

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111618\
 Data File : VF060763.D
 Acq On : 16 Nov 2018 14:07
 Operator : VA/AP
 Sample : VF1116SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1116SBS01

Manual Integrations
 APPROVED

apatel
 11/19/2018 12:44:39 PM

Quant Time: Nov 17 04:35:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	174472	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.61	114	291524	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.79	117	265962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	147368	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	97626	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
35) Dibromofluoromethane	4.13	113	110024	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
50) Toluene-d8	7.57	98	281651	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	11.42	95	136918	53.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	67101	21.490	ug/l	94
3) Chloromethane	1.10	50	44838	23.155	ug/l	95
4) Vinyl Chloride	1.15	62	37992	21.932	ug/l	97
5) Bromomethane	1.32	94	24658	22.409	ug/l	90
6) Chloroethane	1.38	64	15176	22.392	ug/l	91
7) Trichlorofluoromethane	1.50	101	81471	21.268	ug/l	100
8) Diethyl Ether	1.64	74	10330	21.047	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.83	101	41490	22.984	ug/l	97
10) Methyl Iodide	1.90	142	63507m	21.927	ug/l	
11) Tert butyl alcohol	2.58	59	11209	123.762	ug/l #	84
12) 1,1-Dichloroethene	1.79	96	29935	21.031	ug/l #	74
13) Acrolein	2.01	56	7791	94.081	ug/l	83
14) Allyl chloride	2.11	41	56271	22.566	ug/l	97
15) Acrylonitrile	2.96	53	22805	118.167	ug/l	94
16) Acetone	2.24	43	50167	117.940	ug/l	99
17) Carbon Disulfide	1.83	76	91482m	21.265	ug/l	
18) Methyl Acetate	2.35	43	20039	28.690	ug/l	98
19) Methyl tert-butyl Ether	2.43	73	79948	23.412	ug/l	99
20) Methylene Chloride	2.19	84	38310m	25.709	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	33188	22.317	ug/l	97
22) Diisopropyl ether	2.81	45	106452	22.112	ug/l	96
23) Vinyl Acetate	3.20	43	260201	114.775	ug/l	98
24) 1,1-Dichloroethane	2.89	63	68006	23.332	ug/l	99
25) 2-Butanone	4.35	43	79176	113.166	ug/l	99
26) 2,2-Dichloropropane	3.62	77	49463	21.565	ug/l	97
27) cis-1,2-Dichloroethene	3.49	96	53960	21.329	ug/l	97
28) Bromochloromethane	3.73	49	34818	22.986	ug/l	96
29) Tetrahydrofuran	4.09	42	35280	122.248	ug/l	98
30) Chloroform	3.87	83	91447	19.555	ug/l	100
31) Cyclohexane	3.69	56	75561	21.360	ug/l	91
32) 1,1,1-Trichloroethane	4.11	97	78986	21.448	ug/l	96
36) 1,1-Dichloropropene	4.30	75	68024	20.120	ug/l	97
37) Ethyl Acetate	4.13	43	30964	24.634	ug/l	82
38) Carbon Tetrachloride	4.01	117	65396	19.934	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	87997	22.434	ug/l	98
40) Benzene	4.64	78	162198	21.521	ug/l	99
41) Methacrylonitrile	4.77	41	14860	19.535	ug/l	93
42) 1,2-Dichloroethane	4.96	62	54285	20.843	ug/l	100
43) Isopropyl Acetate	6.97	43	35337	21.203	ug/l #	94
44) Trichloroethene	5.52	130	52769	22.192	ug/l	94
45) 1,2-Dichloropropane	6.25	63	39507	20.145	ug/l #	89
46) Dibromomethane	6.10	93	26220	20.254	ug/l	98
47) Bromodichloromethane	6.41	83	65332	19.762	ug/l	99
48) Methyl methacrylate	6.73	41	23107	20.950	ug/l	96
49) 1,4-Dioxane	6.73	88	3800	368.377	ug/l #	74
51) 4-Methyl-2-Pentanone	8.27	43	130733	108.460	ug/l	97
52) Toluene	7.64	92	101926	20.181	ug/l	88
53) t-1,3-Dichloropropene	8.29	75	52929	19.990	ug/l	91
54) cis-1,3-Dichloropropene	7.32	75	68852	20.019	ug/l	96
55) 1,1,2-Trichloroethane	8.51	97	27650	19.161	ug/l	94
56) Ethyl methacrylate	8.64	69	31175	19.023	ug/l	99
57) 1,3-Dichloropropane	8.86	76	51922	20.762	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.64	63	15787	105.453	ug/l	100
59) 2-Hexanone	9.51	43	87614	103.429	ug/l	99
60) Dibromochloromethane	8.74	129	42891	20.855	ug/l	97
61) 1,2-Dibromoethane	9.00	107	29810	19.643	ug/l	95
64) Tetrachloroethene	8.17	164	43370	20.592	ug/l	94
65) Chlorobenzene	9.81	112	109639	20.429	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.95	131	47163	20.148	ug/l	98
67) Ethyl Benzene	9.92	91	208628	20.623	ug/l	98
68) m/p-Xylenes	10.15	106	152943	42.304	ug/l	92
69) o-Xylene	10.73	106	81660	20.090	ug/l	100
70) Styrene	10.81	104	116417	21.104	ug/l	100
71) Bromoform	10.79	173	21339	20.272	ug/l #	99
73) Isopropylbenzene	11.13	105	250318	21.102	ug/l	95
74) N-amyl acetate	11.38	43	56595	20.958	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.70	83	41986	21.409	ug/l	94
76) 1,2,3-Trichloropropane	11.80	75	30207	20.739	ug/l	94
77) Bromobenzene	11.51	156	54014	21.876	ug/l	96
78) n-propylbenzene	11.61	91	287424	20.776	ug/l	97
79) 2-Chlorotoluene	11.73	91	169419	21.070	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	208831	22.175	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.88	75	15705m	21.948	ug/l	
82) 4-Chlorotoluene	11.91	91	167759	20.366	ug/l	99
83) tert-Butylbenzene	12.14	119	218588	21.861	ug/l	98
84) 1,2,4-Trimethylbenzene	12.22	105	201304	20.668	ug/l	94
85) sec-Butylbenzene	12.32	105	279957	20.640	ug/l	98
86) p-Isopropyltoluene	12.47	119	236542	20.880	ug/l	96
87) 1,3-Dichlorobenzene	12.48	146	103452	21.054	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	99340	21.035	ug/l	93
89) n-Butylbenzene	12.86	91	247632	21.419	ug/l	94
90) Hexachloroethane	12.93	117	57359	20.701	ug/l	94
91) 1,2-Dichlorobenzene	12.96	146	99255	21.453	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.66	75	7309	19.829	ug/l	70

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Quant Title : SW846 8260
QLast Update : Wed Nov 14 03:11:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	72310	21.745	ug/l	93
94) Hexachlorobutadiene	14.20	225	44219	20.349	ug/l	96
95) Naphthalene	14.47	128	119073	19.624	ug/l	100
96) 1,2,3-Trichlorobenzene	14.61	180	63899	20.795	ug/l	97

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

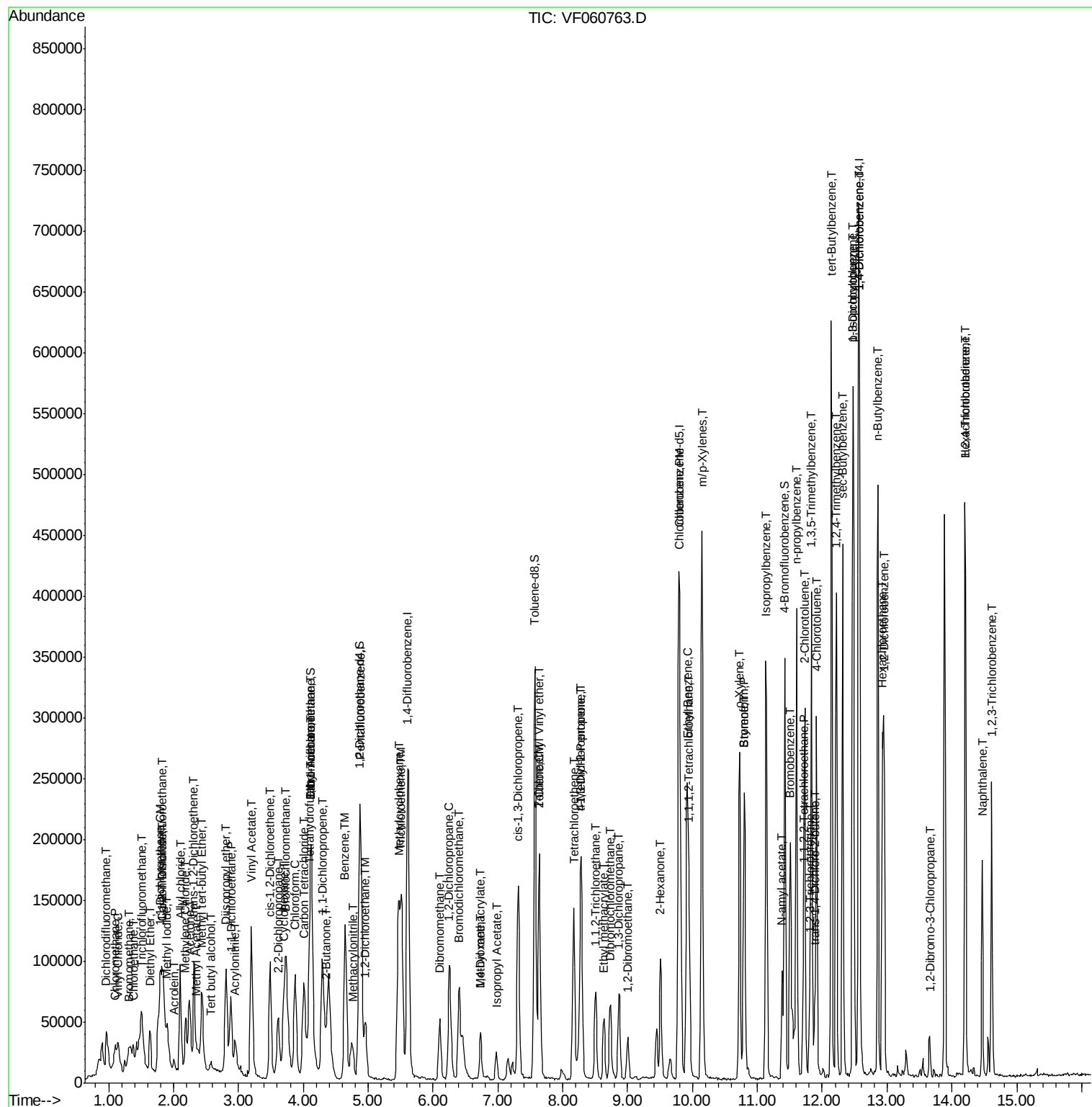
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Data File : VF060763.D
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Operator : VA/AP
Sample : VF1116SBS01
Misc : 5.00µ/5mL/MSVOA-F/SOIL
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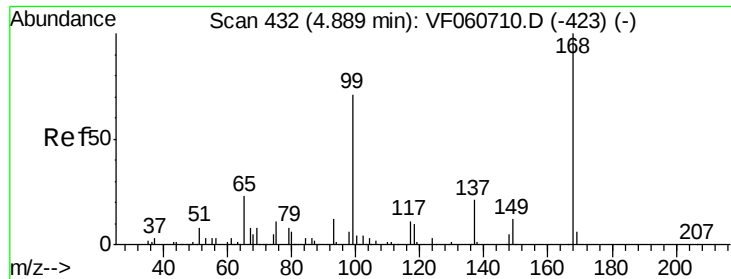
Instrument :
MSVOA_F
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

Tot Ion:168 Resp: 174472

Ion Ratio Lower Upper

168 100

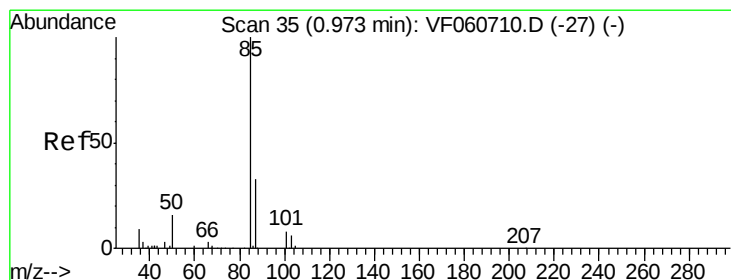
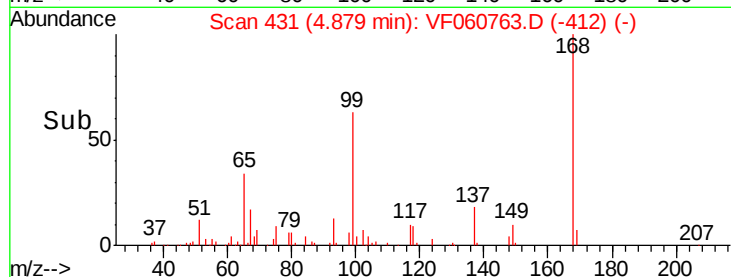
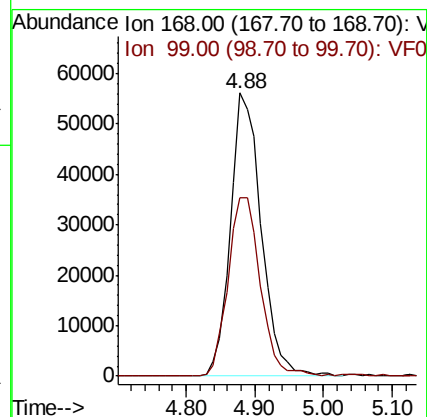
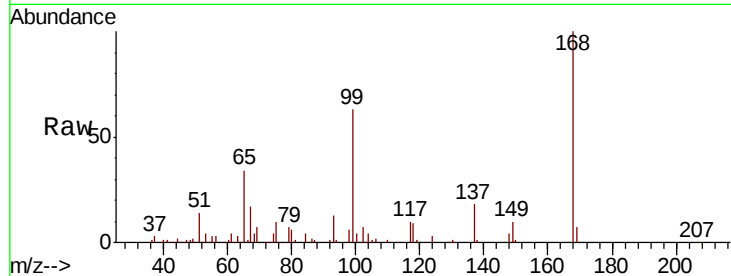
99 63.2 57.2 85.8

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 21.490 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060763.D

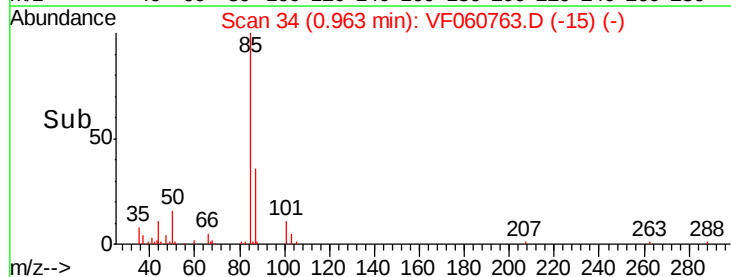
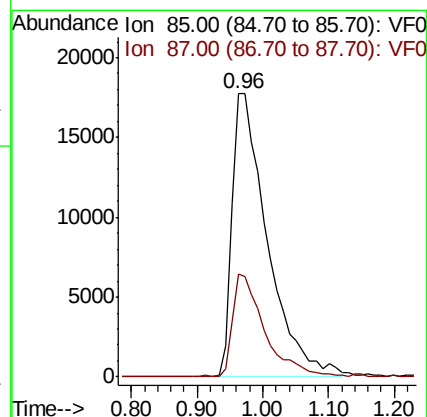
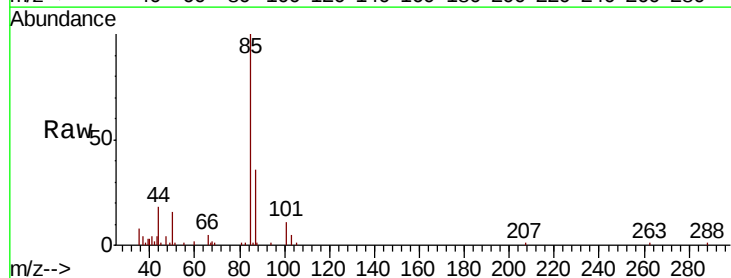
Acq: 16 Nov 2018 14:07

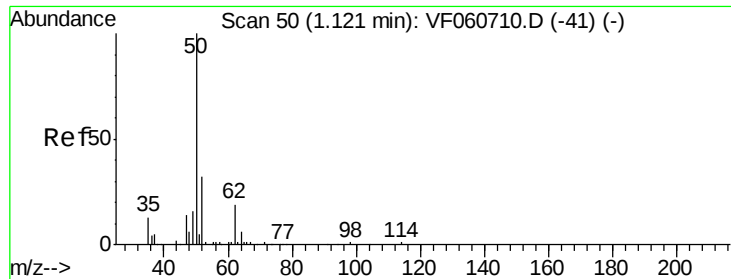
Tgt Ion: 85 Resp: 67101

Ion Ratio Lower Upper

85 100

87 36.2 16.3 48.9





#3

Chloromethane

Concen: 23.155 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.02 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

Tot Ion: 50 Resp: 44838

Ion Ratio Lower Upper

50 100

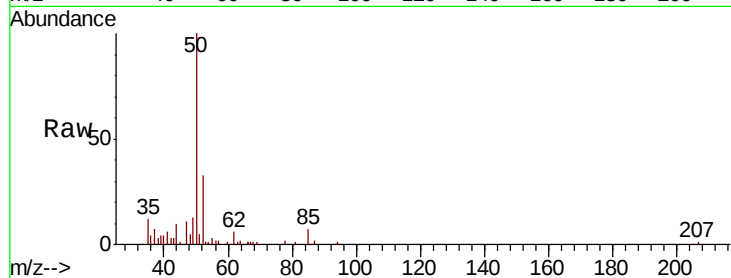
52 33.2 24.2 36.2

Manual Integrations

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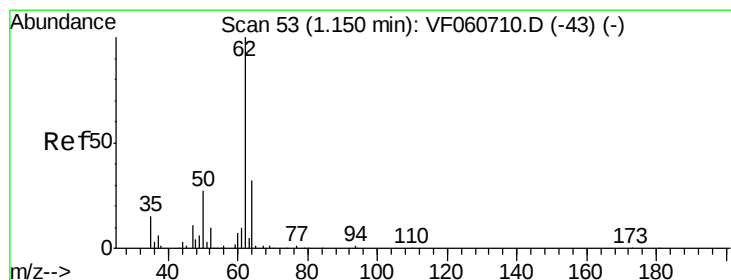
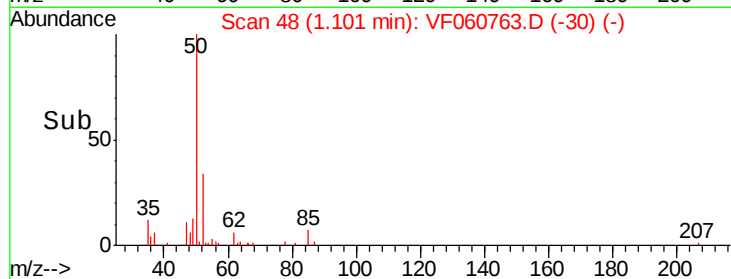
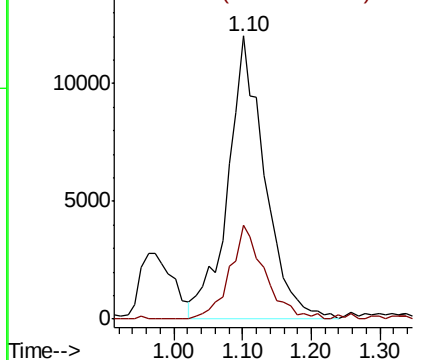
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 21.932 ug/l

RT: 1.15 min Scan# 53

Delta R.T. -0.00 min

Lab File: VF060763.D

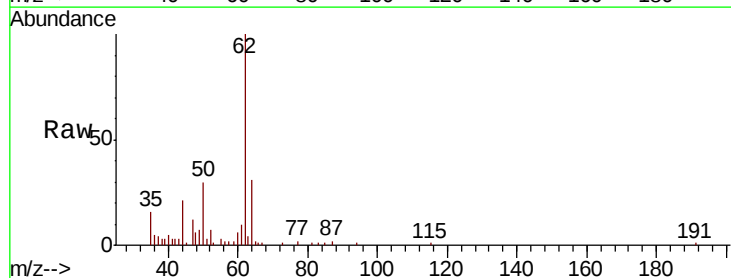
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Tgt Ion: 62 Resp: 37992

Ion Ratio Lower Upper

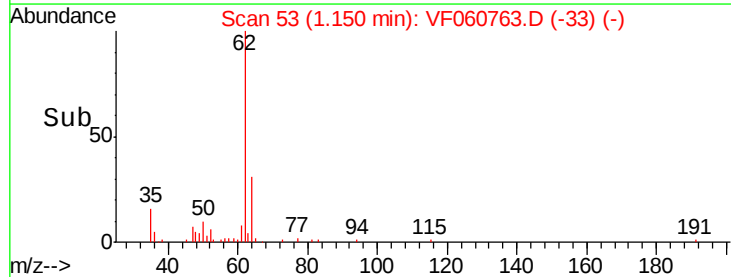
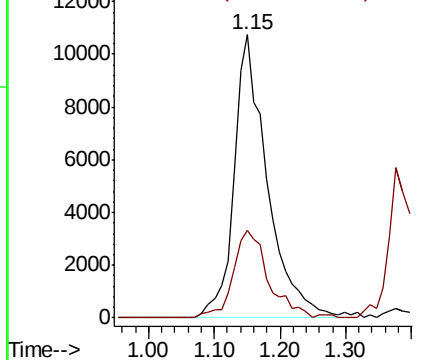
62 100

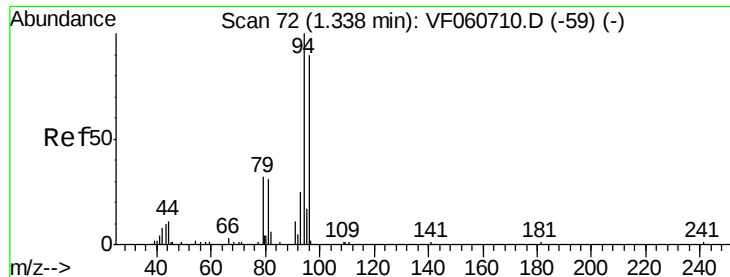
64 30.9 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 22.409 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.02 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

Tot Ion: 94 Resp: 24658

Ion Ratio Lower Upper

94 100

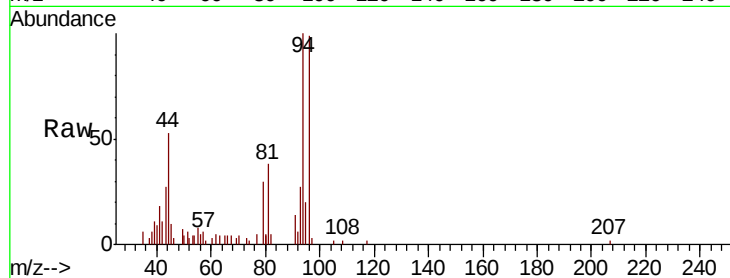
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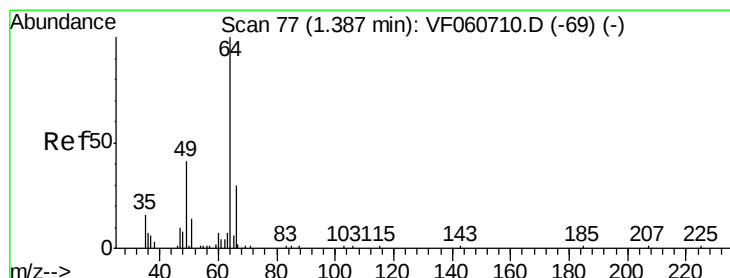
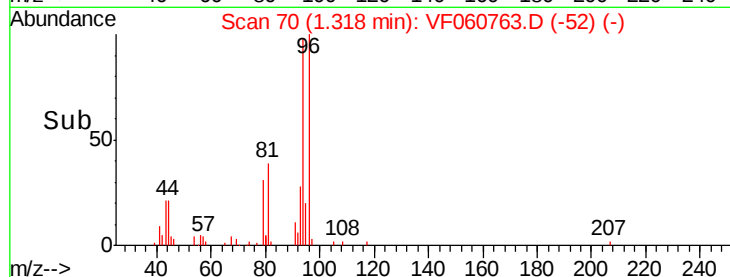
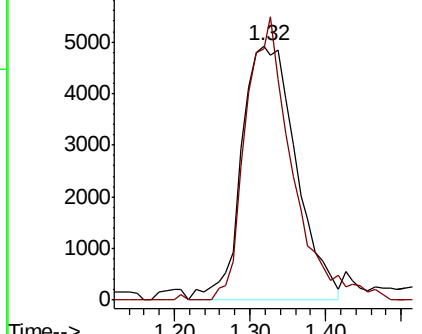
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 22.392 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF060763.D

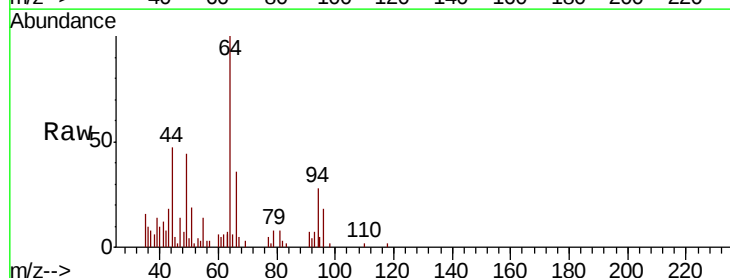
Acq: 16 Nov 2018 14:07

Tgt Ion: 64 Resp: 15176

Ion Ratio Lower Upper

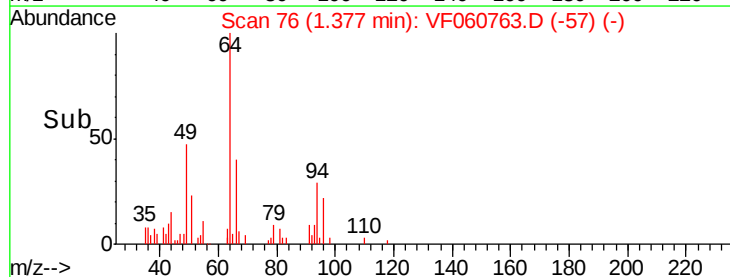
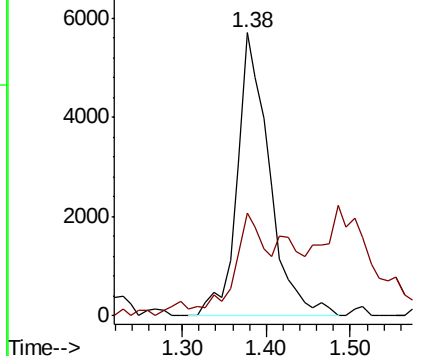
64 100

66 36.1 24.8 37.2



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

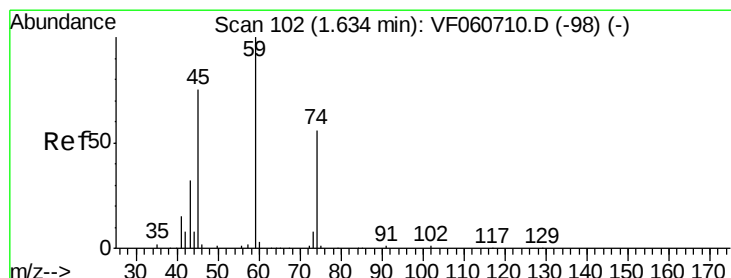
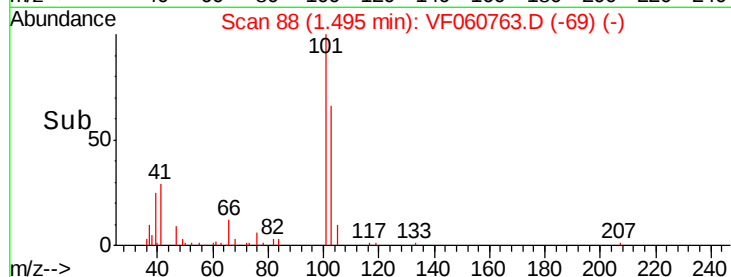
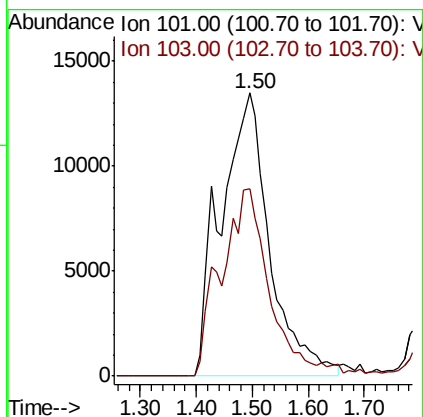
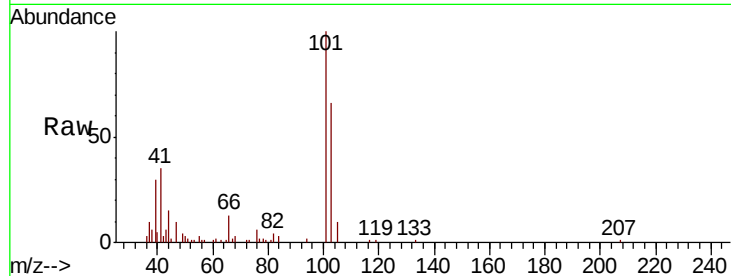
Trichlorofluoromethane
Concen: 21.268 ug/l
RT: 1.50 min Scan# 88
Delta R.T. -0.01 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion:101 Resp: 81471
Ion Ratio Lower Upper
101 100
103 66.2 53.1 79.7

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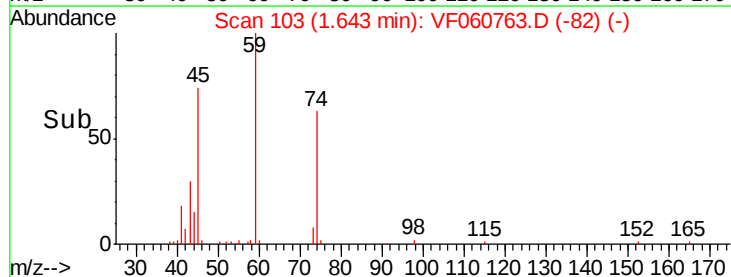
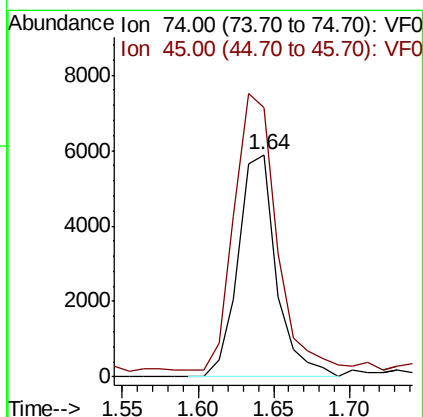
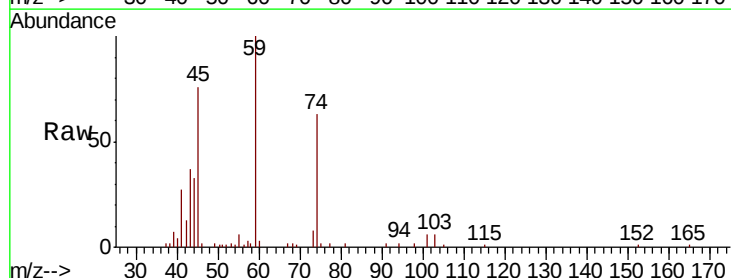
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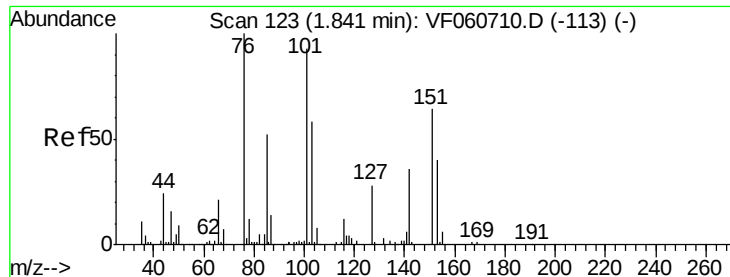


#8

Diethyl Ether
Concen: 21.047 ug/l
RT: 1.64 min Scan# 103
Delta R.T. 0.01 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Tgt Ion: 74 Resp: 10330
Ion Ratio Lower Upper
74 100
45 121.2 67.7 203.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.984 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampled :

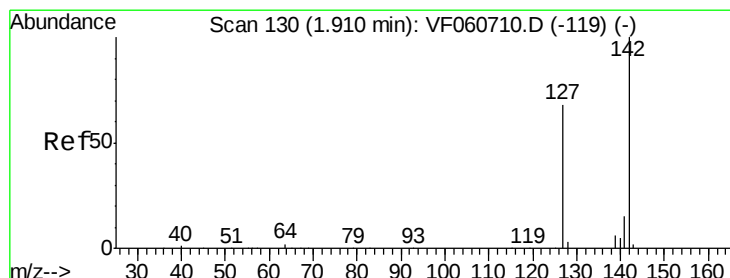
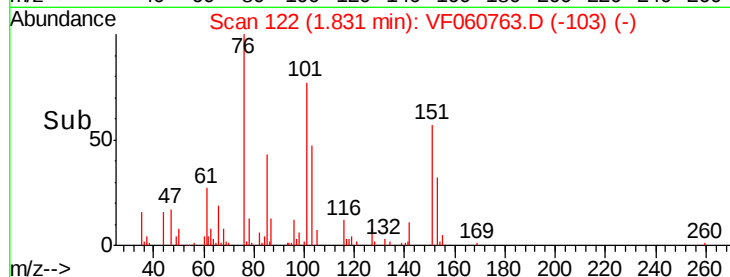
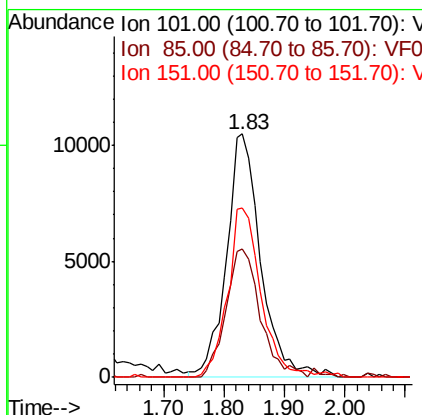
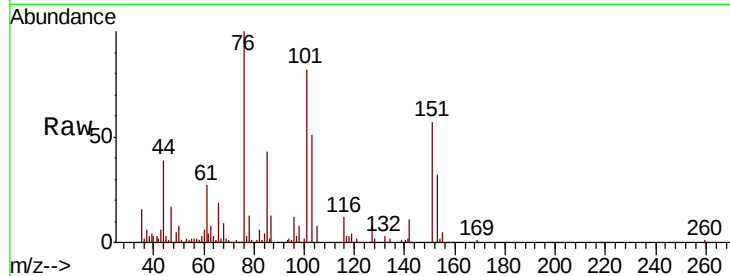
VF1116SBS01

Tot Ion:	101	Resp:	41490
Ion Ratio	Lower	Upper	
101	100		
85	52.5	43.6	65.4
151	69.7	53.1	79.7

Manual Integrations
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#10

Methyl Iodide

Concen: 21.927 ug/l m

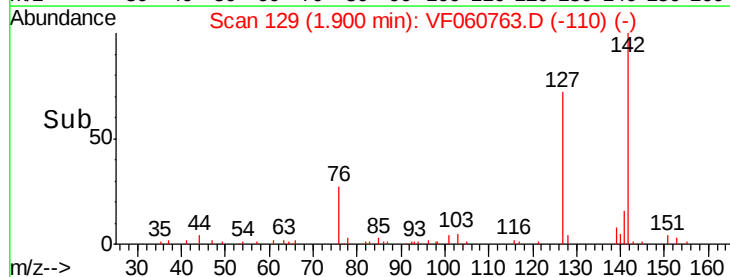
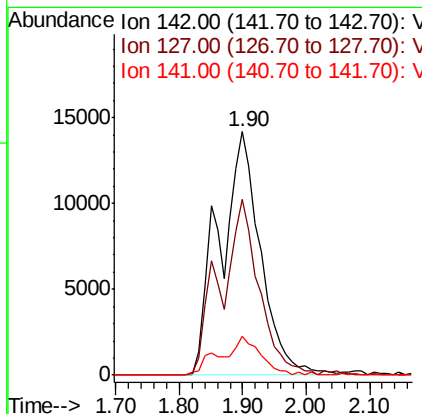
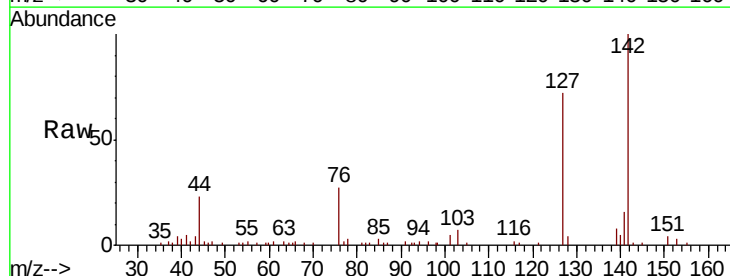
RT: 1.90 min Scan# 129

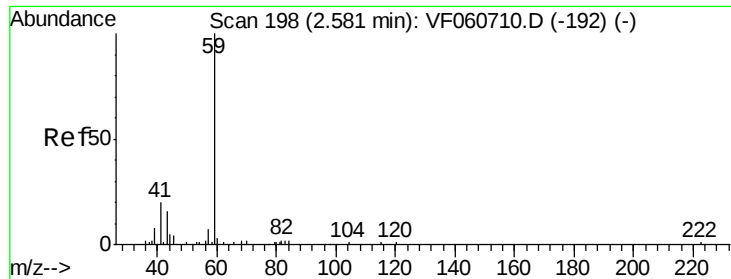
Delta R.T. -0.01 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Tgt Ion:	142	Resp:	63507
Ion Ratio	Lower	Upper	
142	100		
127	72.0	54.0	81.0
141	16.0	12.3	18.5





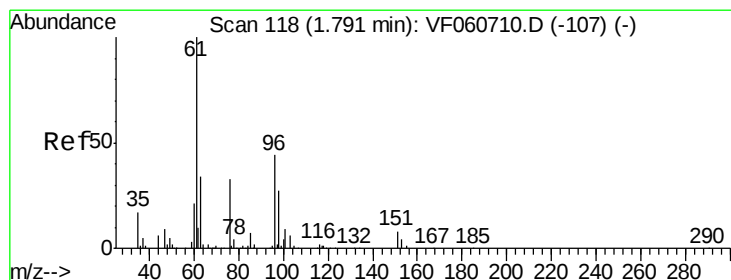
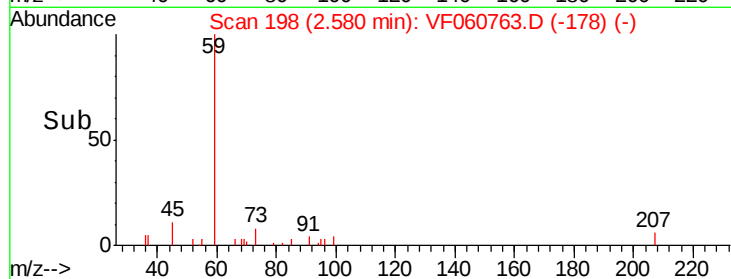
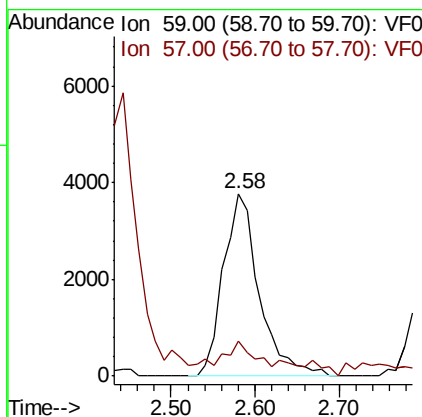
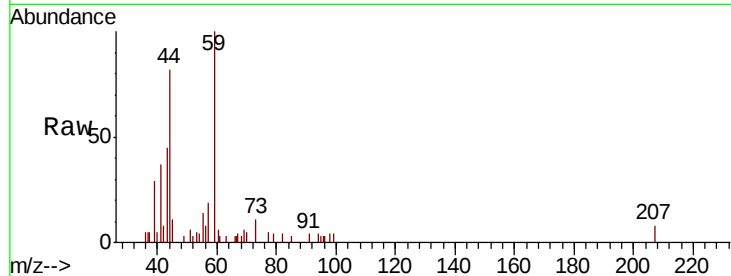
#11
Tert butyl alcohol
Concen: 123.762 ug/l
RT: 2.58 min Scan# 198
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion: 59 Resp: 11209
Ion Ratio Lower Upper
59 100
57 19.5 10.5 15.7#

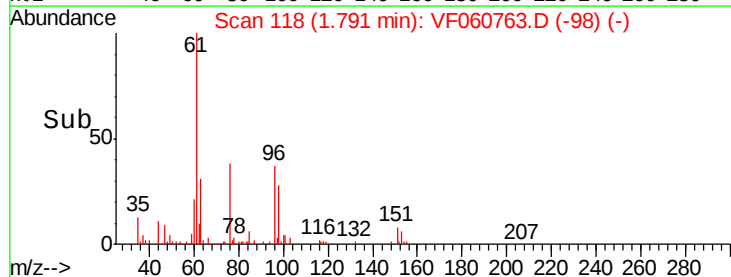
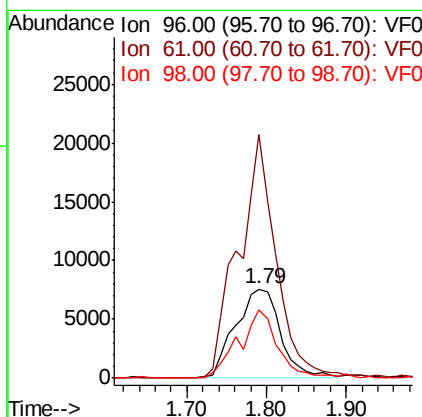
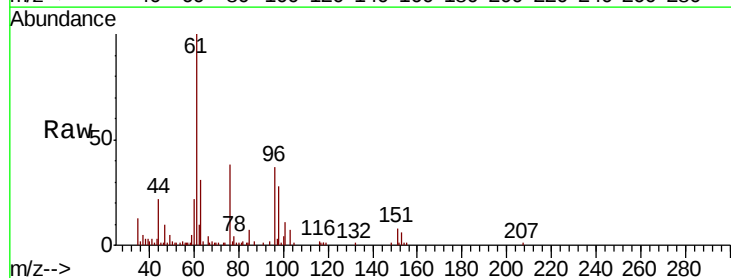
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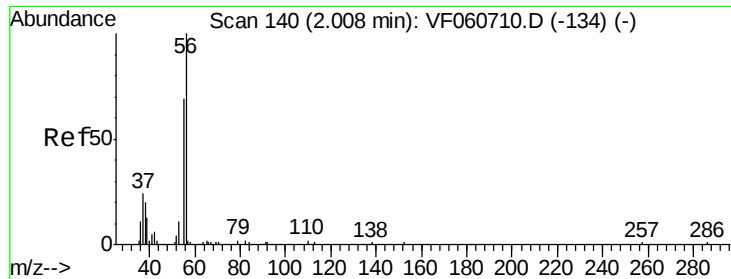
apatel
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#12
1,1-Dichloroethene
Concen: 21.031 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Tgt Ion: 96 Resp: 29935
Ion Ratio Lower Upper
96 100
61 273.6 182.2 273.2#
98 77.4 49.2 73.8#





#13

Acrolein

Concen: 94.081 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

Tot Ion: 56 Resp: 7791

Ion Ratio Lower Upper

56 100

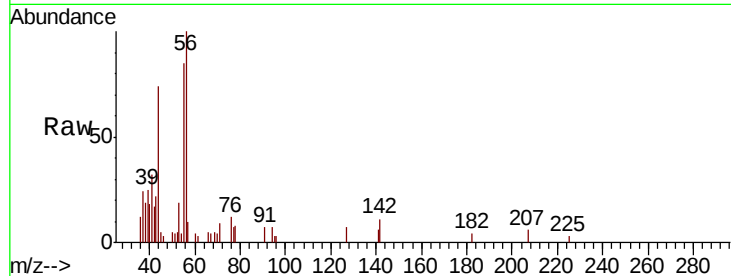
55 84.8 56.6 85.0

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.01

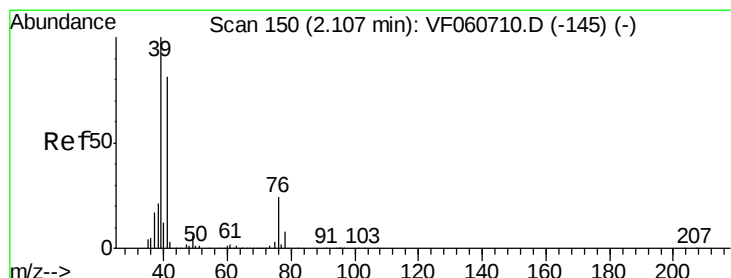
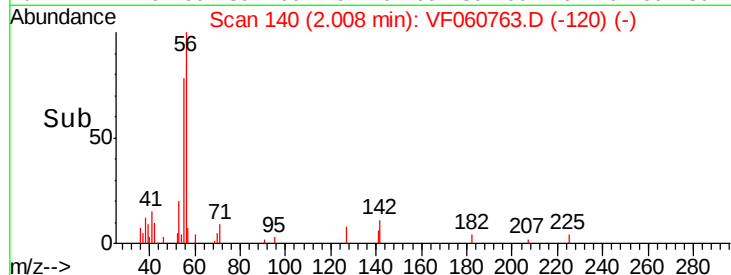
3000

2000

1000

0

Time-->



#14

Allyl chloride

Concen: 22.566 ug/l

RT: 2.11 min Scan# 150

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

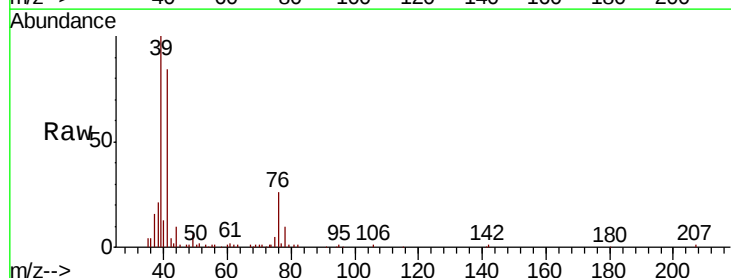
Tgt Ion: 41 Resp: 56271

Ion Ratio Lower Upper

41 100

39 118.9 98.5 147.7

76 30.5 24.5 36.7



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

40000

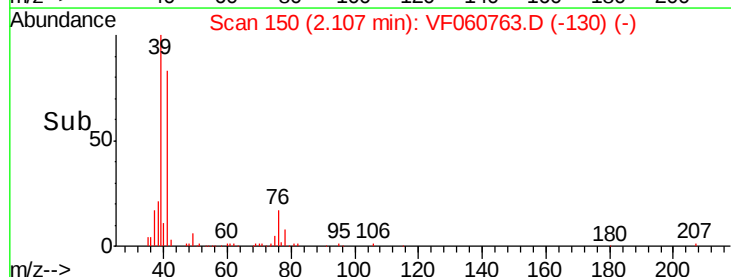
30000

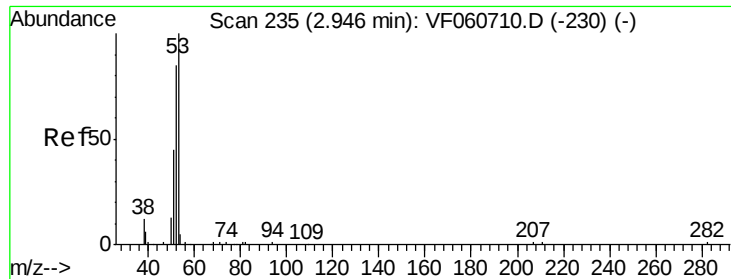
20000

10000

0

Time-->





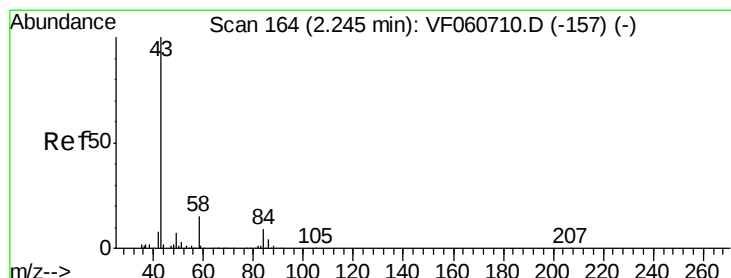
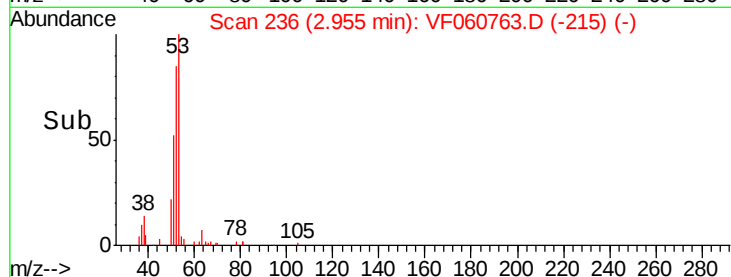
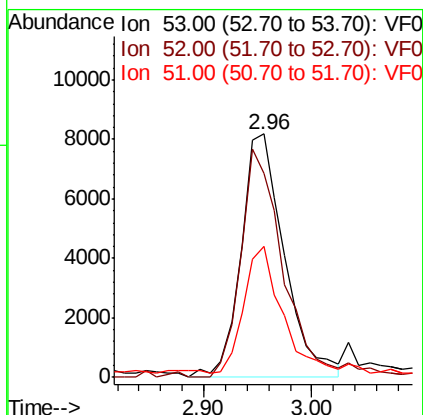
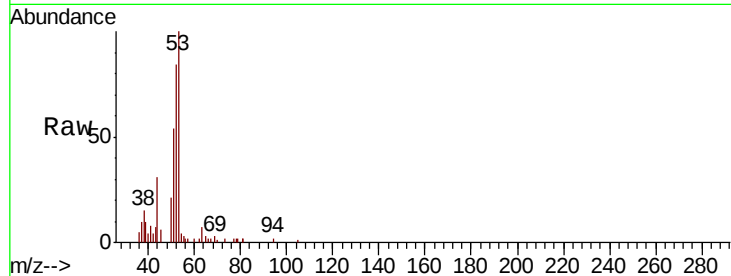
#15
 Acrylonitrile
 Concen: 118.167 ug/l
 RT: 2.96 min Scan# 236
 Delta R.T. 0.01 min
 Lab File: VF060763.D
 Acq: 16 Nov 2018 14:07

Instrument :
 MSVOA_F
 ClientSampleID :
 VF1116SBS01

Tot Ion:	53	Resp:	22805
Ion	Ratio	Lower	Upper
53	100		
52	84.0	68.8	103.2
51	53.8	36.7	55.1

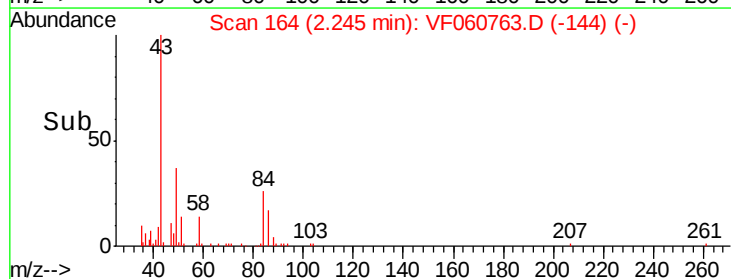
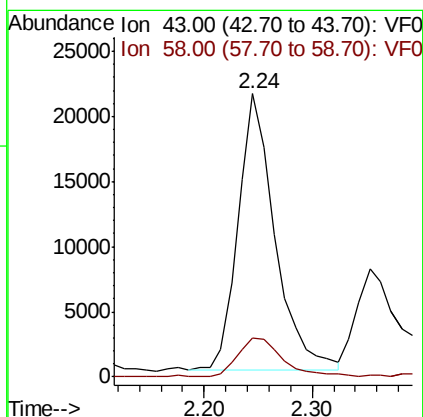
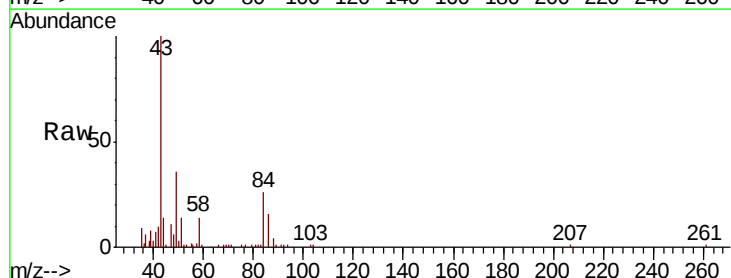
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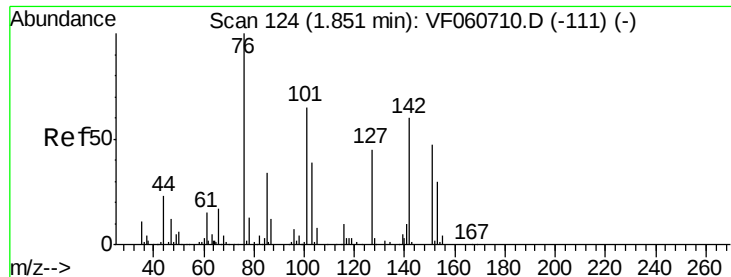
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#16
 Acetone
 Concen: 117.940 ug/l
 RT: 2.24 min Scan# 164
 Delta R.T. -0.00 min
 Lab File: VF060763.D
 Acq: 16 Nov 2018 14:07

Tgt Ion:	43	Resp:	50167
Ion	Ratio	Lower	Upper
43	100		
58	13.9	11.6	17.4





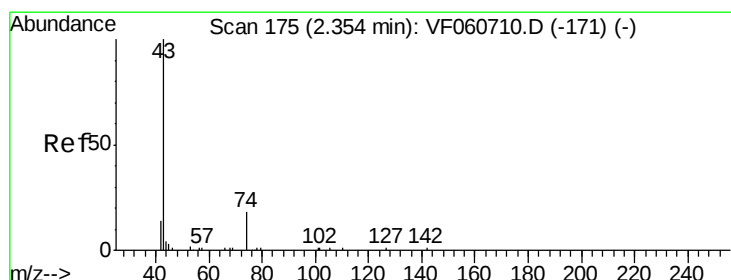
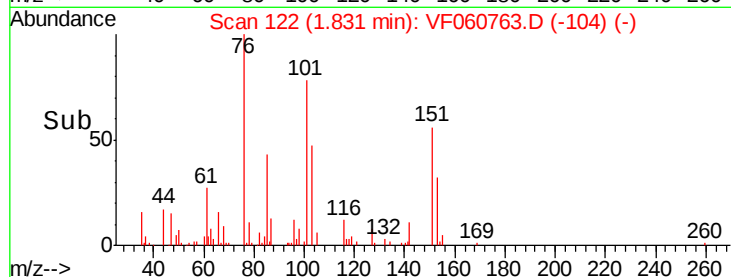
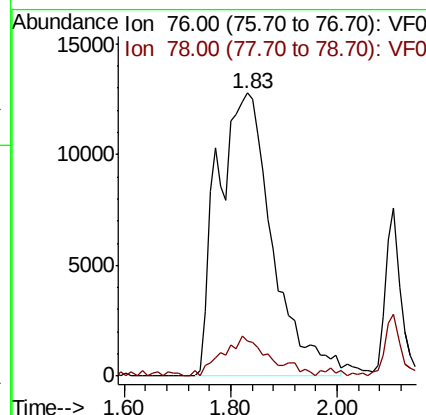
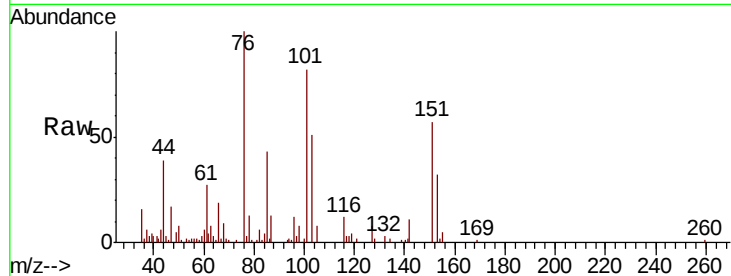
#17
Carbon Disulfide
Concen: 21.265 ug/l m
RT: 1.83 min Scan# 122
Delta R.T. -0.02 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion: 76 Resp: 91482
Ion Ratio Lower Upper
76 100
78 12.6 10.5 15.7

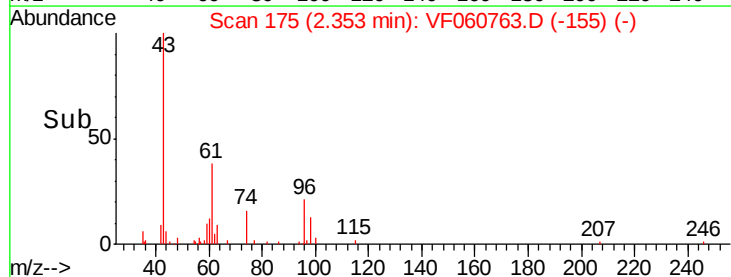
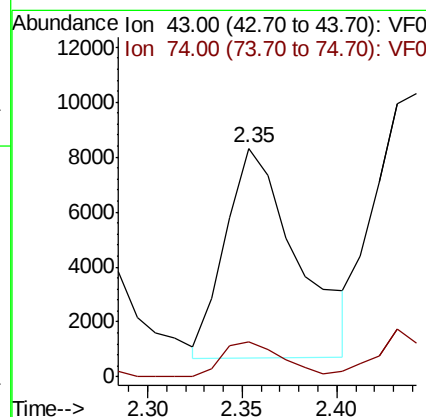
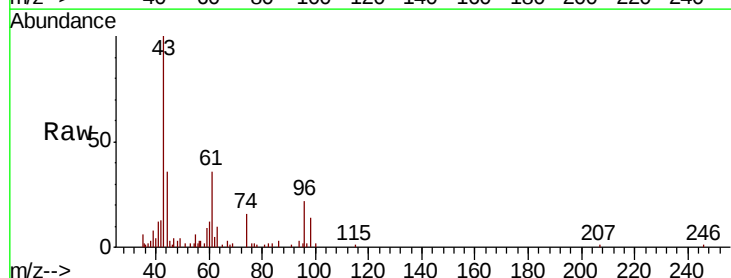
Manual Integrations
APPROVED

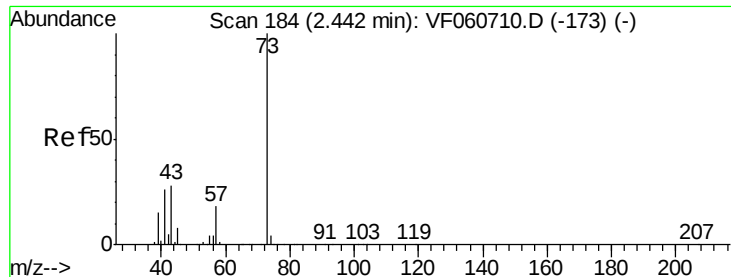
apatel
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#18
Methyl Acetate
Concen: 28.690 ug/l
RT: 2.35 min Scan# 175
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Tgt Ion: 43 Resp: 20039
Ion Ratio Lower Upper
43 100
74 15.5 11.8 17.8





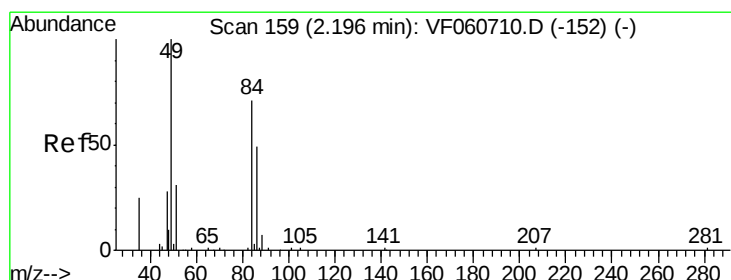
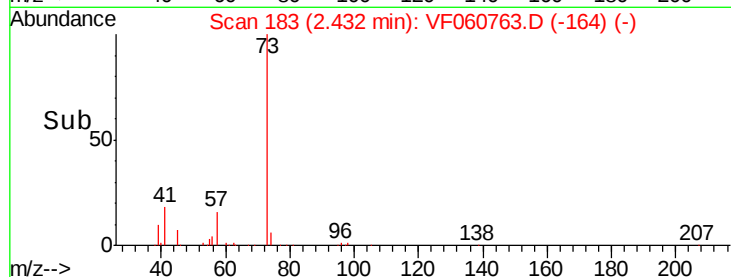
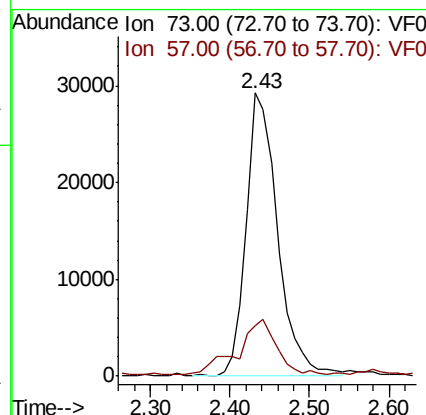
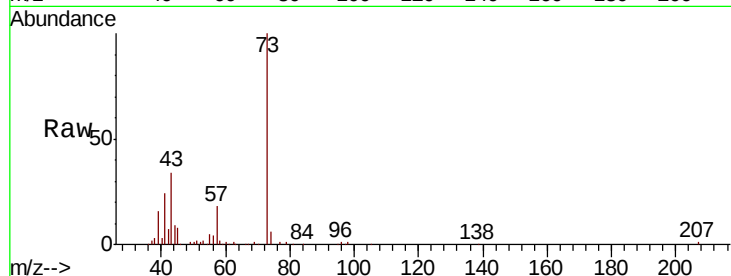
#19
Methyl tert-butyl Ether
Concen: 23.412 ug/l
RT: 2.43 min Scan# 183
Delta R.T. -0.01 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion	73	Resp	79948
Ion Ratio	100	Lower	Upper
73	100	14.3	21.5
57	17.7		

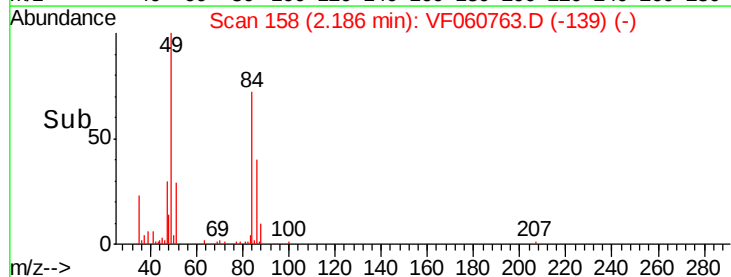
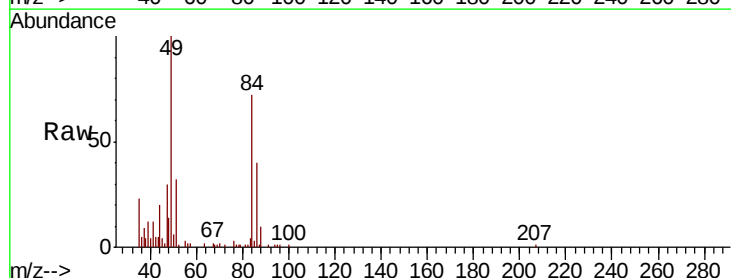
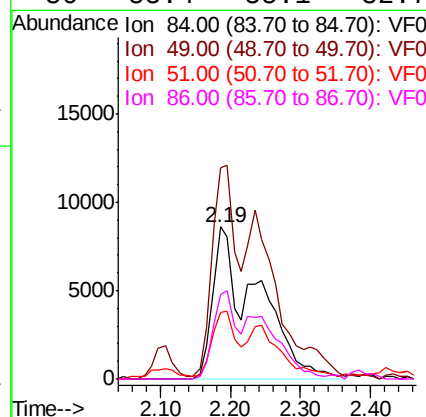
Manual Integrations
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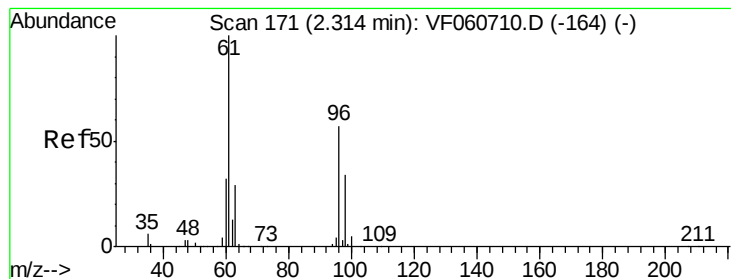
apatel
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#20
Methylene Chloride
Concen: 25.709 ug/l m
RT: 2.19 min Scan# 158
Delta R.T. -0.01 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Tgt Ion	84	Resp	38310
Ion Ratio	100	Lower	Upper
84	100	120.2	180.4
49	139.4	37.2	55.8
51	44.2	55.1	82.7
86	55.4		





#21

trans-1,2-Dichloroethene

Concen: 22.317 ug/l

RT: 2.31 min Scan# 171

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

Tot Ion: 96 Resp: 33188

Ion Ratio Lower Upper

96 100

61 180.6 141.6 212.4

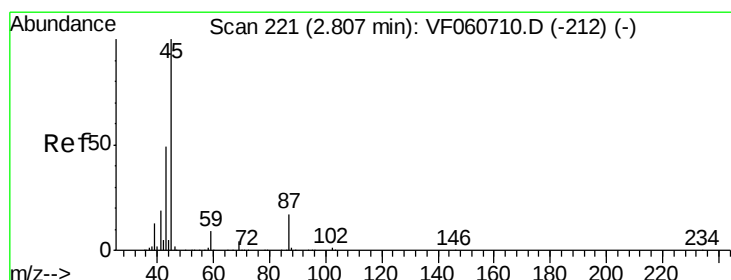
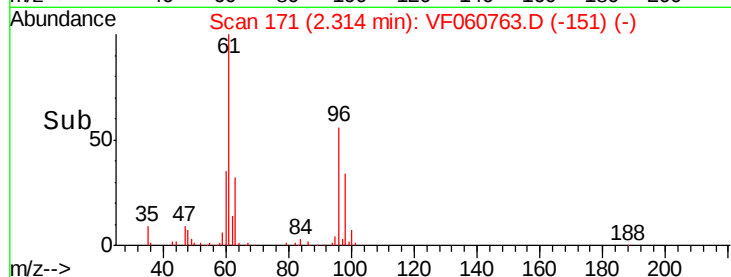
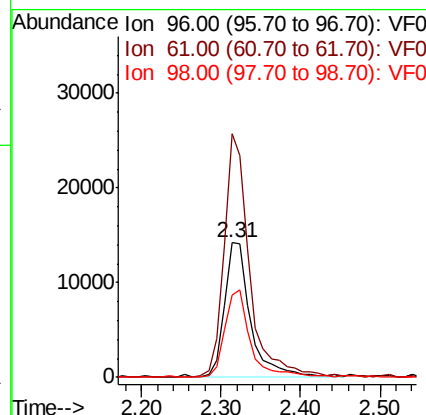
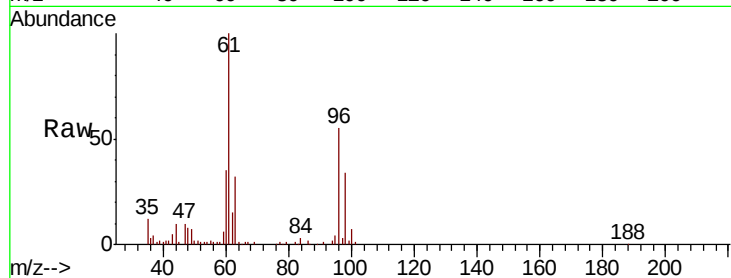
98 61.3 47.4 71.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 22.112 ug/l

RT: 2.81 min Scan# 221

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Tgt Ion: 45 Resp: 106452

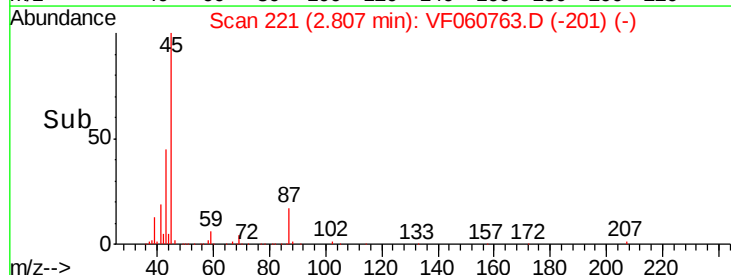
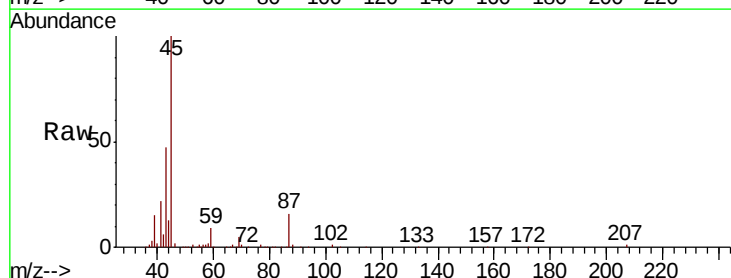
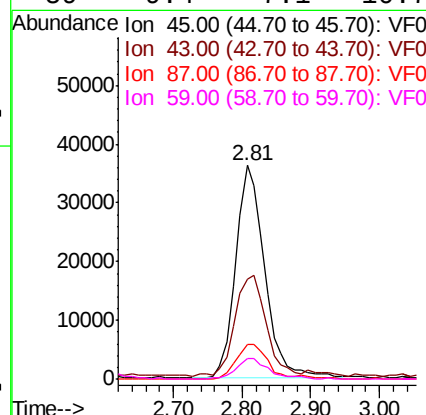
Ion Ratio Lower Upper

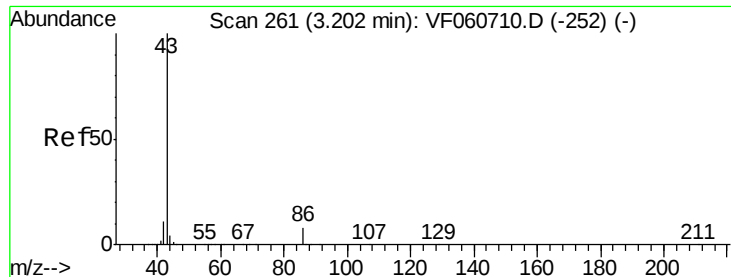
45 100

43 46.8 39.9 59.9

87 16.4 13.9 20.9

59 9.4 7.1 10.7





#23

Vinyl Acetate

Concen: 114.775 ug/l

RT: 3.20 min Scan# 261

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampled :

VF1116SBS01

Tot Ion: 43 Resp: 260201

Ion Ratio Lower Upper

43 100

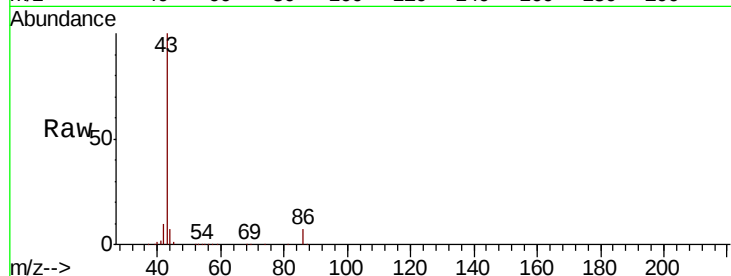
86 7.5 6.4 9.6

Manual Integrations

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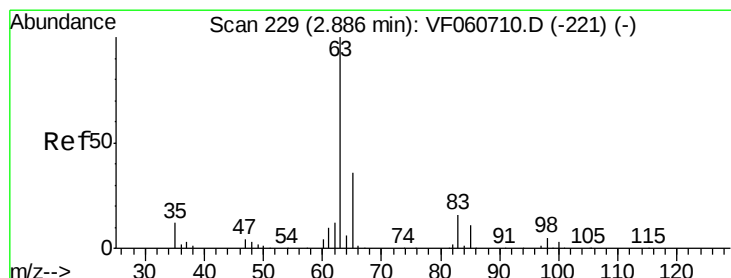
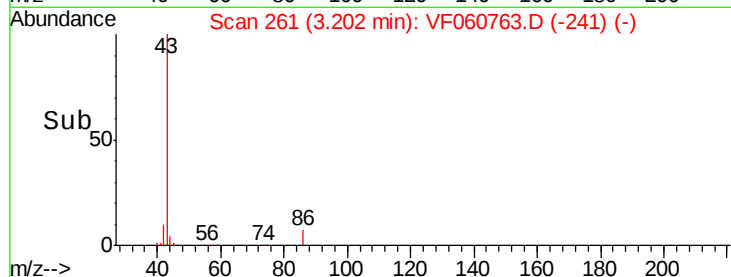
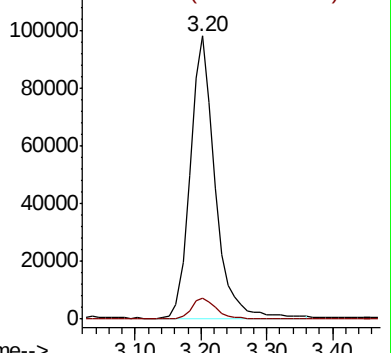
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 23.332 ug/l

RT: 2.89 min Scan# 229

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

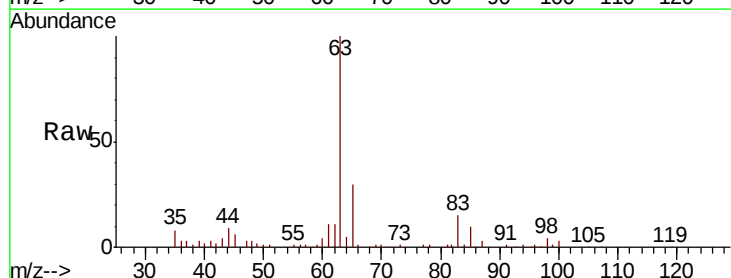
Tgt Ion: 63 Resp: 68006

Ion Ratio Lower Upper

63 100

98 4.2 2.4 7.1

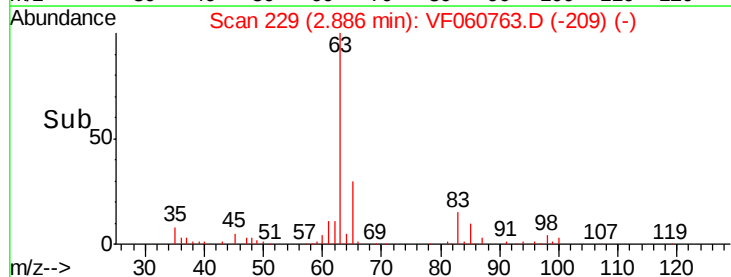
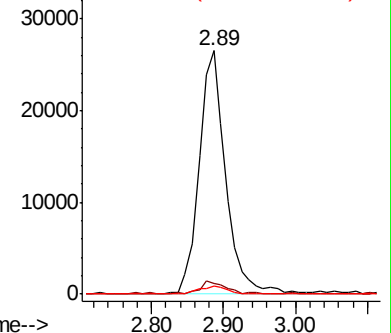
100 3.1 1.4 4.2

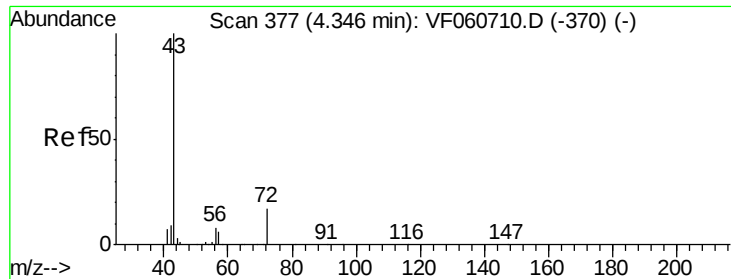


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 113.166 ug/l

RT: 4.35 min Scan# 377

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

Tot Ion: 43 Resp: 79176

Ion Ratio Lower Upper

43 100

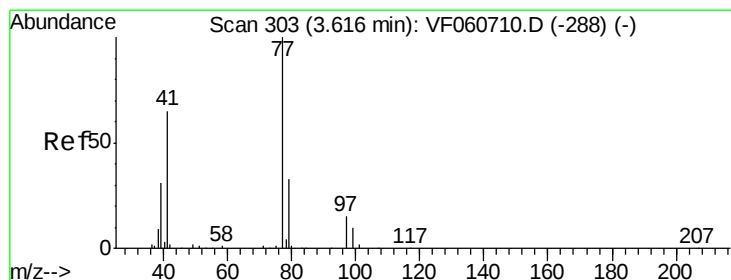
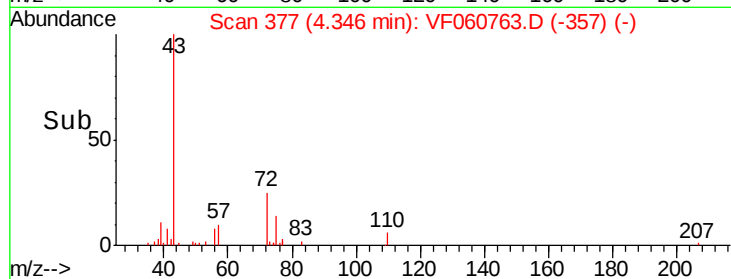
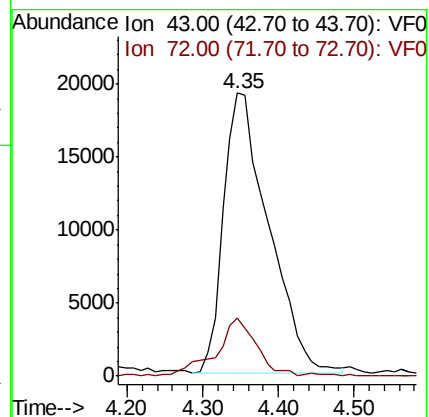
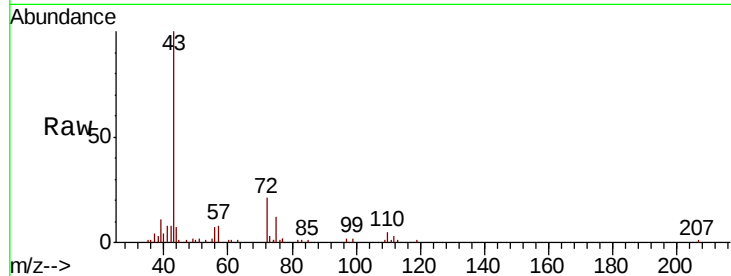
72 20.7 16.1 24.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.565 ug/l

RT: 3.62 min Scan# 303

Delta R.T. -0.00 min

Lab File: VF060763.D

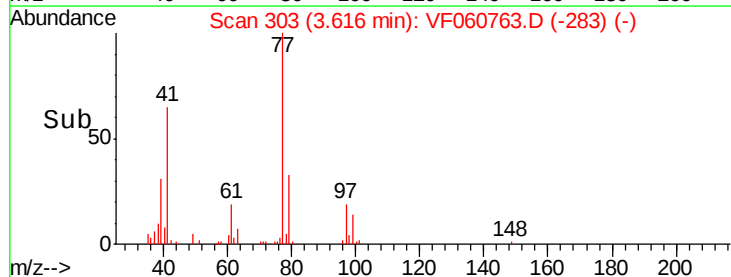
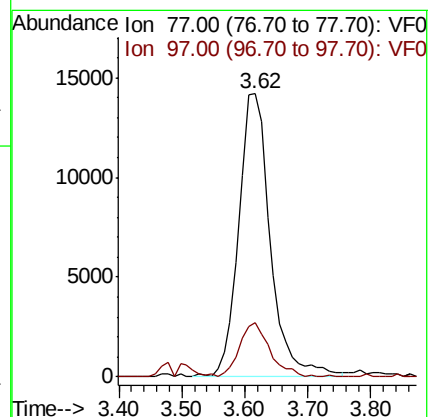
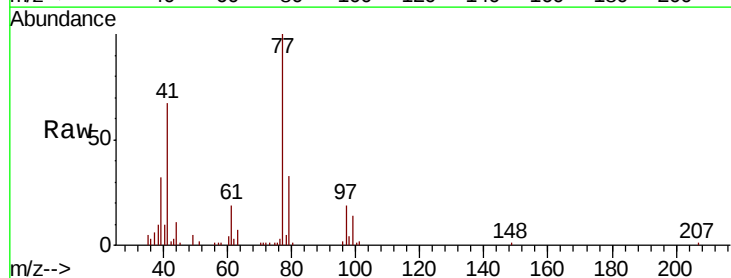
Acq: 16 Nov 2018 14:07

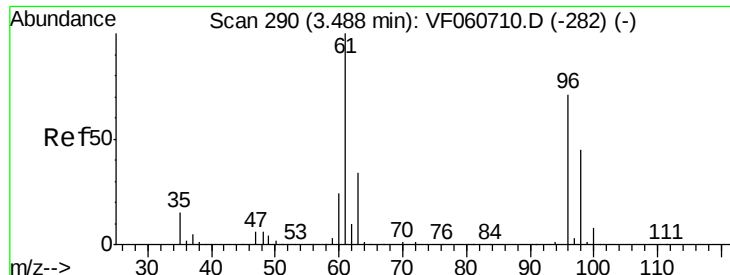
Tgt Ion: 77 Resp: 49463

Ion Ratio Lower Upper

77 100

97 19.0 8.8 26.5





#27

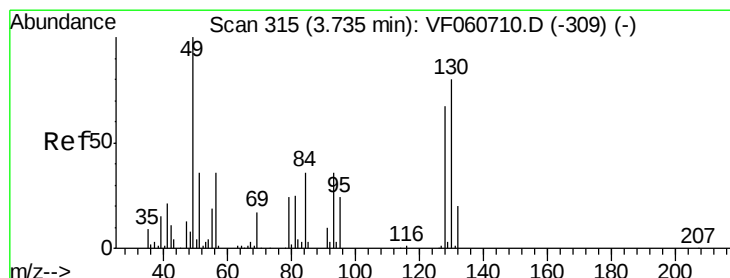
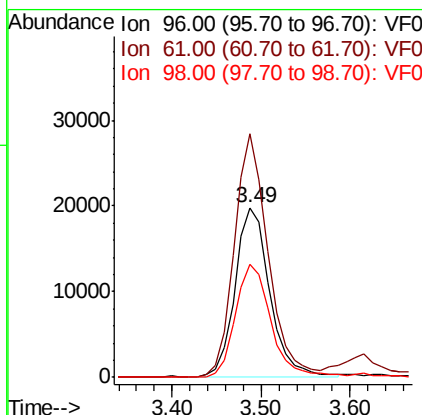
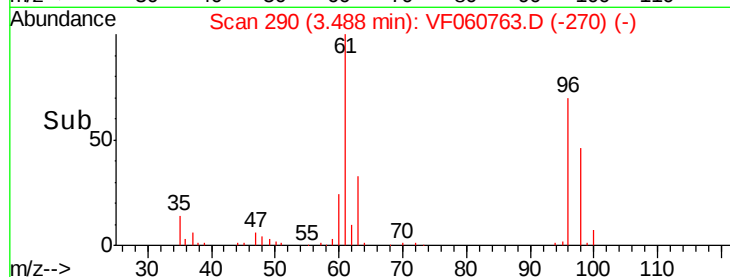
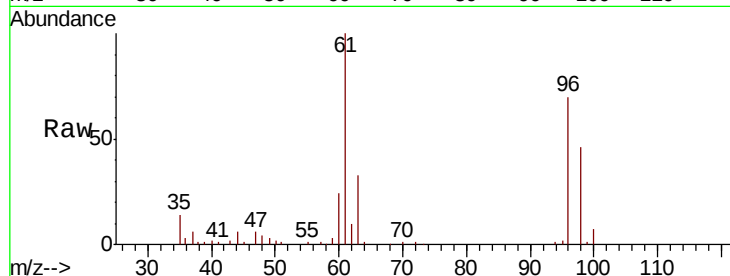
cis-1,2-Dichloroethene
 Concen: 21.329 ug/l
 RT: 3.49 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VF060763.D
 Acq: 16 Nov 2018 14:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1116SBS01

Tot Ion:	96	Resp:	53960
Ion	Ratio	Lower	Upper
96	100		
61	143.5	0.0	280.6
98	66.3	0.0	127.6

Manual Integrations
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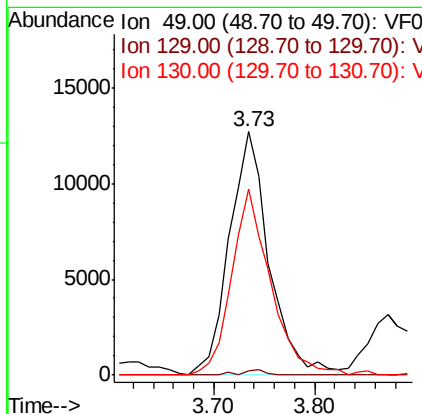
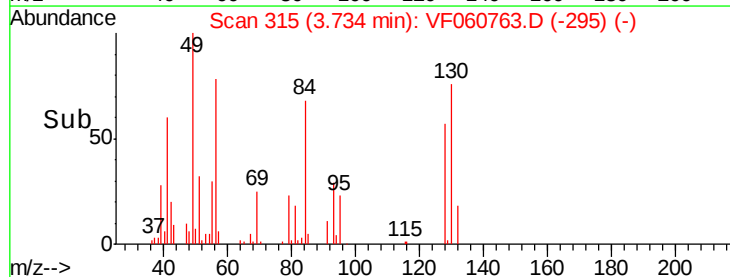
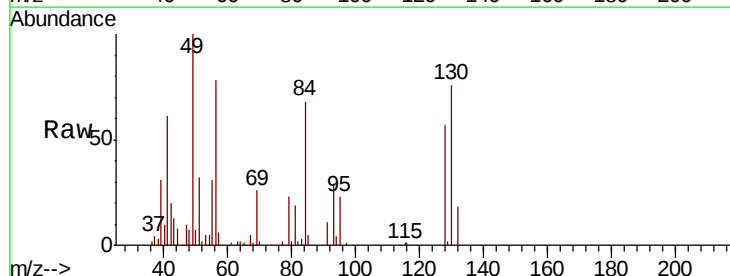
apatel
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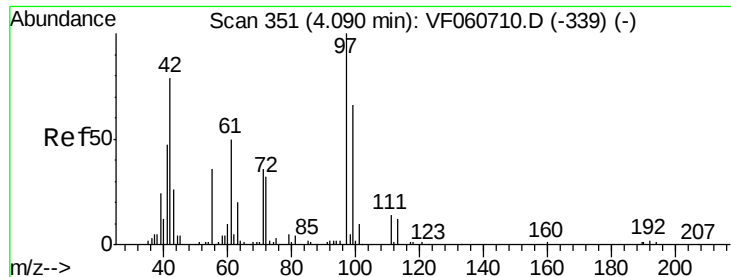


#28

Bromochloromethane
 Concen: 22.986 ug/l
 RT: 3.73 min Scan# 315
 Delta R.T. -0.00 min
 Lab File: VF060763.D
 Acq: 16 Nov 2018 14:07

Tgt Ion:	49	Resp:	34818
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	5.2
130	76.5	63.9	95.9





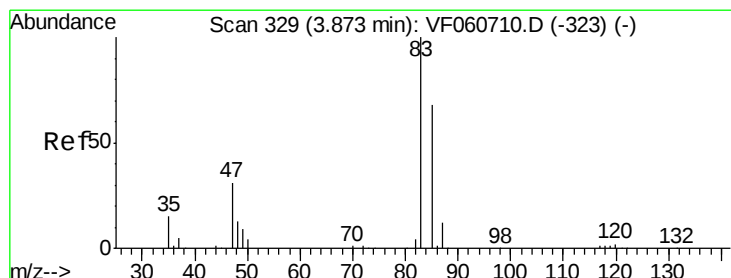
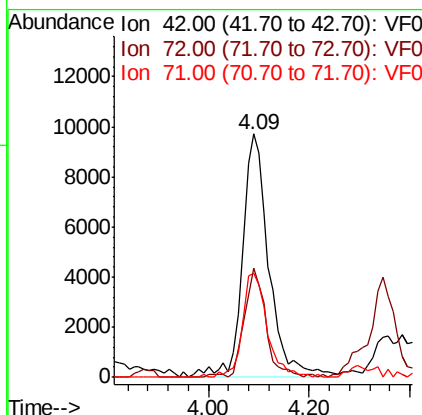
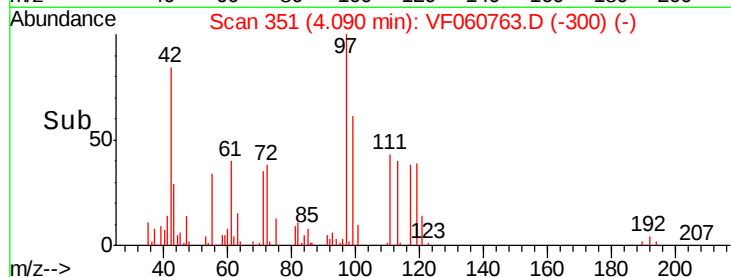
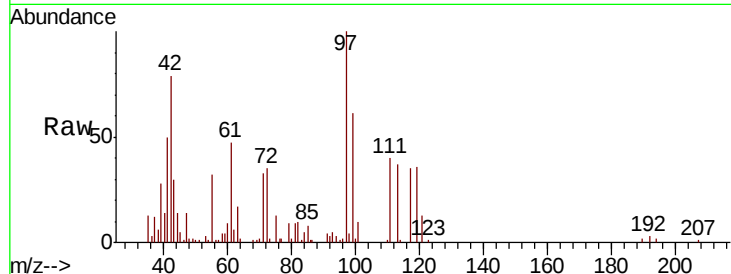
#29
Tetrahydrofuran
Concen: 122.248 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.0	30.3	45.5
71	40.0	32.2	48.2

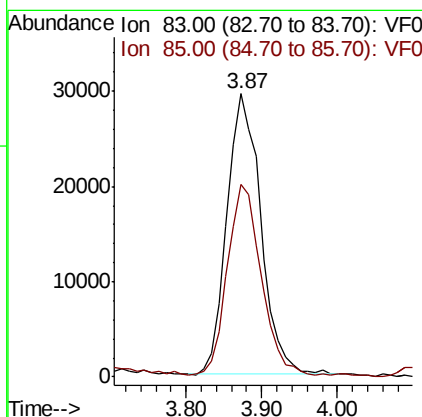
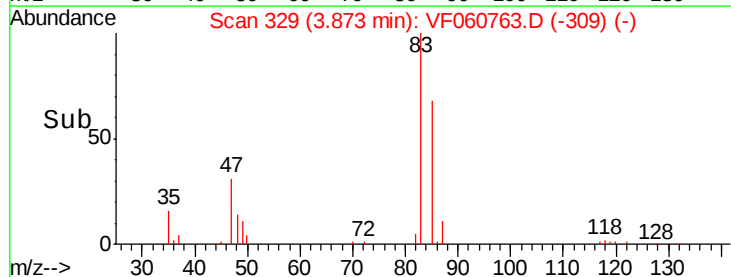
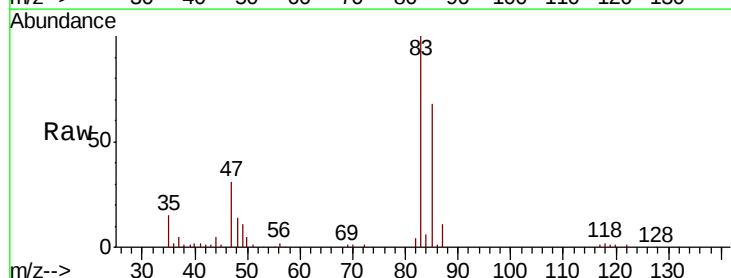
Manual Integrations
APPROVED

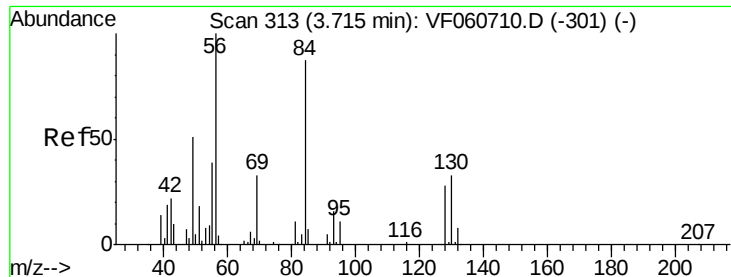
apatel
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#30
Chloroform
Concen: 19.555 ug/l
RT: 3.87 min Scan# 329
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.1	54.6	82.0





#31

Cyclohexane

Concen: 21.360 ug/l

RT: 3.69 min Scan# 311

Delta R.T. -0.02 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

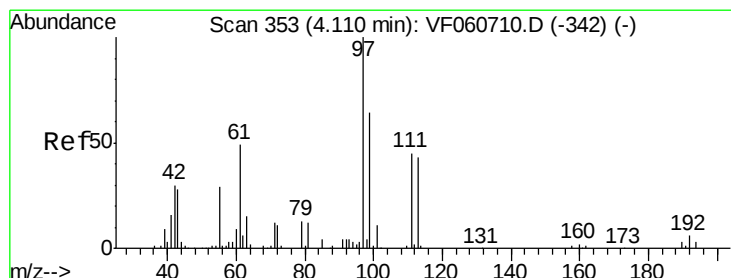
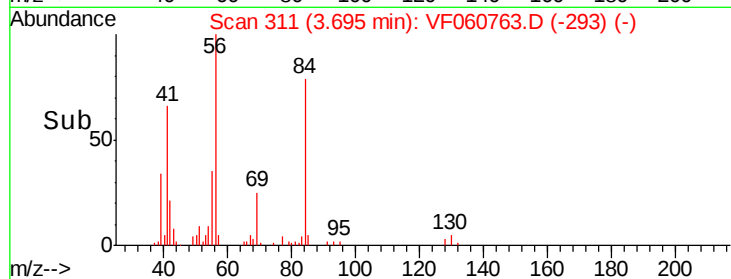
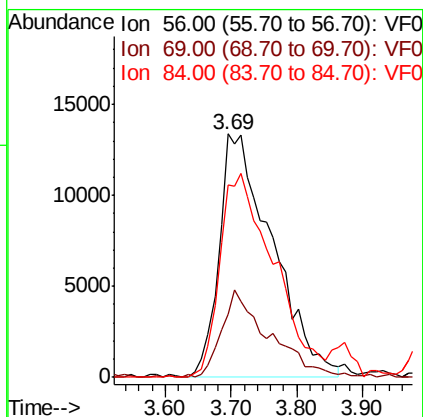
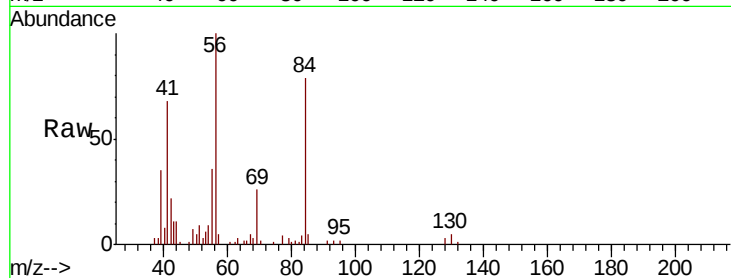
VF1116SBS01

Tot Ion:	56	Resp:	75561
Ion Ratio	Lower	Upper	
56	100		
69	26.1	26.0	39.0
84	78.9	69.4	104.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.448 ug/l

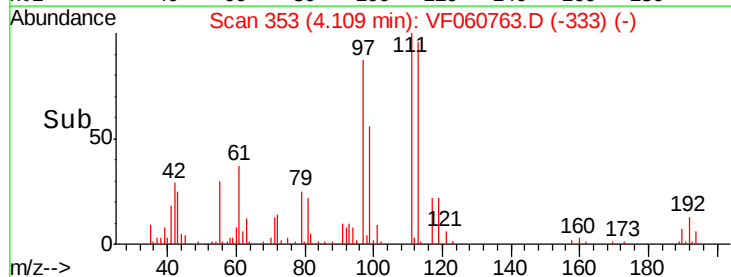
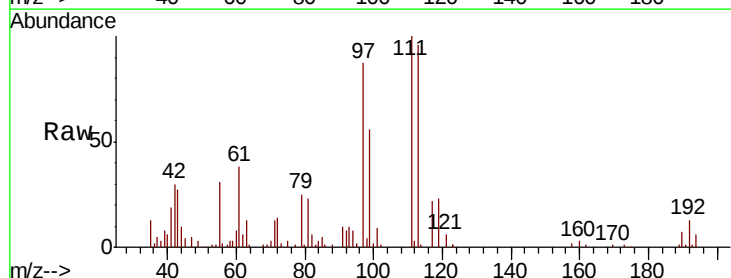
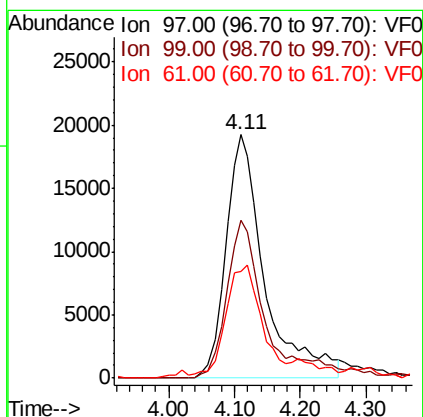
RT: 4.11 min Scan# 353

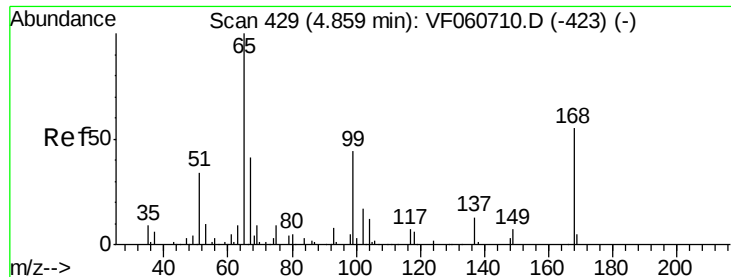
Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Tgt Ion:	97	Resp:	78986
Ion Ratio	Lower	Upper	
97	100		
99	64.6	51.1	76.7
61	43.8	40.1	60.1





#33

1,2-Dichloroethane-d4

Concen: 49.057 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Tot Ion: 65 Resp: 97626

Ion Ratio Lower Upper

65 100

67 47.9 0.0 90.2

Instrument :

MSVOA_F

ClientSampleId :

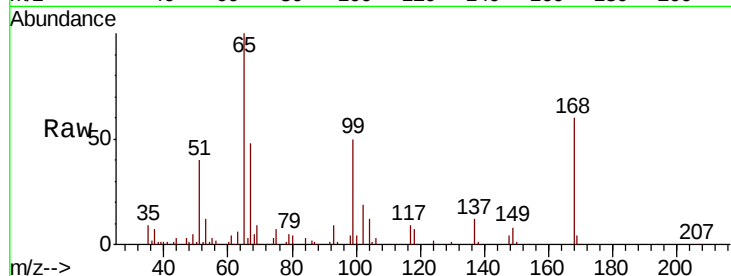
VF1116SBS01

Manual Integrations

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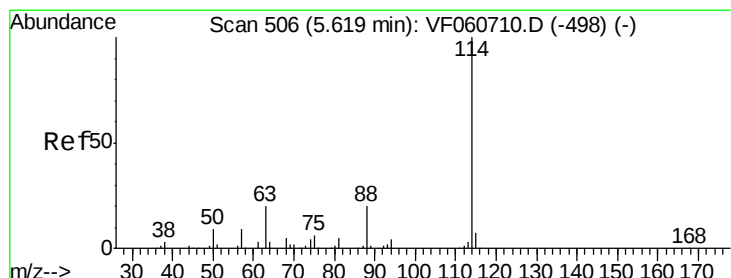
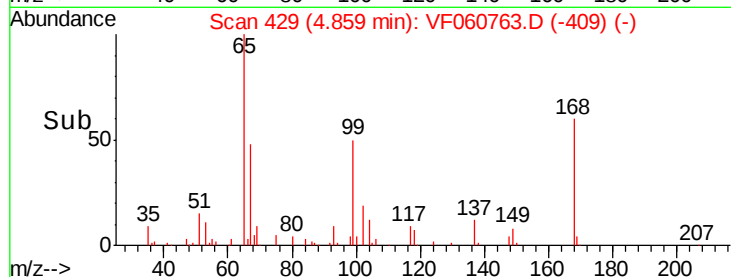
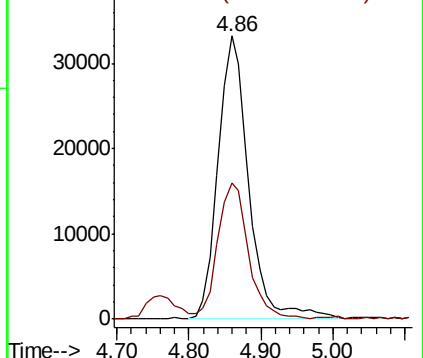
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.01 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

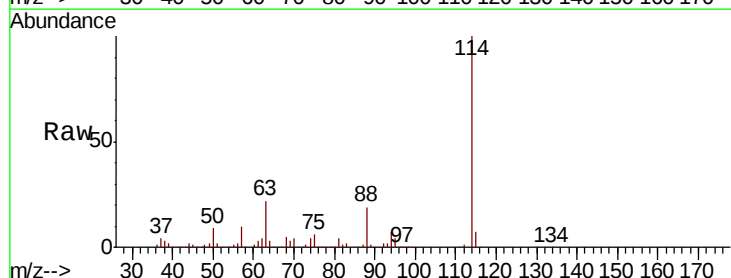
Tgt Ion: 114 Resp: 291524

Ion Ratio Lower Upper

114 100

63 22.4 0.0 40.8

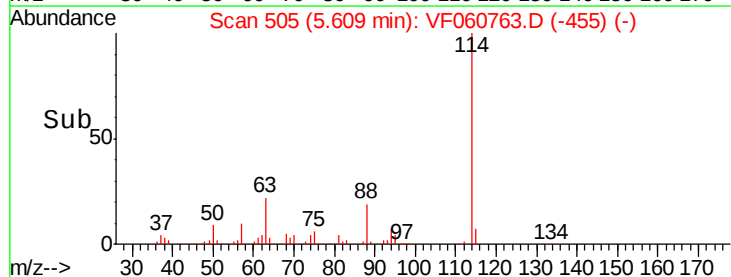
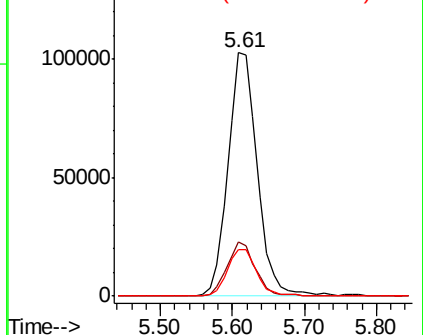
88 19.2 0.0 39.6

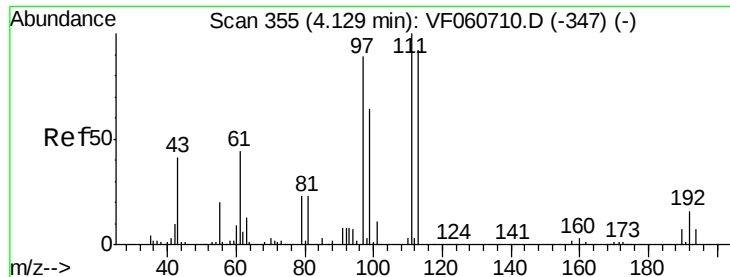


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 50.208 ug/l

RT: 4.13 min Scan# 355

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

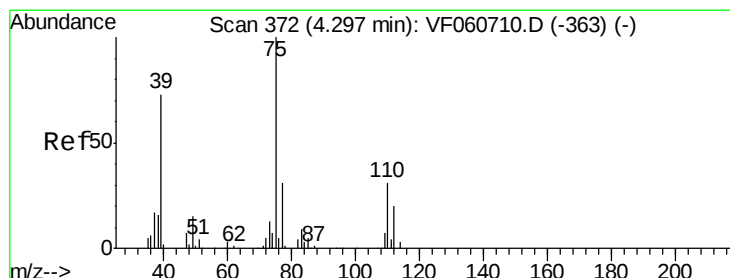
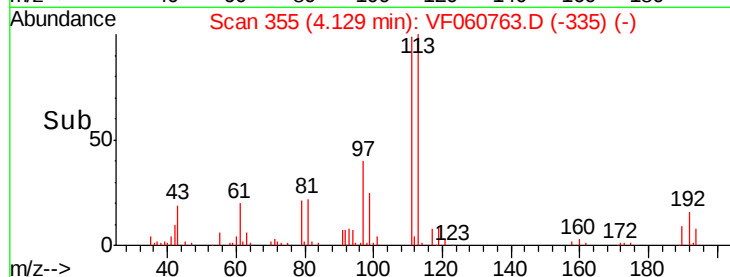
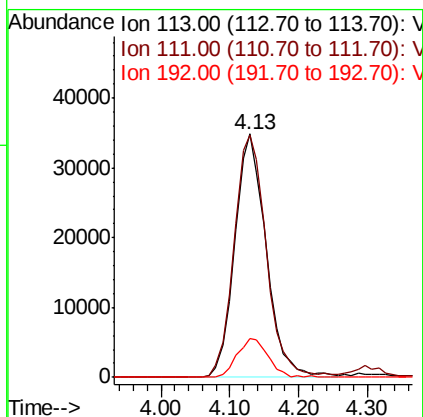
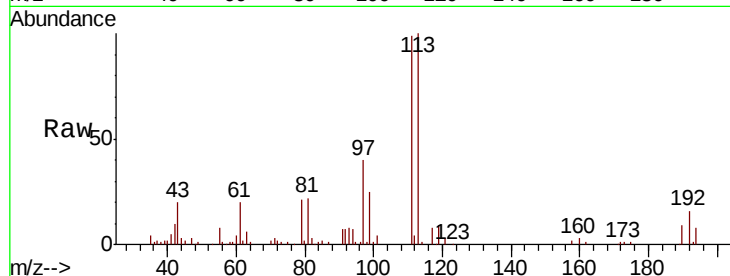
VF1116SBS01

Tot Ion:	113	Resp:	110024
Ion Ratio	Lower	Upper	
113	100		
111	99.5	87.1	130.7
192	15.9	13.8	20.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.120 ug/l

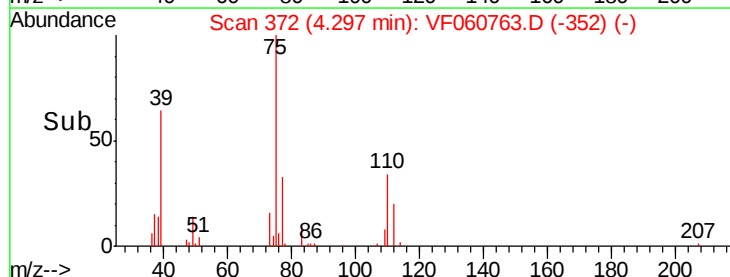
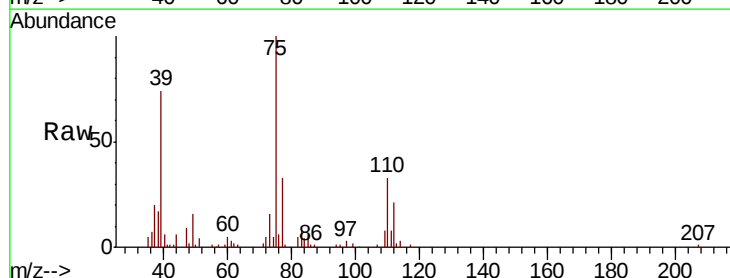
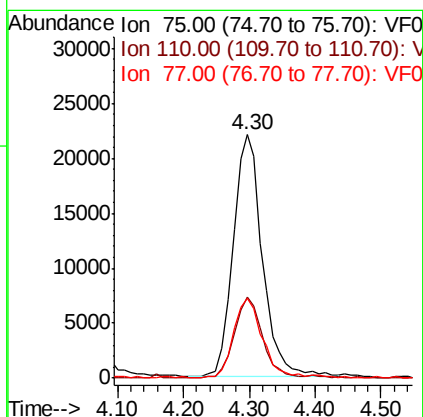
RT: 4.30 min Scan# 372

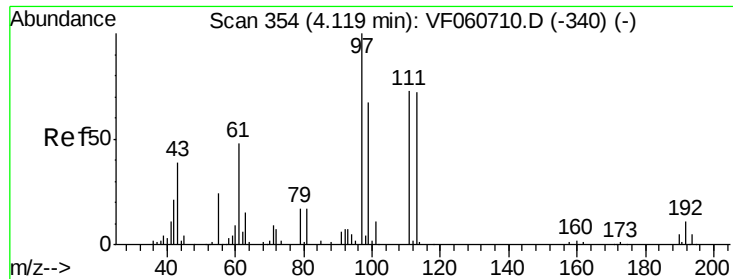
Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Tgt Ion:	75	Resp:	68024
Ion Ratio	Lower	Upper	
75	100		
110	33.2	15.6	46.8
77	32.6	25.0	37.6





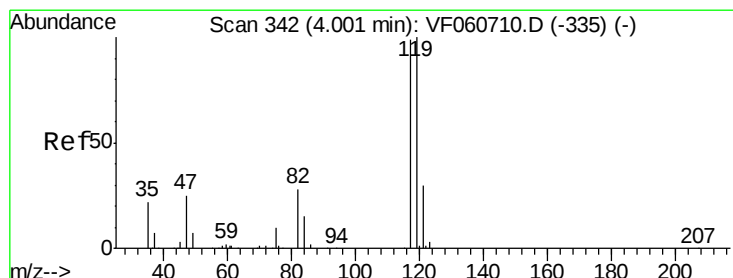
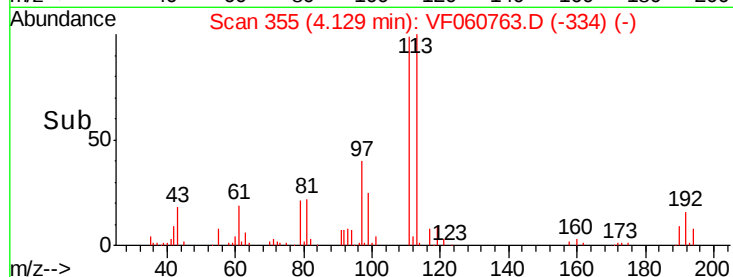
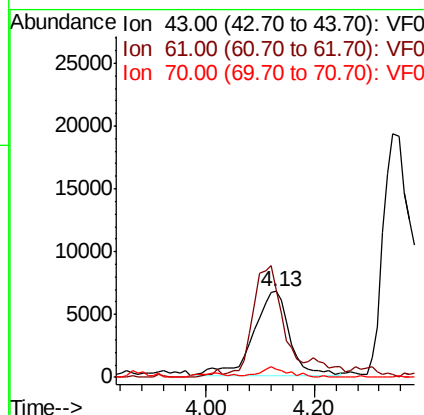
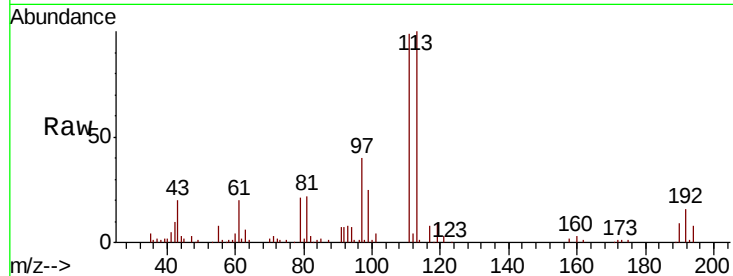
#37
Ethyl Acetate
Concen: 24.634 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.01 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Instrument :
MSVOA_F
ClientSampled :
VF1116SBS01

Tot Ion	43	61	70	Ratio	Lower	Upper
30964	100	101.2	9.0		98.5	147.7
					7.4	11.0

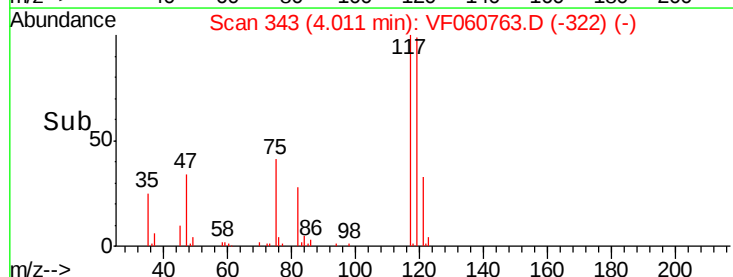
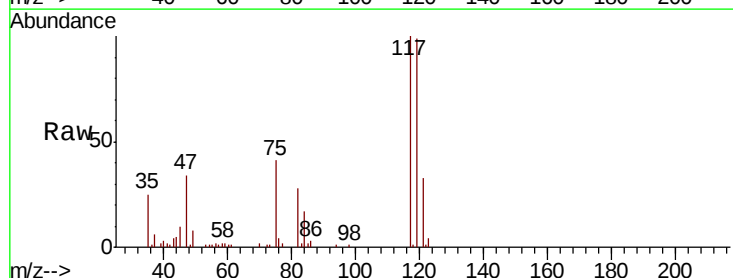
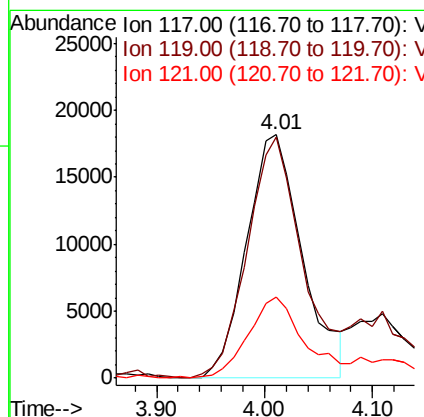
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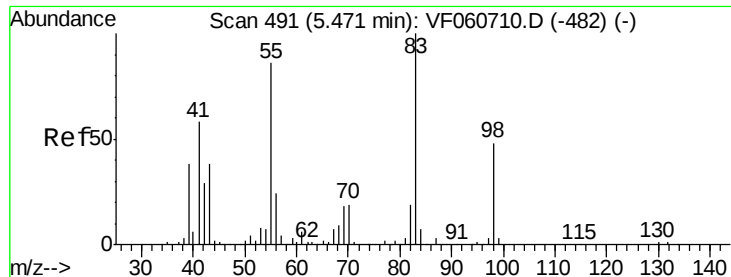
apatel
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#38
Carbon Tetrachloride
Concen: 19.934 ug/l
RT: 4.01 min Scan# 343
Delta R.T. 0.01 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Tgt Ion	117	119	121	Ratio	Lower	Upper
65396	100	98.9	33.4		80.7	121.1
					24.3	36.5





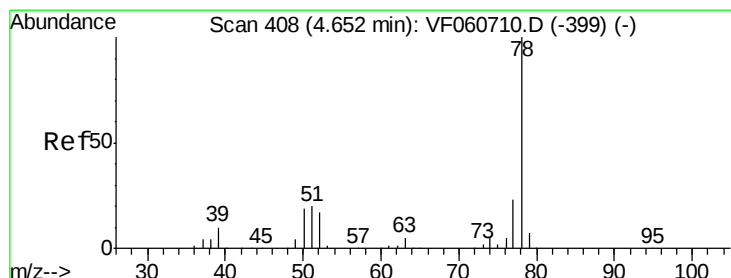
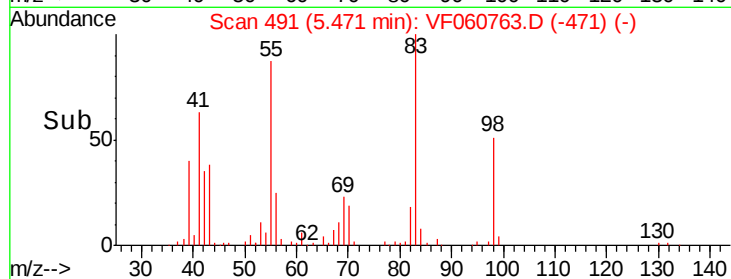
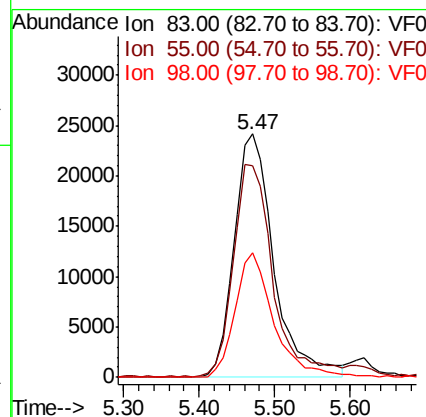
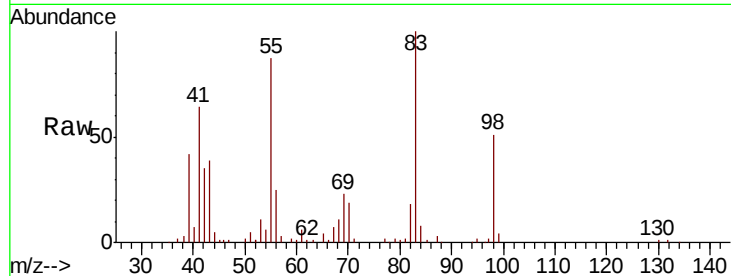
#39
Methvlcvclohexane
Concen: 22.434 ug/l
RT: 5.47 min Scan# 491
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion	83.00	Resp	87997
Ion	Ratio	Lower	Upper
83	100		
55	87.1	69.0	103.4
98	51.2	38.5	57.7

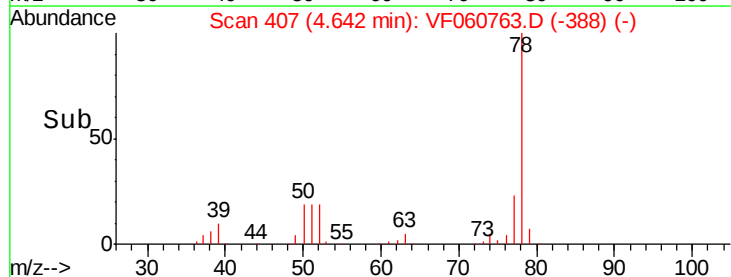
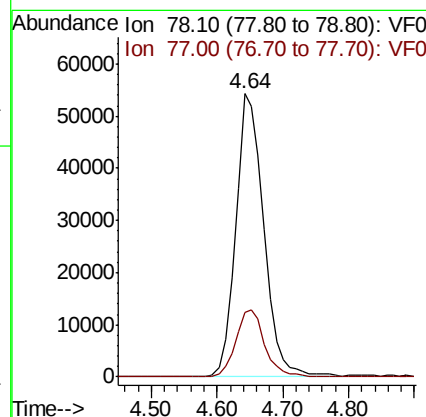
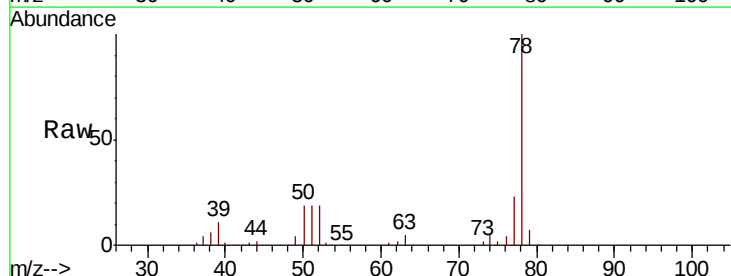
Manual Integrations
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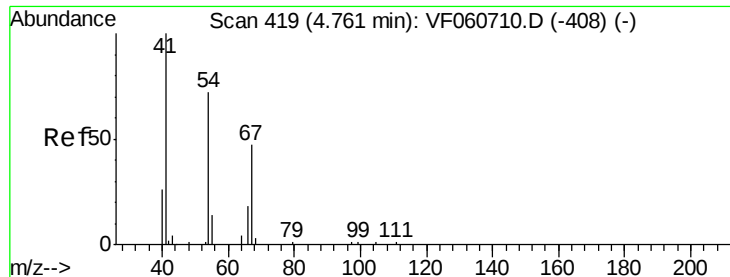
apatel
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#40
Benzene
Concen: 21.521 ug/l
RT: 4.64 min Scan# 407
Delta R.T. -0.01 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Tgt Ion	78	Resp	162198
Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.6	28.0





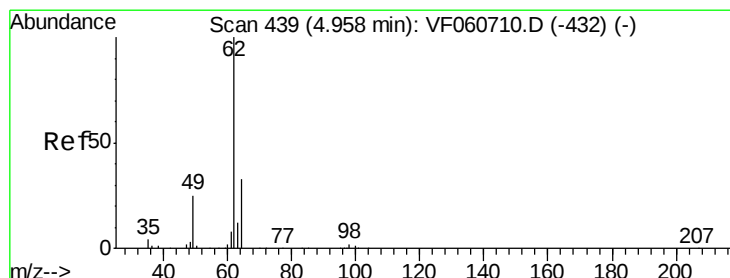
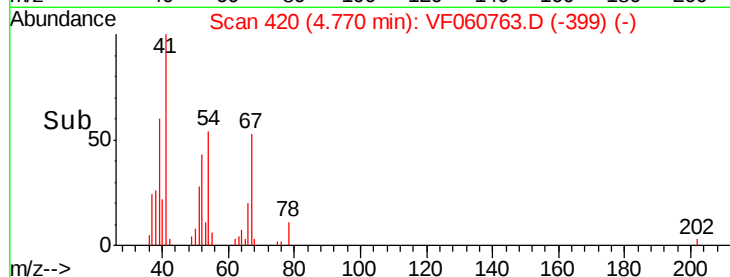
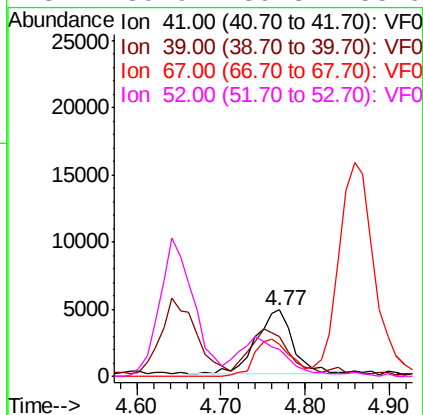
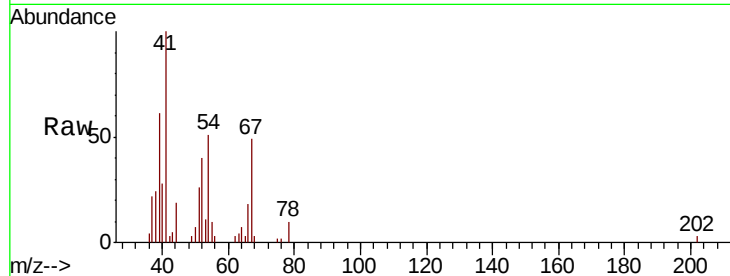
#41
Methacrylonitrile
Concen: 19.535 ug/l
RT: 4.77 min Scan# 420
Delta R.T. 0.01 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.1	47.1	70.7	
67	49.1	37.1	55.7	
52	39.9	39.3	58.9	

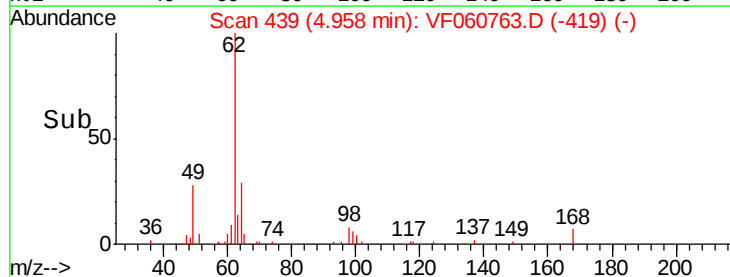
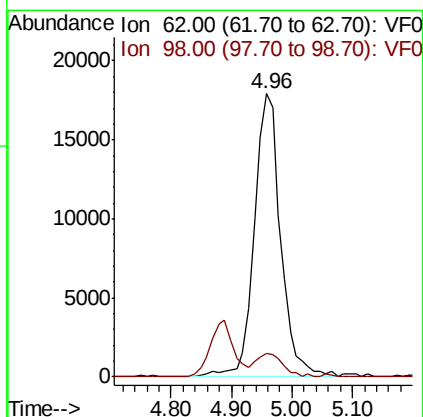
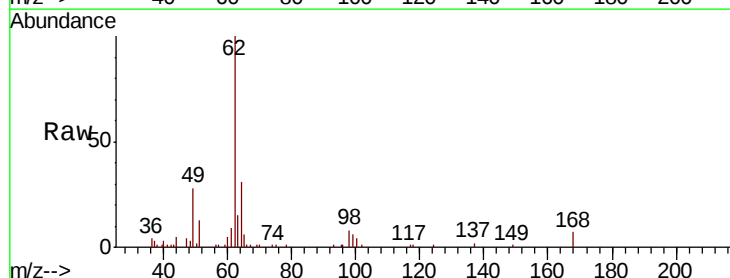
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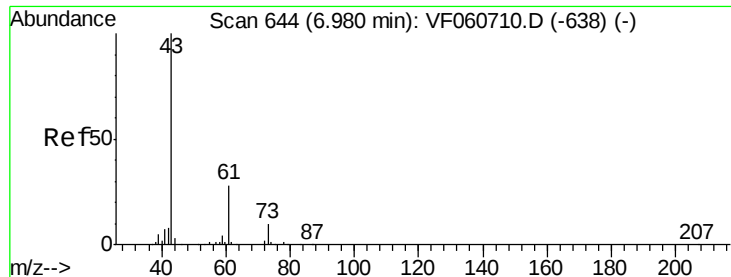
apatel
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#42
1,2-Dichloroethane
Concen: 20.843 ug/l
RT: 4.96 min Scan# 439
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	0.0	16.6	





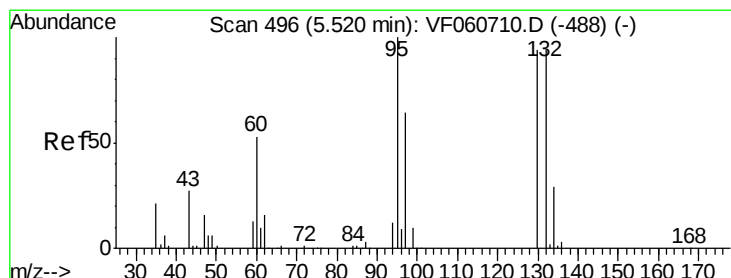
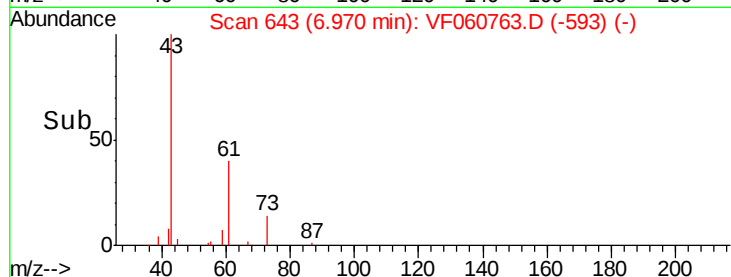
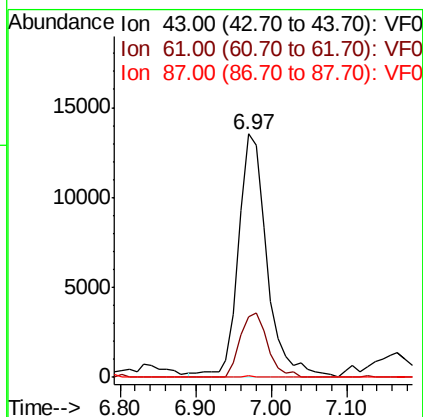
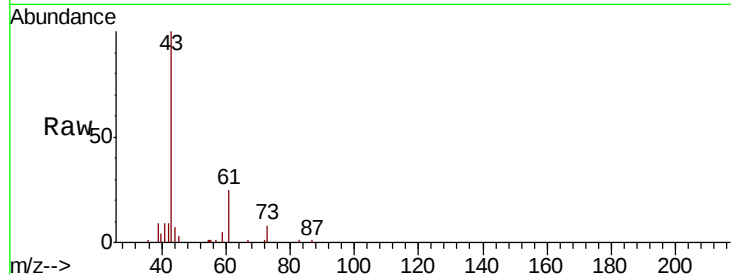
#43
Isopropyl Acetate
Concen: 21.203 ug/l
RT: 6.97 min Scan# 643
Delta R.T. -0.01 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.9	22.2	33.4
87	0.9	0.4	0.6

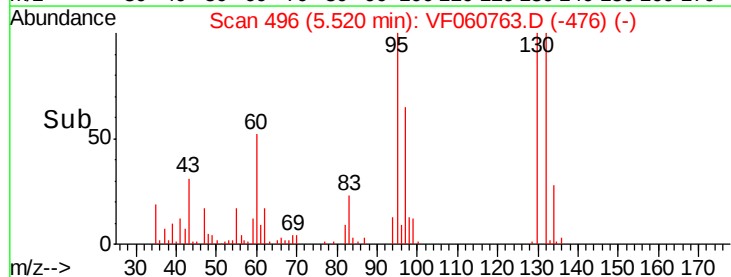
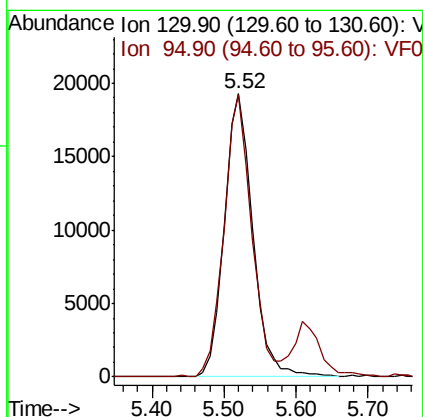
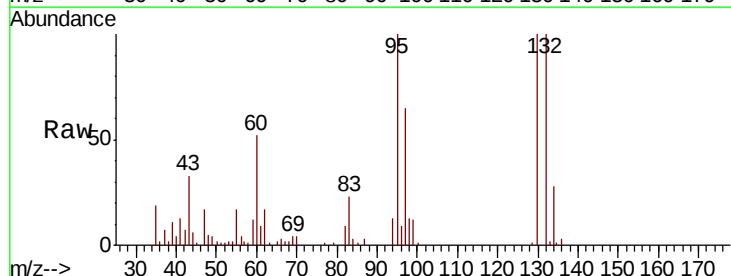
Manual Integrations
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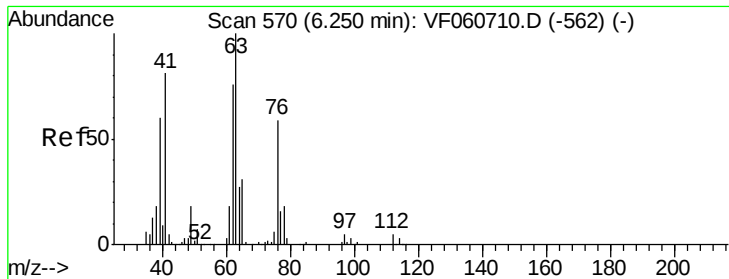
apatel
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#44
Trichloroethene
Concen: 22.192 ug/l
RT: 5.52 min Scan# 496
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	212.6





#45

1,2-Dichloropropane

Concen: 20.145 ug/l

RT: 6.25 min Scan# 570

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

Tot Ion: 63 Resp: 39507

Ion Ratio Lower Upper

63 100

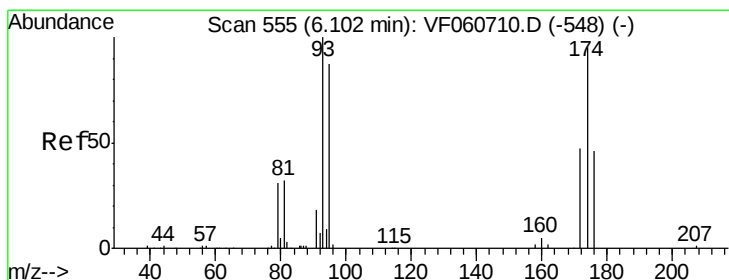
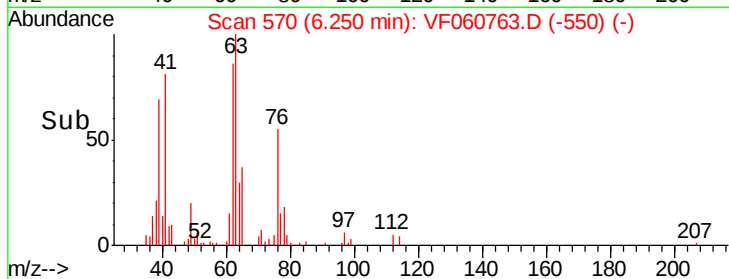
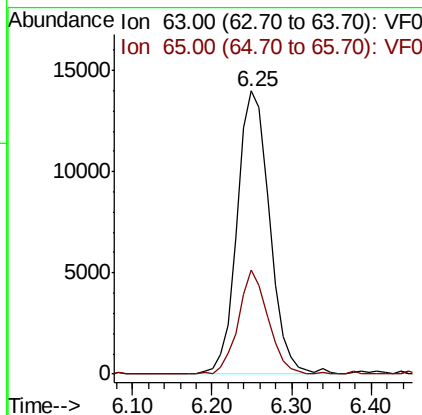
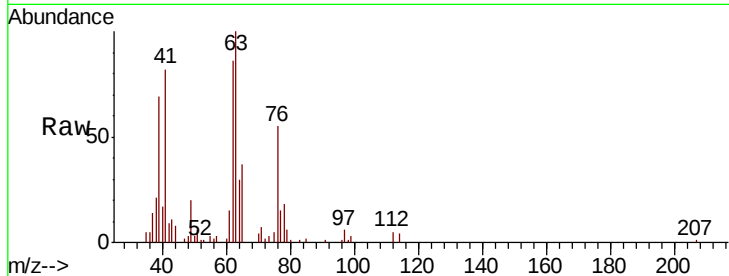
65 37.0 24.6 36.8#

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#46

Dibromomethane

Concen: 20.254 ug/l

RT: 6.10 min Scan# 555

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

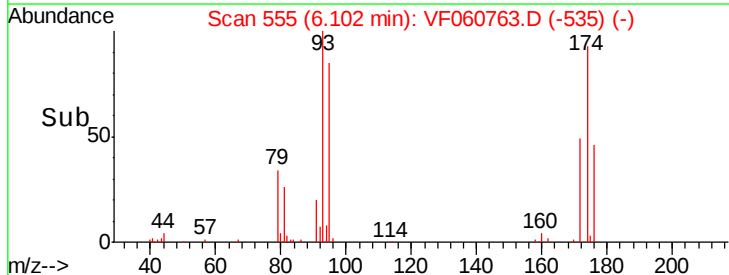
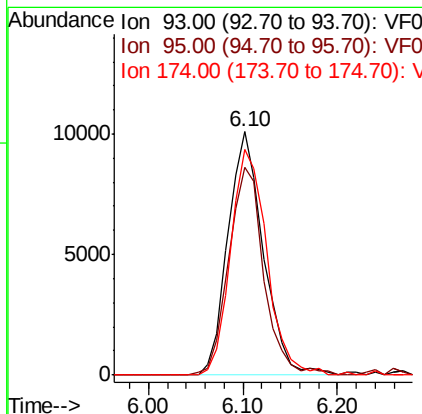
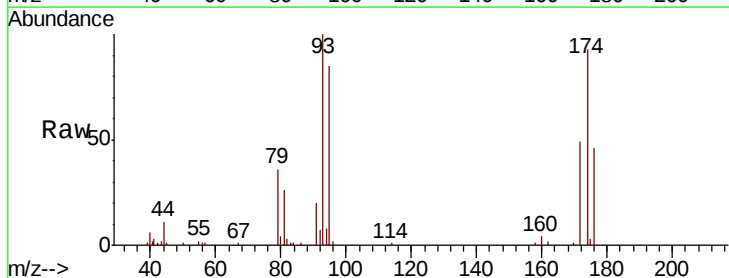
Tgt Ion: 93 Resp: 26220

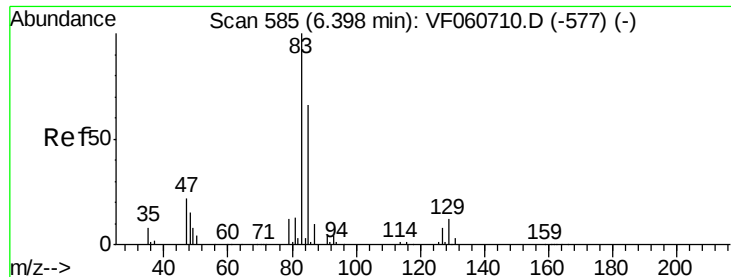
Ion Ratio Lower Upper

93 100

95 85.4 69.5 104.3

174 92.5 76.2 114.2





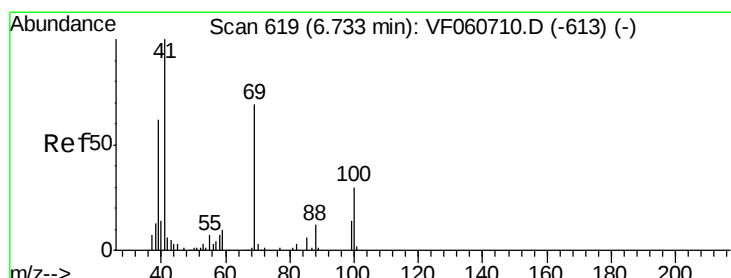
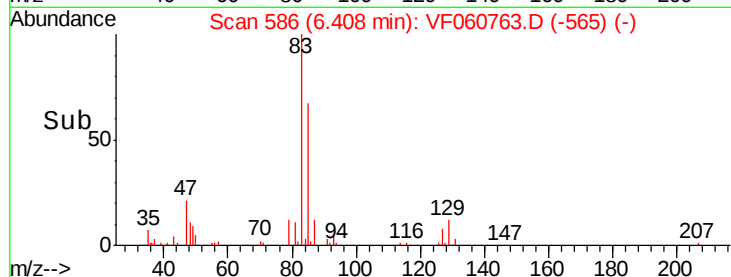
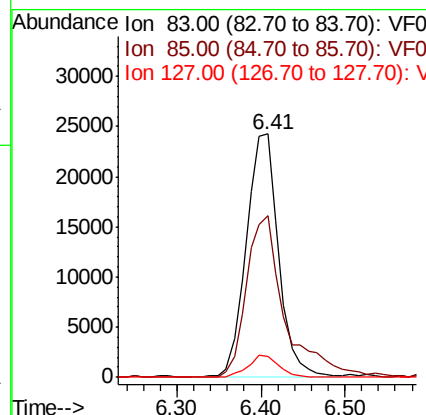
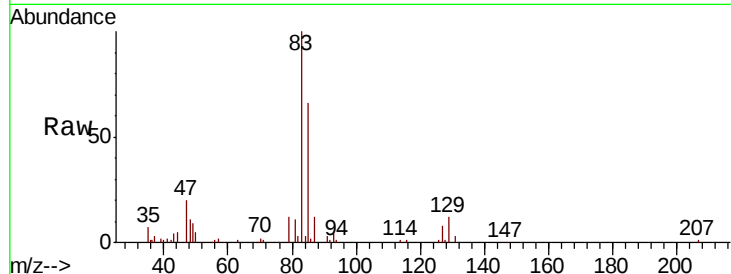
#47
Bromodichloromethane
Concen: 19.762 ug/l
RT: 6.41 min Scan# 586
Delta R.T. 0.01 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion	83	Resp	65332
Ion Ratio	100	Lower	Upper
85	66.5	52.4	78.6
127	8.3	6.8	10.2

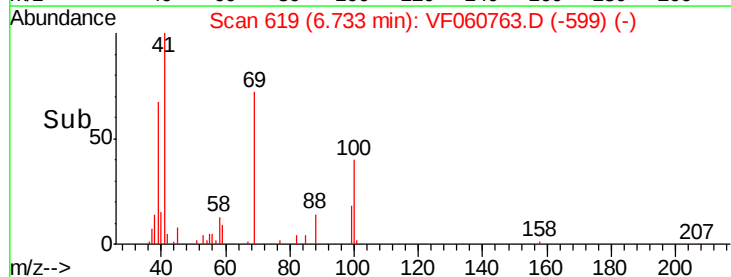
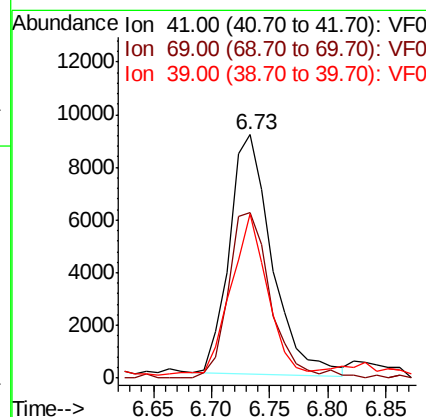
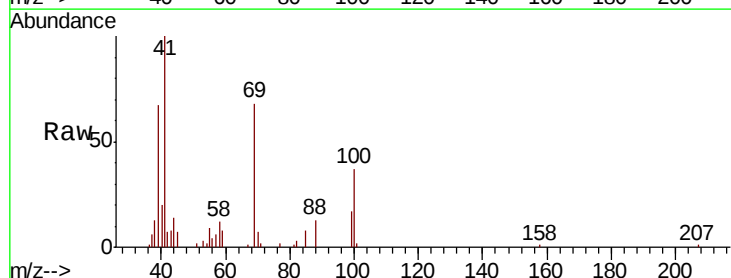
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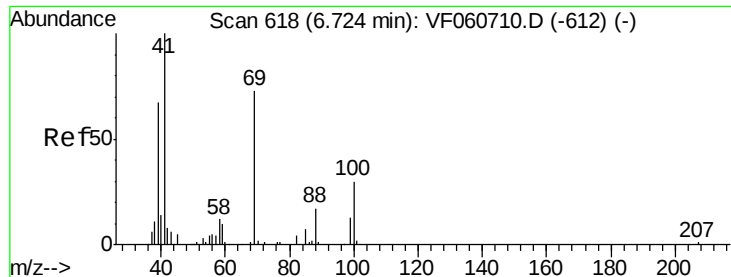
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#48
Methyl methacrylate
Concen: 20.950 ug/l
RT: 6.73 min Scan# 619
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Tgt Ion	41	Resp	23107
Ion Ratio	100	Lower	Upper
69	68.1	54.9	82.3
39	67.3	49.6	74.4





#49

1,4-Dioxane

Concen: 368.377 ug/l

RT: 6.73 min Scan# 619

Delta R.T. 0.01 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

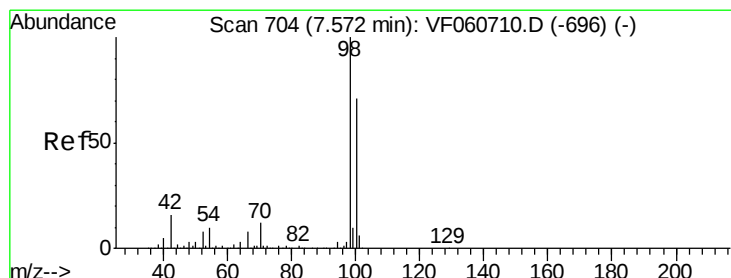
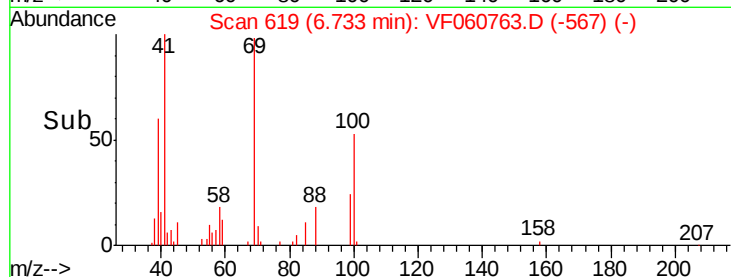
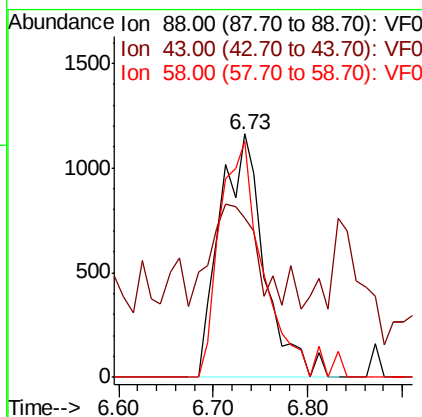
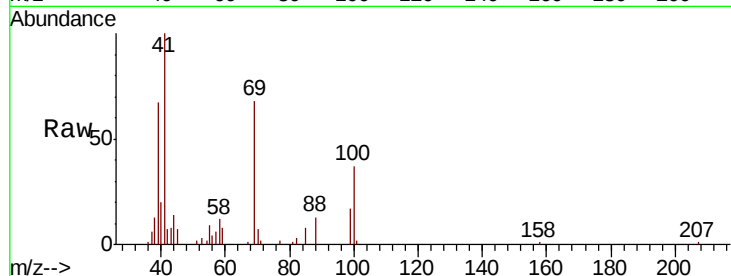
VF1116SBS01

Tot Ion:	88	Resp:	3800
Ion	Ratio	Lower	Upper
88	100		
43	65.5	44.6	66.8
58	96.8	54.5	81.7#

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#50

Toluene-d8

Concen: 50.093 ug/l

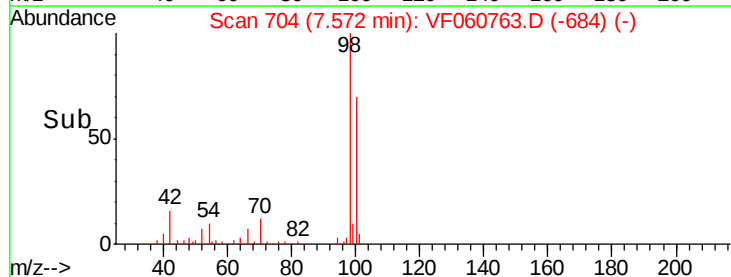
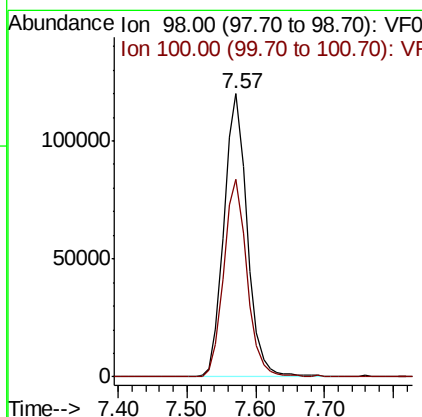
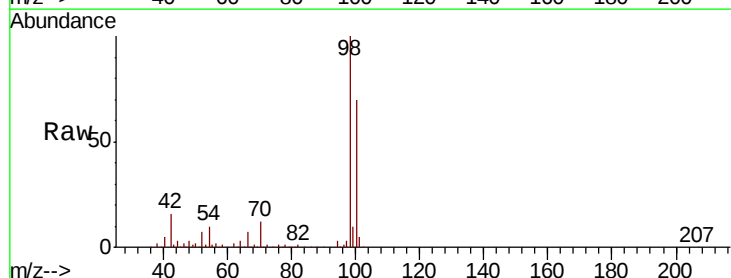
RT: 7.57 min Scan# 704

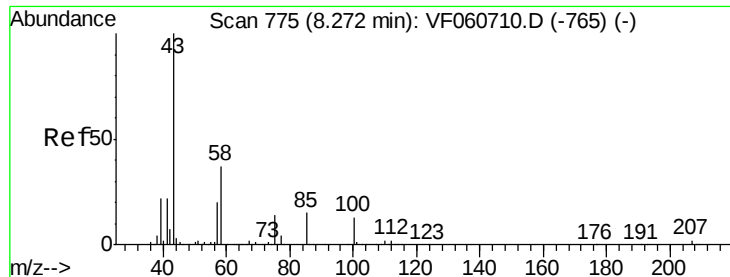
Delta R.T. 0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Tgt Ion:	98	Resp:	281651
Ion	Ratio	Lower	Upper
98	100		
100	69.8	56.5	84.7





#51

4-Methyl-2-Pentanone

Concen: 108.460 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

Tot Ion: 43 Resp: 130733

Ion Ratio Lower Upper

43 100

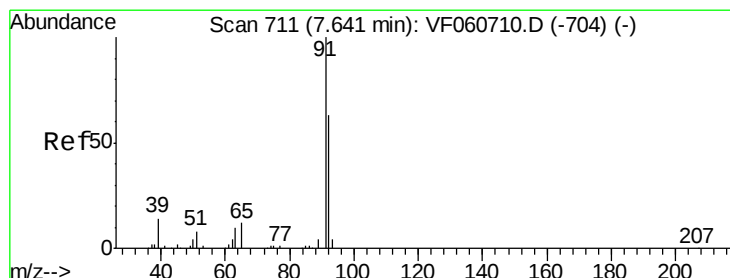
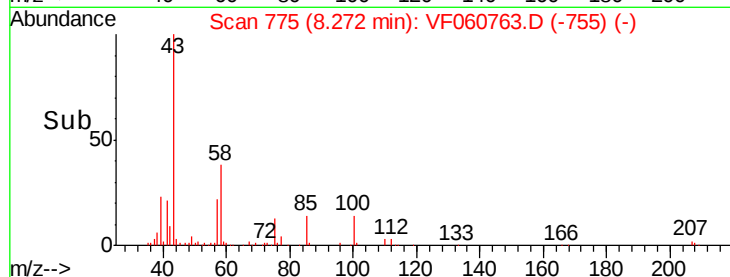
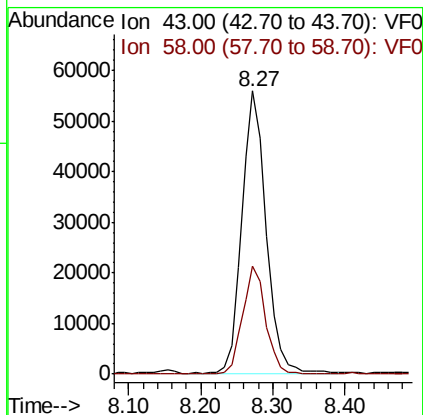
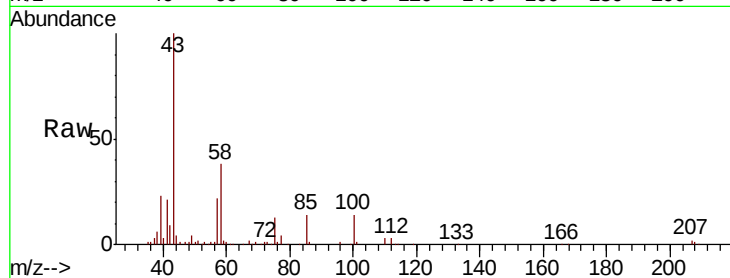
58 38.1 29.2 43.8

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#52

Toluene

Concen: 20.181 ug/l

RT: 7.64 min Scan# 711

Delta R.T. -0.00 min

Lab File: VF060763.D

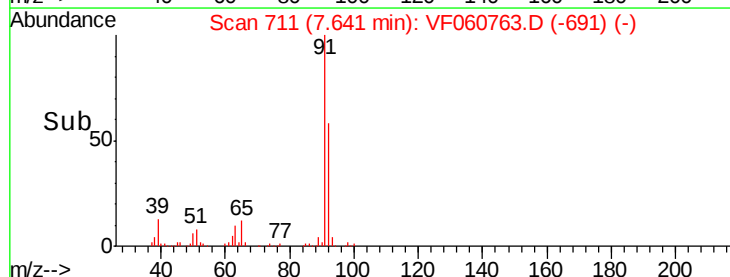
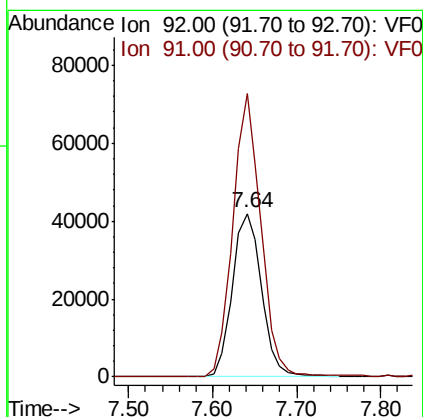
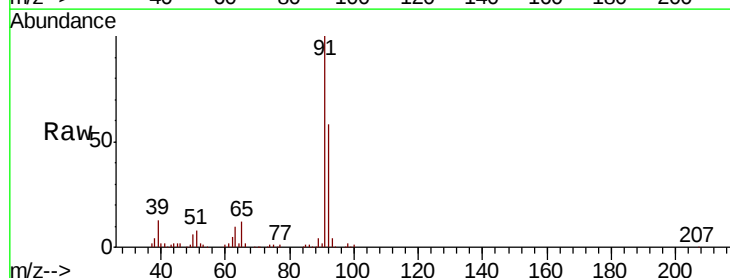
Acq: 16 Nov 2018 14:07

Tgt Ion: 92 Resp: 101926

Ion Ratio Lower Upper

92 100

91 173.6 126.7 190.1





#53

t-1,3-Dichloropropene

Concen: 19.990 ug/l

RT: 8.29 min Scan# 777

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampled :

VF1116SBS01

Tot Ion: 75 Resp: 52929

Ion Ratio Lower Upper

75 100

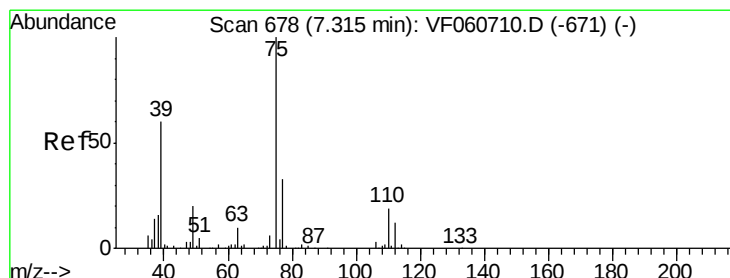
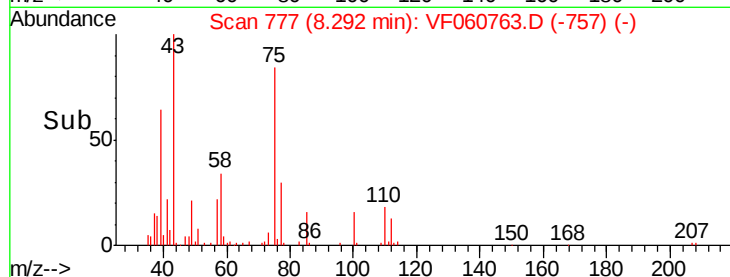
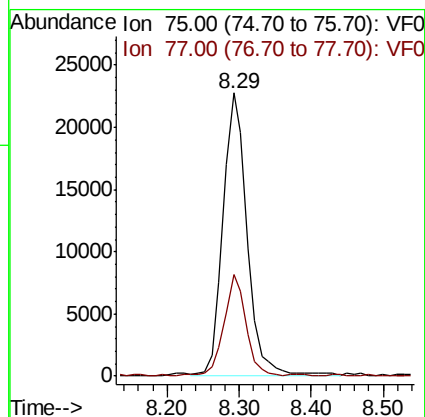
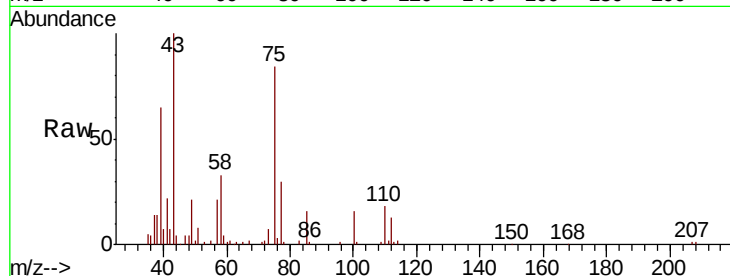
77 35.8 24.6 36.8

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#54

cis-1,3-Dichloropropene

Concen: 20.019 ug/l

RT: 7.32 min Scan# 678

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

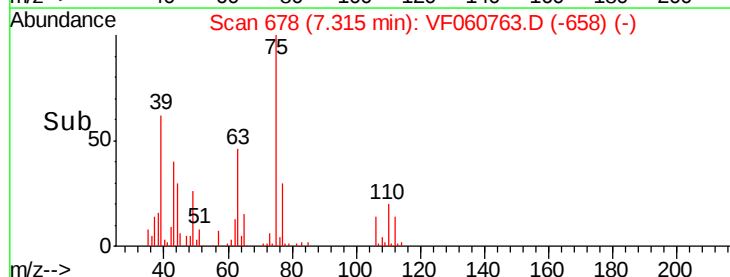
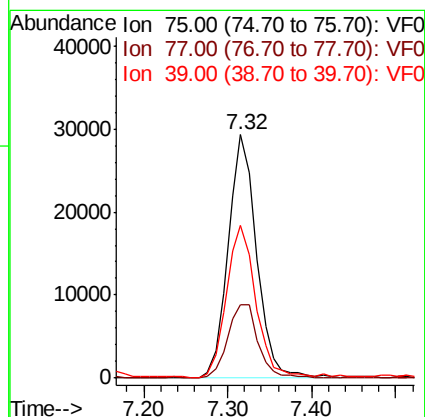
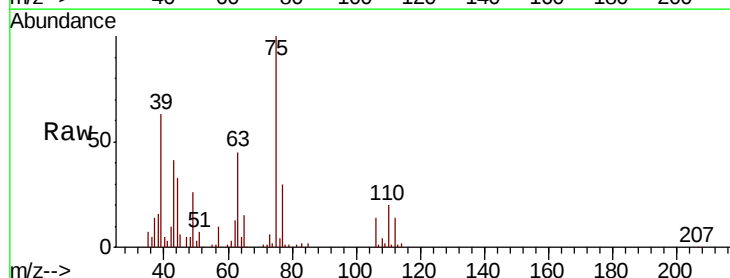
Tgt Ion: 75 Resp: 68852

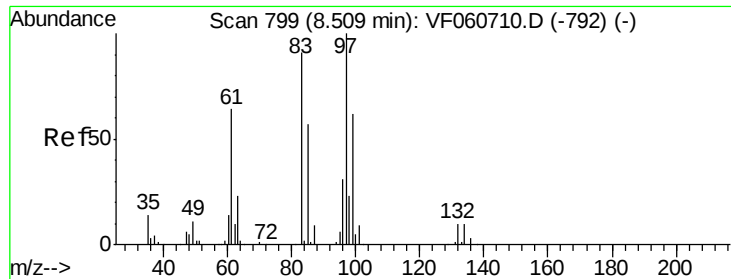
Ion Ratio Lower Upper

75 100

77 30.0 26.5 39.7

39 62.6 48.5 72.7





#55

1,1,2-Trichloroethane

Concen: 19.161 ug/l

RT: 8.51 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

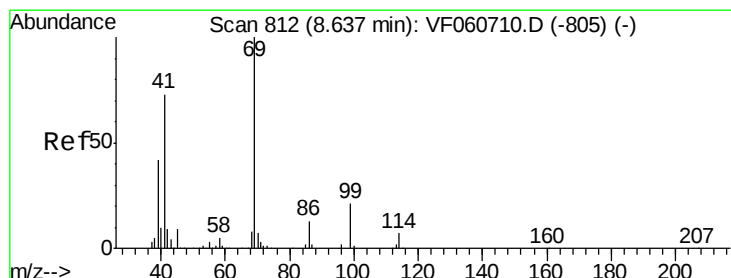
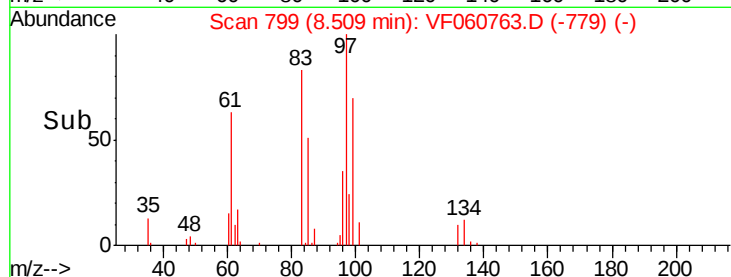
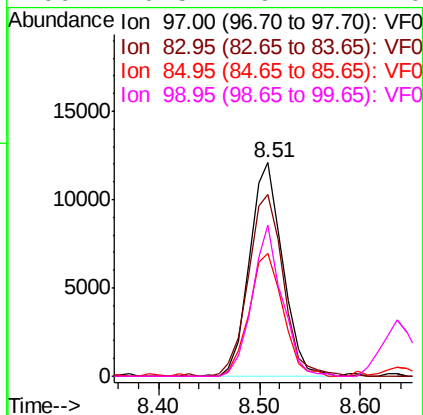
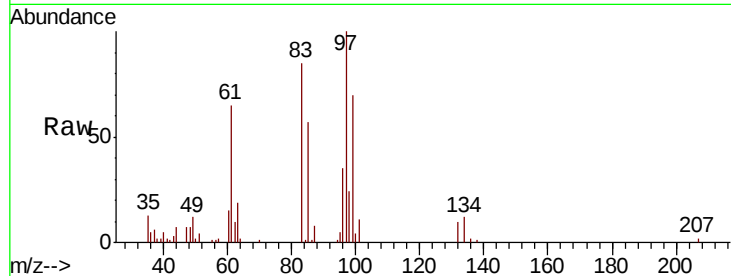
VF1116SBS01

Tot Ion:	97	Resp:	27650
Ion	Ratio	Lower	Upper
97	100		
83	85.1	72.8	109.2
85	57.4	45.8	68.6
99	70.5	49.4	74.0

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#56

Ethyl methacrylate

Concen: 19.023 ug/l

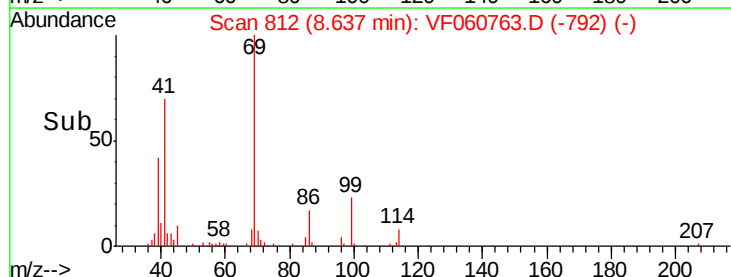
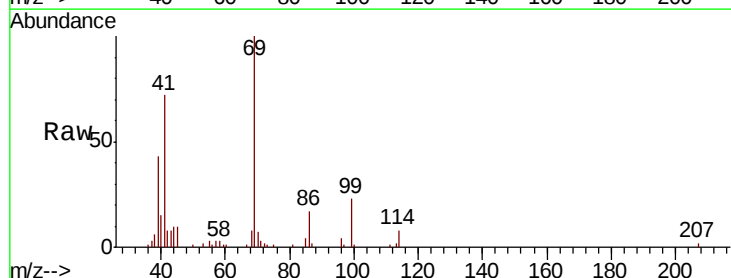
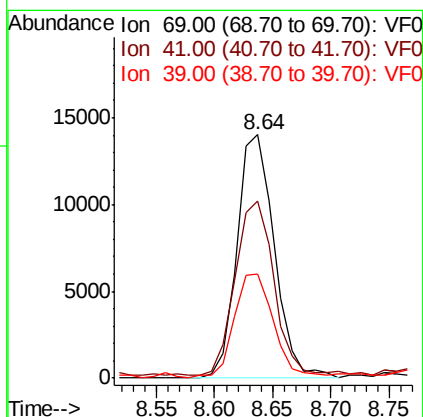
RT: 8.64 min Scan# 812

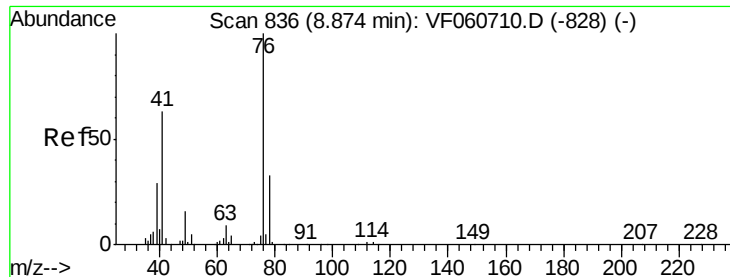
Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Tgt Ion:	69	Resp:	31175
Ion	Ratio	Lower	Upper
69	100		
41	72.5	59.0	88.6
39	42.8	34.0	51.0





#57

1,3-Dichloropropane

Concen: 20.762 ug/l

RT: 8.86 min Scan# 835

Delta R.T. -0.01 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampled :

VF1116SBS01

Tot Ion: 76 Resp: 51922

Ion Ratio Lower Upper

76 100

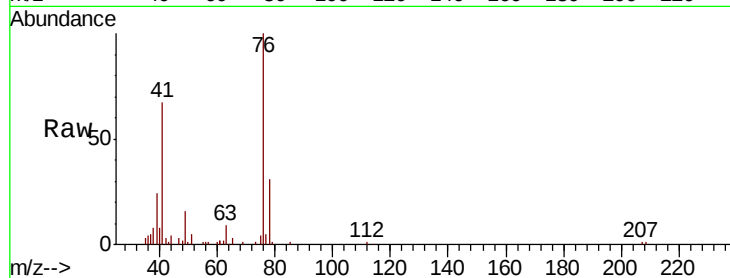
78 31.0 26.6 39.8

Manual Integrations

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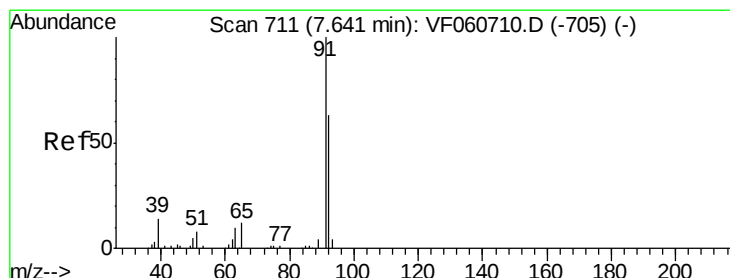
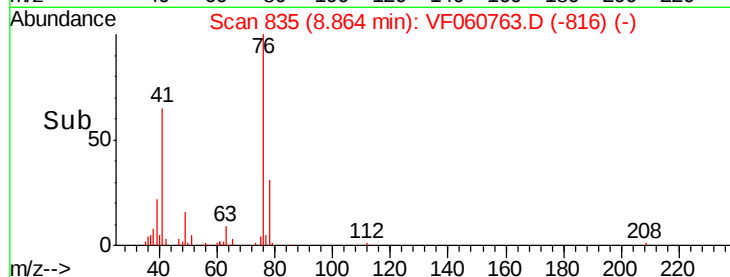
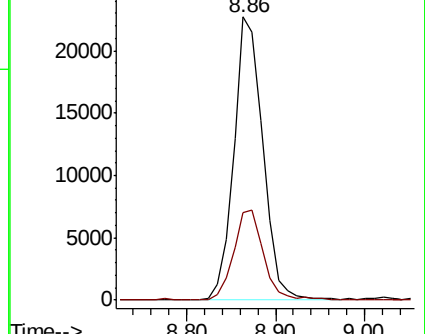
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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 105.453 ug/l

RT: 7.64 min Scan# 711

Delta R.T. -0.00 min

Lab File: VF060763.D

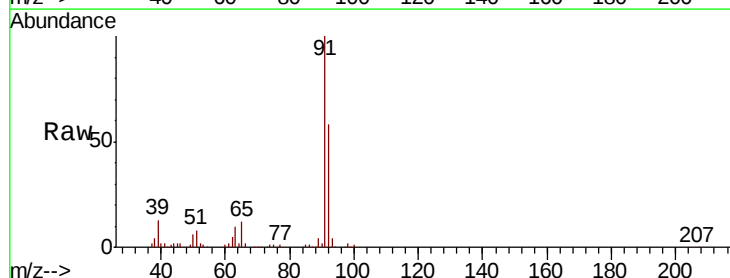
Acq: 16 Nov 2018 14:07

Tgt Ion: 63 Resp: 15787

Ion Ratio Lower Upper

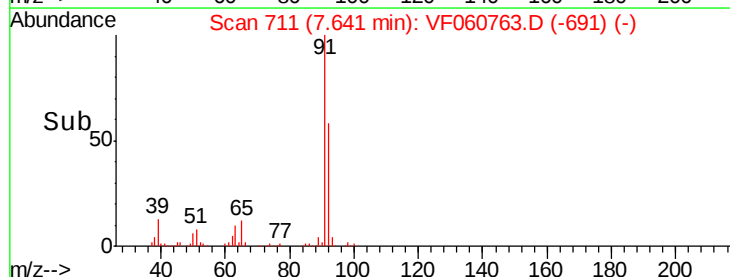
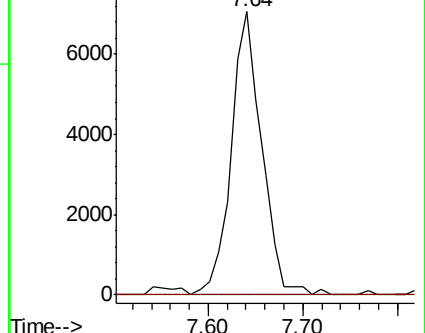
63 100

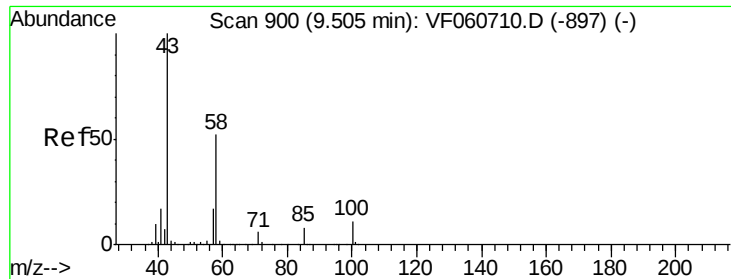
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





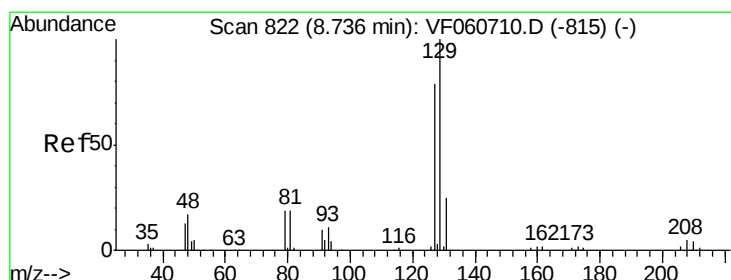
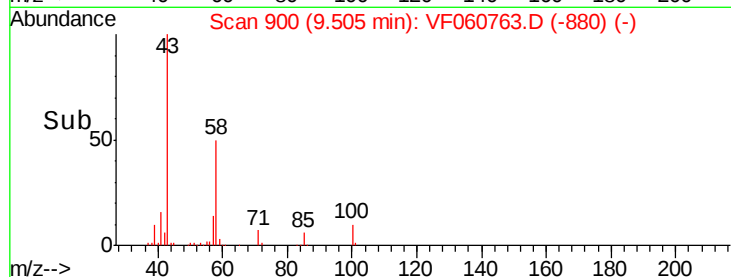
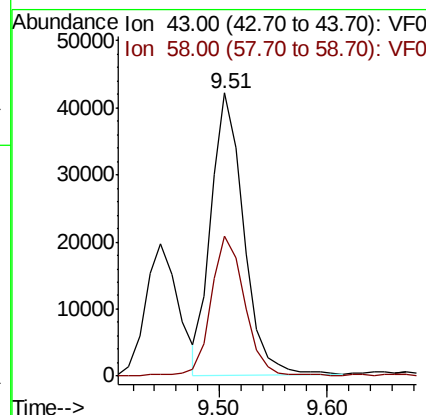
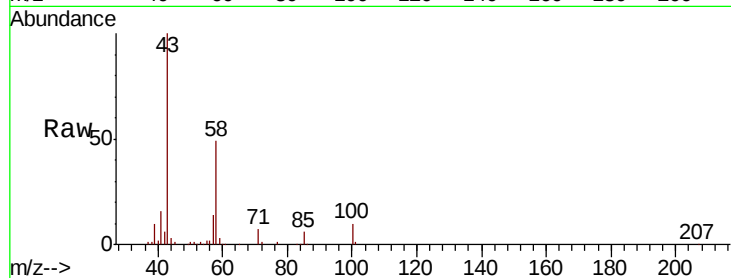
#59
2-Hexanone
Concen: 103.429 ug/l
RT: 9.51 min Scan# 900
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion: 43 Resp: 87614
Ion Ratio Lower Upper
43 100
58 49.3 24.9 74.7

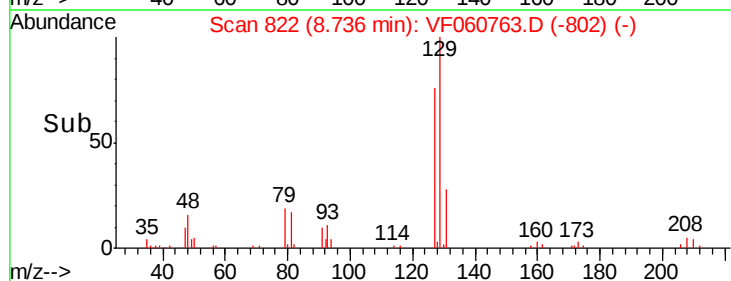
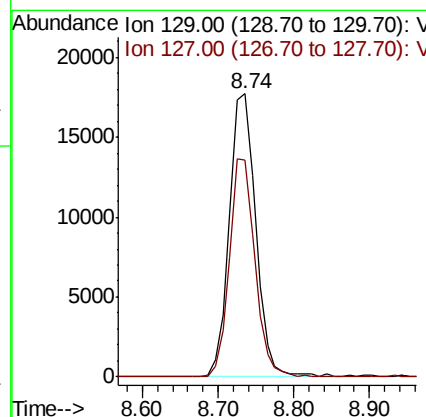
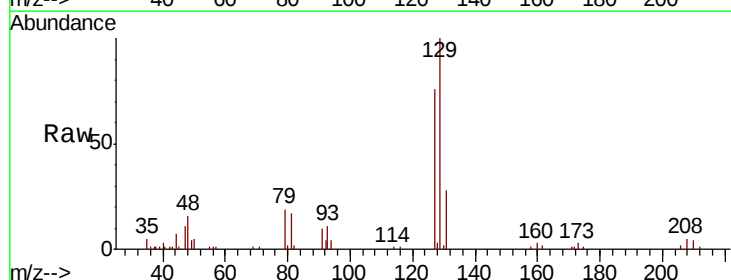
Manual Integrations
APPROVED

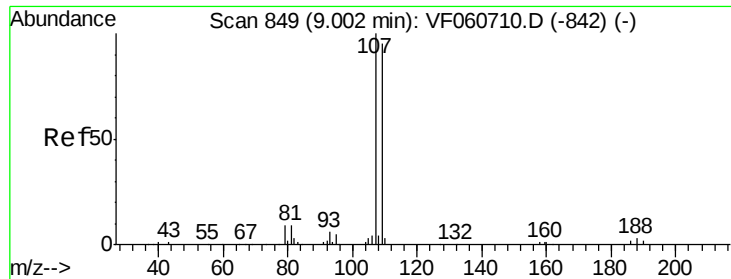
apatel
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#60
Dibromochloromethane
Concen: 20.855 ug/l
RT: 8.74 min Scan# 822
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Tgt Ion: 129 Resp: 42891
Ion Ratio Lower Upper
129 100
127 76.4 39.7 119.1





#61

1,2-Dibromoethane

Concen: 19.643 ug/l

RT: 9.00 min Scan# 849

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

Tot Ion:107 Resp: 29810

Ion Ratio Lower Upper

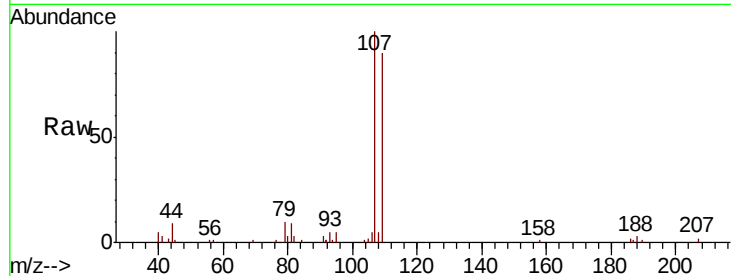
107 100

109 90.1 75.9 113.9

Manual Integrations
APPROVED

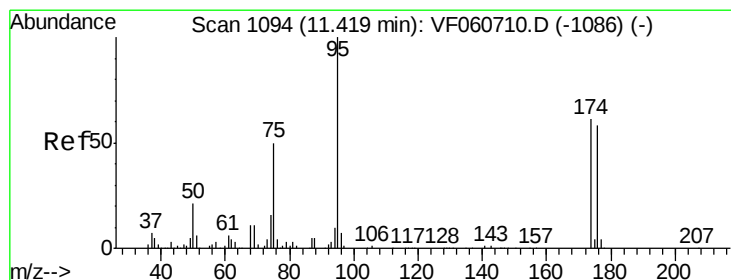
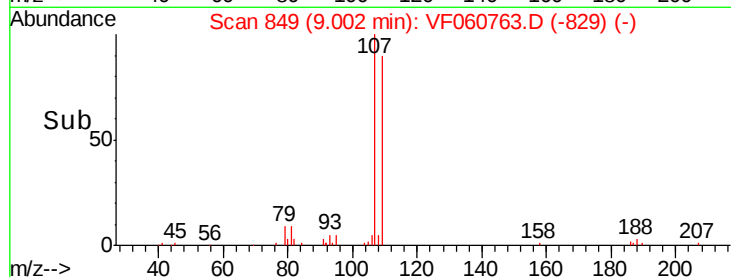
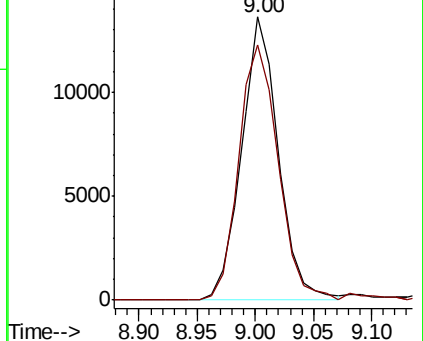
apatel

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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: 53.045 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

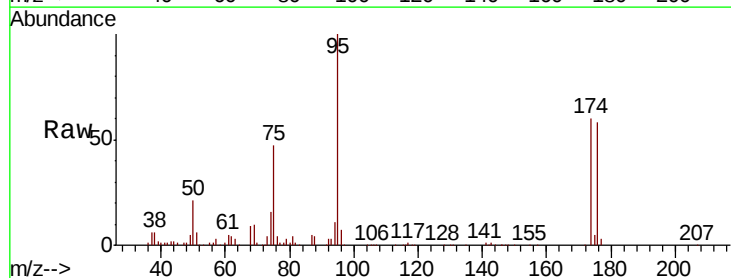
Tgt Ion: 95 Resp: 136918

Ion Ratio Lower Upper

95 100

174 60.4 0.0 121.6

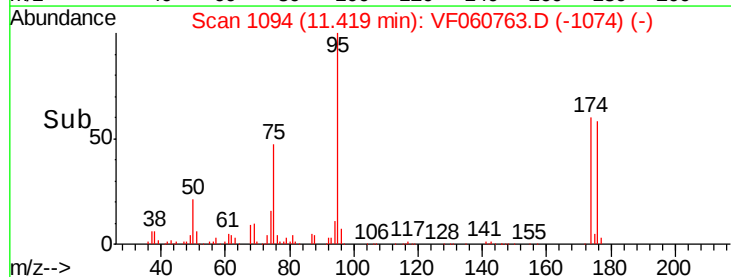
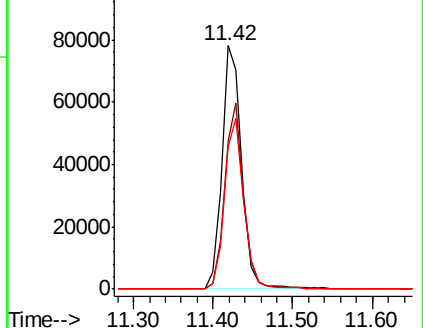
176 58.4 0.0 115.2

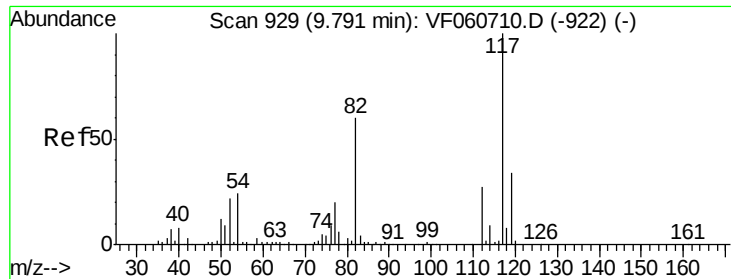


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





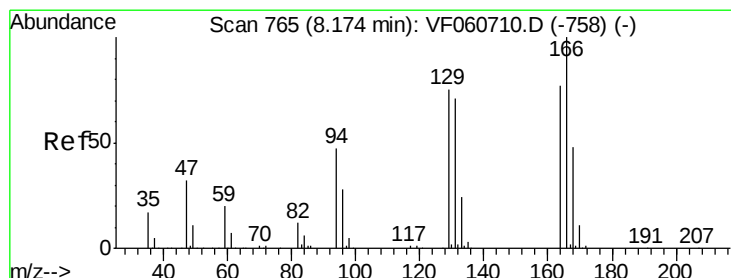
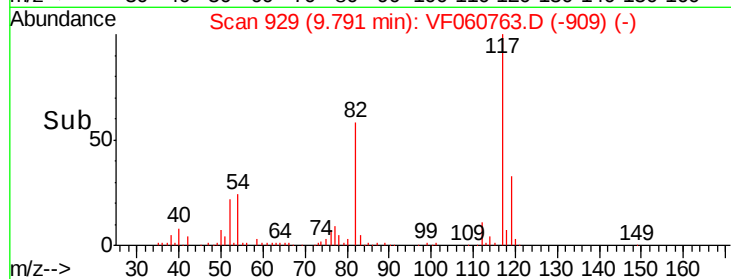
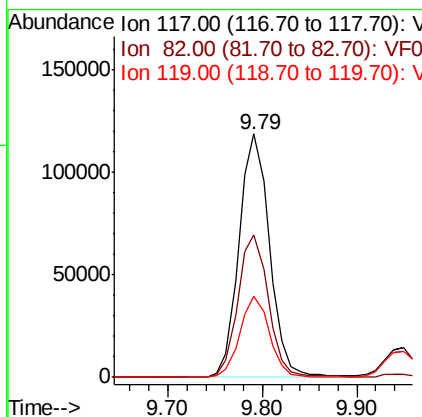
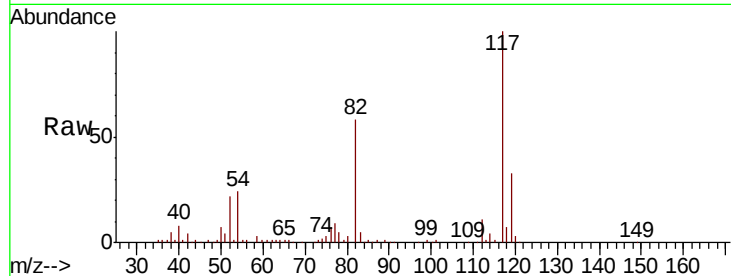
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.3	47.9	71.9
119	33.2	26.8	40.2

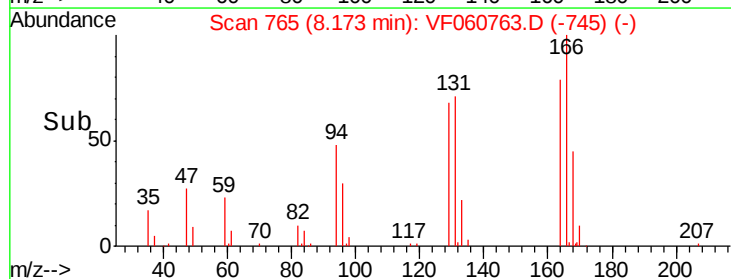
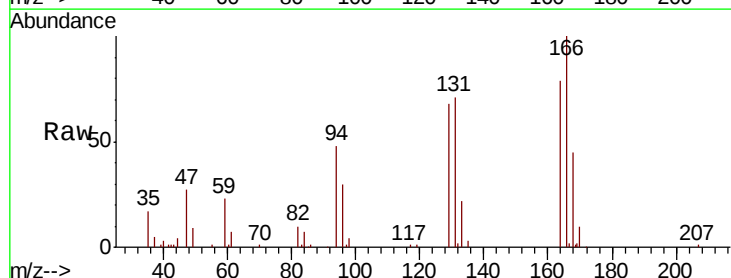
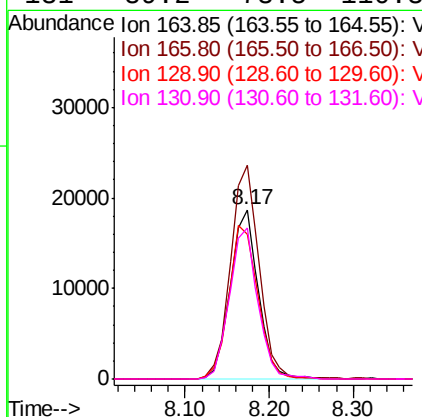
Manual Integrations
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#64
Tetrachloroethene
Concen: 20.592 ug/l
RT: 8.17 min Scan# 765
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	103.5	155.3
129	85.3	77.4	116.2
131	89.2	73.5	110.3





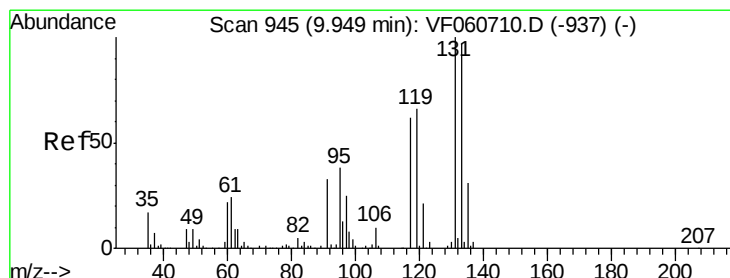
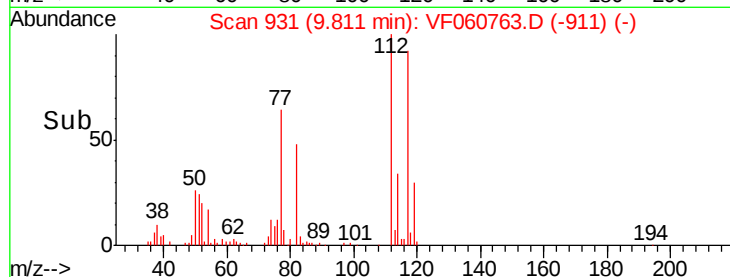
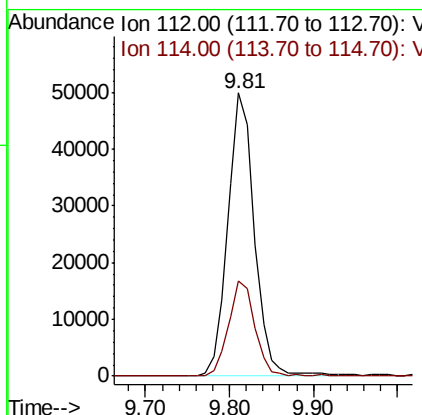
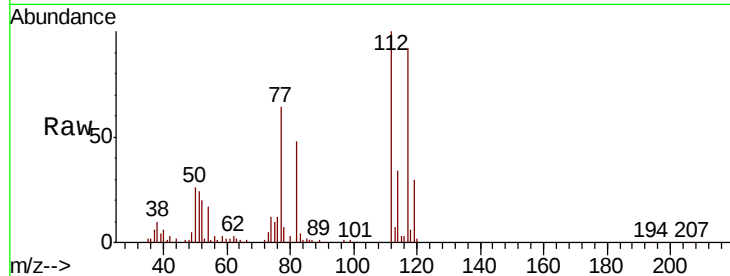
#65
Chlorobenzene
Concen: 20.429 ug/l
RT: 9.81 min Scan# 931
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.8	26.1	39.1

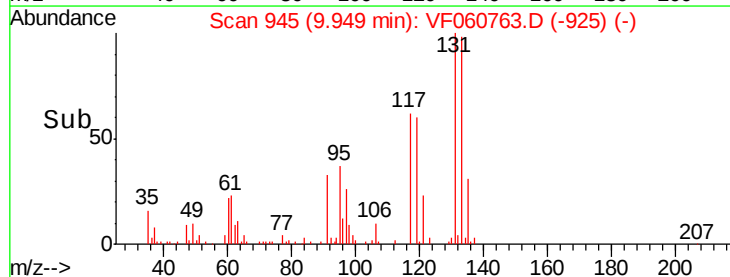
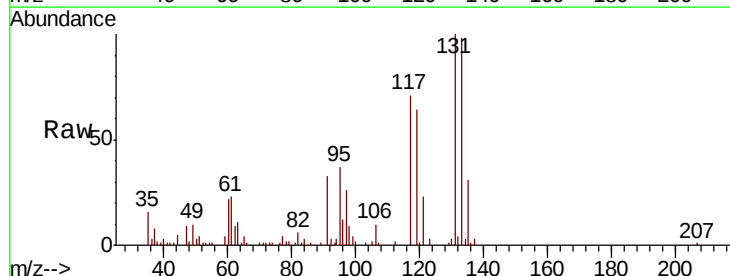
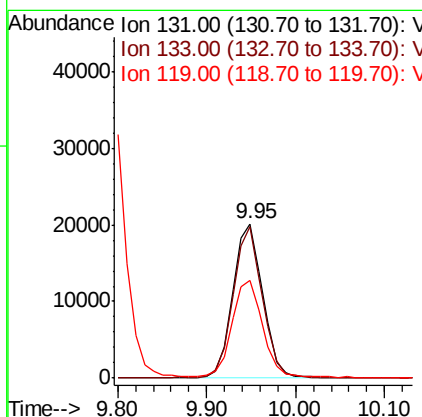
Manual Integrations
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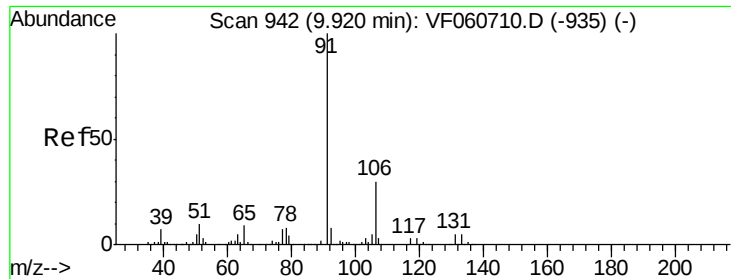
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.148 ug/l
RT: 9.95 min Scan# 945
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.9	48.3	144.8
119	63.6	33.2	99.6





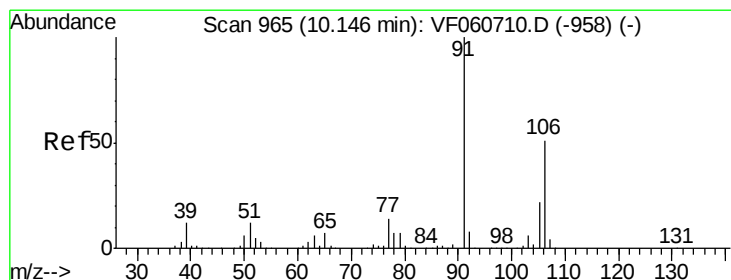
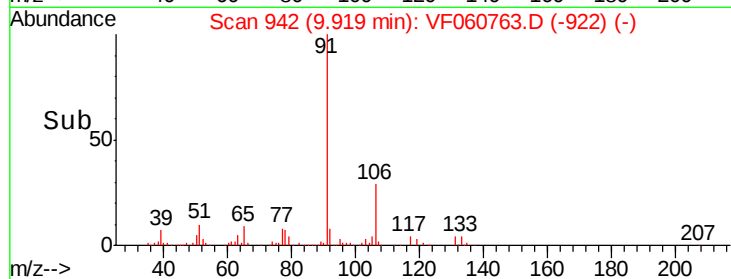
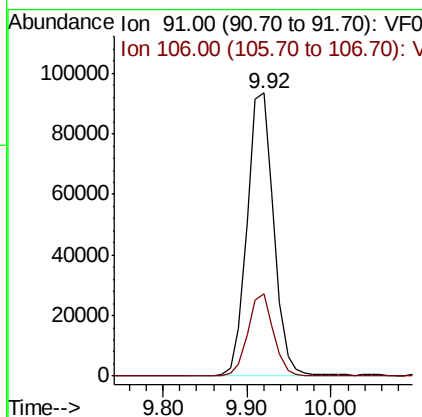
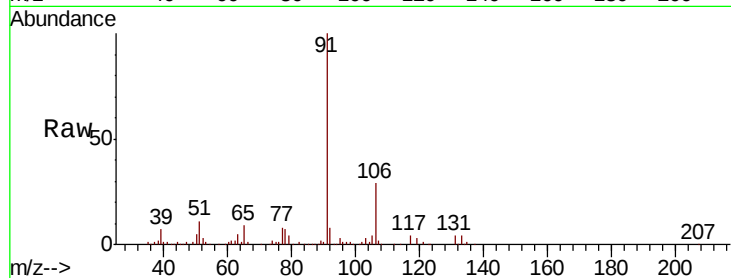
#67
Ethyl Benzene
Concen: 20.623 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion	91	Resp	208628
Ion Ratio	100	Lower	Upper
106	29.0	23.9	35.9

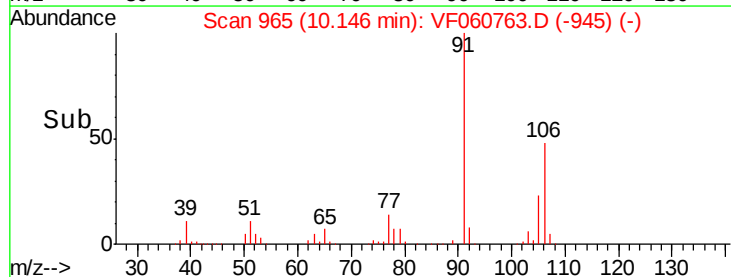
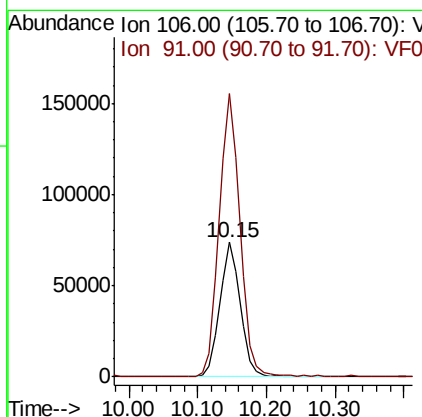
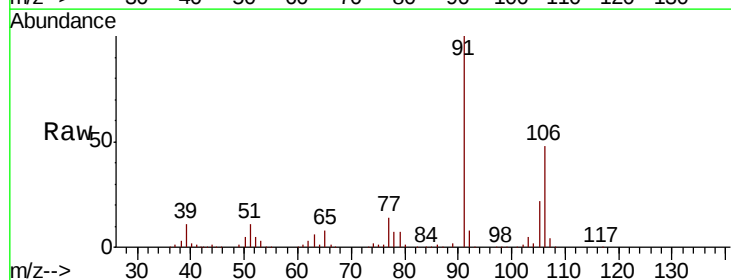
Manual Integrations
APPROVED

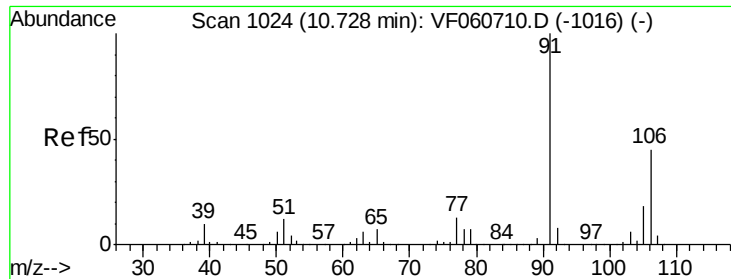
apatel
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#68
m/p-Xylenes
Concen: 42.304 ug/l
RT: 10.15 min Scan# 965
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Tgt Ion	106	Resp	152943
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	210.0	158.2	237.2





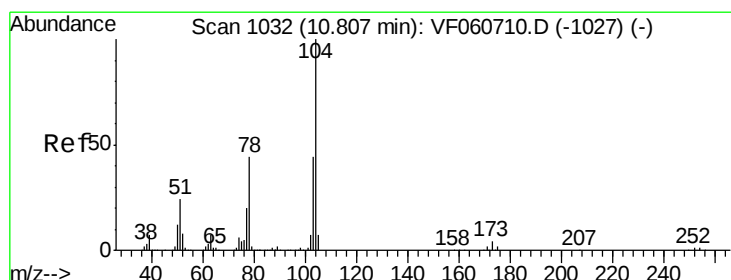
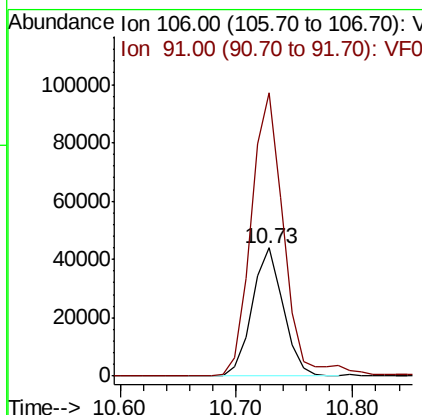
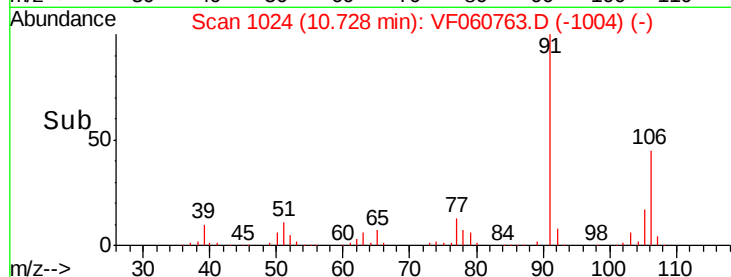
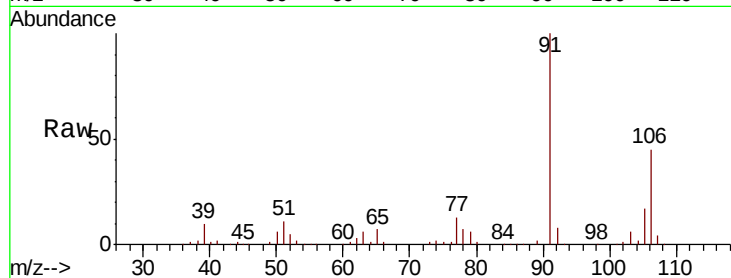
#69
o-Xylene
Concen: 20.090 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Instrument :
MSVOA_F
ClientSampled :
VF1116SBS01

Tot Ion:106 Resp: 81660
Ion Ratio Lower Upper
106 100
91 220.7 110.3 330.9

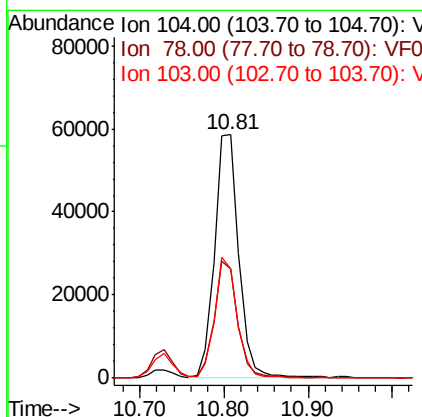
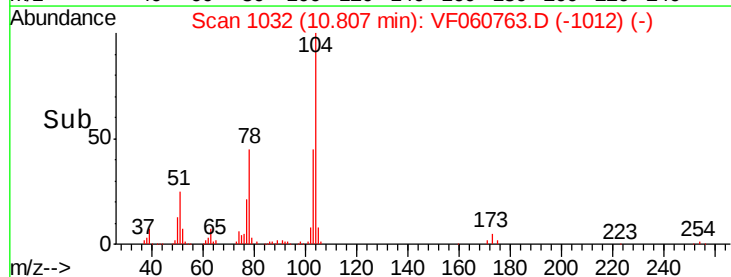
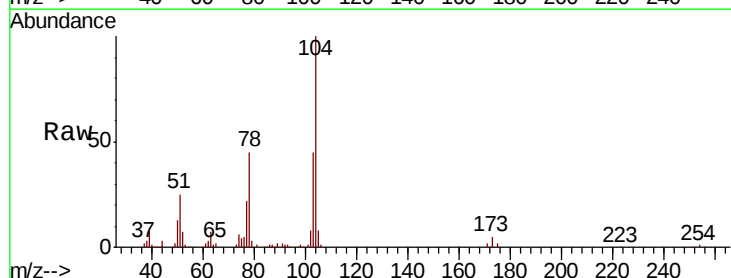
Manual Integrations
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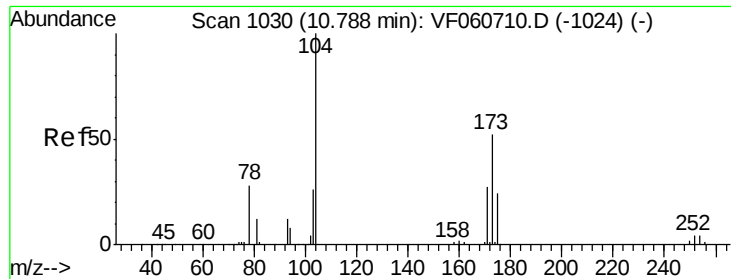
apatel
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#70
Styrene
Concen: 21.104 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Tgt Ion:104 Resp: 116417
Ion Ratio Lower Upper
104 100
78 44.7 35.4 53.2
103 44.7 35.8 53.6





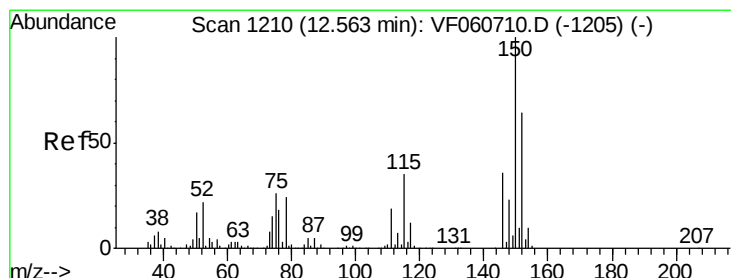
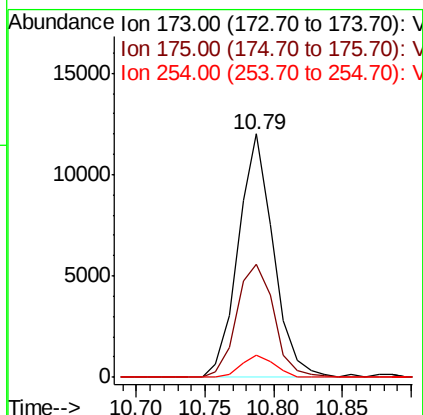
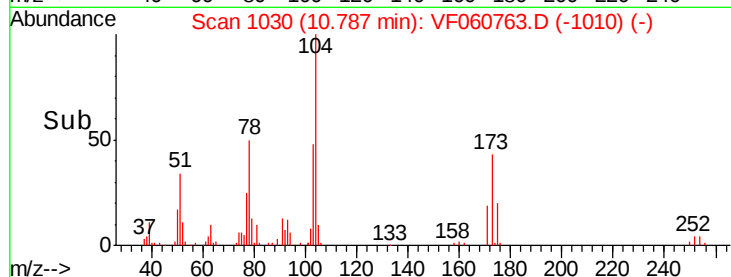
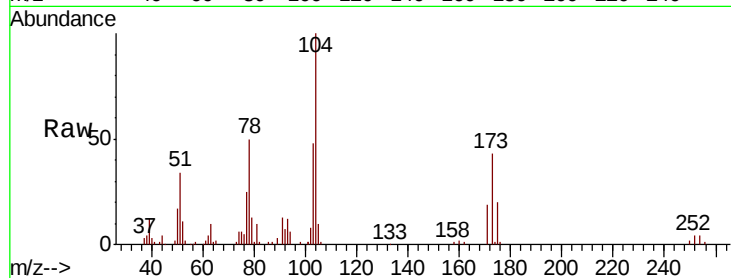
#71
Bromoform
Concen: 20.272 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.4	23.4	70.0
254	9.0	5.8	8.8#

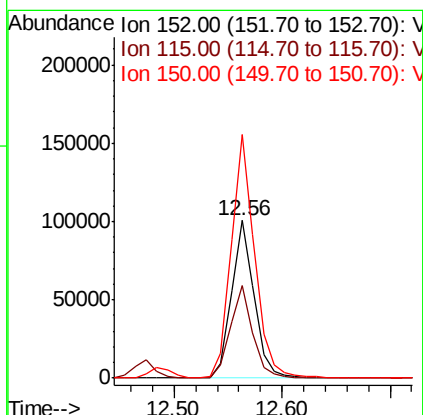
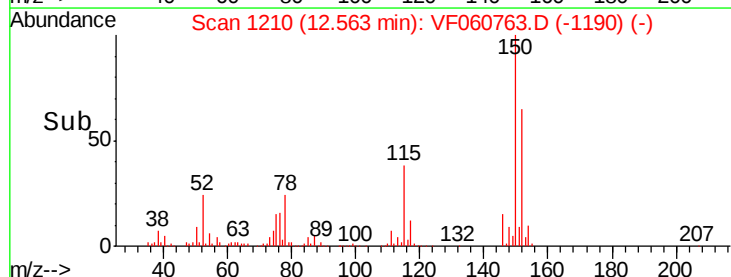
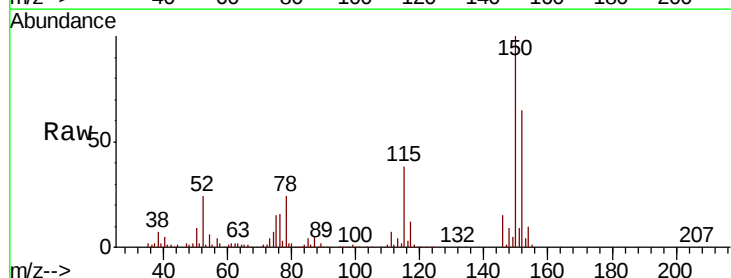
Manual Integrations
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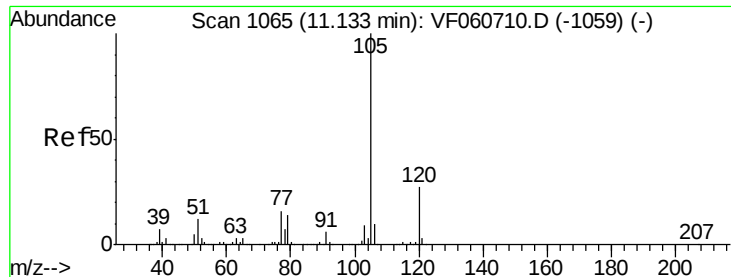
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	27.9	83.7
150	154.4	0.0	316.4





#73

Isopropylbenzene

Concen: 21.102 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

Tot Ion:105 Resp: 250318

Ion Ratio Lower Upper

105 100

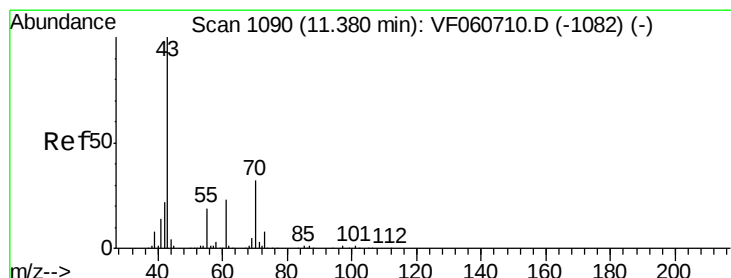
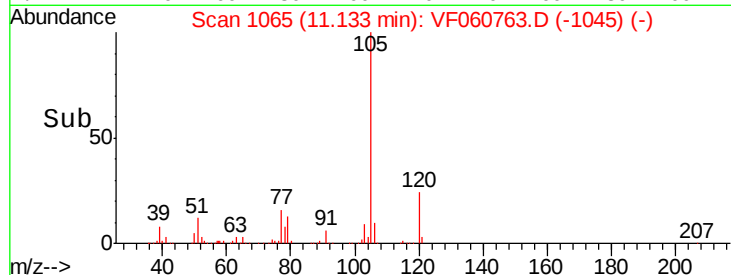
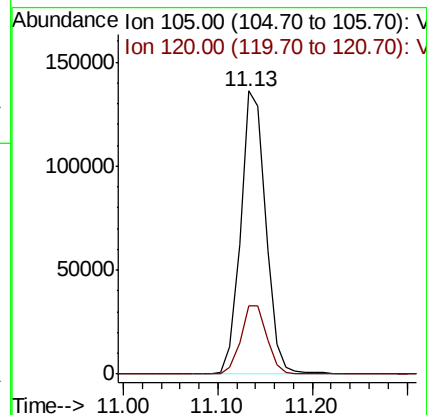
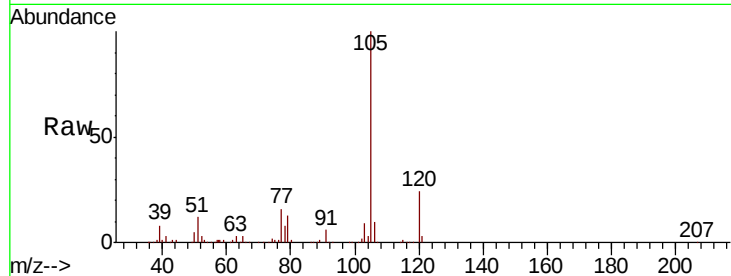
120 24.2 13.4 40.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.958 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Tgt Ion: 43 Resp: 56595

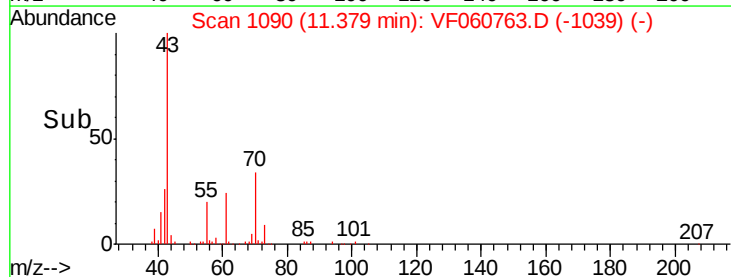
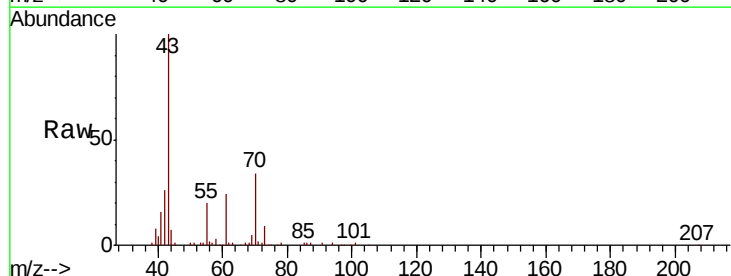
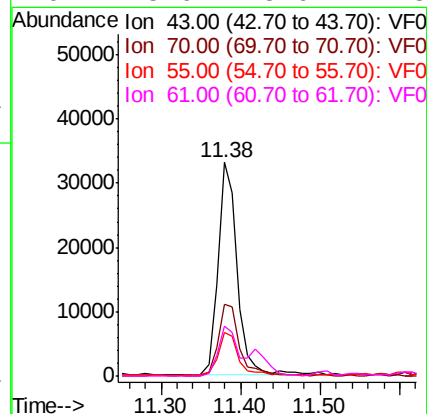
Ion Ratio Lower Upper

43 100

70 33.8 25.5 38.3

55 20.5 14.9 22.3

61 23.6 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.409 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

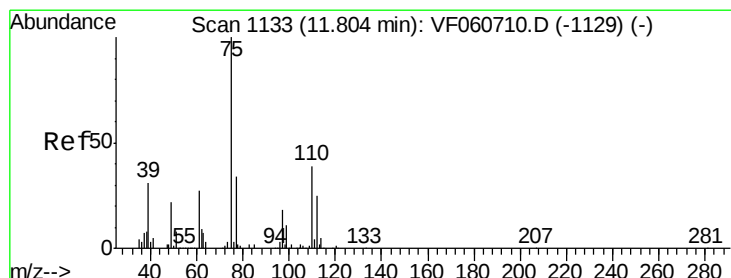
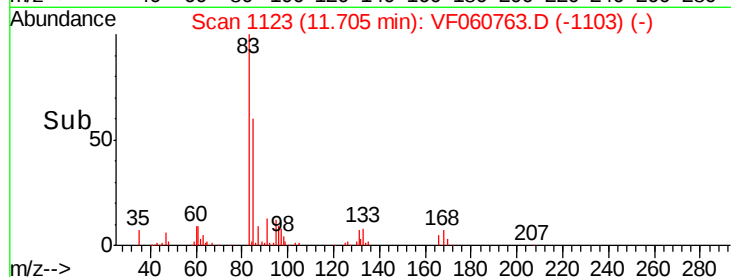
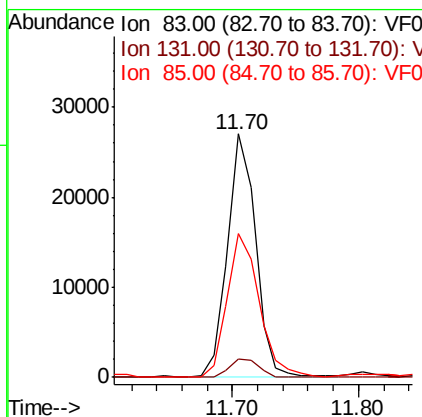
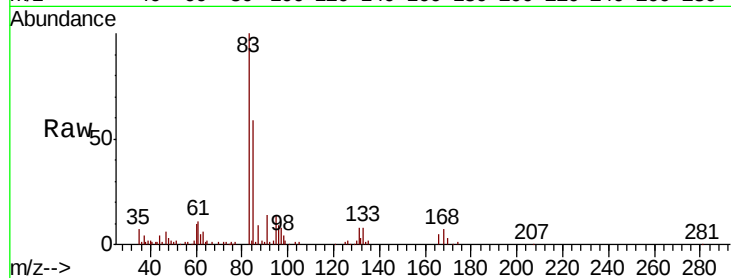
VF1116SBS01

Tot Ion:	83	Resp:	41986
Ion Ratio	Lower	Upper	
83	100		
131	7.5	4.2	12.4
85	59.1	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 20.739 ug/l

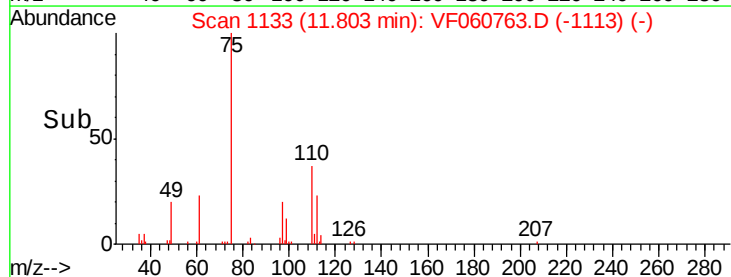
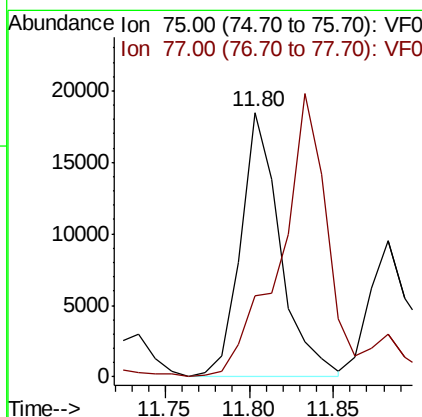
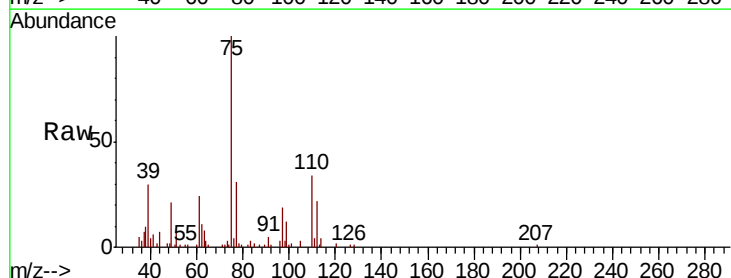
RT: 11.80 min Scan# 1133

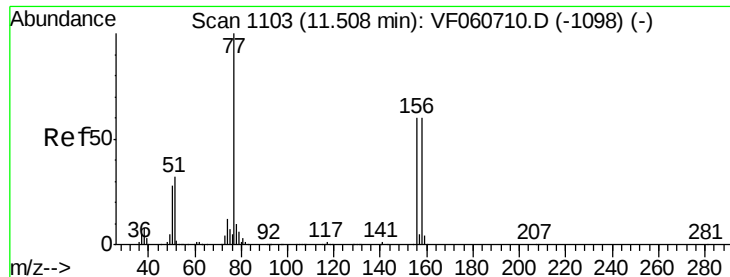
Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Tgt Ion:	75	Resp:	30207
Ion Ratio	Lower	Upper	
75	100		
77	30.7	17.0	51.0





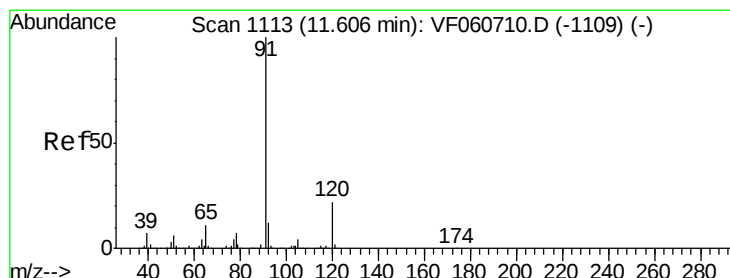
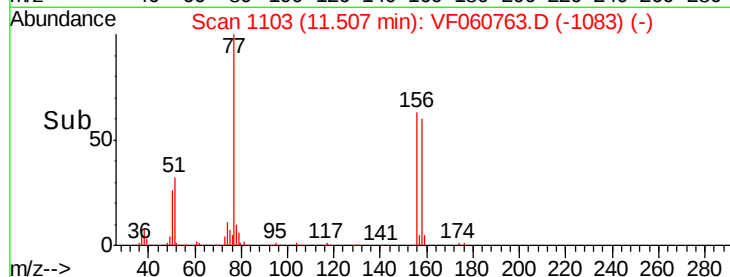
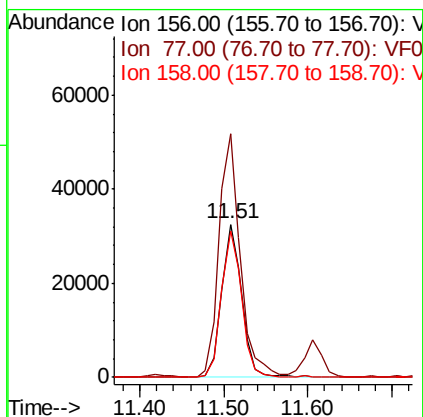
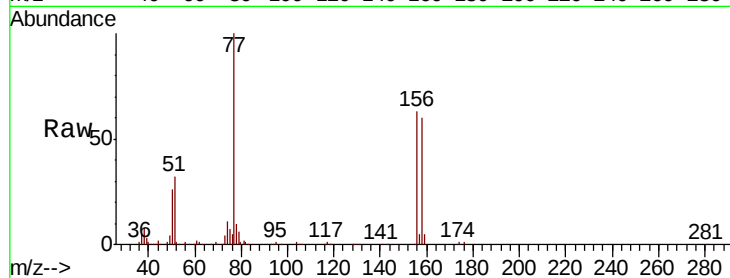
#77
Bromobenzene
Concen: 21.876 ug/l
RT: 11.51 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	159.3	83.0	248.9
158	96.0	49.6	149.0

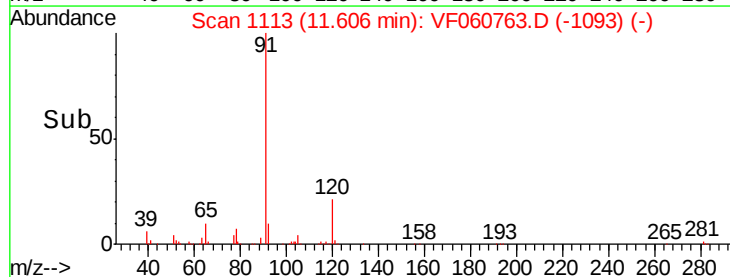
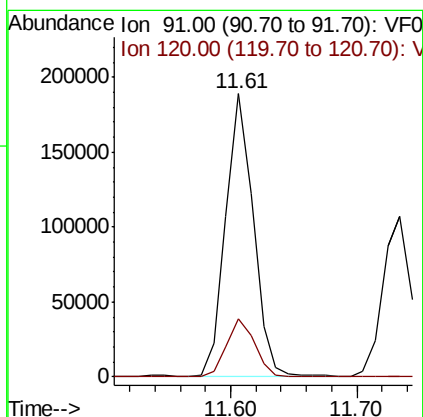
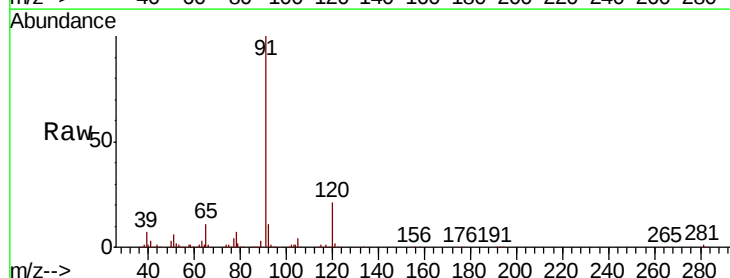
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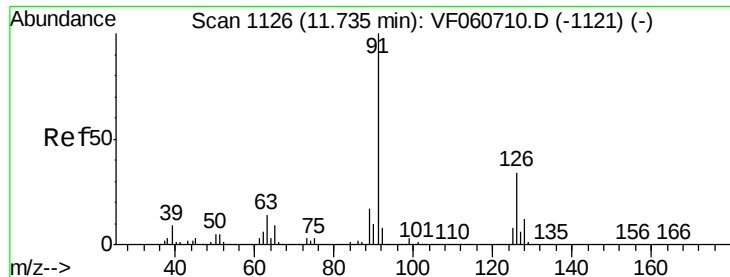
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#78
n-propylbenzene
Concen: 20.776 ug/l
RT: 11.61 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.6	11.2	33.5





#79

2-Chlorotoluene

Concen: 21.070 ug/l

RT: 11.73 min Scan# 1126

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

Tot Ion: 91 Resp: 169419

Ion Ratio Lower Upper

91 100

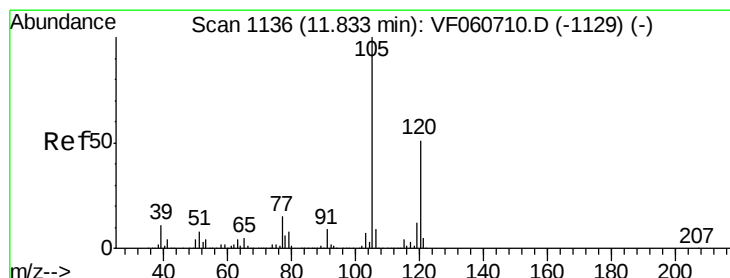
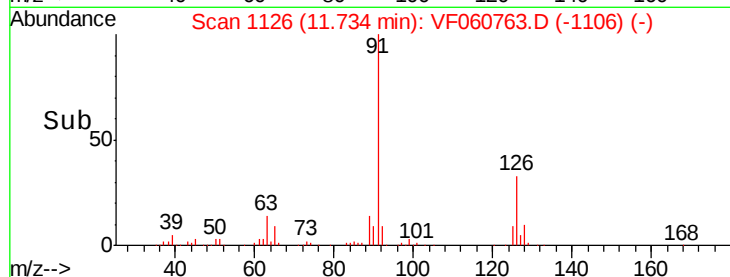
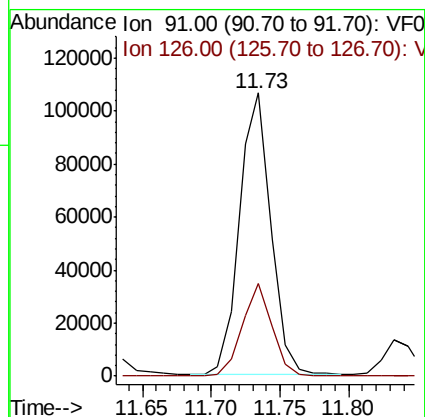
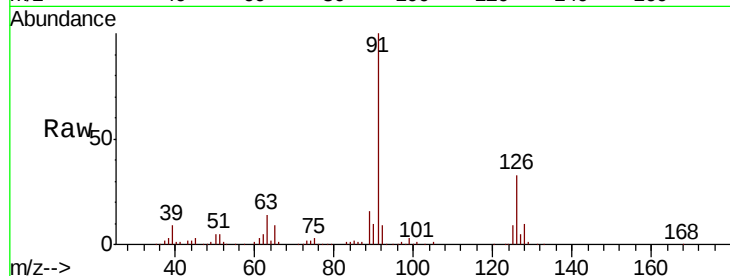
126 32.9 16.8 50.4

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#80

1,3,5-Trimethylbenzene

Concen: 22.175 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VF060763.D

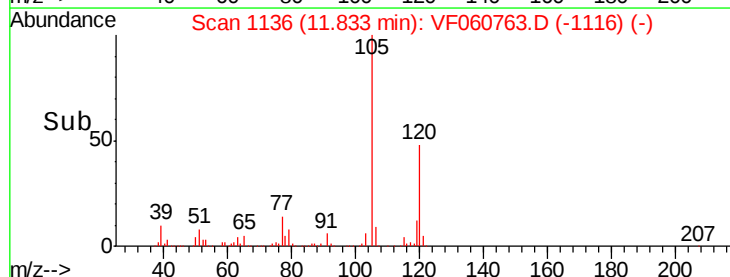
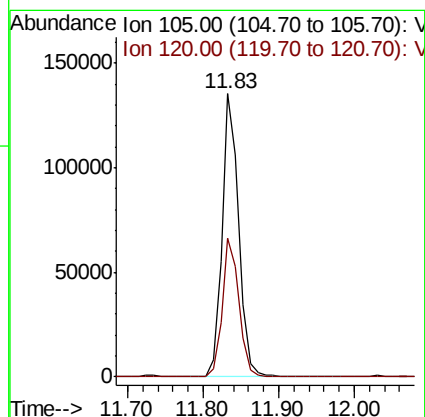
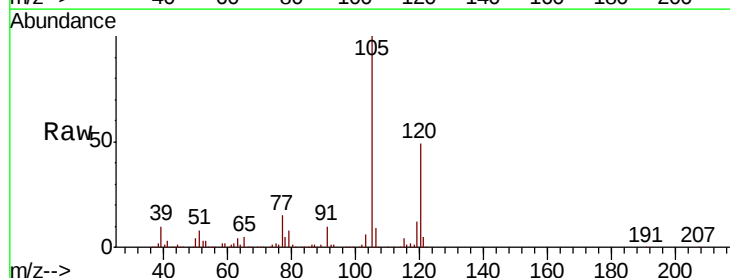
Acq: 16 Nov 2018 14:07

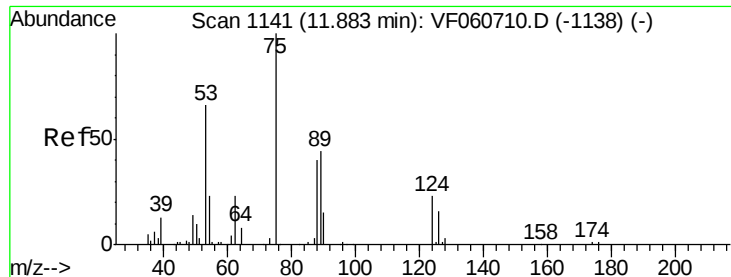
Tgt Ion: 105 Resp: 208831

Ion Ratio Lower Upper

105 100

120 48.8 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 21.948 ug/l m

RT: 11.88 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

Tot Ion: 75 Resp: 15705

Ion Ratio Lower Upper

75 100

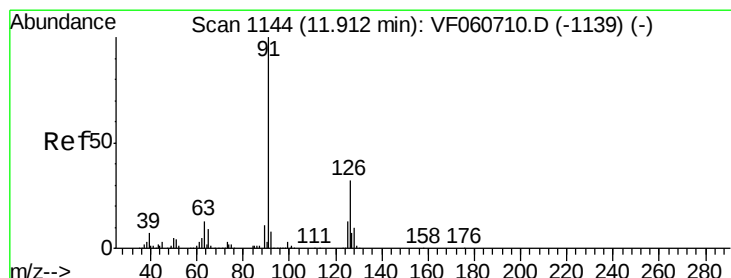
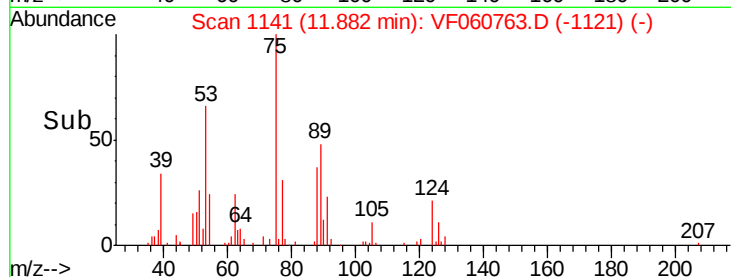
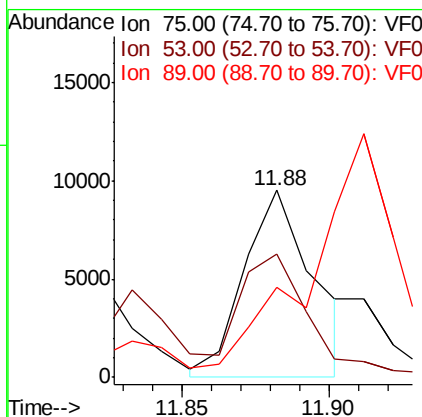
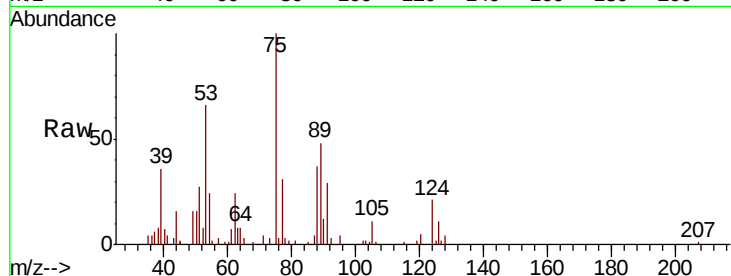
53 65.7 57.0 85.4

89 48.2 37.8 56.8

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#82

4-Chlorotoluene

Concen: 20.366 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VF060763.D

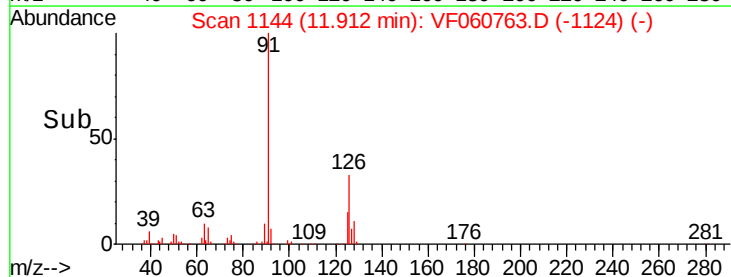
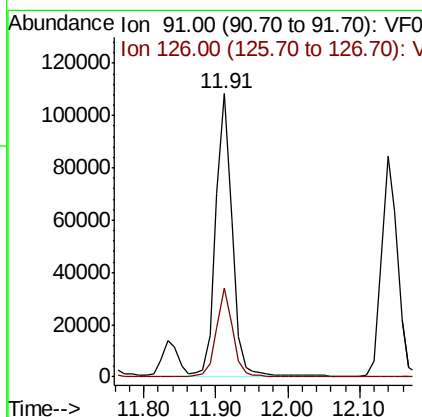
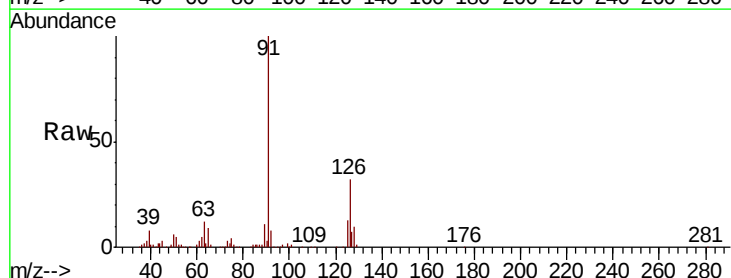
Acq: 16 Nov 2018 14:07

Tgt Ion: 91 Resp: 167759

Ion Ratio Lower Upper

91 100

126 31.6 16.0 47.9





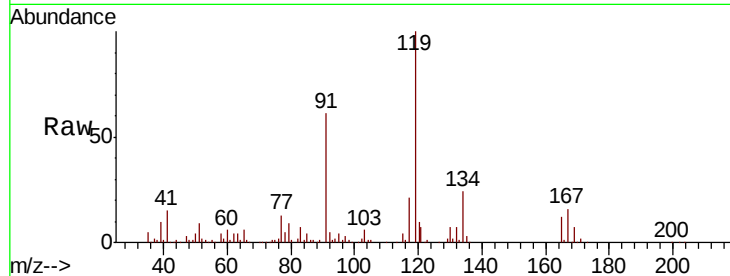
#83
 tert-Butylbenzene
 Concen: 21.861 ug/l
 RT: 12.14 min Scan# 1167
 Delta R.T. -0.00 min
 Lab File: VF060763.D
 Acq: 16 Nov 2018 14:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1116SBS01

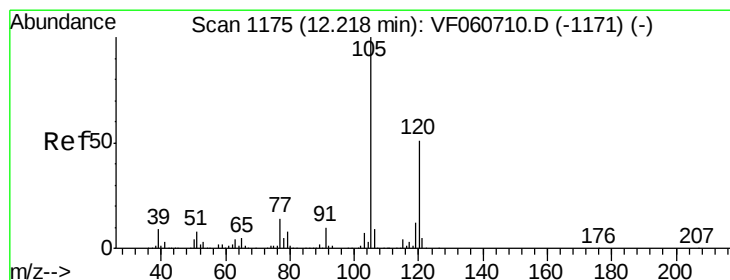
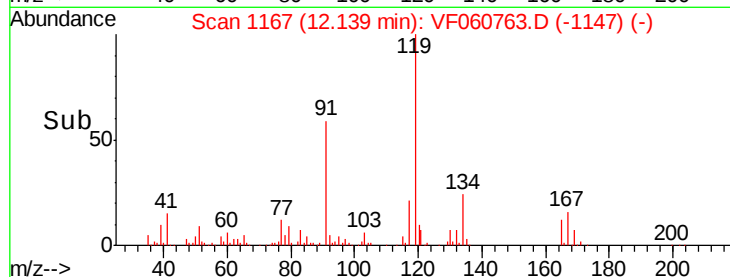
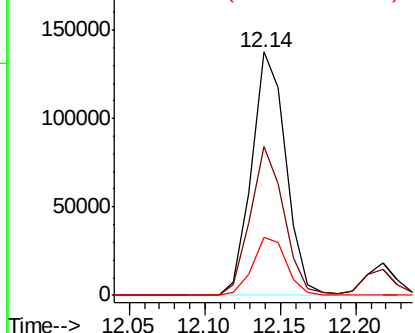
Tot Ion	Ratio	Resp	Lower	Upper
119	100	218588		
91	61.4		31.4	94.3
134	23.8		12.8	38.4

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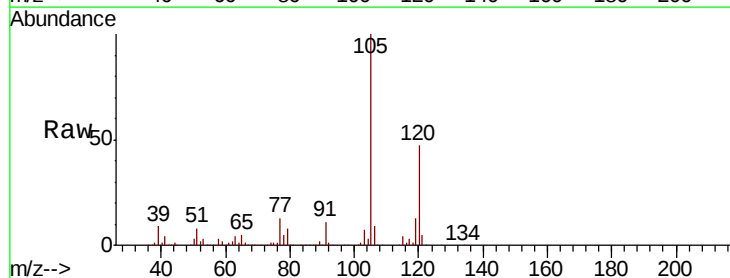


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

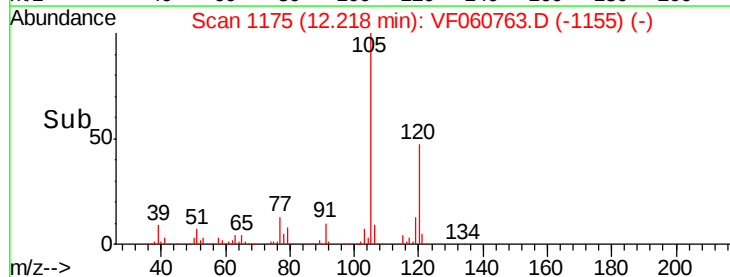
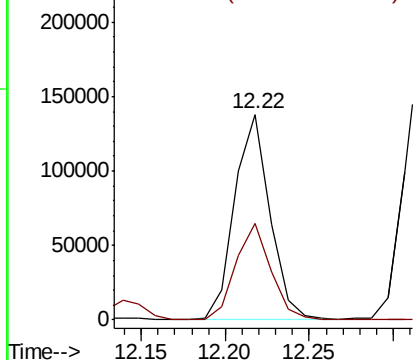


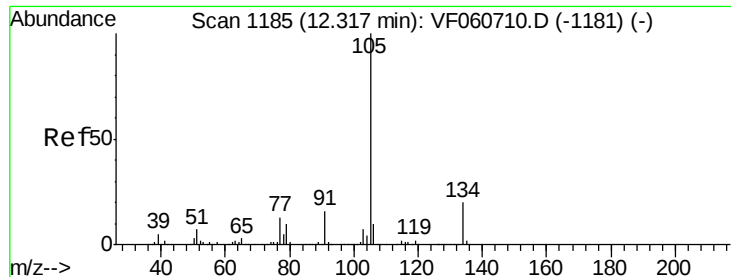
#84
 1,2,4-Trimethylbenzene
 Concen: 20.668 ug/l
 RT: 12.22 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VF060763.D
 Acq: 16 Nov 2018 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	201304		
120	46.9		25.5	76.5



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.640 ug/l

RT: 12.32 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

Tot Ion:105 Resp: 279957

Ion Ratio Lower Upper

105 100

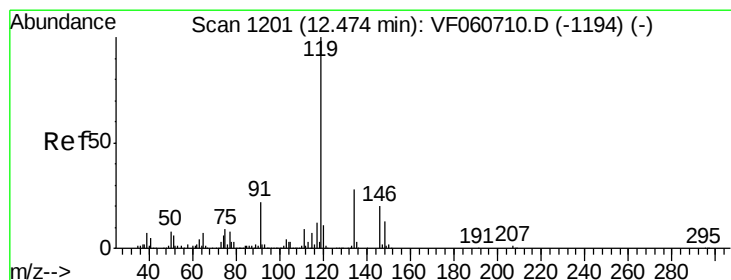
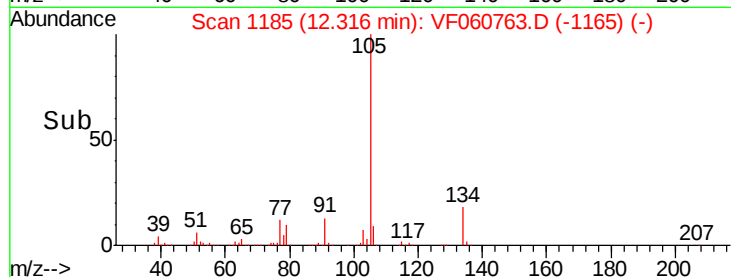
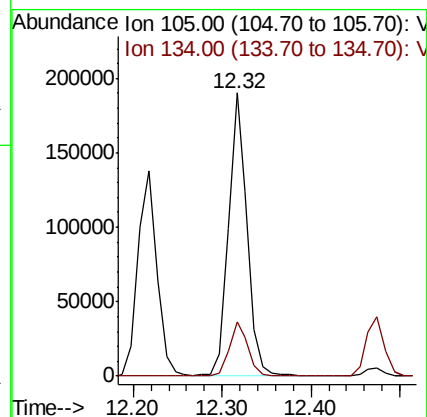
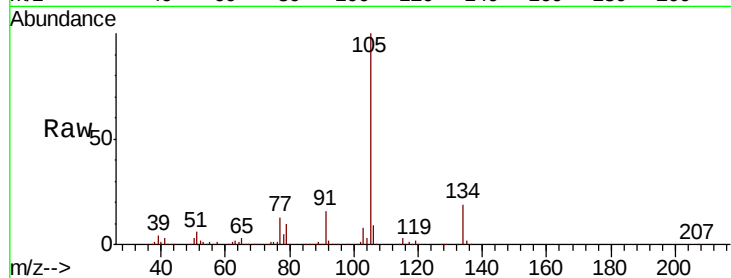
134 19.2 10.1 30.3

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#86

p-Isopropyltoluene

Concen: 20.880 ug/l

RT: 12.47 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

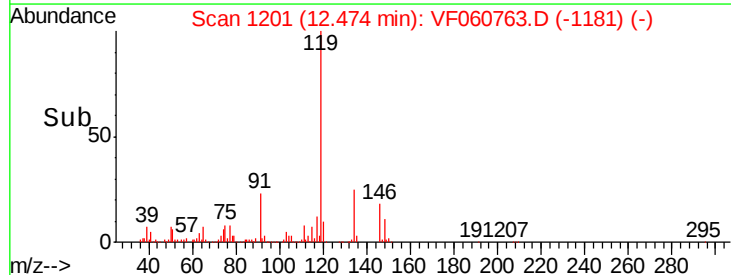
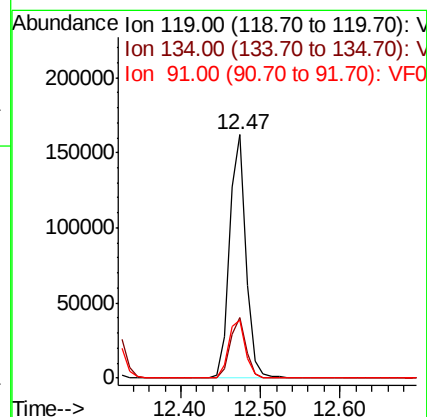
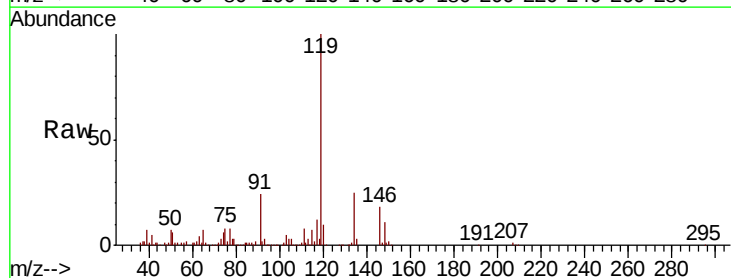
Tgt Ion:119 Resp: 236542

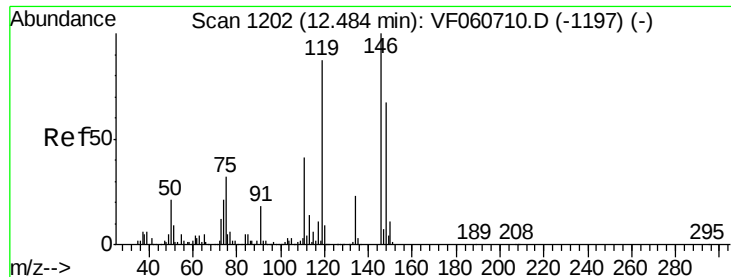
Ion Ratio Lower Upper

119 100

134 24.8 13.9 41.7

91 23.6 11.3 33.9





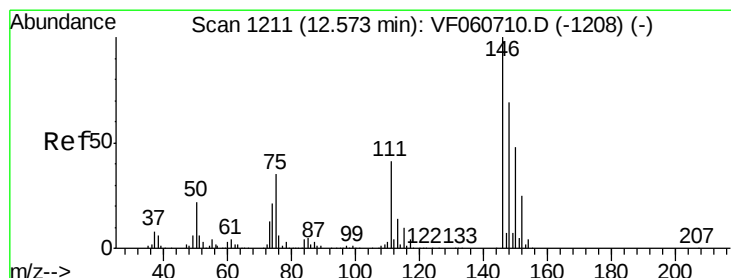
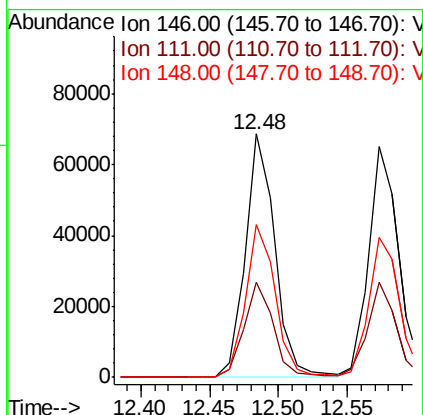
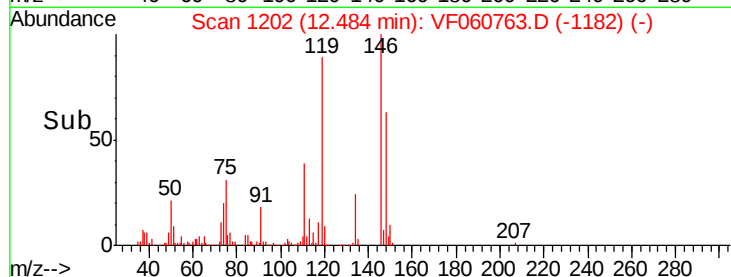
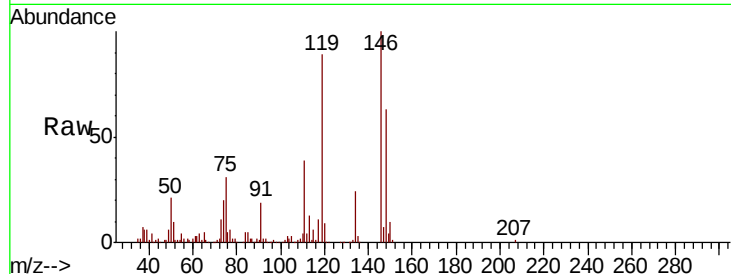
#87
 1,3-Dichlorobenzene
 Concen: 21.054 ug/l
 RT: 12.48 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VF060763.D
 Acq: 16 Nov 2018 14:07

Instrument :
 MSVOA_F
 ClientSampled :
 VF1116SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.3	60.8
148	62.9	33.3	99.9

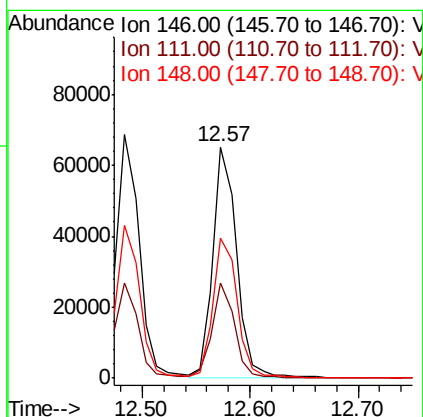
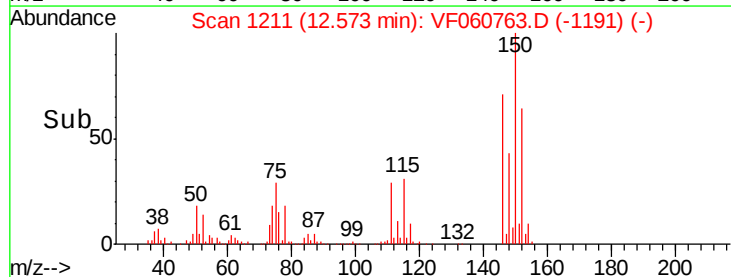
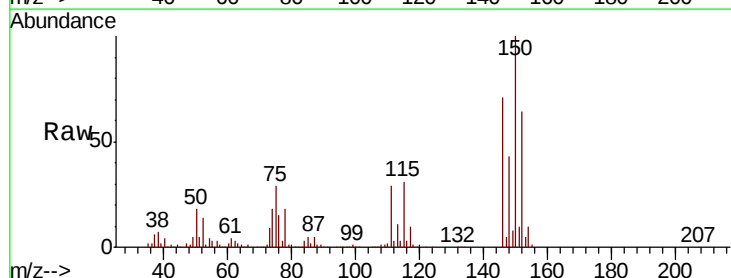
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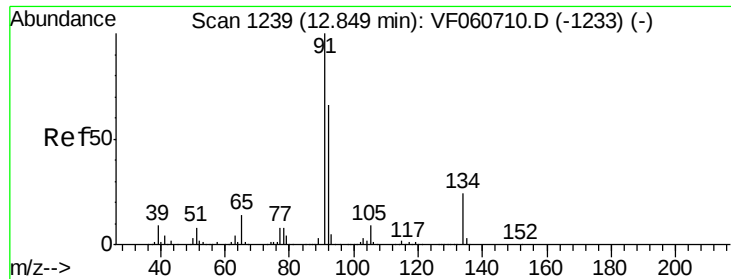
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#88
 1,4-Dichlorobenzene
 Concen: 21.035 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: VF060763.D
 Acq: 16 Nov 2018 14:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.6	61.9
148	60.7	34.7	104.1





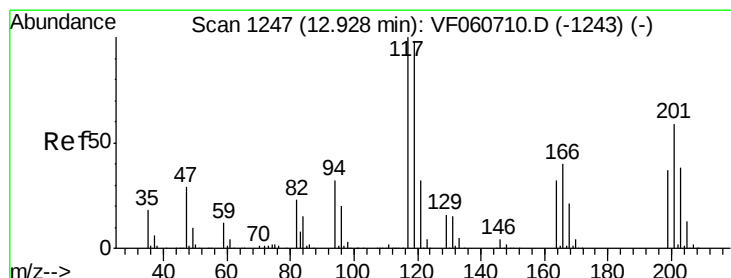
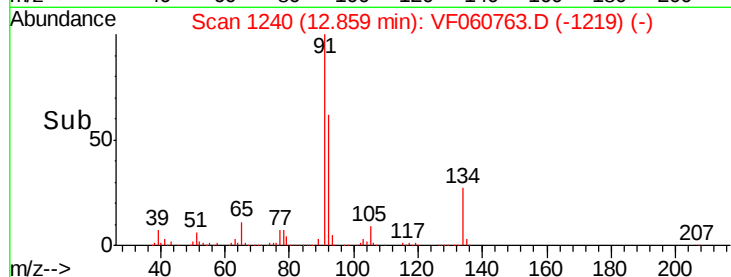
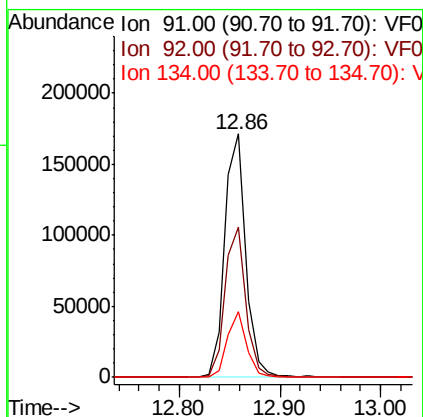
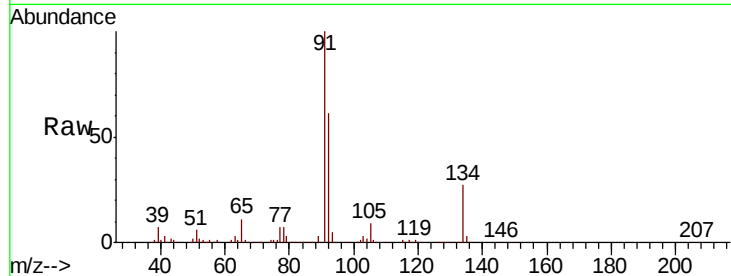
#89
n-Butylbenzene
Concen: 21.419 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	247632		
92	61.5	33.1	99.2	
134	26.7	11.9	35.9	

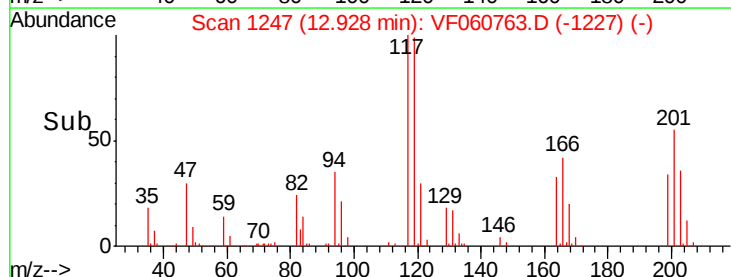
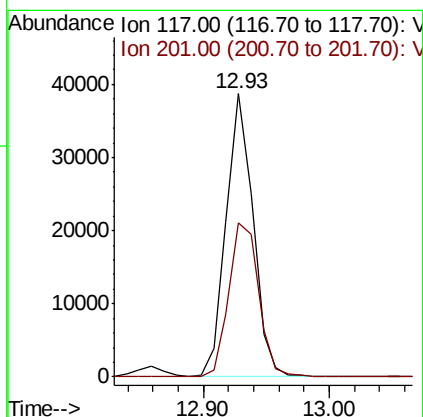
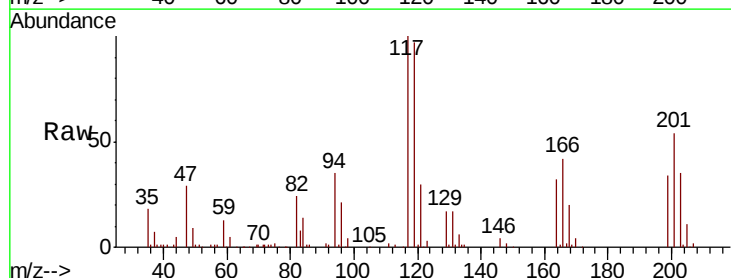
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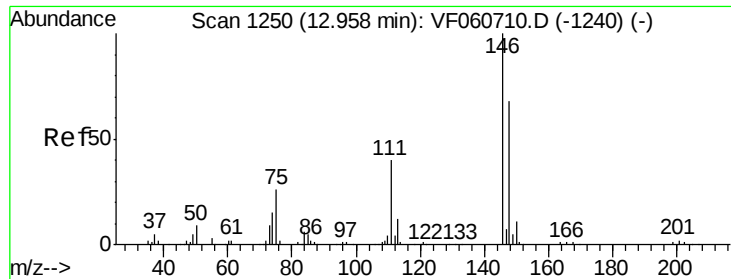
apatel
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#90
Hexachloroethane
Concen: 20.701 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	57359		
201	54.3	29.4	88.3	





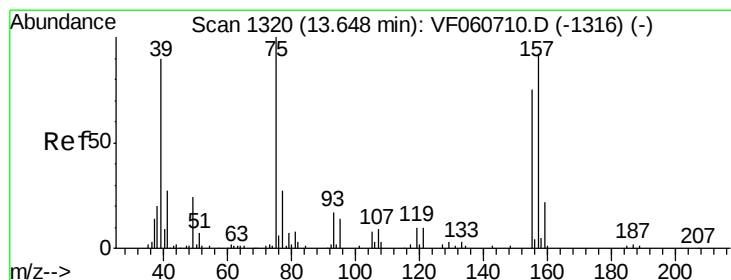
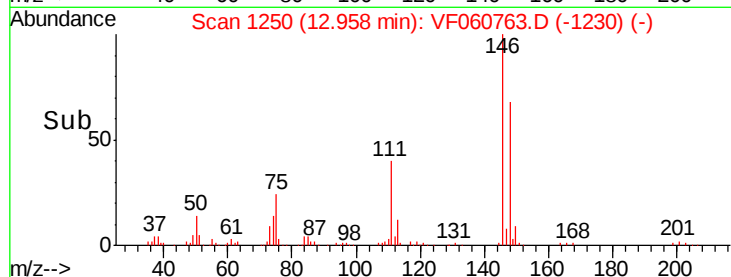
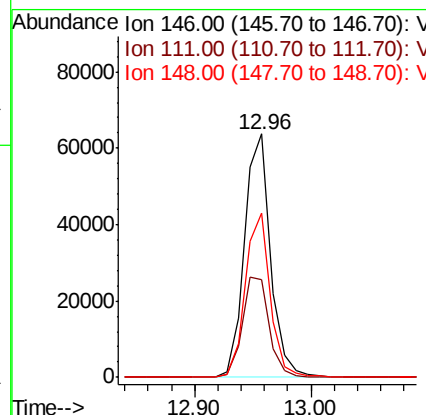
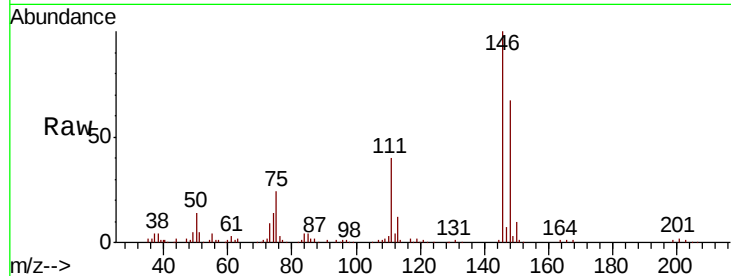
#91
 1,2-Dichlorobenzene
 Concen: 21.453 ug/l
 RT: 12.96 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VF060763.D
 Acq: 16 Nov 2018 14:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1116SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.3	60.8
148	67.4	34.1	102.3

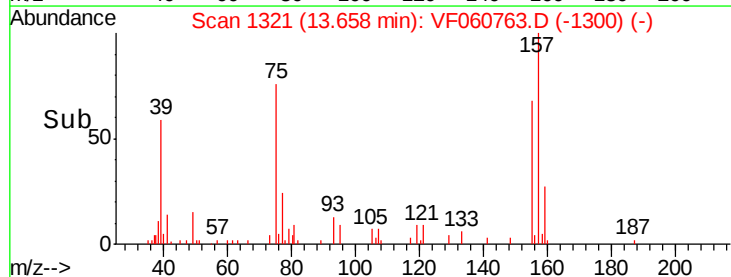
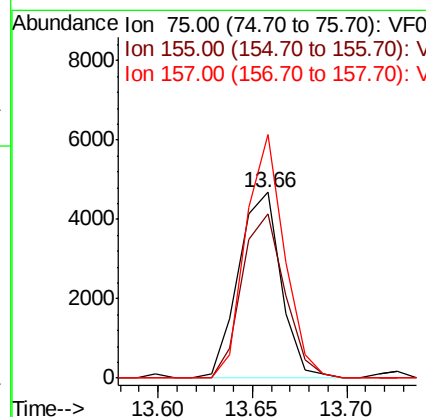
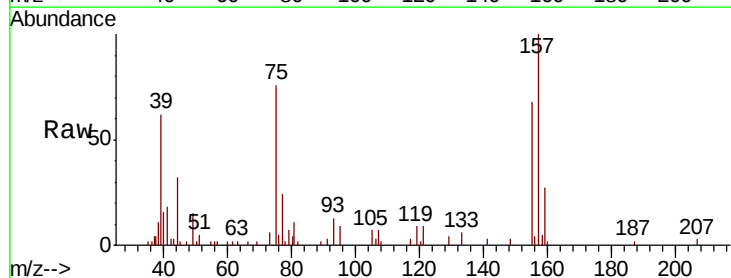
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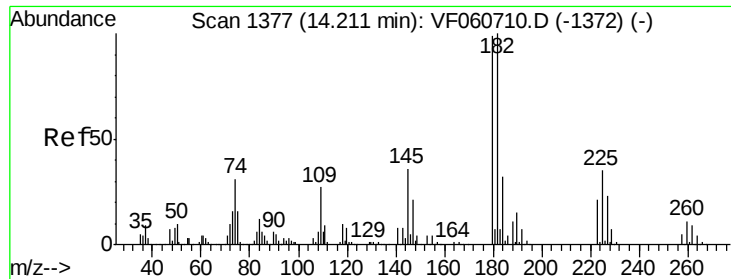
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.829 ug/l
 RT: 13.66 min Scan# 1321
 Delta R.T. 0.01 min
 Lab File: VF060763.D
 Acq: 16 Nov 2018 14:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.7	37.4	112.2
157	131.0	46.0	138.0





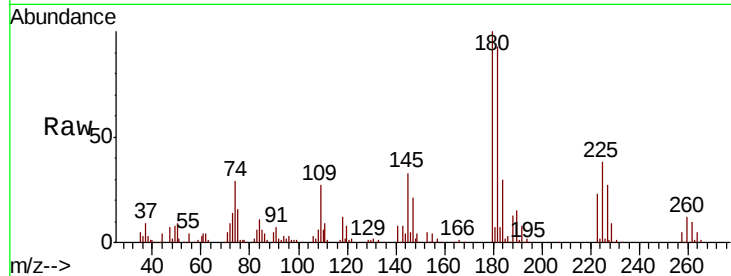
#93
 1,2,4-Trichlorobenzene
 Concen: 21.745 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VF060763.D
 Acq: 16 Nov 2018 14:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1116SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	50.3	151.0
145	33.1	18.3	54.9

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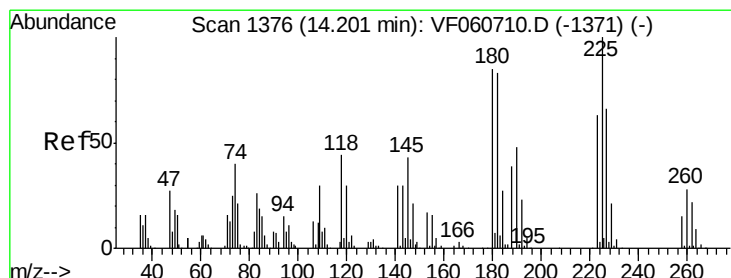
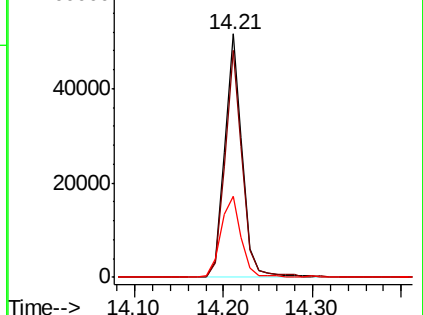
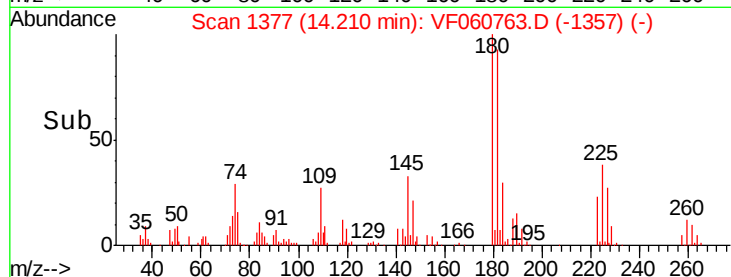


Abundance

Ion 180.00 (179.70 to 180.70): V

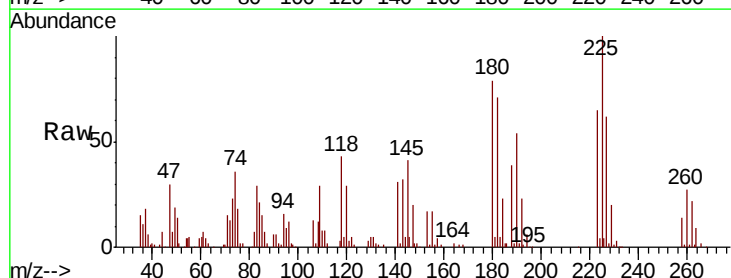
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 20.349 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VF060763.D
 Acq: 16 Nov 2018 14:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.7	31.5	94.5
227	62.0	33.0	99.0

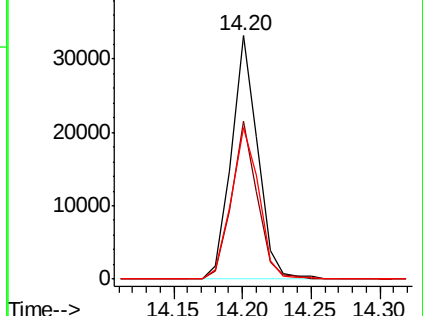
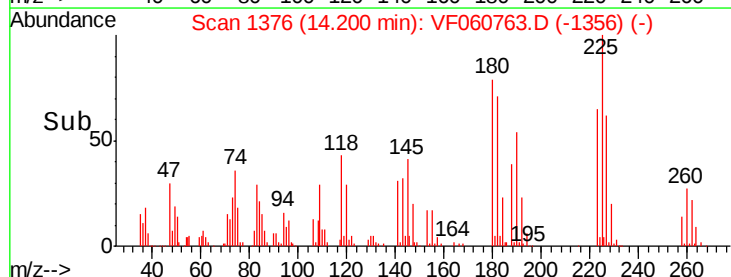


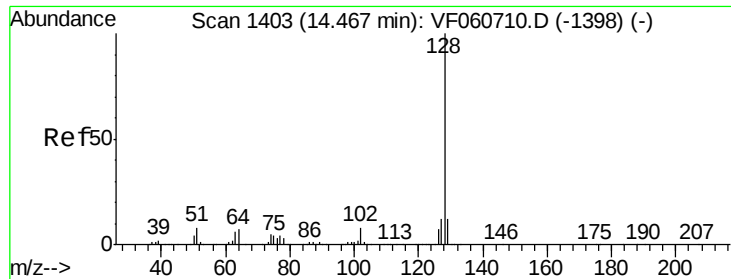
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





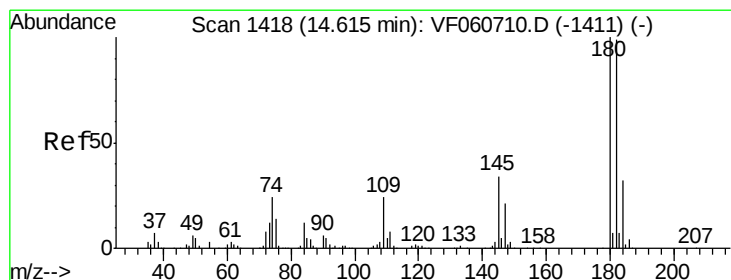
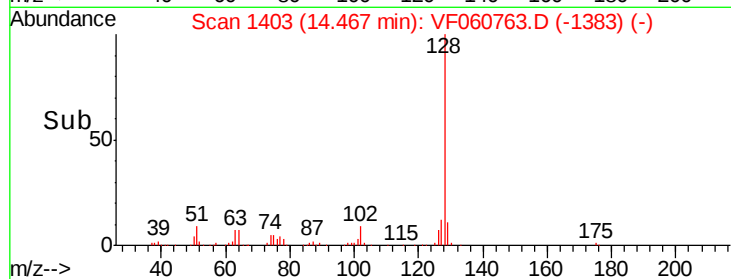
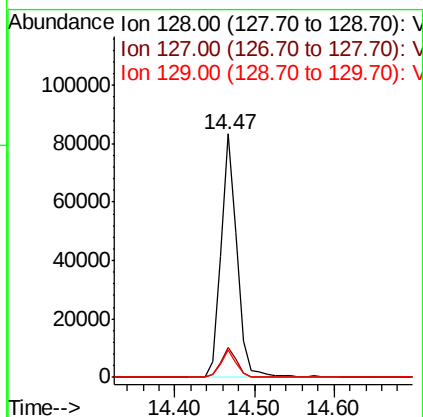
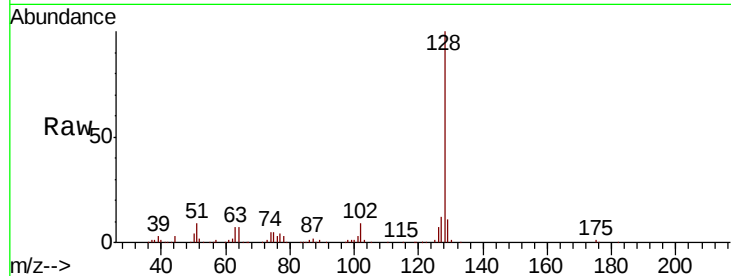
#95
Naphthalene
Concen: 19.624 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.8	14.6
129	11.4	9.3	13.9

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#96
1,2,3-Trichlorobenzene
Concen: 20.795 ug/l
RT: 14.61 min Scan# 1418
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	49.6	149.0
145	33.1	16.9	50.7

