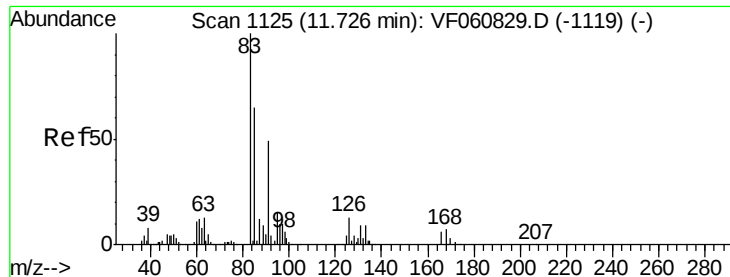
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.102 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

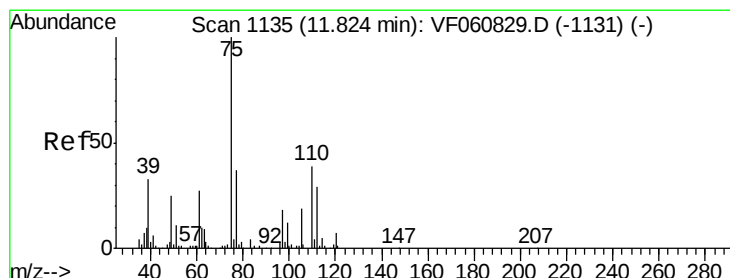
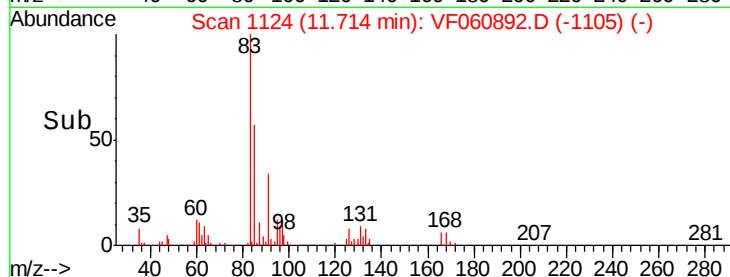
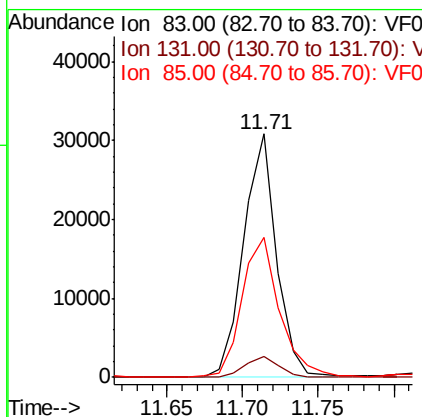
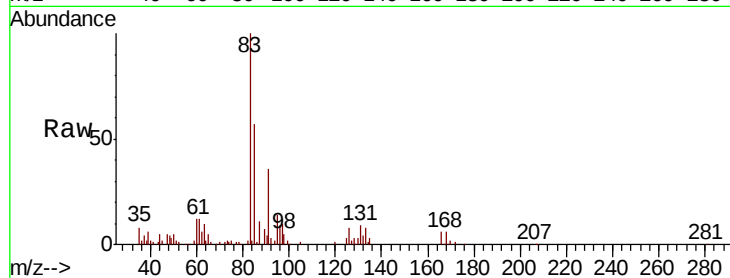
ClientSampleId :

VF1203SBS01

Tot Ion:	83	Resp:	46560
Ion Ratio	Lower	Upper	
83	100		
131	8.6	4.7	14.1
85	57.5	32.6	97.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.648 ug/l

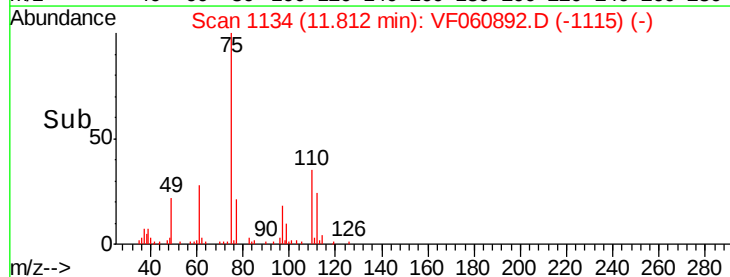
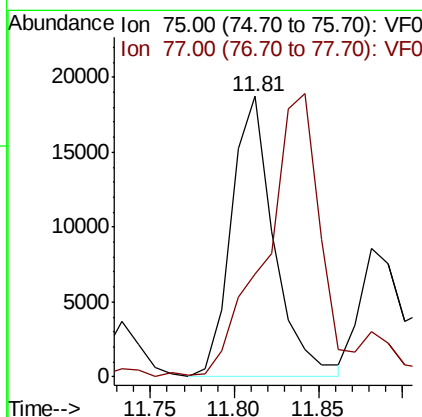
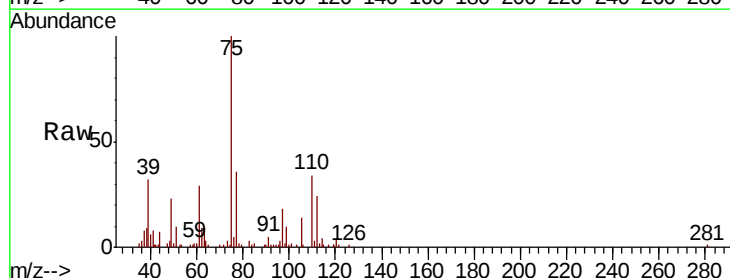
RT: 11.81 min Scan# 1134

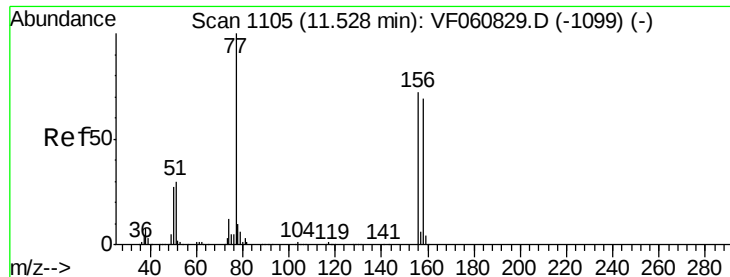
Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Tgt Ion:	75	Resp:	33177
Ion Ratio	Lower	Upper	
75	100		
77	36.5	18.4	55.4





#77

Bromobenzene

Concen: 20.569 ug/l

RT: 11.52 min Scan# 1104

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion:156 Resp: 55222

Ion Ratio Lower Upper

156 100

77 153.6 69.7 209.0

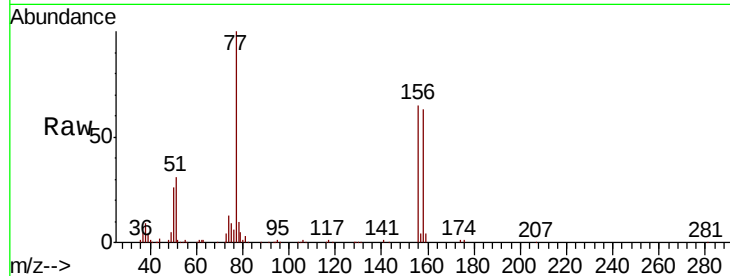
158 96.6 47.8 143.4

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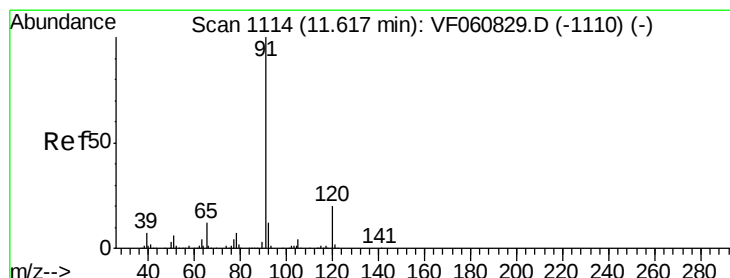
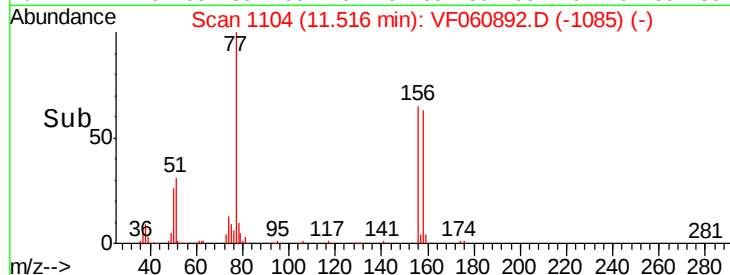
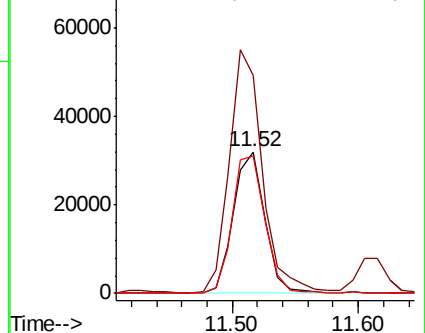
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 22.076 ug/l

RT: 11.61 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF060892.D

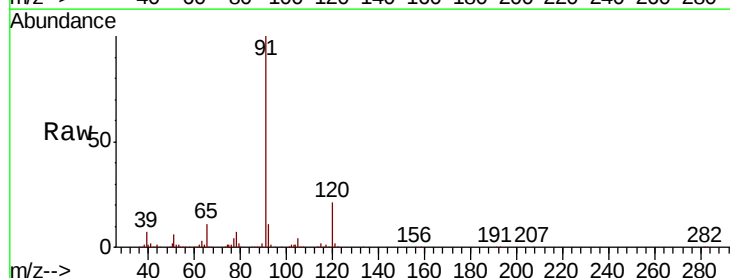
Acq: 3 Dec 2018 15:33

Tgt Ion: 91 Resp: 316594

Ion Ratio Lower Upper

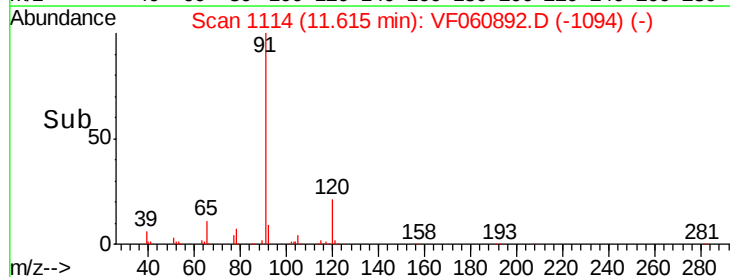
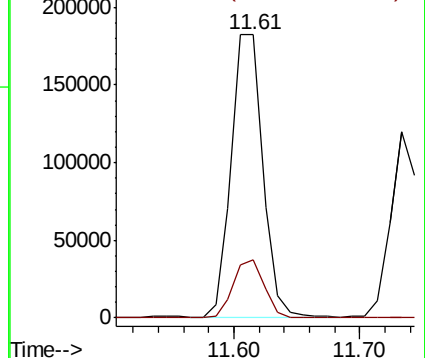
91 100

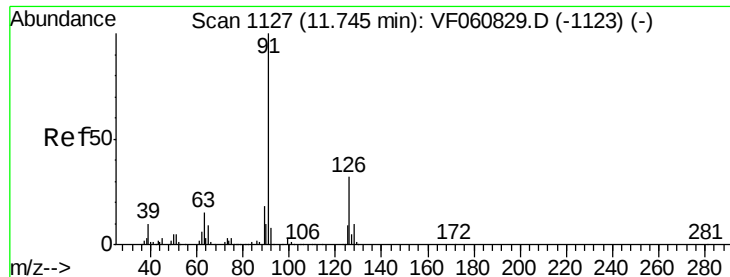
120 20.7 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.694 ug/l

RT: 11.73 min Scan# 1126

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion: 91 Resp: 186611

Ion Ratio Lower Upper

91 100

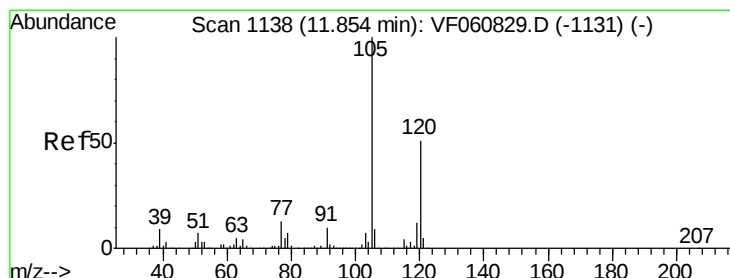
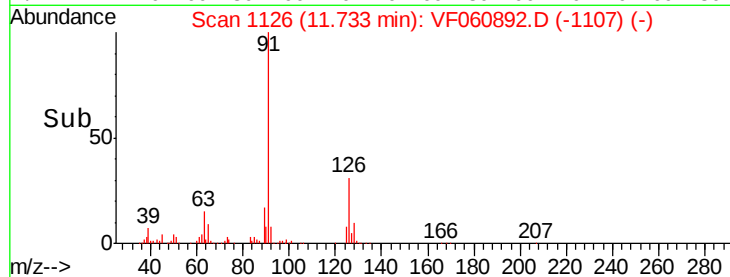
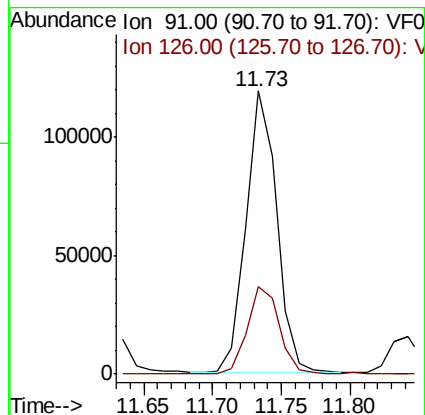
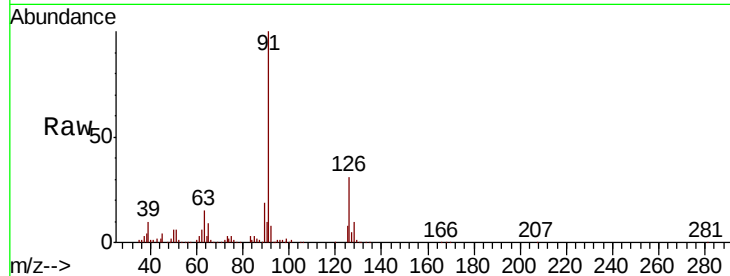
126 30.8 15.9 47.6

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#80

1,3,5-Trimethylbenzene

Concen: 22.102 ug/l

RT: 11.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VF060892.D

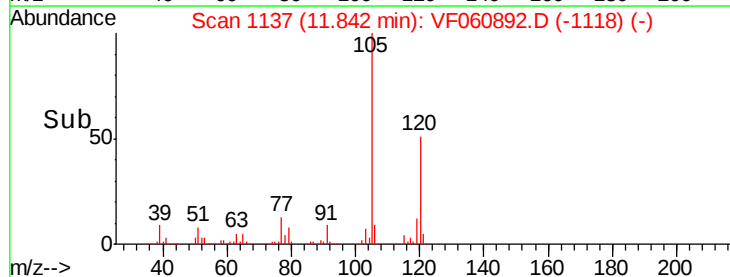
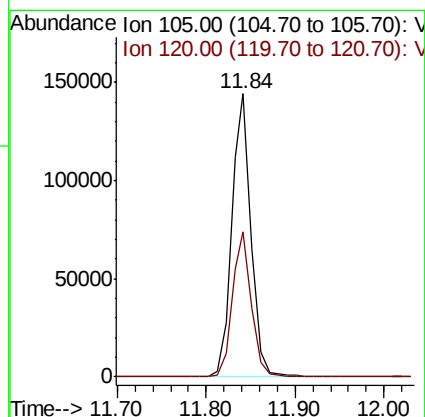
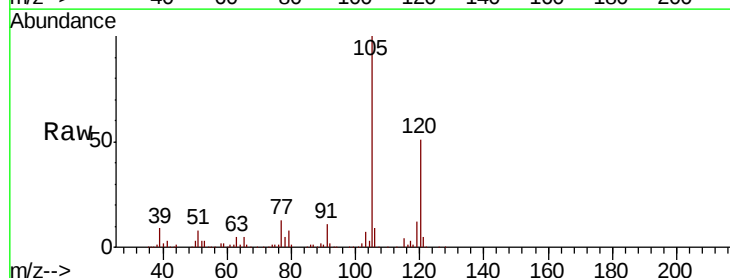
Acq: 3 Dec 2018 15:33

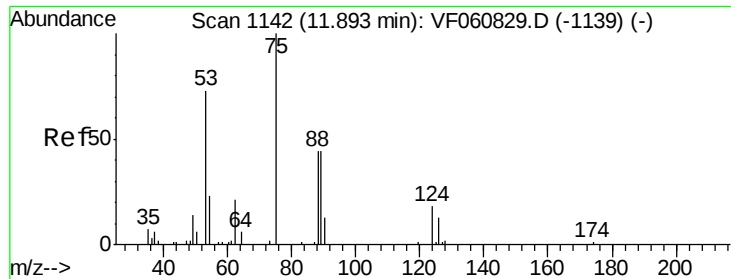
Tgt Ion: 105 Resp: 219727

Ion Ratio Lower Upper

105 100

120 51.2 25.8 77.3





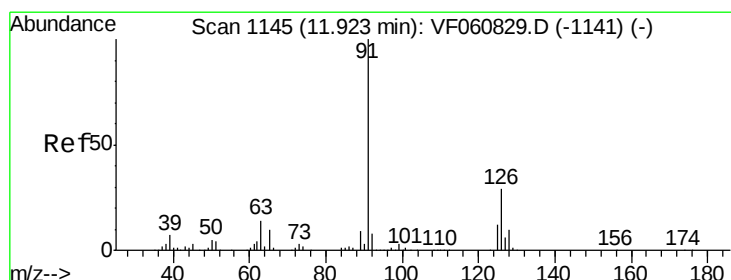
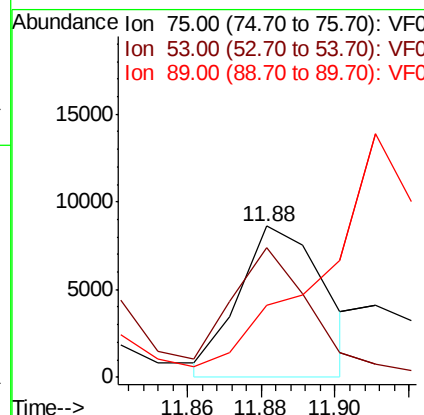
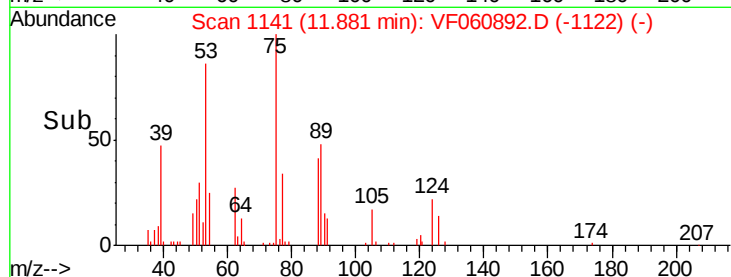
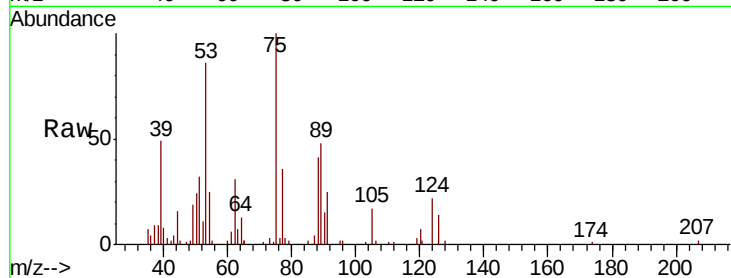
#81
trans-1,4-Dichloro-2-butene
Concen: 19.259 ug/l m
RT: 11.88 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.0	65.9	98.9
89	47.6	38.8	58.2

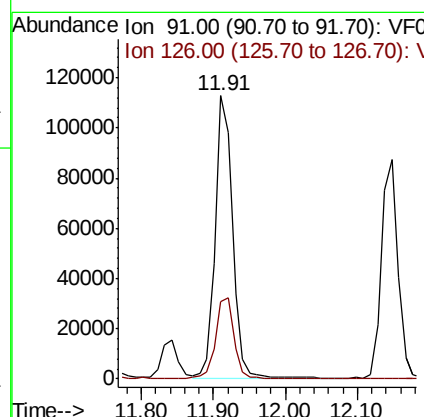
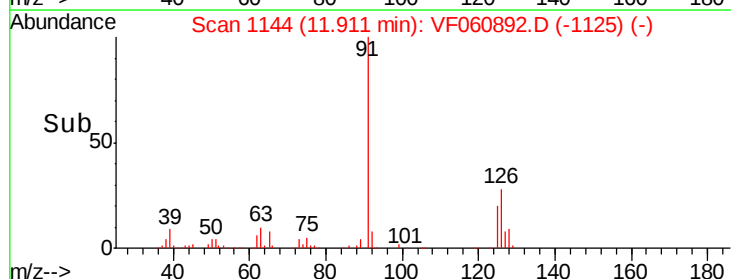
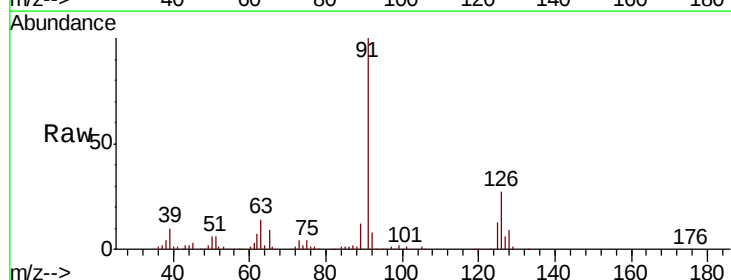
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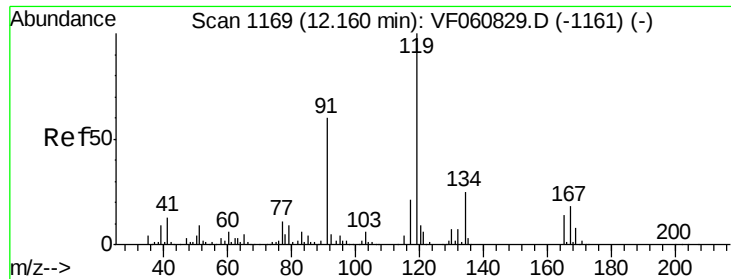
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#82
4-Chlorotoluene
Concen: 21.467 ug/l
RT: 11.91 min Scan# 1144
Delta R.T. -0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.5	14.8	44.4





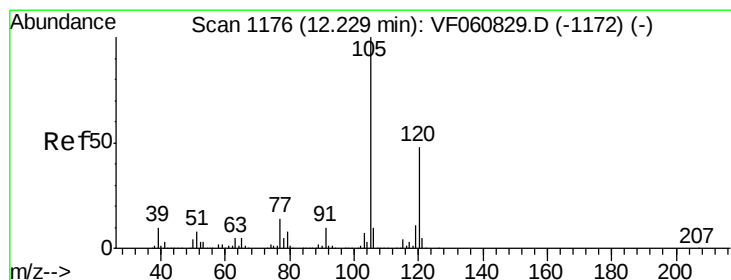
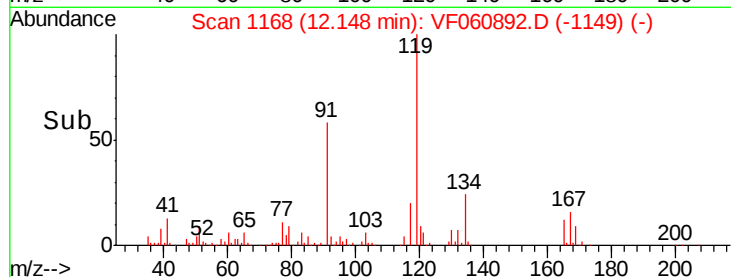
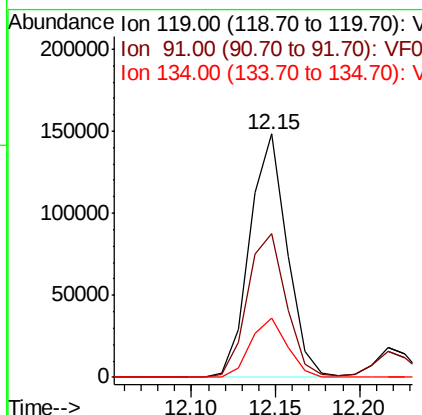
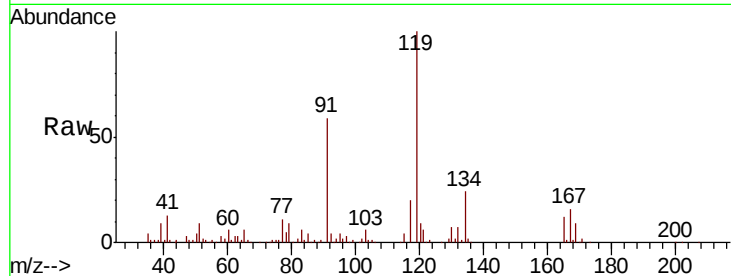
#83
tert-Butylbenzene
Concen: 22.557 ug/l
RT: 12.15 min Scan# 1168
Delta R.T. -0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	228429		
91	58.9		30.1	90.3
134	24.4		12.6	37.8

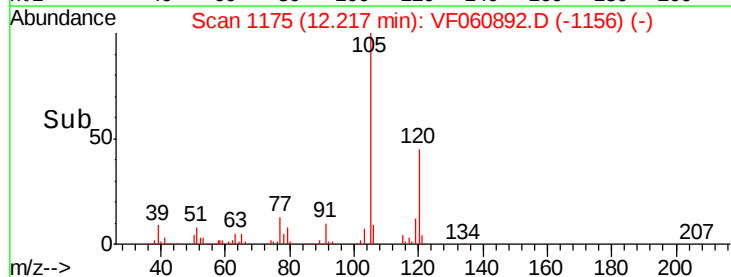
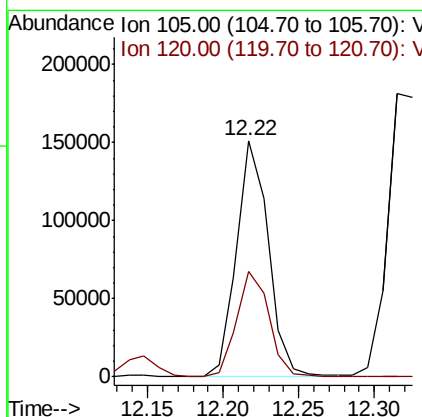
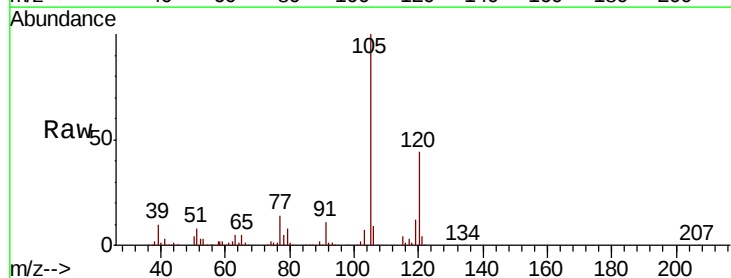
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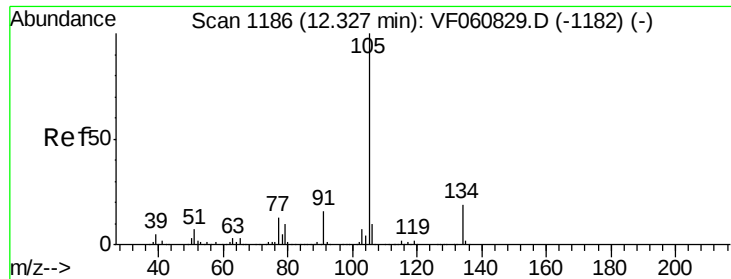
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#84
1,2,4-Trimethylbenzene
Concen: 22.421 ug/l
RT: 12.22 min Scan# 1175
Delta R.T. -0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	222452		
120	44.4		23.8	71.5





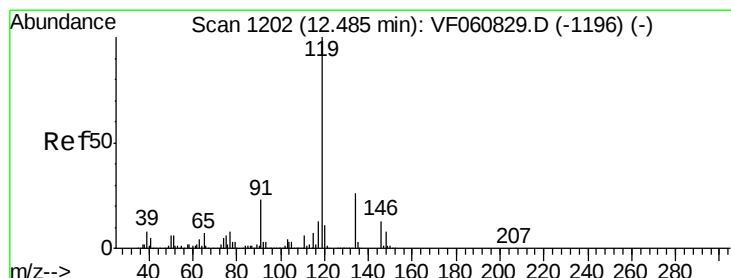
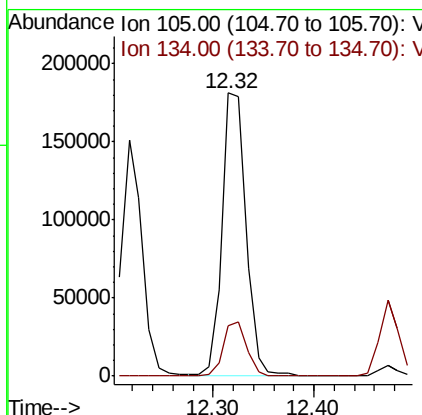
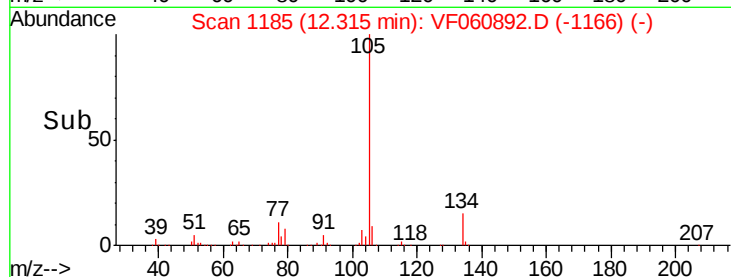
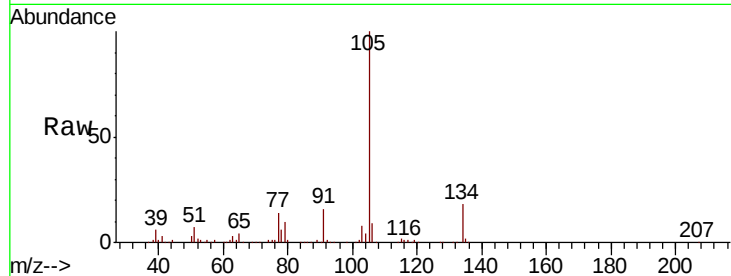
#85
 sec-Butylbenzene
 Concen: 21.604 ug/l
 RT: 12.32 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: VF060892.D
 Acq: 3 Dec 2018 15:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	299496		
134	17.8	9.5	28.5	

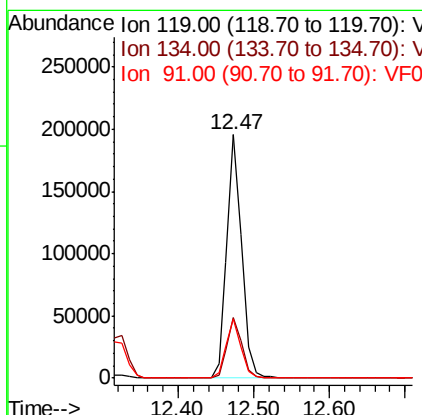
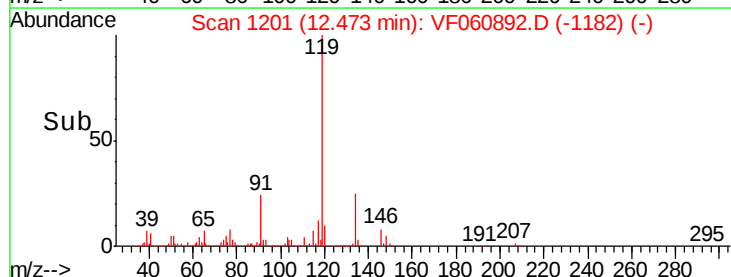
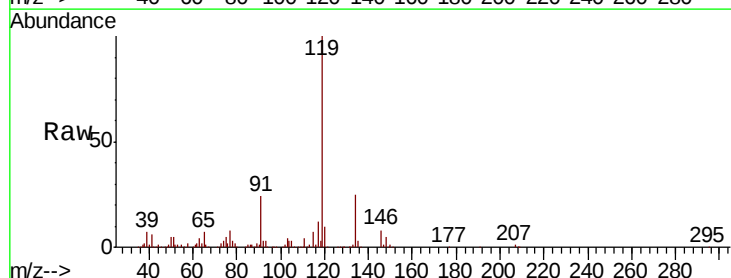
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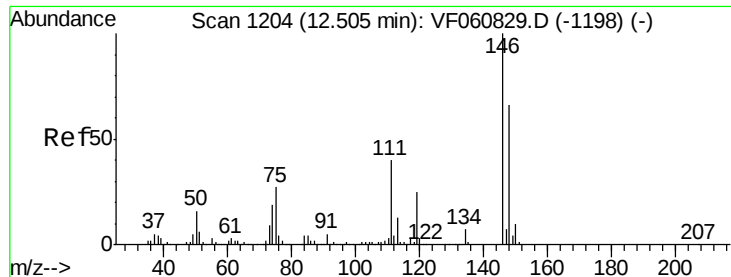
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#86
 p-Isopropyltoluene
 Concen: 22.977 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF060892.D
 Acq: 3 Dec 2018 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	267050		
134	24.7	12.9	38.6	
91	24.1	11.8	35.3	





#87

1,3-Dichlorobenzene

Concen: 22.312 ug/l

RT: 12.49 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

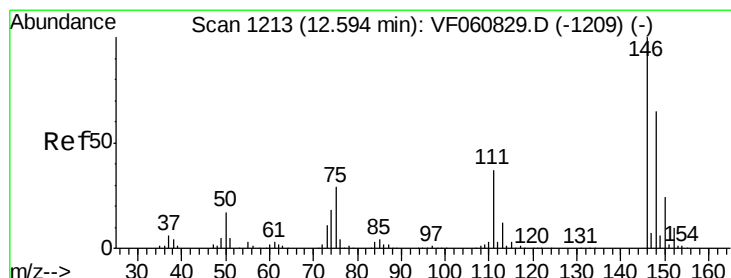
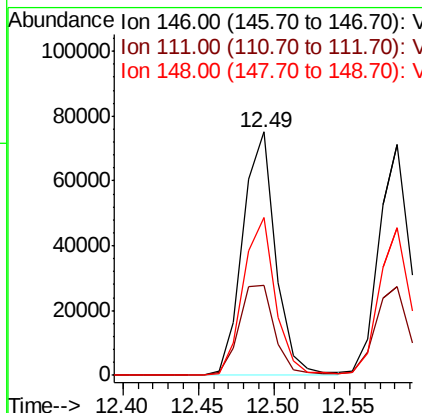
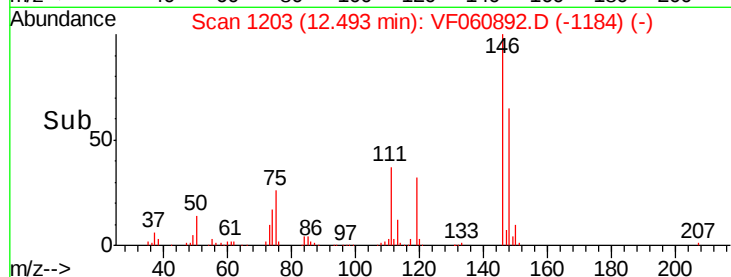
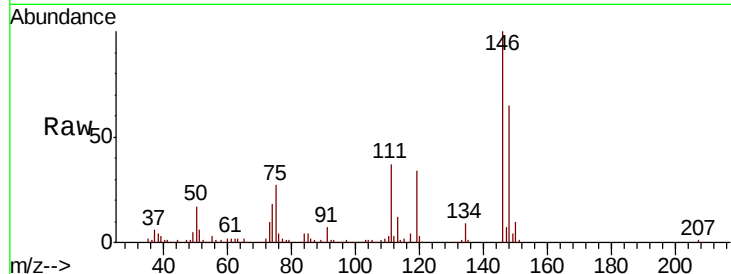
ClientSampleId :

VF1203SBS01

Tot Ion:	146	Resp:	113942
Ion Ratio	Lower	Upper	
146	100		
111	37.1	20.0	59.9
148	64.8	32.9	98.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 21.442 ug/l

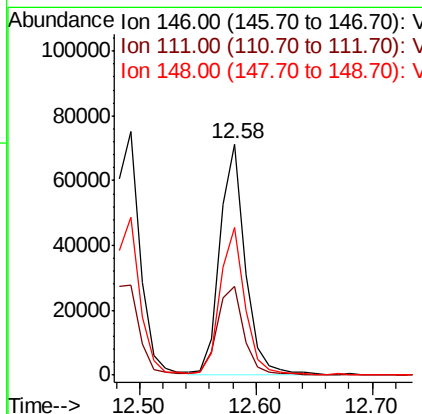
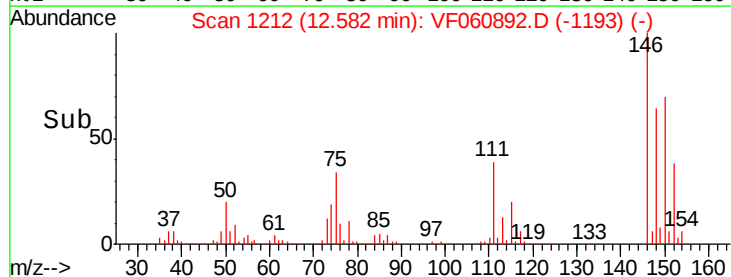
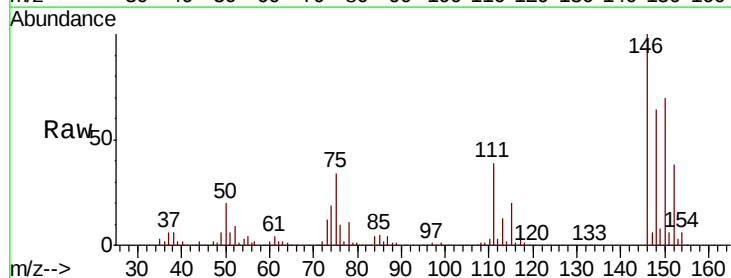
RT: 12.58 min Scan# 1212

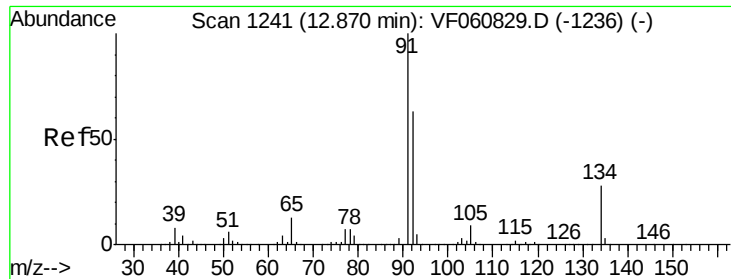
Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Tgt Ion:	146	Resp:	106711
Ion Ratio	Lower	Upper	
146	100		
111	38.6	18.9	56.7
148	63.7	32.3	96.9





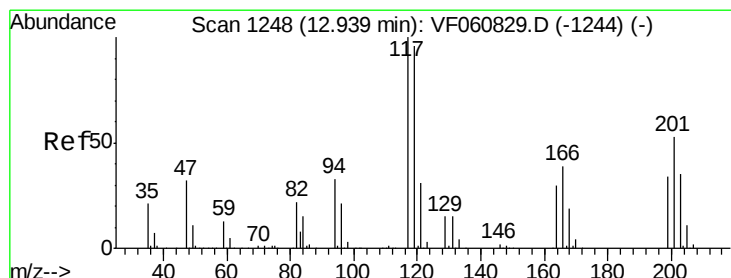
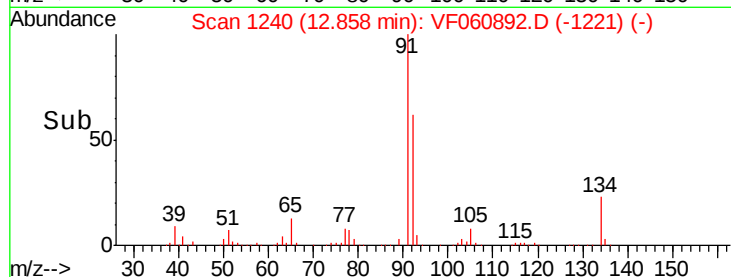
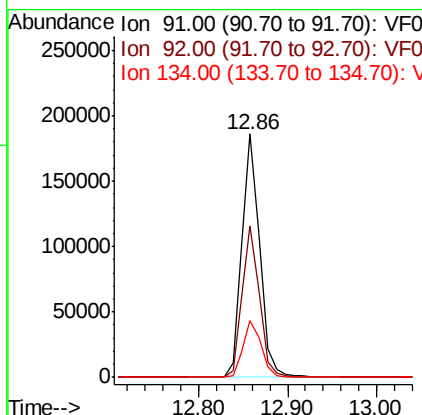
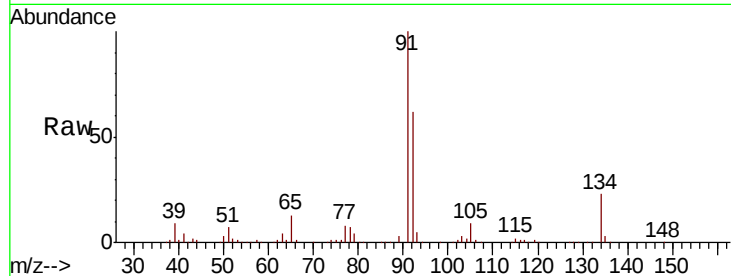
#89
n-Butylbenzene
Concen: 21.900 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	257369		
92	62.2		31.6	94.7
134	23.3		13.8	41.4

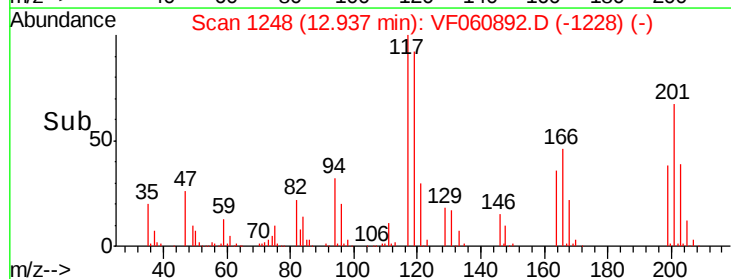
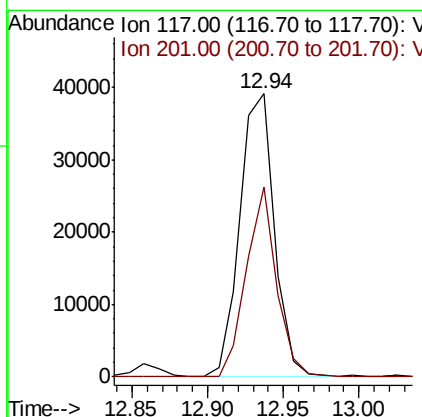
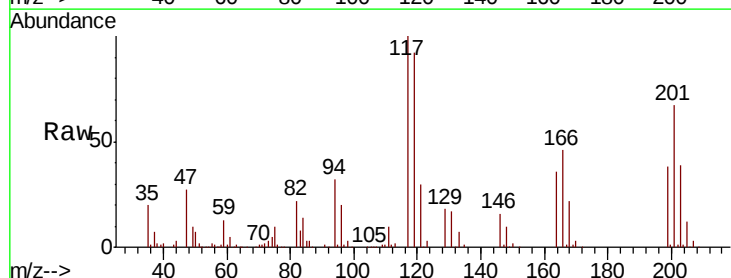
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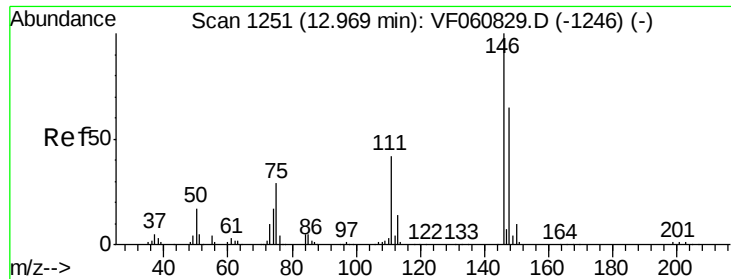
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#90
Hexachloroethane
Concen: 22.251 ug/l
RT: 12.94 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VF060892.D
Acq: 3 Dec 2018 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	62275		
201	67.0		26.7	80.1





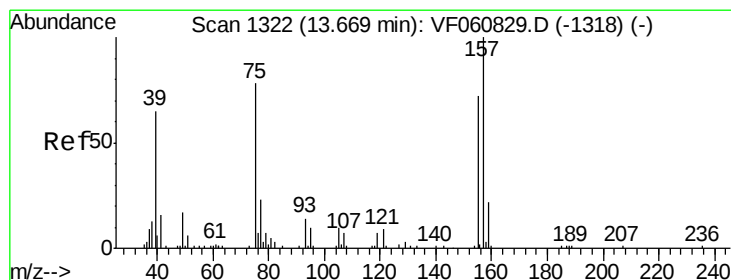
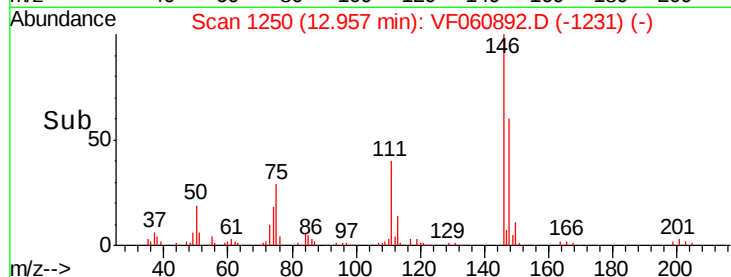
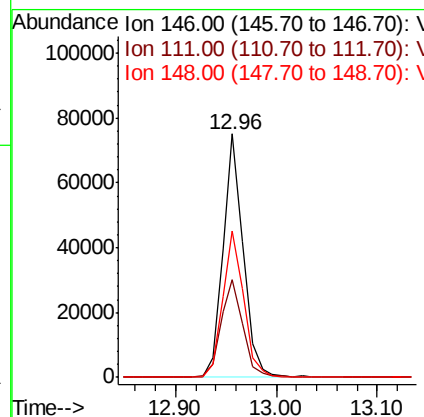
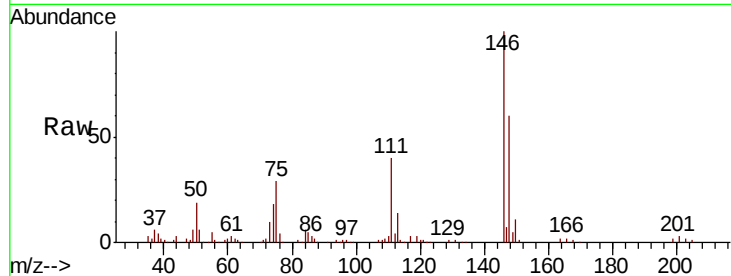
#91
 1,2-Dichlorobenzene
 Concen: 21.909 ug/l
 RT: 12.96 min Scan# 1250
 Delta R.T. -0.01 min
 Lab File: VF060892.D
 Acq: 3 Dec 2018 15:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	21.2	63.6
148	60.3	32.5	97.5

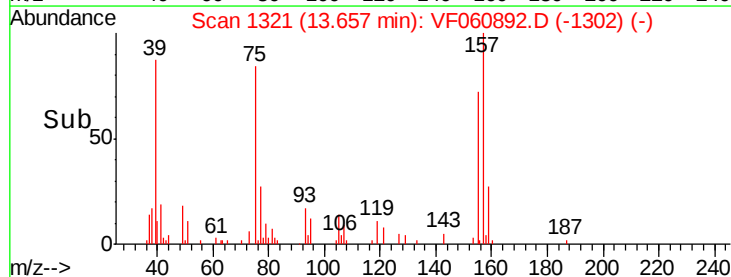
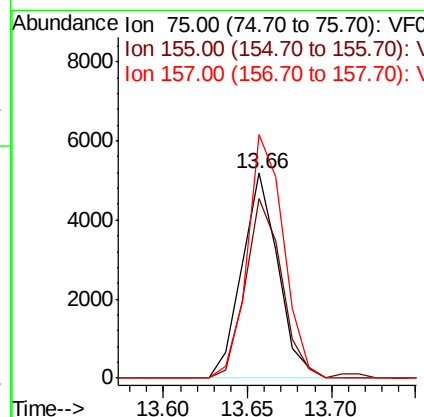
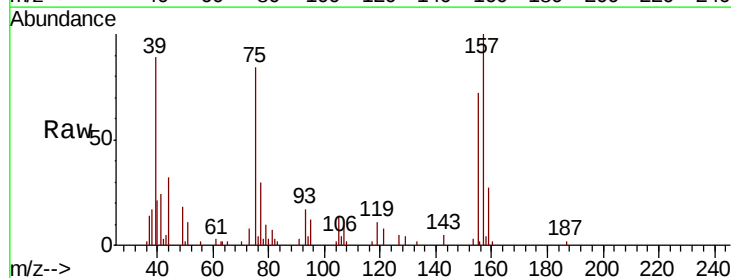
Manual Integrations
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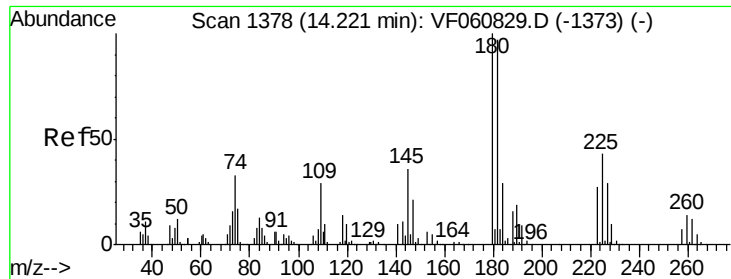
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.761 ug/l
 RT: 13.66 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VF060892.D
 Acq: 3 Dec 2018 15:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.7	45.6	136.9
157	118.9	63.8	191.5





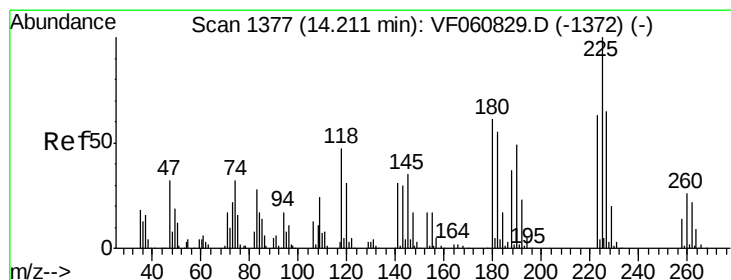
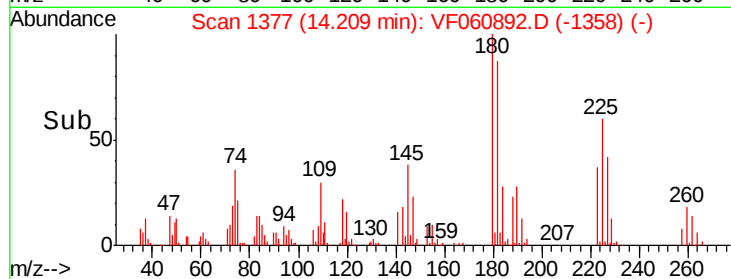
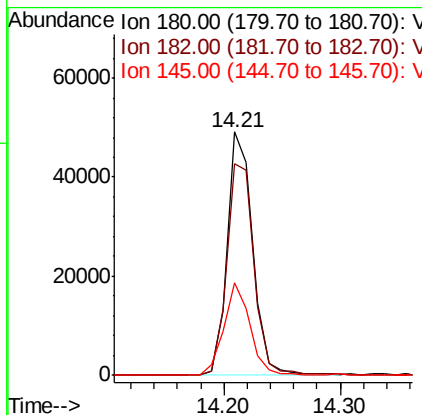
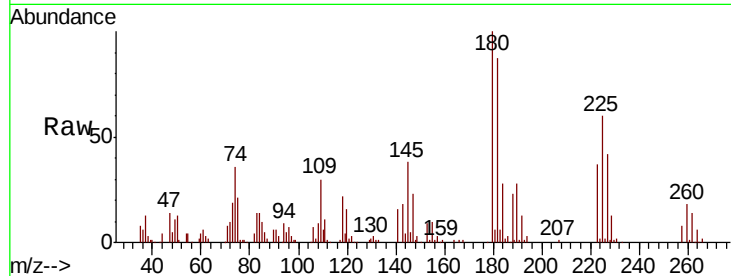
#93
 1,2,4-Trichlorobenzene
 Concen: 22.083 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: VF060892.D
 Acq: 3 Dec 2018 15:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	74621		
182	86.8		48.5	145.5
145	37.8		18.1	54.3

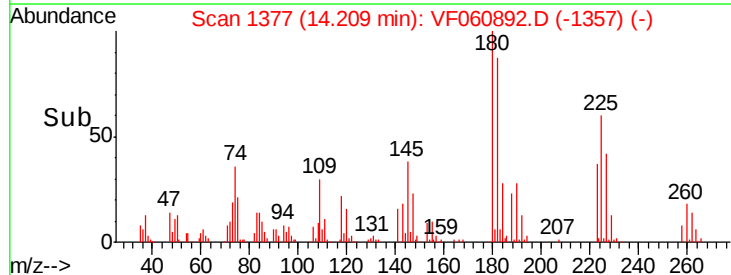
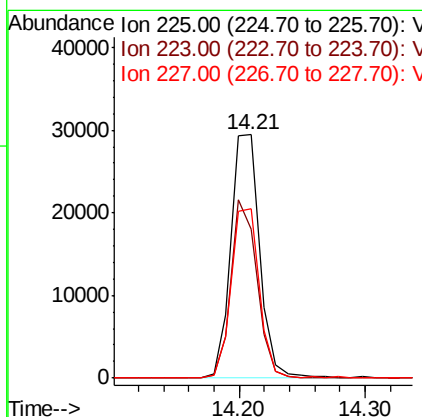
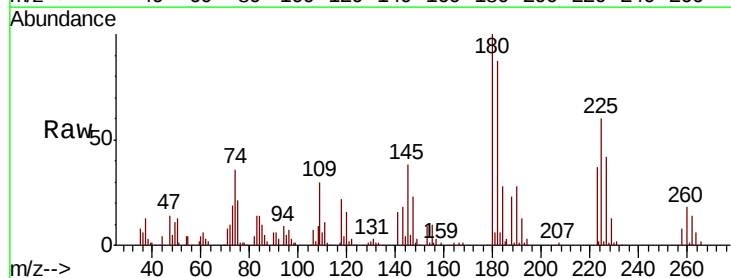
Manual Integrations
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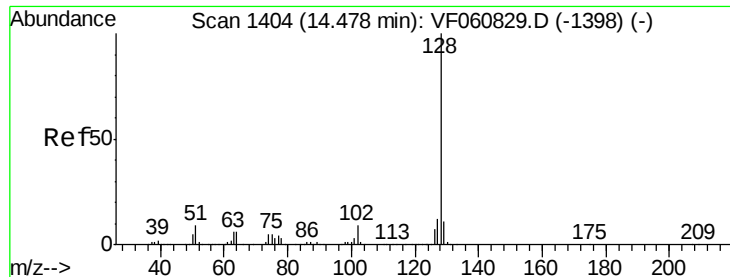
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#94
 Hexachlorobutadiene
 Concen: 20.630 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VF060892.D
 Acq: 3 Dec 2018 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	46470		
223	61.0		31.4	94.3
227	69.4		32.5	97.5





#95

Naphthalene

Concen: 17.412 ug/l

RT: 14.47 min Scan# 1403

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Instrument :

MSVOA_F

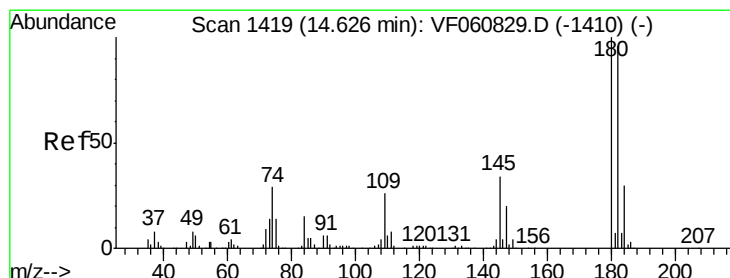
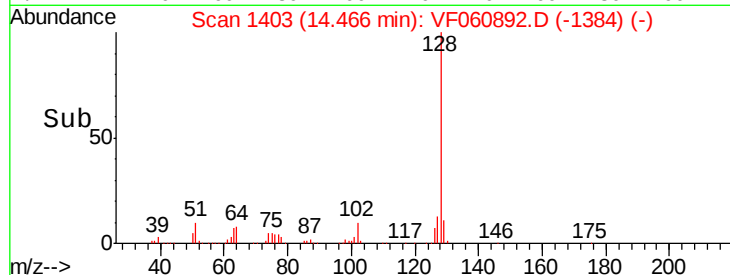
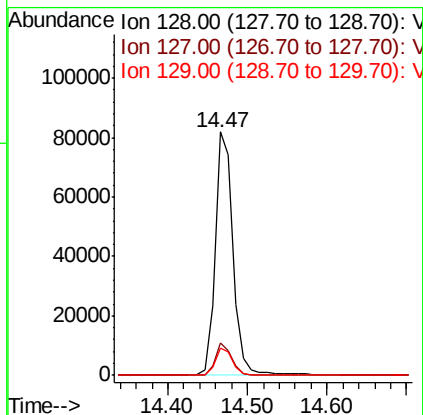
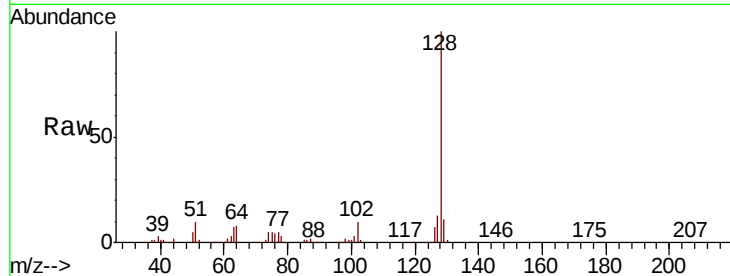
ClientSampled :

VF1203SBS01

Tot Ion:	128	Resp:	129157
Ion Ratio		Lower	Upper
128	100		
127	13.5	9.9	14.9
129	11.3	9.1	13.7

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 22.175 ug/l

RT: 14.61 min Scan# 1418

Delta R.T. -0.01 min

Lab File: VF060892.D

Acq: 3 Dec 2018 15:33

Tgt Ion:	180	Resp:	69576
Ion Ratio		Lower	Upper
180	100		
182	90.2	47.9	143.8
145	35.9	17.2	51.5

