

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110618\
 Data File : VF060612.D
 Acq On : 6 Nov 2018 14:33
 Operator : VA/AP
 Sample : VF1106SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1106SBS01

Manual Integrations
 APPROVED

apatel
 11/7/2018 11:21:31 AM

Quant Time: Nov 06 14:24:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	256335	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.61	114	469378	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.79	117	398105	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	219506	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	153078	59.11	ug/l	0.01
Spiked Amount	50.000		Recovery	=	118.22%	
35) Dibromofluoromethane	4.13	113	181373	50.01	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.02%	
50) Toluene-d8	7.57	98	531197	49.45	ug/l	0.01
Spiked Amount	50.000		Recovery	=	98.90%	
62) 4-Bromofluorobenzene	11.43	95	245627	52.27	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	92454	33.170	ug/l	99
3) Chloromethane	1.09	50	66583	29.679	ug/l	100
4) Vinyl Chloride	1.15	62	58799	28.443	ug/l	99
5) Bromomethane	1.32	94	29130	25.104	ug/l	87
6) Chloroethane	1.38	64	19113	23.313	ug/l	92
7) Trichlorofluoromethane	1.49	101	98777	25.529	ug/l	92
8) Diethyl Ether	1.63	74	16480	22.981	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.82	101	55632	25.161	ug/l	99
10) Methyl Iodide	1.89	142	87137	23.949	ug/l	95
11) Tert butyl alcohol	2.58	59	17041	122.172	ug/l	94
12) 1,1-Dichloroethene	1.78	96	45635	24.506	ug/l	90
13) Acrolein	2.01	56	12496	131.070	ug/l	99
14) Allyl chloride	2.10	41	79597	26.177	ug/l	99
15) Acrylonitrile	2.96	53	36137	117.075	ug/l	97
16) Acetone	2.25	43	94843	155.407	ug/l	100
17) Carbon Disulfide	1.83	76	132325	25.226	ug/l	98
18) Methyl Acetate	2.35	43	23499	25.030	ug/l #	90
19) Methyl tert-butyl Ether	2.44	73	112212	25.777	ug/l	95
20) Methylene Chloride	2.19	84	48270m	23.814	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	50066	25.627	ug/l	96
22) Diisopropyl ether	2.81	45	159505	24.759	ug/l	97
23) Vinyl Acetate	3.20	43	447781	115.683	ug/l	100
24) 1,1-Dichloroethane	2.88	63	90774	24.347	ug/l	98
25) 2-Butanone	4.35	43	165808	128.925	ug/l	94
26) 2,2-Dichloropropane	3.62	77	67819	24.310	ug/l	97
27) cis-1,2-Dichloroethene	3.49	96	86358	23.155	ug/l	95
28) Bromochloromethane	3.74	49	56534	24.162	ug/l	98
29) Tetrahydrofuran	4.09	42	62596	133.467	ug/l	99
30) Chloroform	3.87	83	141263	23.948	ug/l	96
31) Cyclohexane	3.72	56	119540	23.234	ug/l	94
32) 1,1,1-Trichloroethane	4.11	97	103224	25.056	ug/l	98
36) 1,1-Dichloropropene	4.30	75	109040	21.098	ug/l	95
37) Ethyl Acetate	4.13	43	53219	21.451	ug/l	90
38) Carbon Tetrachloride	4.01	117	101609m	23.008	ug/l	

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Quant Time: Nov 06 14:24:05 2018
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	141389	22.418	ug/l	95
40) Benzene	4.65	78	276869	22.070	ug/l	98
41) Methacrylonitrile	4.76	41	29247	20.817	ug/l	96
42) 1,2-Dichloroethane	4.96	62	74954	20.817	ug/l	99
43) Isopropyl Acetate	6.98	43	65607	20.906	ug/l #	99
44) Trichloroethene	5.52	130	83265	22.085	ug/l	97
45) 1,2-Dichloropropane	6.25	63	76862	23.956	ug/l	95
46) Dibromomethane	6.10	93	44408	21.817	ug/l	89
47) Bromodichloromethane	6.40	83	110501	22.507	ug/l	98
48) Methyl methacrylate	6.73	41	42780	21.691	ug/l	97
49) 1,4-Dioxane	6.71	88	7933	384.500	ug/l #	77
51) 4-Methyl-2-Pentanone	8.27	43	251926	119.379	ug/l	99
52) Toluene	7.64	92	163041	19.951	ug/l	98
53) t-1,3-Dichloropropene	8.30	75	91007	21.328	ug/l	97
54) cis-1,3-Dichloropropene	7.32	75	114653	21.266	ug/l	99
55) 1,1,2-Trichloroethane	8.51	97	49760	20.925	ug/l	95
56) Ethyl methacrylate	8.64	69	60959	19.924	ug/l	97
57) 1,3-Dichloropropane	8.87	76	89651	21.486	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.64	63	22648	103.499	ug/l	100
59) 2-Hexanone	9.51	43	191398	124.077	ug/l	99
60) Dibromochloromethane	8.74	129	64001	19.244	ug/l	92
61) 1,2-Dibromoethane	9.00	107	55319	22.121	ug/l	97
64) Tetrachloroethene	8.17	164	62972	20.183	ug/l	93
65) Chlorobenzene	9.82	112	175442	21.550	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.95	131	72498	21.075	ug/l	95
67) Ethyl Benzene	9.92	91	314336	21.277	ug/l	99
68) m/p-Xylenes	10.15	106	249950	44.914	ug/l	98
69) o-Xylene	10.73	106	136521	22.466	ug/l	89
70) Styrene	10.81	104	189612	21.538	ug/l	100
71) Bromoform	10.79	173	38451	21.642	ug/l #	89
73) Isopropylbenzene	11.14	105	385903	22.542	ug/l	96
74) N-amyl acetate	11.38	43	104527	22.110	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.71	83	80176	25.659	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	34705	22.600	ug/l	94
77) Bromobenzene	11.51	156	81929	21.872	ug/l	98
78) n-propylbenzene	11.61	91	442188	22.077	ug/l	100
79) 2-Chlorotoluene	11.74	91	262044	22.909	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	308462	21.860	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.88	75	27092m	22.449	ug/l	
82) 4-Chlorotoluene	11.91	91	266154	22.302	ug/l	100
83) tert-Butylbenzene	12.14	119	325044	22.549	ug/l	94
84) 1,2,4-Trimethylbenzene	12.22	105	308706	22.340	ug/l	99
85) sec-Butylbenzene	12.32	105	449076	22.646	ug/l	98
86) p-Isopropyltoluene	12.48	119	367619	22.512	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	162295	22.074	ug/l	94
88) 1,4-Dichlorobenzene	12.58	146	155156	22.249	ug/l	98
89) n-Butylbenzene	12.86	91	368067	20.669	ug/l	95
90) Hexachloroethane	12.93	117	90567	21.809	ug/l	81
91) 1,2-Dichlorobenzene	12.96	146	159408	23.175	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.66	75	12820	23.615	ug/l	92

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Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	110285	23.601	ug/l	96
94) Hexachlorobutadiene	14.20	225	66636	22.007	ug/l	96
95) Naphthalene	14.47	128	202759	21.679	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	100008	22.656	ug/l	96

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

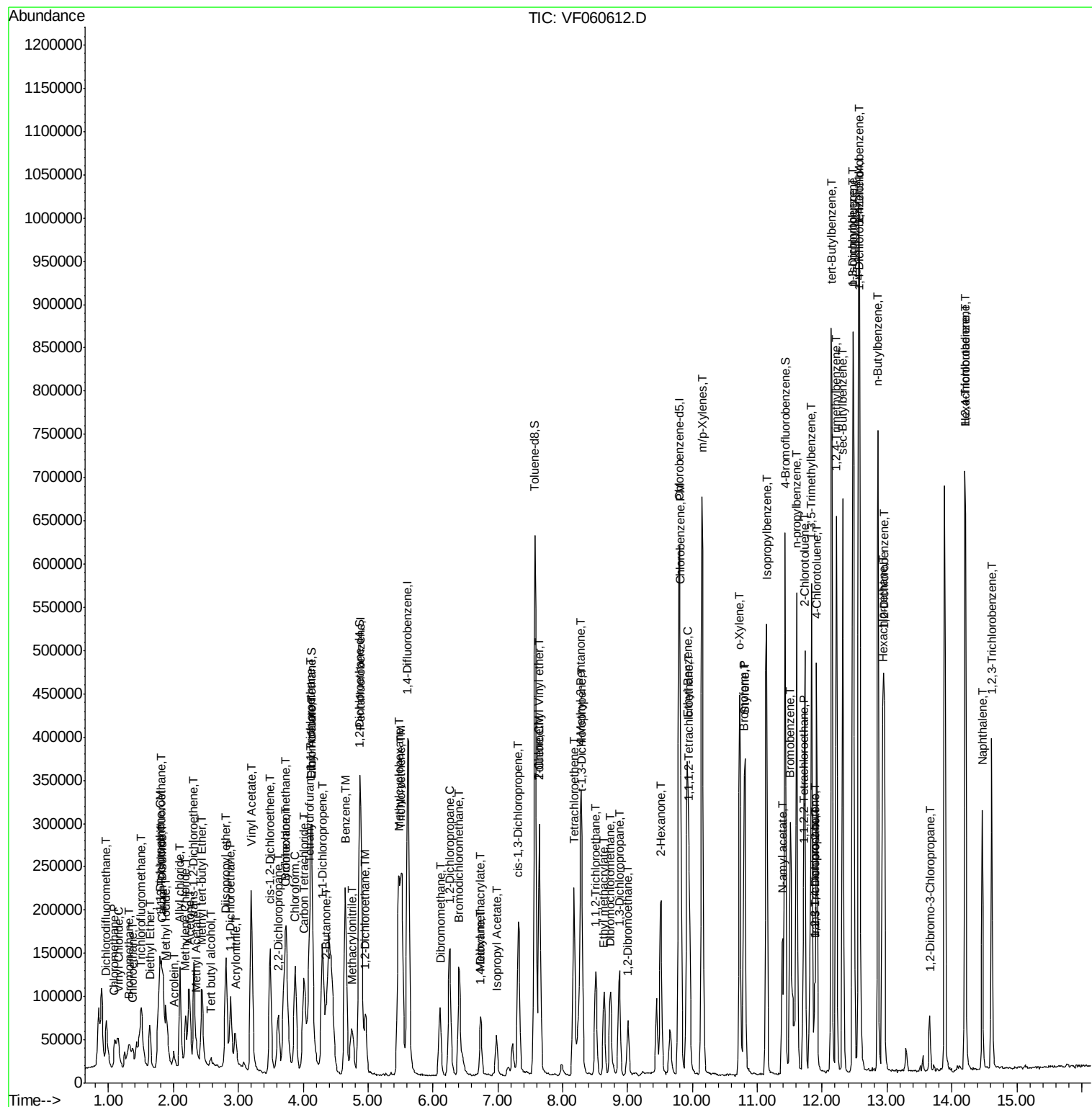
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF110618\
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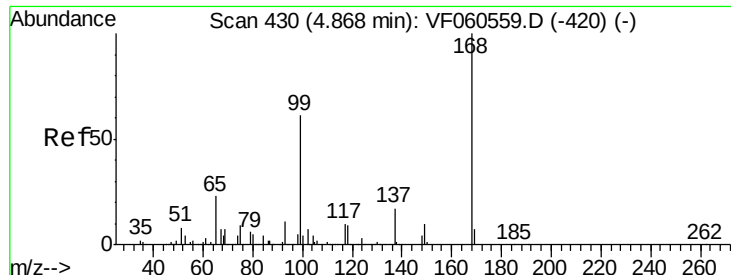
Instrument :
 MSVOA_F
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.02 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

VF1106SBS01

Tot Ion:168 Resp: 256335

Ion Ratio Lower Upper

168 100

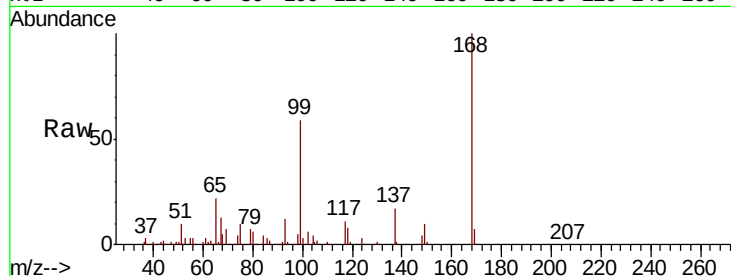
99 59.2 48.6 72.8

Manual Integrations

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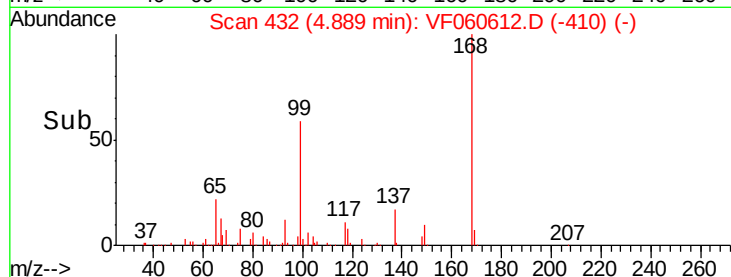
11/7/2018 11:21:31 AM



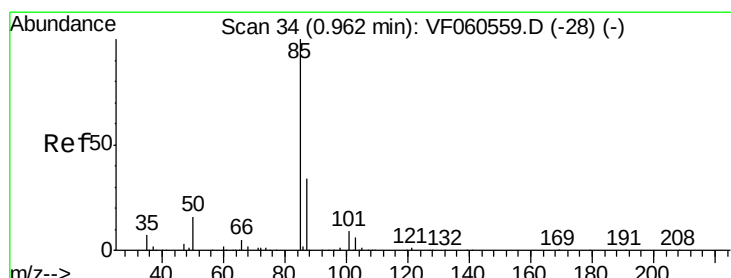
Abundance Ion 168.00 (167.70 to 168.70): VF060612.D (-410) (-)

Ion 99.00 (98.70 to 99.70): VF060612.D (-410) (-)

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: 33.170 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF060612.D

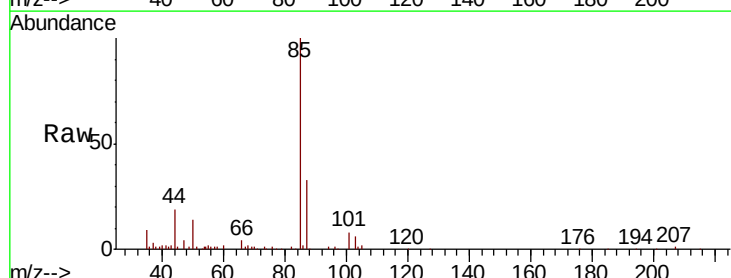
Acq: 6 Nov 2018 14:33

Tgt Ion: 85 Resp: 92454

Ion Ratio Lower Upper

85 100

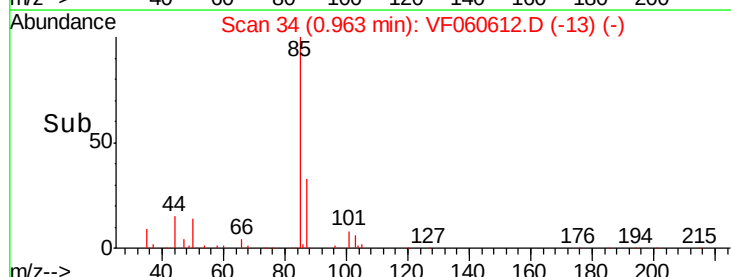
87 33.1 16.9 50.7



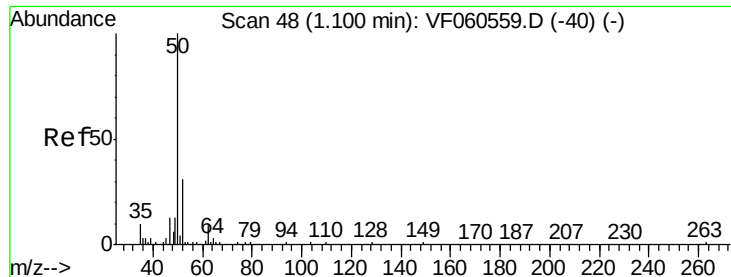
Abundance Ion 85.00 (84.70 to 85.70): VF060612.D (-13) (-)

Ion 87.00 (86.70 to 87.70): VF060612.D (-13) (-)

Time-->



Time-->



#3

Chloromethane

Concen: 29.679 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

VF1106SBS01

Tot Ion: 50 Resp: 66583

Ion Ratio Lower Upper

50 100

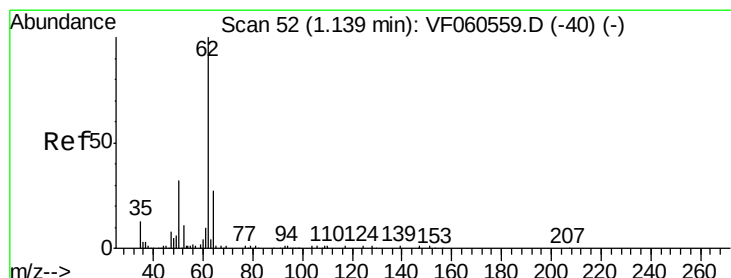
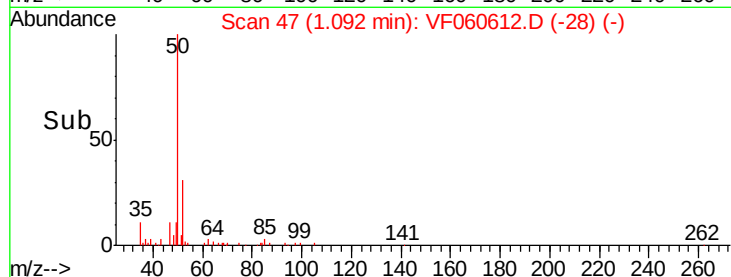
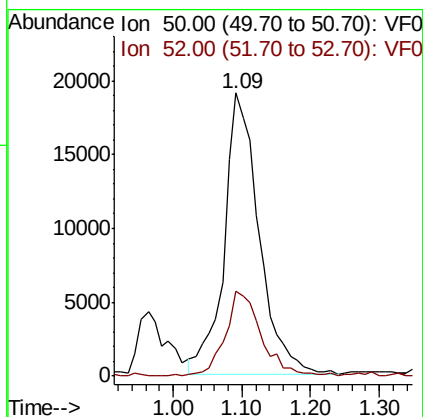
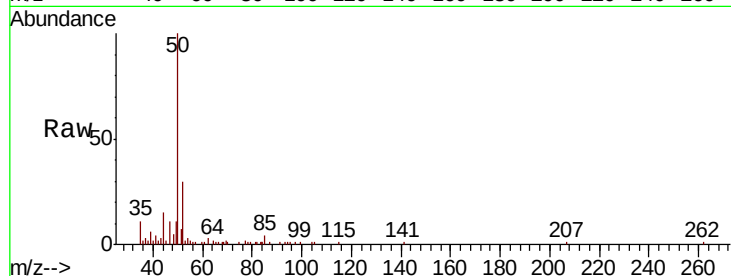
52 30.2 24.0 36.0

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#4

Vinyl Chloride

Concen: 28.443 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.01 min

Lab File: VF060612.D

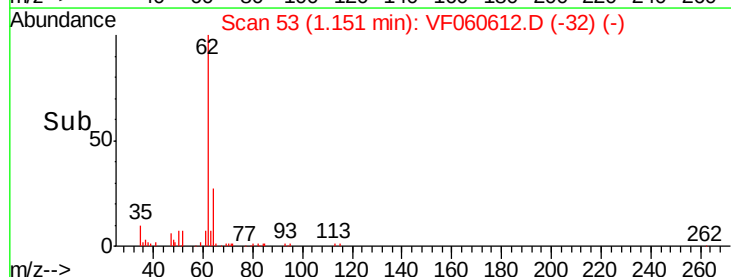
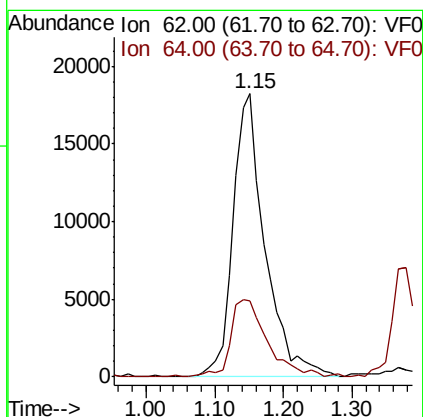
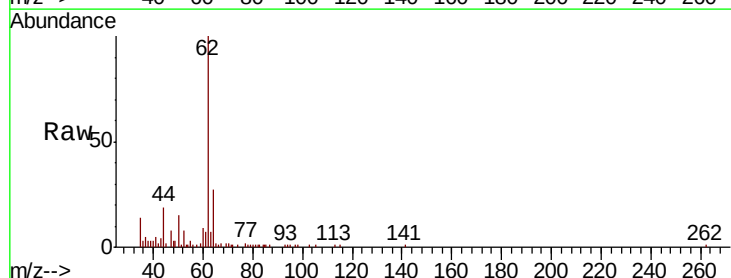
Acq: 6 Nov 2018 14:33

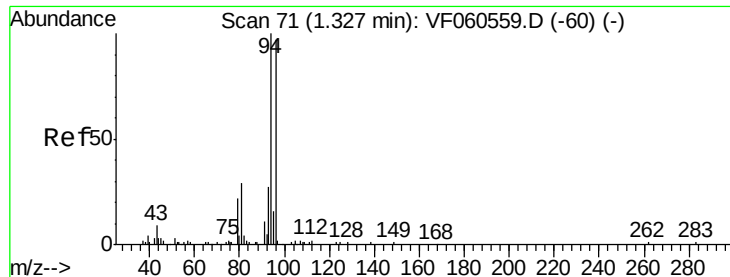
Tgt Ion: 62 Resp: 58799

Ion Ratio Lower Upper

62 100

64 26.8 21.8 32.6





#5

Bromomethane

Concen: 25.104 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

VF1106SBS01

Tot Ion: 94 Resp: 29130

Ion Ratio Lower Upper

94 100

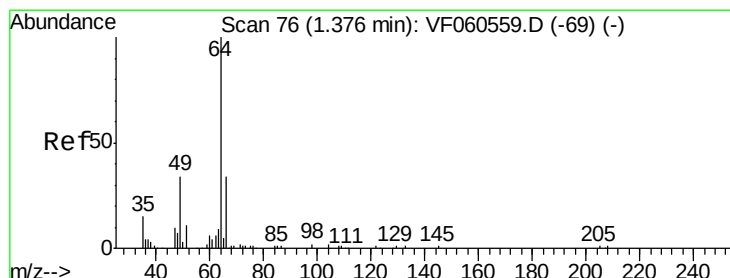
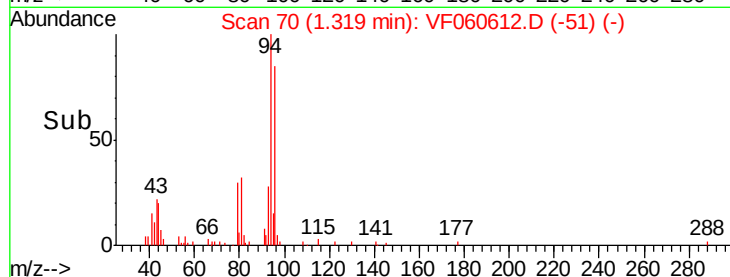
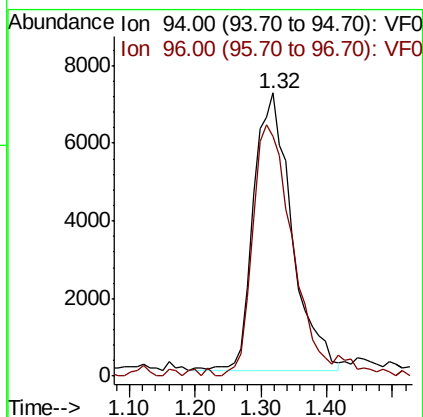
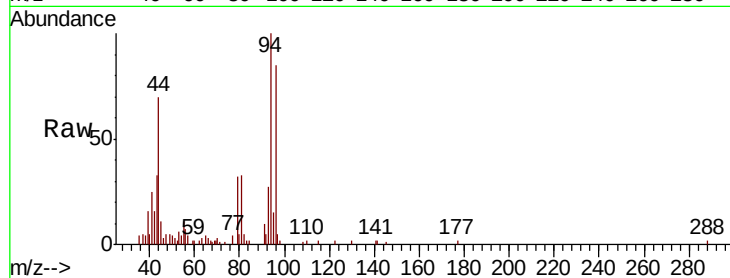
96 84.5 77.9 116.9

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#6

Chloroethane

Concen: 23.313 ug/l

RT: 1.38 min Scan# 76

Delta R.T. 0.00 min

Lab File: VF060612.D

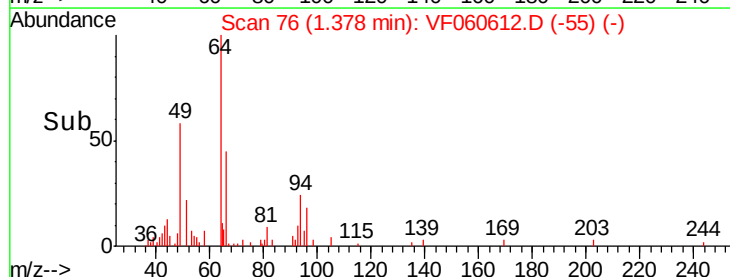
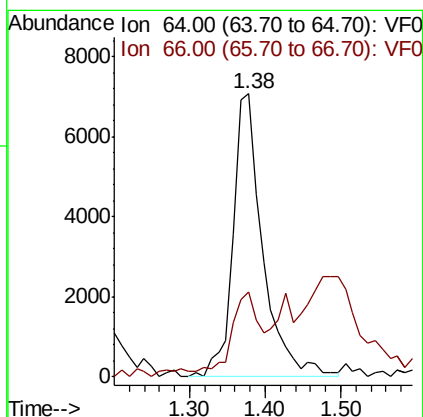
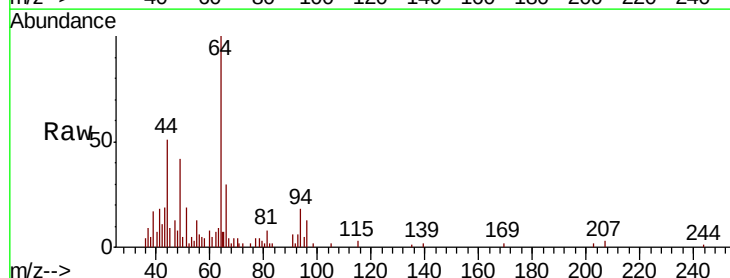
Acq: 6 Nov 2018 14:33

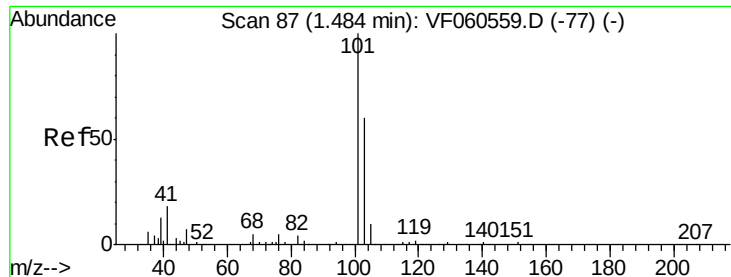
Tgt Ion: 64 Resp: 19113

Ion Ratio Lower Upper

64 100

66 30.1 27.8 41.8





#7

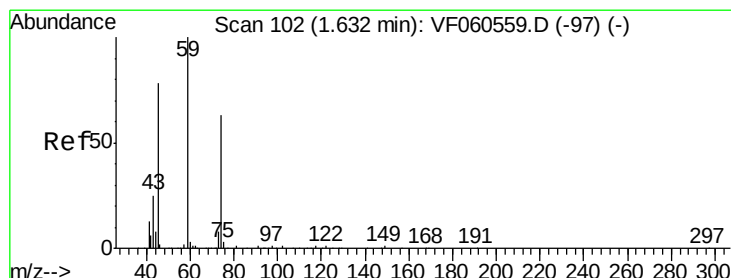
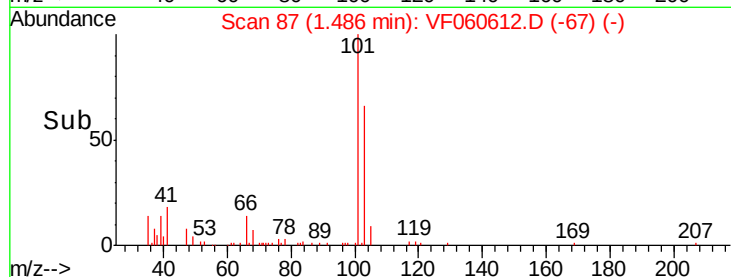
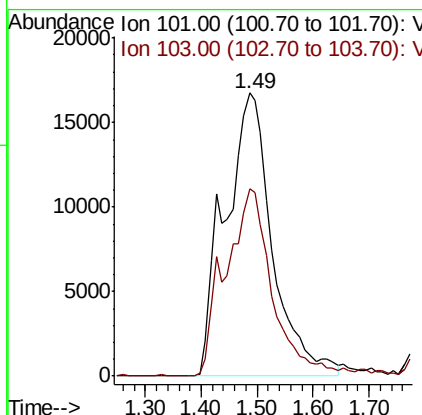
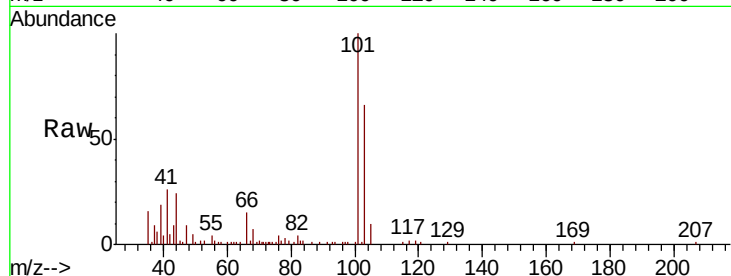
Trichlorofluoromethane
Concen: 25.529 ug/l
RT: 1.49 min Scan# 87
Delta R.T. 0.00 min
Lab File: VF060612.D
Acq: 6 Nov 2018 14:33

Instrument :
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ClientSampleId :
VF1106SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	48.0	72.0

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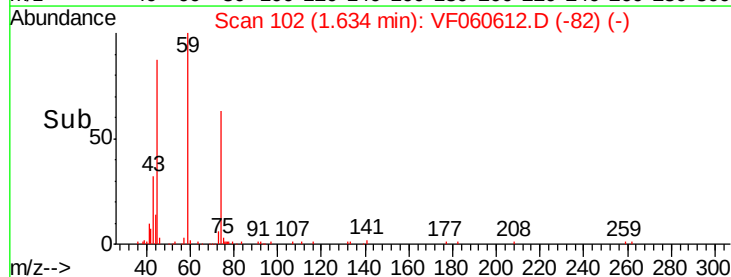
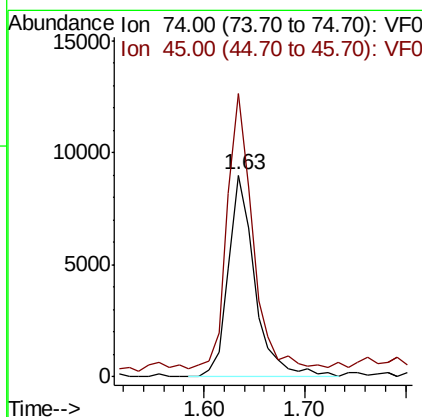
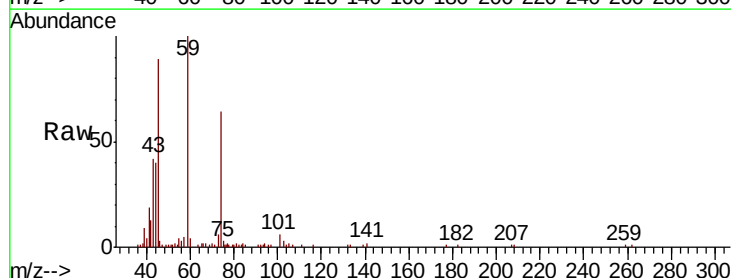
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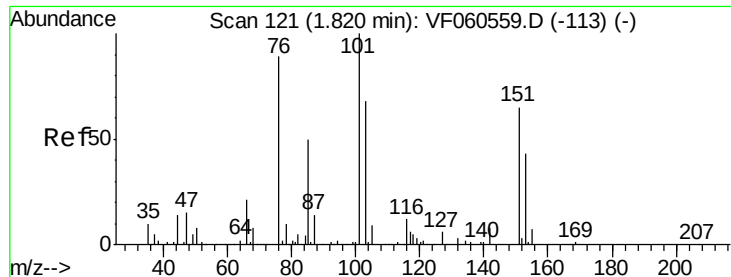


#8

Diethyl Ether
Concen: 22.981 ug/l
RT: 1.63 min Scan# 102
Delta R.T. 0.00 min
Lab File: VF060612.D
Acq: 6 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	140.3	63.8	191.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 25.161 ug/l

RT: 1.82 min Scan# 121

Delta R.T. 0.00 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

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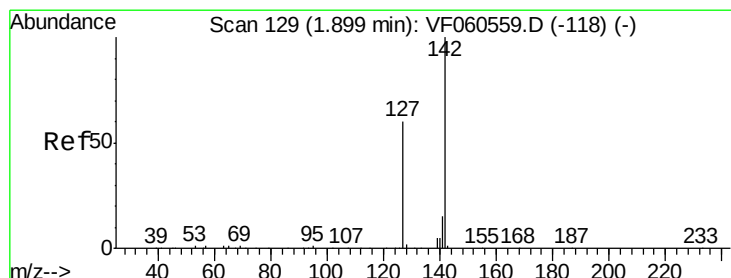
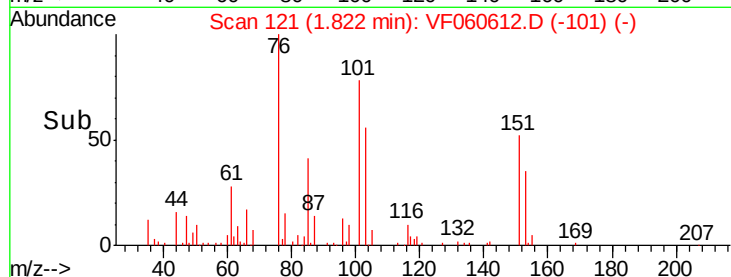
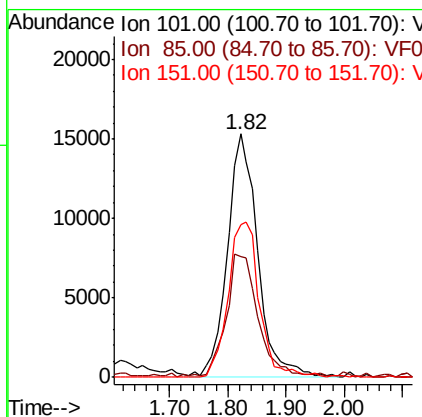
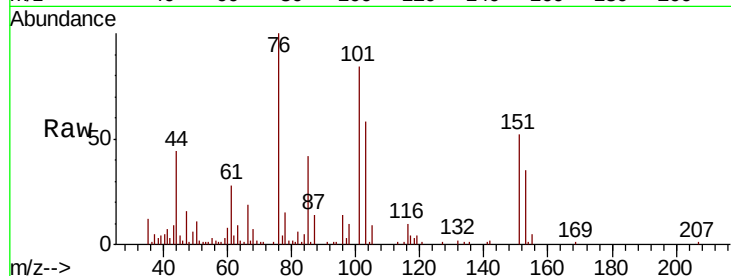
ClientSampleId :

VF1106SBS01

Tot Ion:	101	Resp:	55632
Ion Ratio	Lower	Upper	
101	100		
85	49.7	39.8	59.6
151	62.5	50.8	76.2

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#10

Methyl Iodide

Concen: 23.949 ug/l

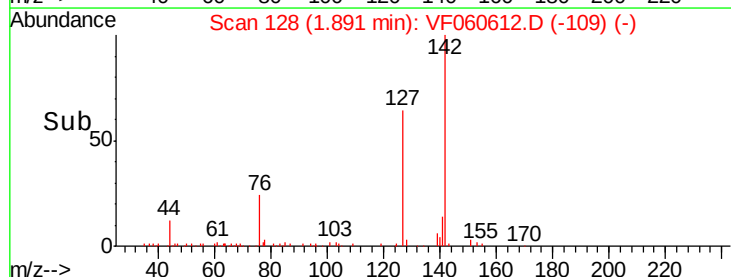
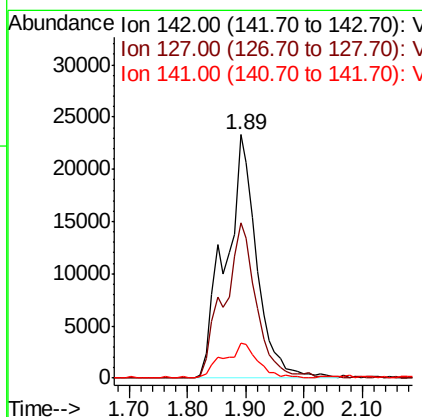
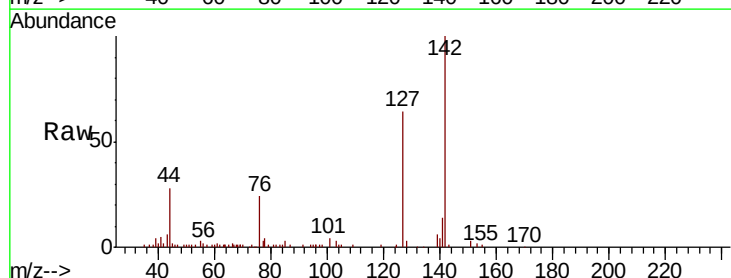
RT: 1.89 min Scan# 128

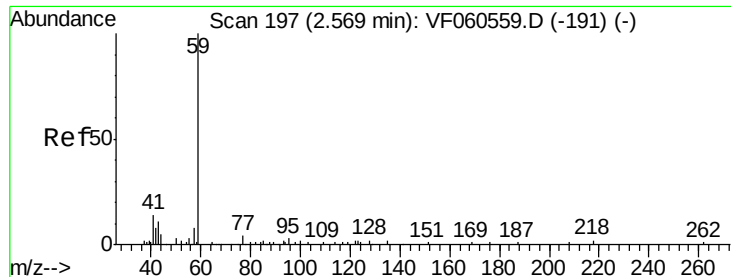
Delta R.T. -0.01 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

Tgt Ion:	142	Resp:	87137
Ion Ratio	Lower	Upper	
142	100		
127	63.5	47.8	71.6
141	14.5	12.7	19.1





#11

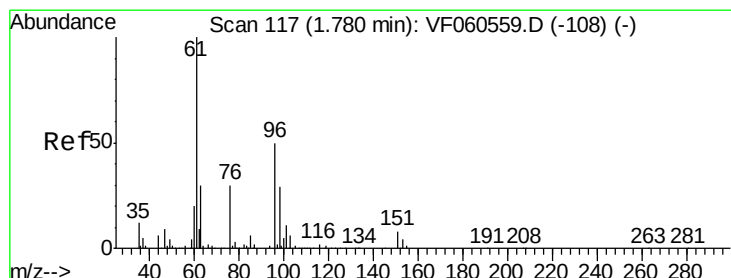
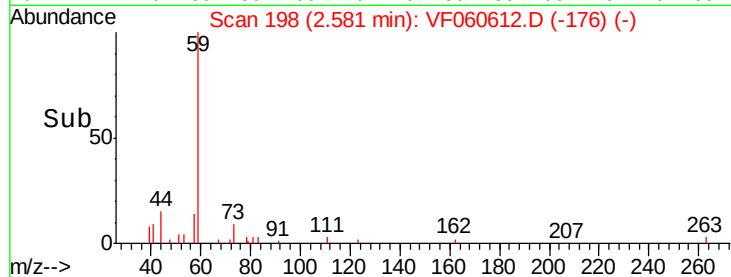
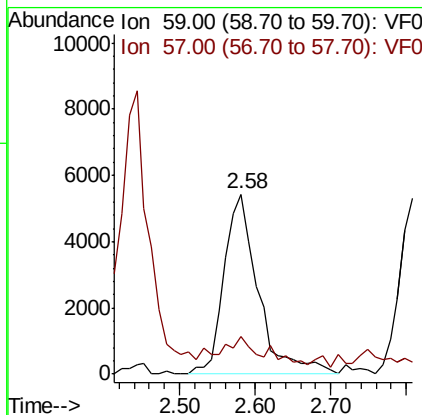
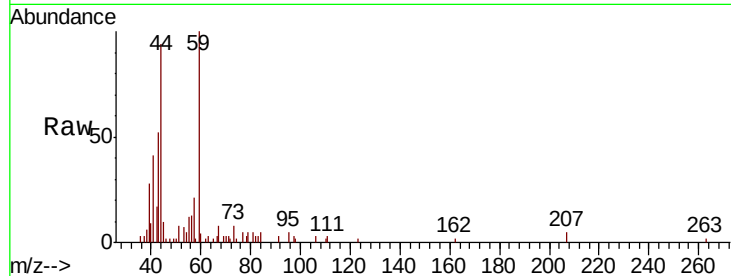
Tert butyl alcohol
Concen: 122.172 ug/l
RT: 2.58 min Scan# 198
Delta R.T. 0.01 min
Lab File: VF060612.D
Acq: 6 Nov 2018 14:33

Instrument :
MSVOA_F
ClientSampleId :
VF1106SBS01

Tot Ion: 59 Resp: 17041
Ion Ratio Lower Upper
59 100
57 20.7 19.0 28.4

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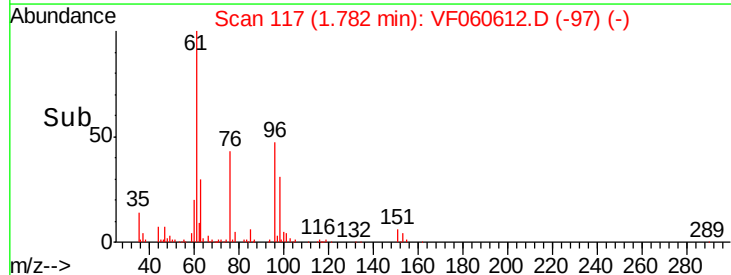
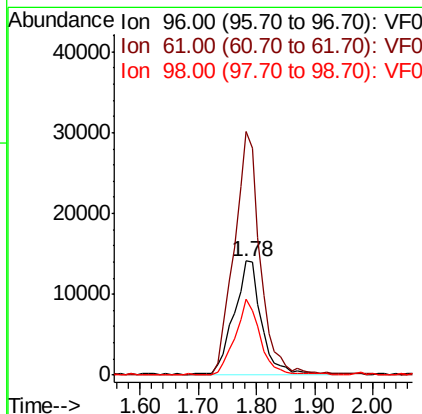
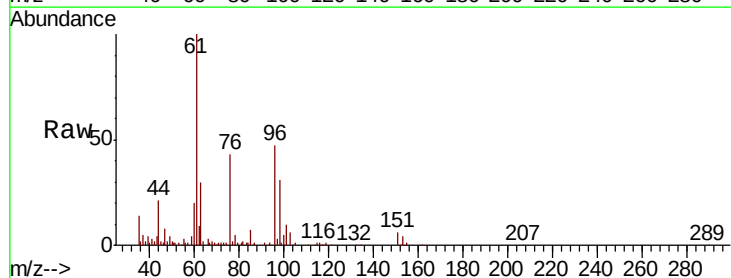
apatel
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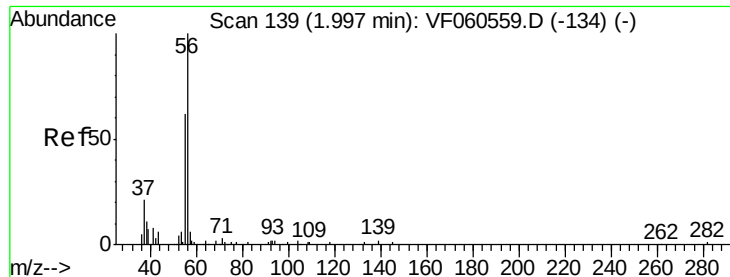


#12

1,1-Dichloroethene
Concen: 24.506 ug/l
RT: 1.78 min Scan# 117
Delta R.T. 0.00 min
Lab File: VF060612.D
Acq: 6 Nov 2018 14:33

Tgt Ion: 96 Resp: 45635
Ion Ratio Lower Upper
96 100
61 213.1 158.1 237.1
98 67.0 47.0 70.6





#13

Acrolein

Concen: 131.070 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.01 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

VF1106SBS01

Tot Ion: 56 Resp: 12496

Ion Ratio Lower Upper

56 100

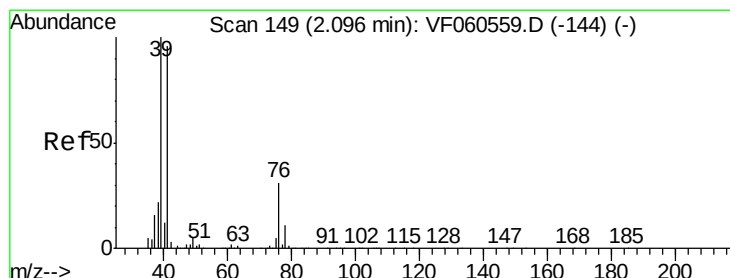
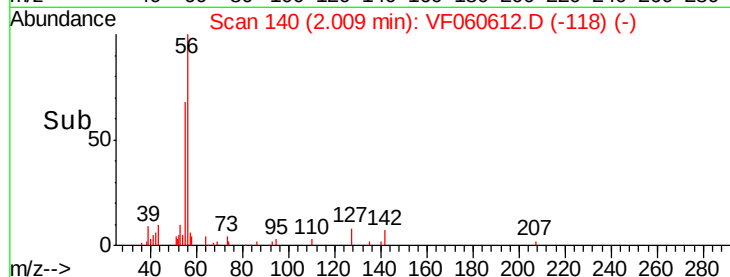
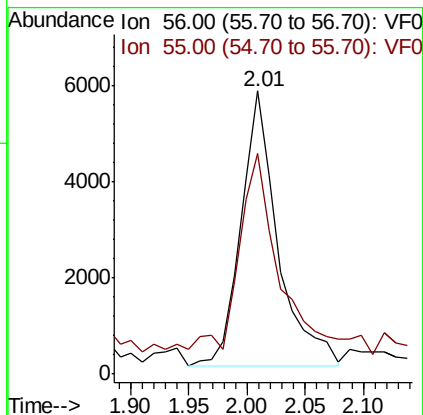
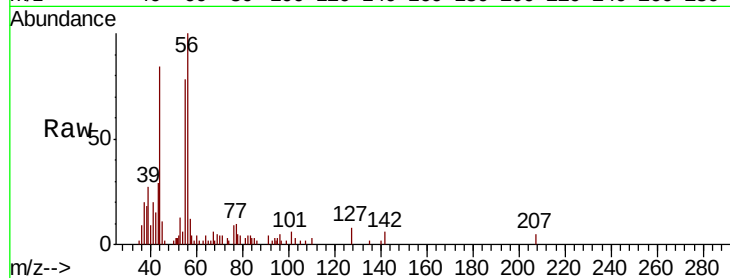
55 77.7 61.8 92.6

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#14

Allyl chloride

Concen: 26.177 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.00 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

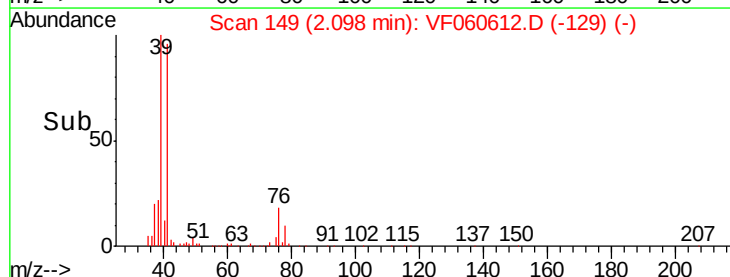
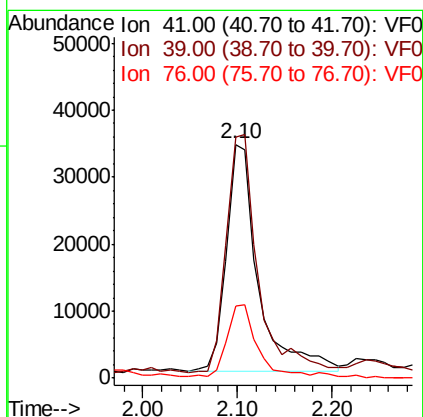
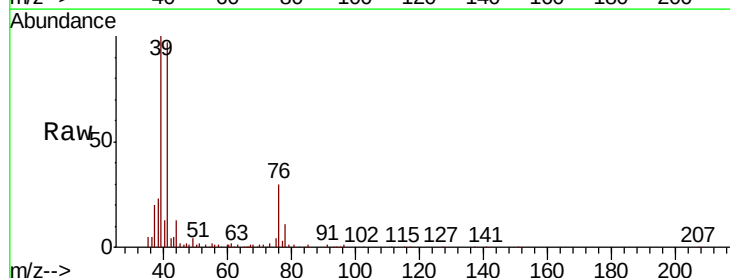
Tgt Ion: 41 Resp: 79597

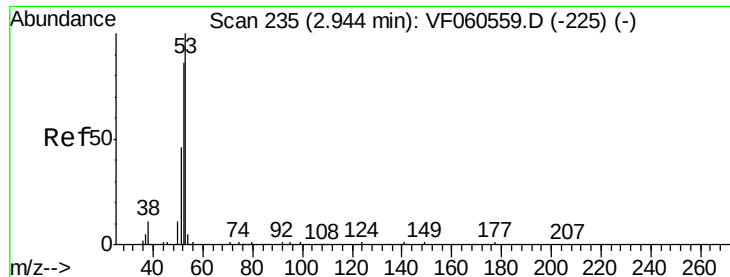
Ion Ratio Lower Upper

41 100

39 103.5 82.6 124.0

76 31.0 26.7 40.1





#15

Acrylonitrile

Concen: 117.075 ug/l

RT: 2.96 min Scan# 236

Delta R.T. 0.01 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

Instrument :

MSVOA_F

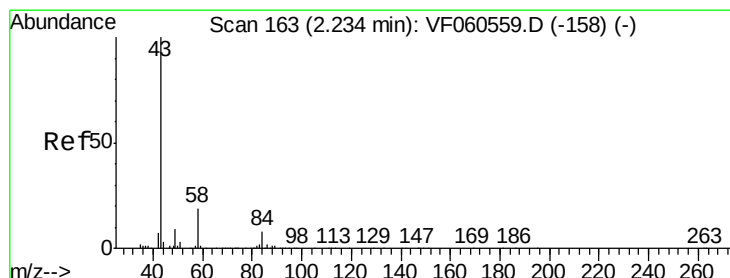
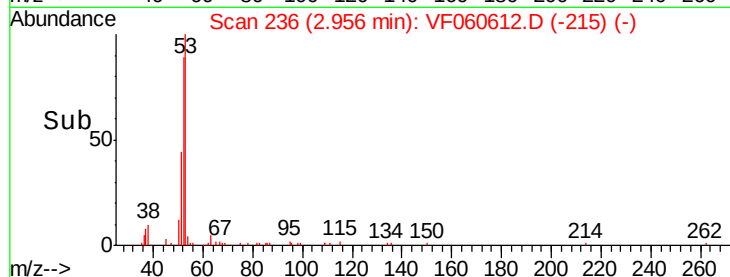
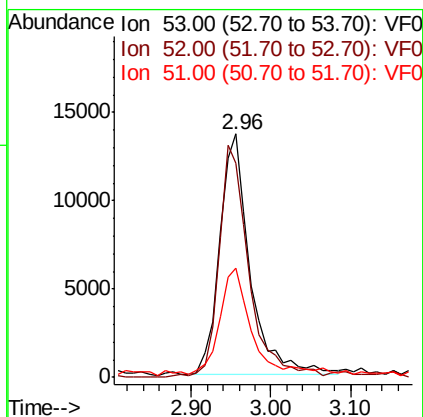
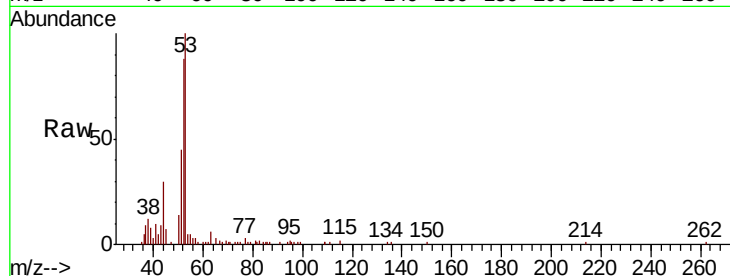
ClientSampleId :

VF1106SBS01

Tot Ion:	53	Resp:	36137
Ion	Ratio	Lower	Upper
53	100		
52	87.9	68.5	102.7
51	44.6	38.2	57.2

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#16

Acetone

Concen: 155.407 ug/l

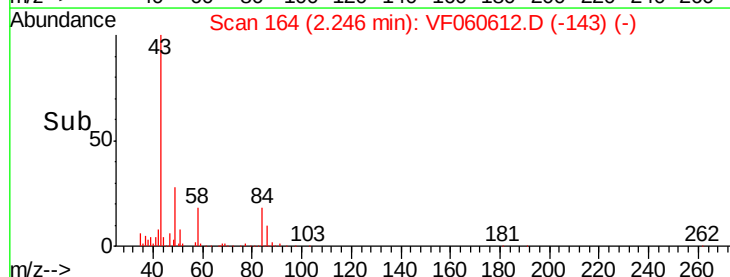
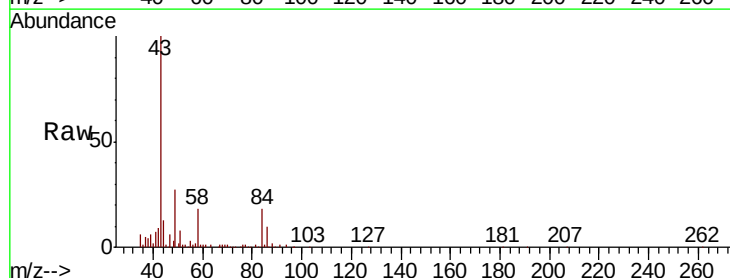
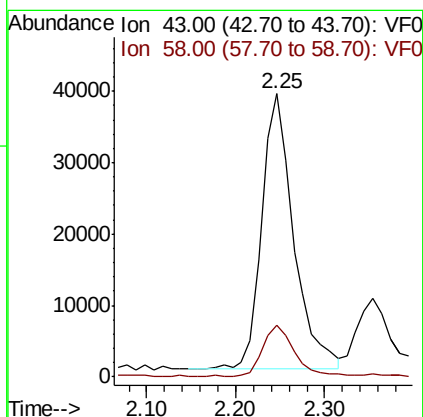
RT: 2.25 min Scan# 164

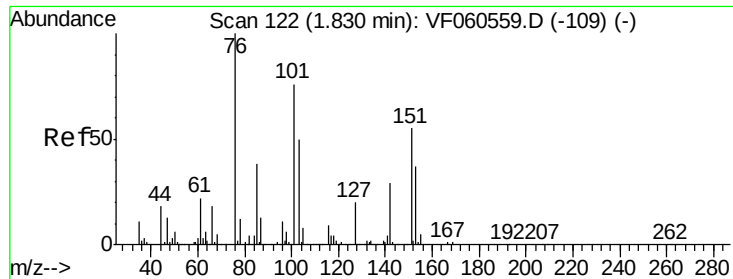
Delta R.T. 0.01 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

Tgt Ion:	43	Resp:	94843
Ion	Ratio	Lower	Upper
43	100		
58	18.1	14.6	22.0





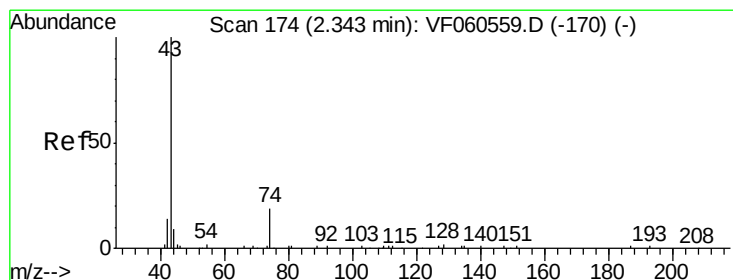
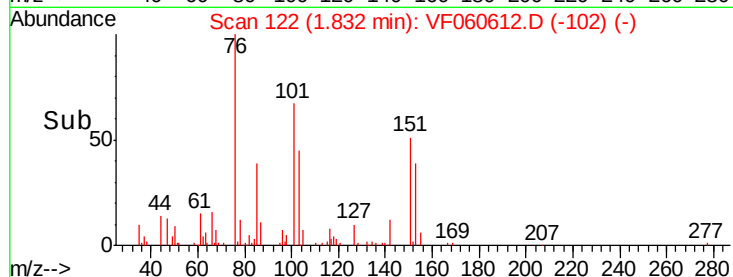
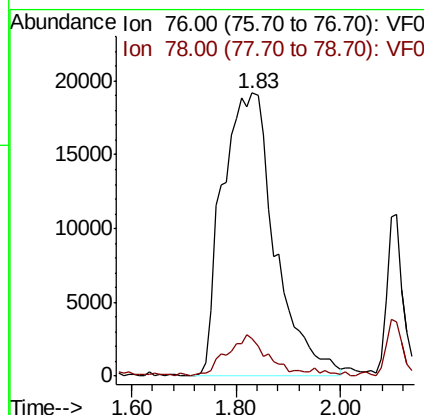
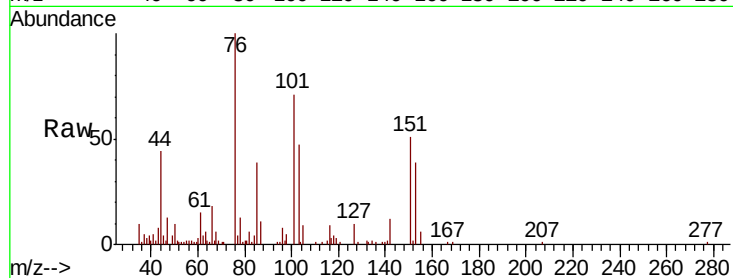
#17
Carbon Disulfide
Concen: 25.226 ug/l
RT: 1.83 min Scan# 122
Delta R.T. 0.00 min
Lab File: VF060612.D
Acq: 6 Nov 2018 14:33

Instrument :
MSVOA_F
ClientSampleId :
VF1106SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	13.1	9.9	14.9

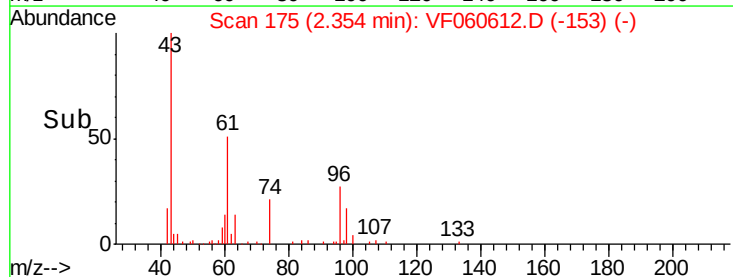
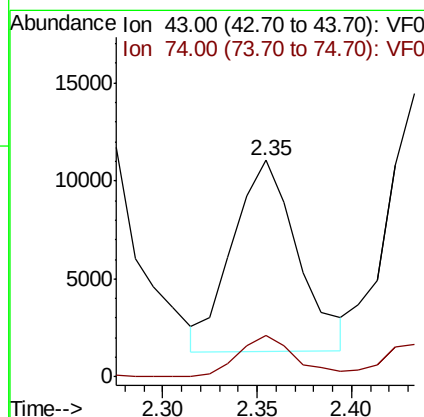
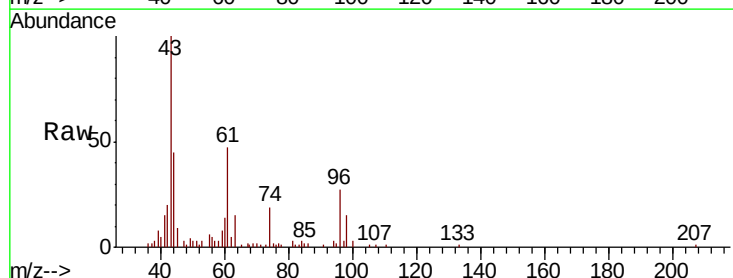
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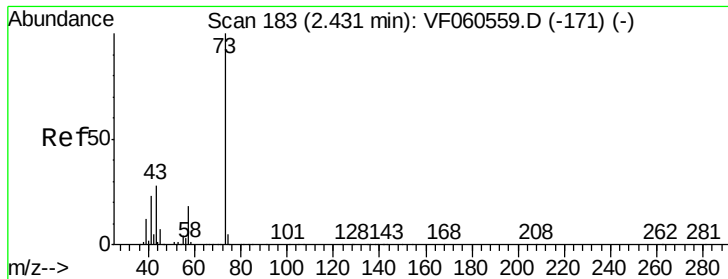
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#18
Methyl Acetate
Concen: 25.030 ug/l
RT: 2.35 min Scan# 175
Delta R.T. 0.01 min
Lab File: VF060612.D
Acq: 6 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.1	12.1	18.1#





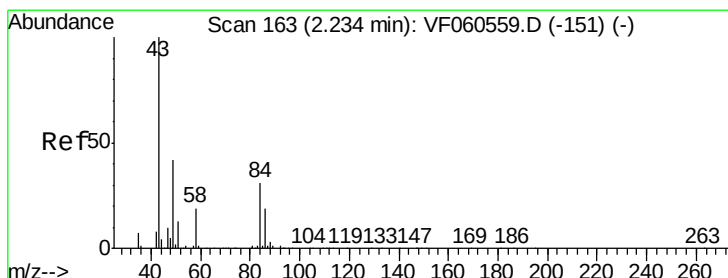
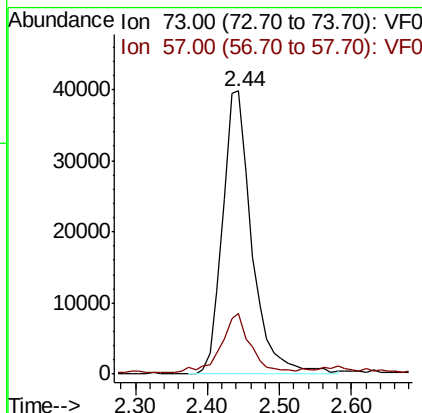
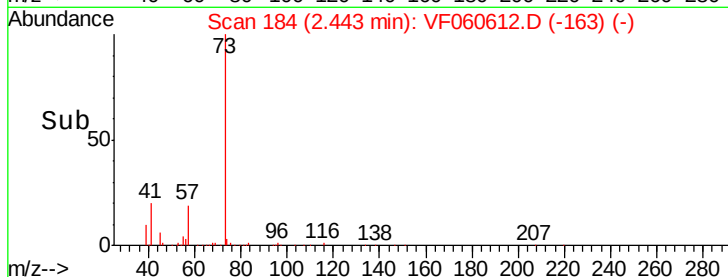
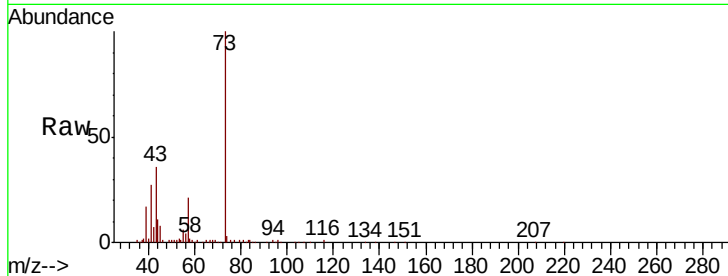
#19
Methyl tert-butyl Ether
Concen: 25.777 ug/l
RT: 2.44 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF060612.D
Acq: 6 Nov 2018 14:33

Instrument :
MSVOA_F
ClientSampleId :
VF1106SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	15.4	23.0

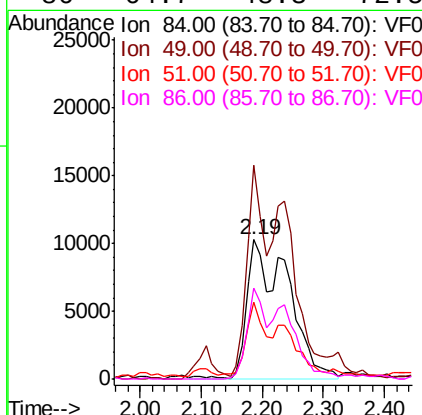
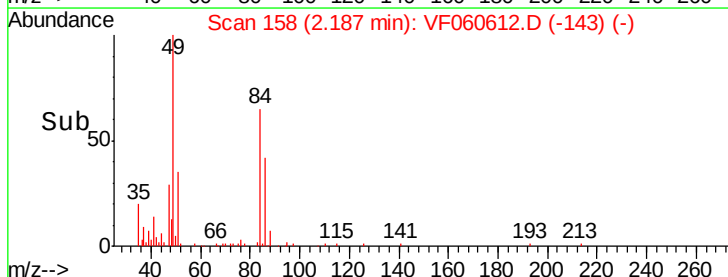
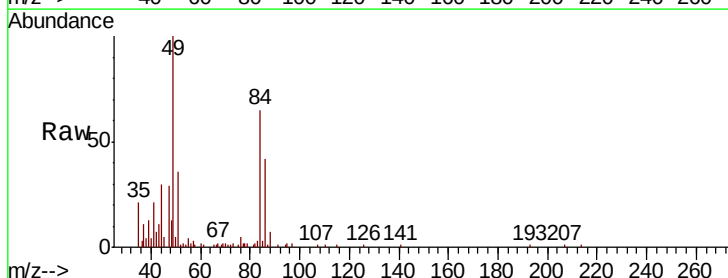
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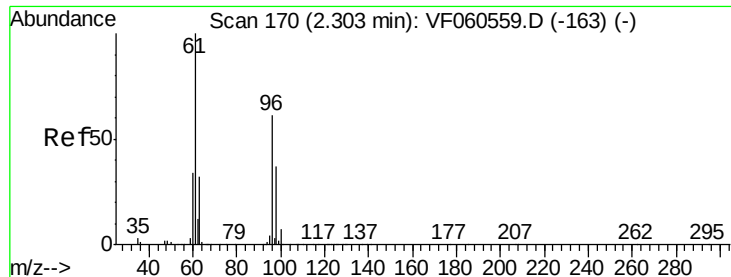
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#20
Methylene Chloride
Concen: 23.814 ug/l m
RT: 2.19 min Scan# 158
Delta R.T. -0.05 min
Lab File: VF060612.D
Acq: 6 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	153.1	109.9	164.9
51	54.9	35.8	53.8#
86	64.7	48.3	72.5





#21

trans-1,2-Dichloroethene

Concen: 25.627 ug/l

RT: 2.31 min Scan# 171

Delta R.T. 0.01 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

Instrument :

MSVOA_F

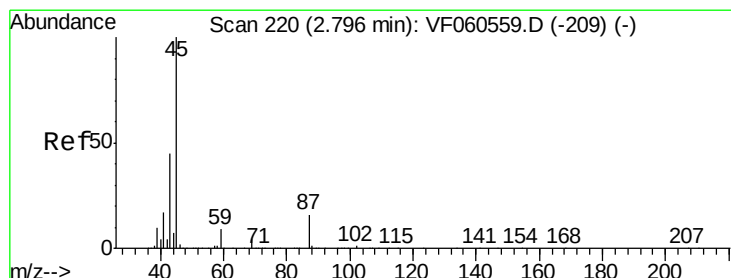
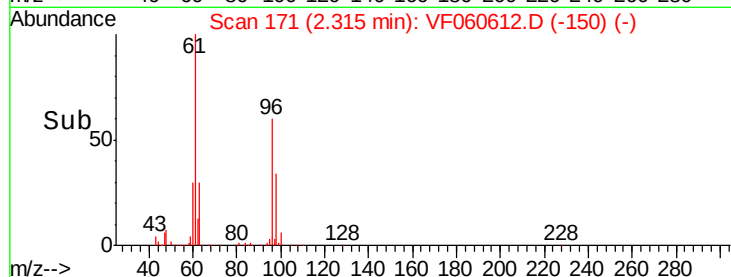
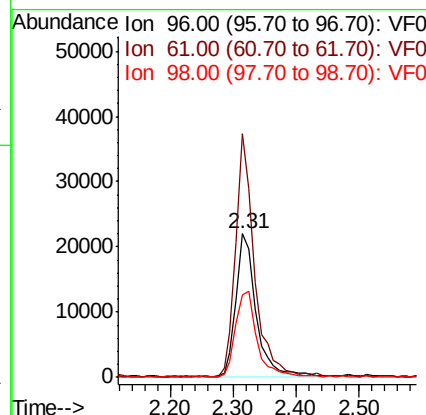
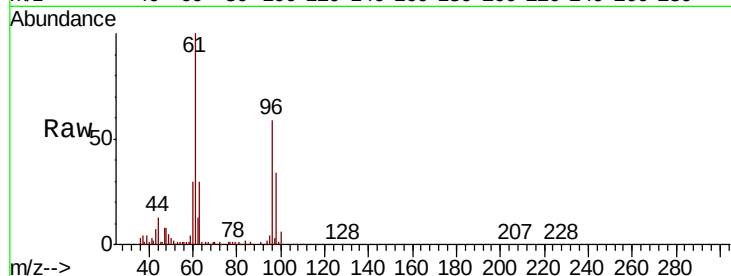
ClientSampleId :

VF1106SBS01

Tot Ion:	96	Resp:	50066
Ion	Ratio	Lower	Upper
96	100		
61	169.6	131.3	196.9
98	57.6	48.6	73.0

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#22

Diisopropyl ether

Concen: 24.759 ug/l

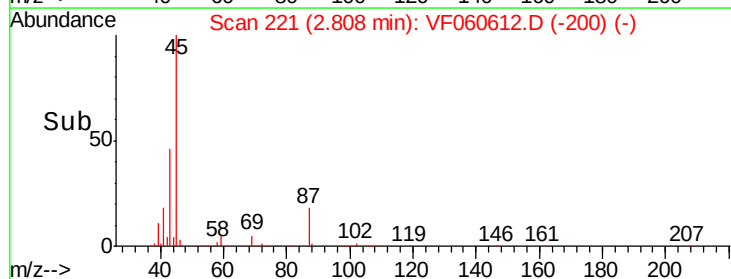
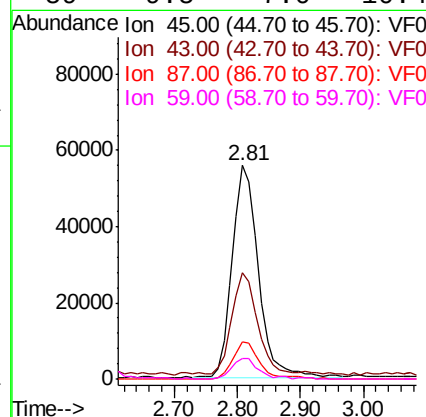
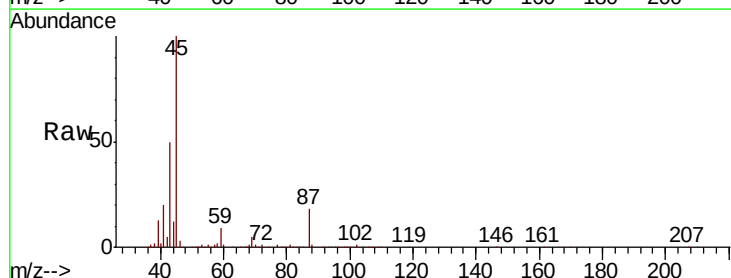
RT: 2.81 min Scan# 221

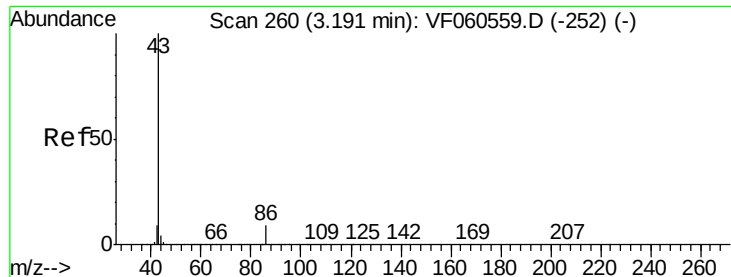
Delta R.T. 0.01 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

Tgt Ion:	45	Resp:	159505
Ion	Ratio	Lower	Upper
45	100		
43	49.5	38.1	57.1
87	17.6	12.7	19.1
59	9.5	7.0	10.4





#23

Vinyl Acetate

Concen: 115.683 ug/l

RT: 3.20 min Scan# 261

Delta R.T. 0.01 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

VF1106SBS01

Tot Ion: 43 Resp: 447781

Ion Ratio Lower Upper

43 100

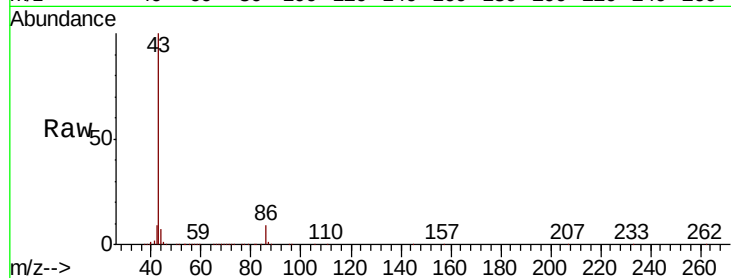
86 8.9 7.1 10.7

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.20

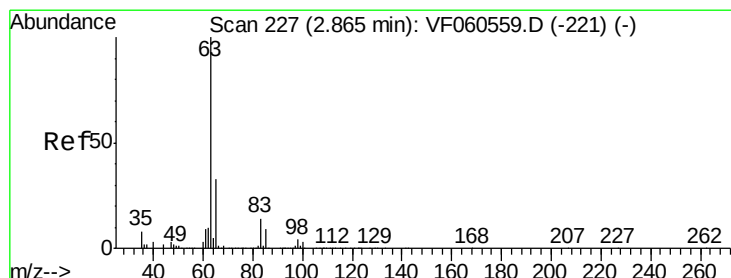
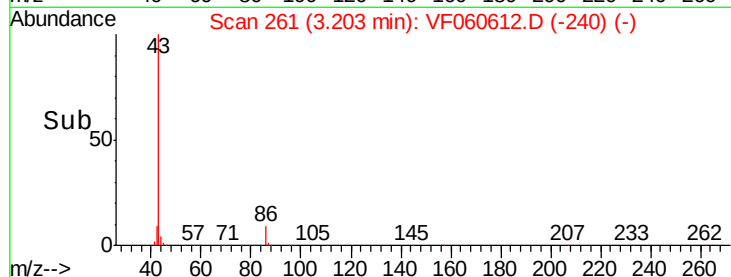
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 24.347 ug/l

RT: 2.88 min Scan# 228

Delta R.T. 0.01 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

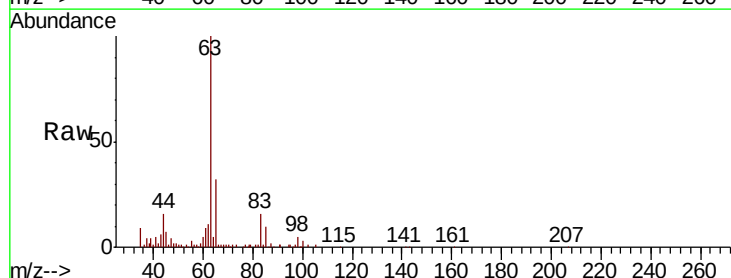
Tgt Ion: 63 Resp: 90774

Ion Ratio Lower Upper

63 100

98 5.1 2.2 6.6

100 3.4 1.4 4.0



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

2.88

40000

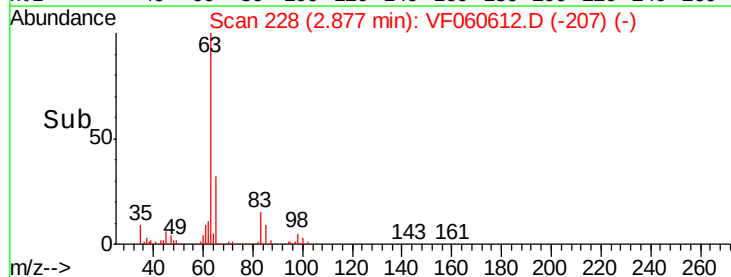
30000

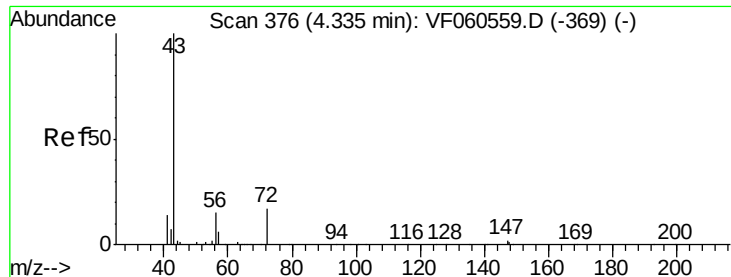
20000

10000

0

Time-->





#25

2-Butanone

Concen: 128.925 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.01 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

VF1106SBS01

Tot Ion: 43 Resp: 165808

Ion Ratio Lower Upper

43 100

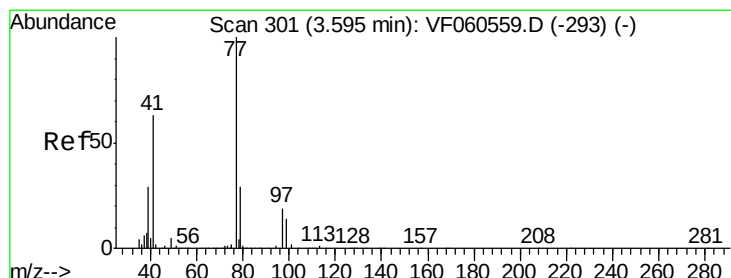
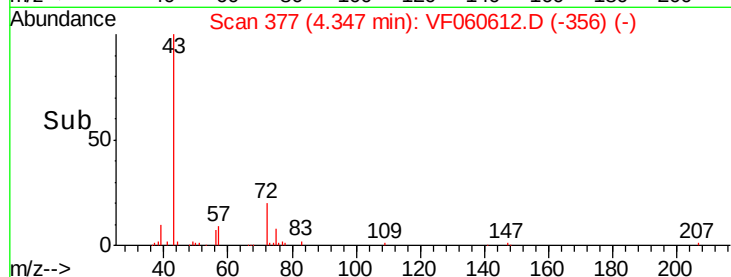
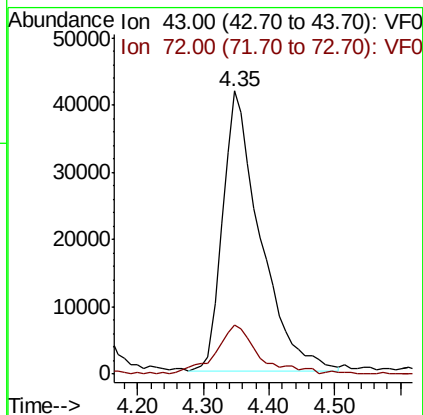
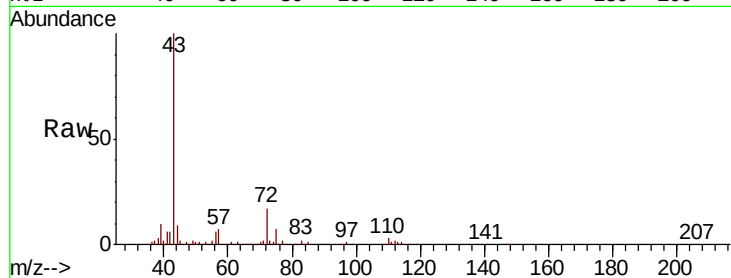
72 17.5 16.2 24.2

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#26

2,2-Dichloropropane

Concen: 24.310 ug/l

RT: 3.62 min Scan# 303

Delta R.T. 0.02 min

Lab File: VF060612.D

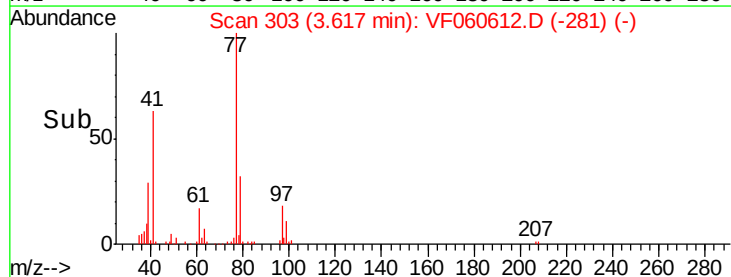
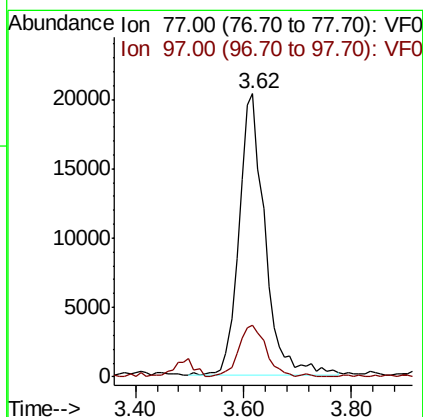
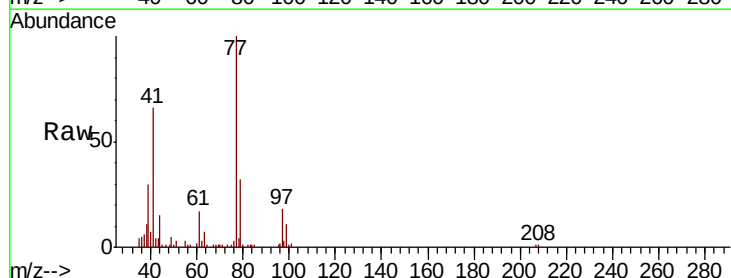
Acq: 6 Nov 2018 14:33

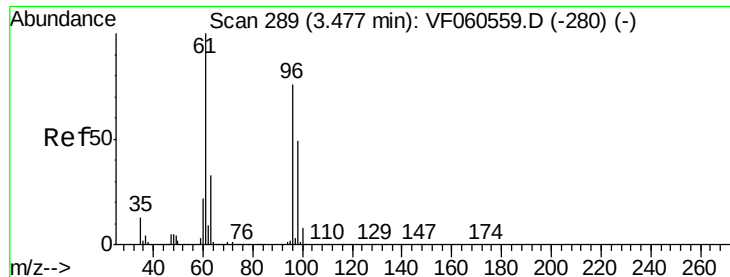
Tgt Ion: 77 Resp: 67819

Ion Ratio Lower Upper

77 100

97 18.2 9.8 29.3





#27

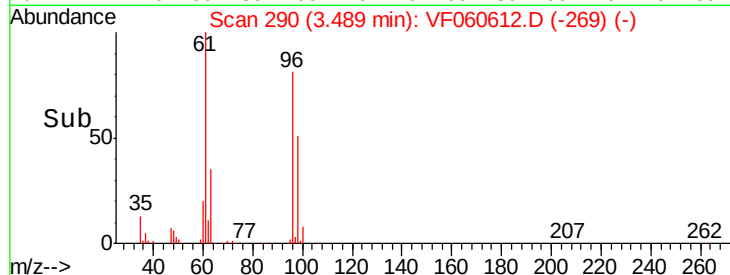
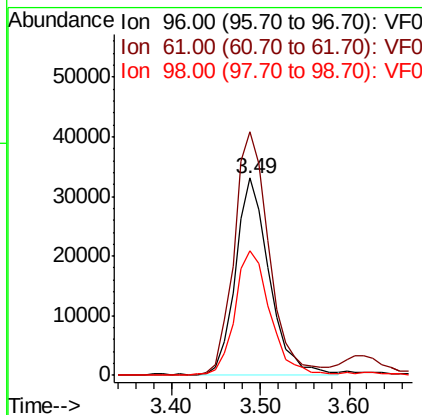
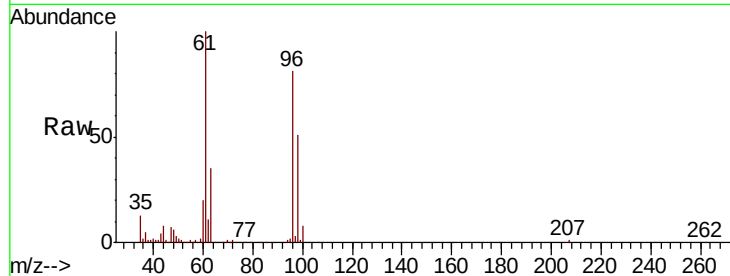
cis-1,2-Dichloroethene
 Concen: 23.155 ug/l
 RT: 3.49 min Scan# 290
 Delta R.T. 0.01 min
 Lab File: VF060612.D
 Acq: 6 Nov 2018 14:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1106SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.6	0.0	263.0
98	63.3	0.0	130.6

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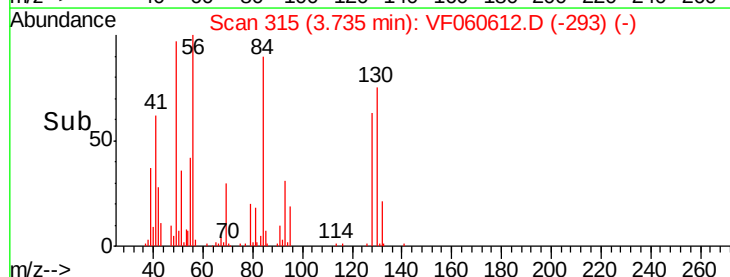
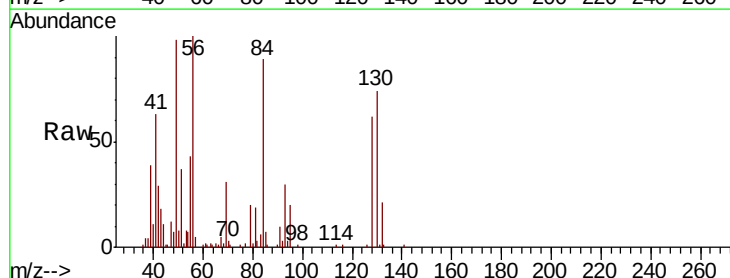
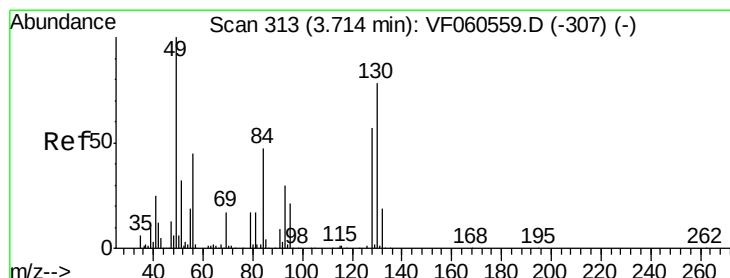
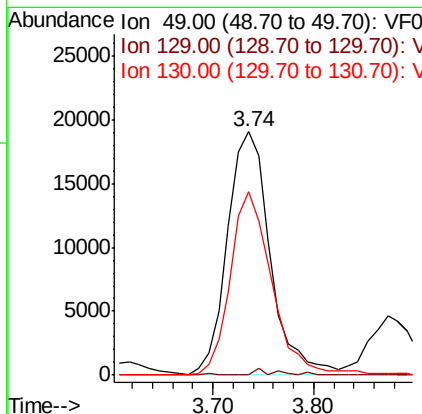
apatel
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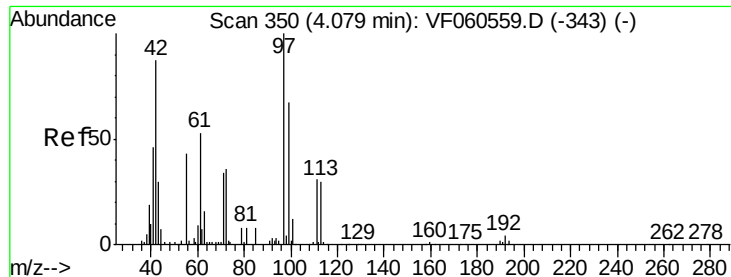


#28

Bromochloromethane
 Concen: 24.162 ug/l
 RT: 3.74 min Scan# 315
 Delta R.T. 0.02 min
 Lab File: VF060612.D
 Acq: 6 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	75.3	61.8	92.8





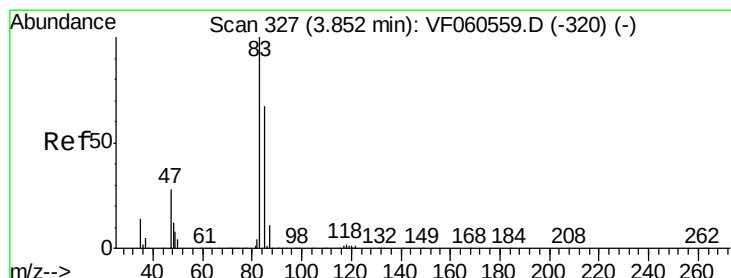
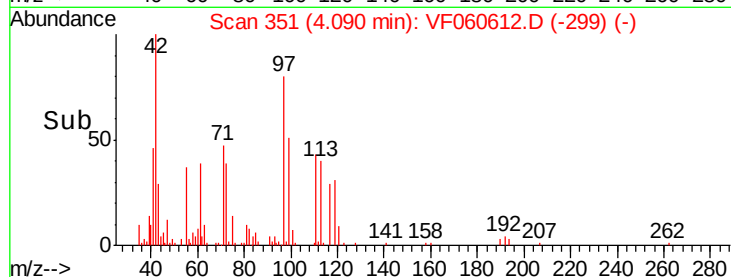
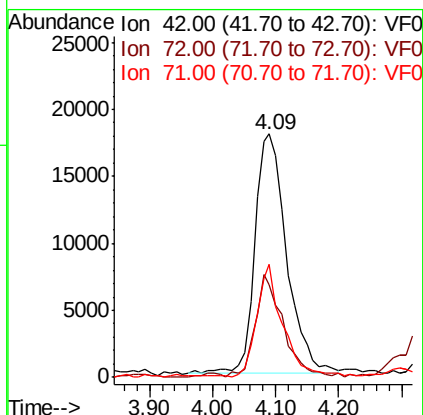
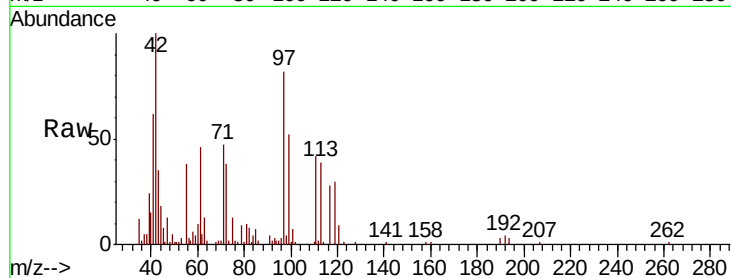
#29
Tetrahydrofuran
Concen: 133.467 ug/l
RT: 4.09 min Scan# 351
Delta R.T. 0.01 min
Lab File: VF060612.D
Acq: 6 Nov 2018 14:33

Instrument :
MSVOA_F
ClientSampleId :
VF1106SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.5	31.4	47.0
71	39.9	31.8	47.6

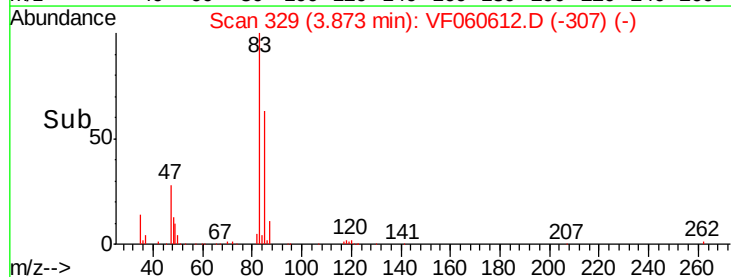
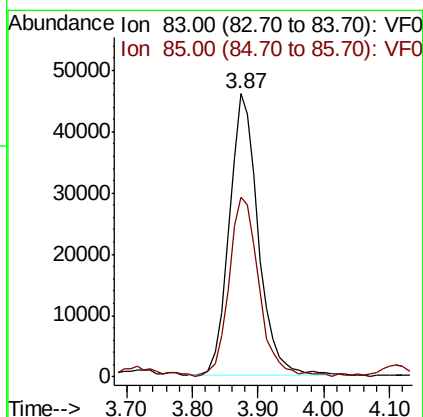
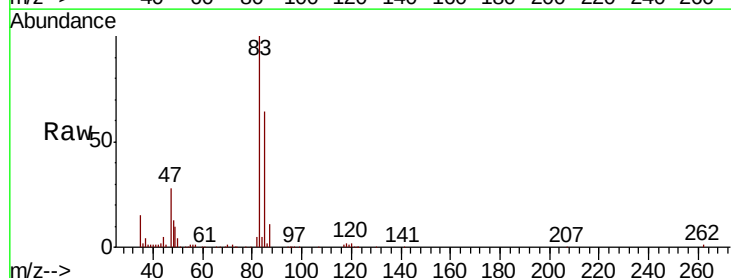
Manual Integrations
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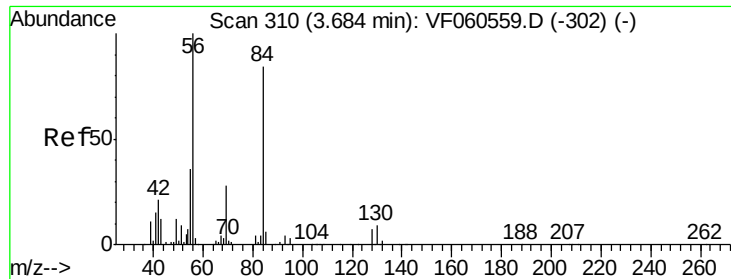
apatel
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#30
Chloroform
Concen: 23.948 ug/l
RT: 3.87 min Scan# 329
Delta R.T. 0.02 min
Lab File: VF060612.D
Acq: 6 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	53.7	80.5





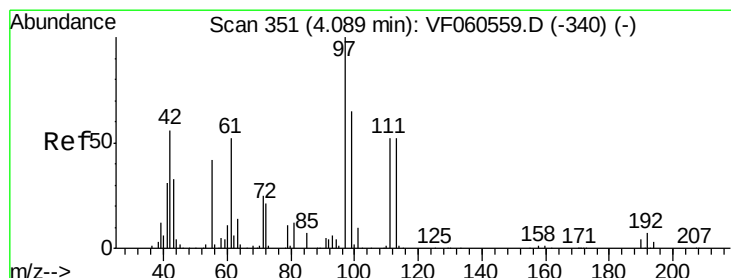
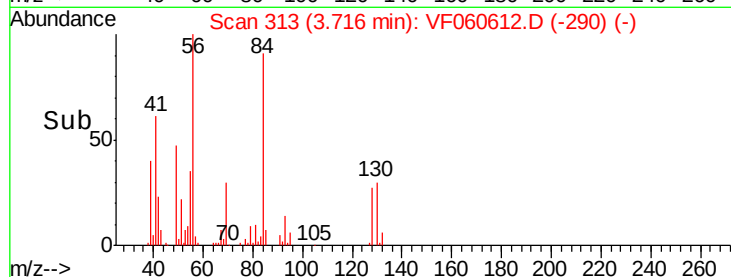
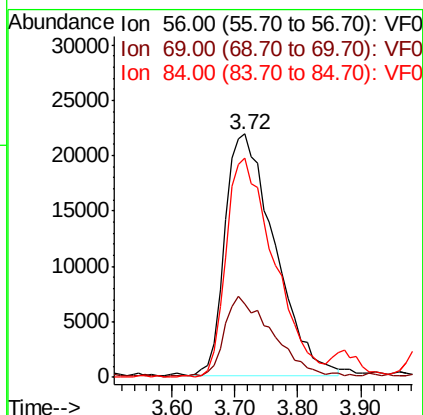
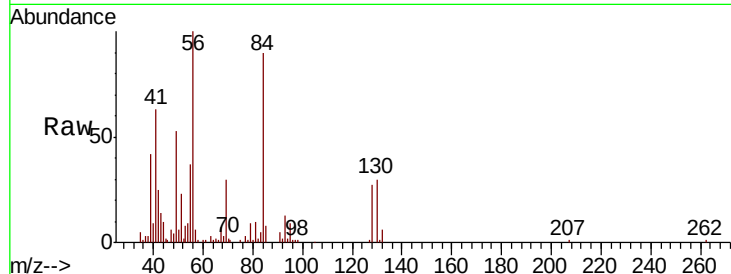
#31
Cyclohexane
Concen: 23.234 ug/l
RT: 3.72 min Scan# 313
Delta R.T. 0.03 min
Lab File: VF060612.D
Acq: 6 Nov 2018 14:33

Instrument :
MSVOA_F
ClientSampleId :
VF1106SBS01

Tot Ion	56	69	84
Resp	119540		
Ratio	100	30.0	90.2
Lower		23.0	67.1
Upper		34.4	100.7

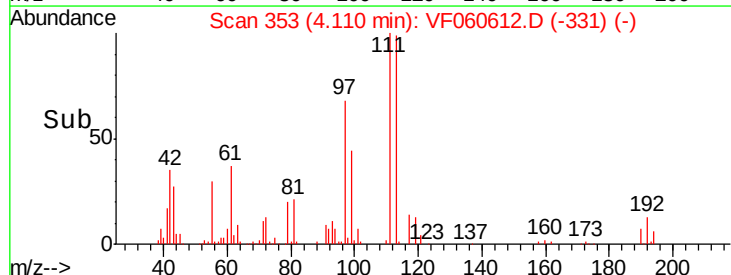
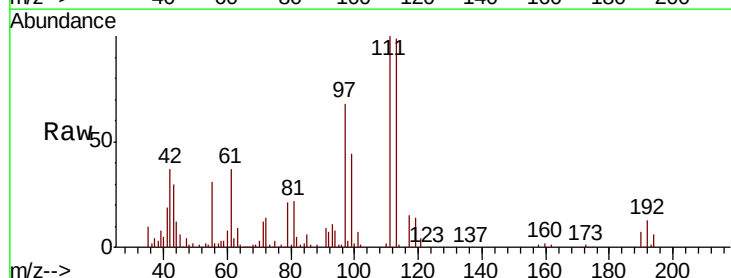
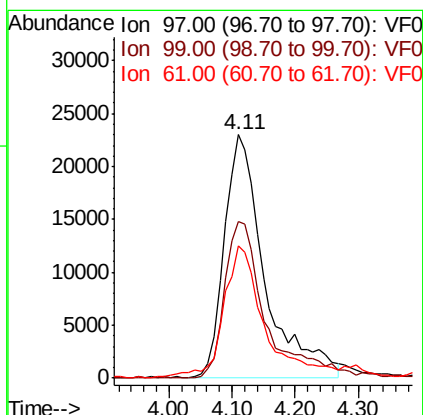
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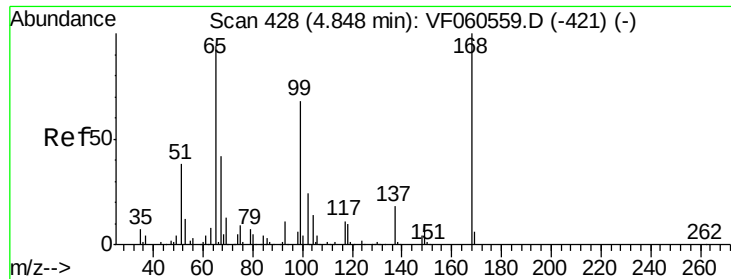
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#32
1,1,1-Trichloroethane
Concen: 25.056 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.02 min
Lab File: VF060612.D
Acq: 6 Nov 2018 14:33

Tgt Ion	97	99	61
Resp	103224		
Ratio	100	64.3	54.4
Lower		52.4	41.5
Upper		78.6	62.3





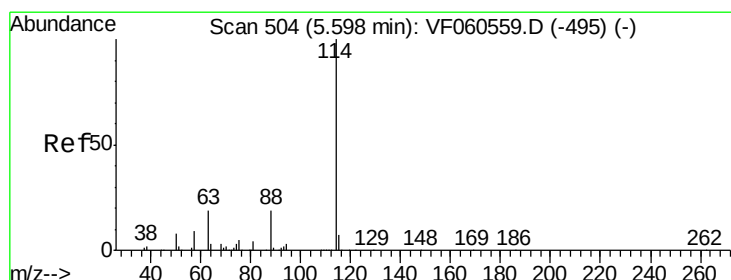
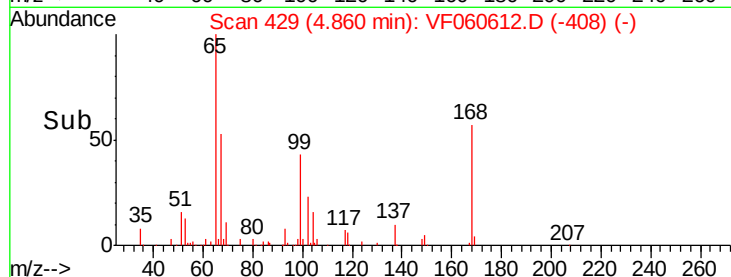
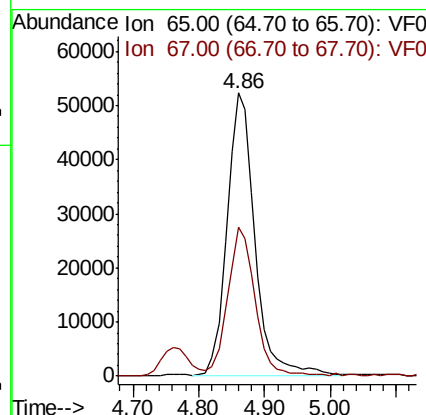
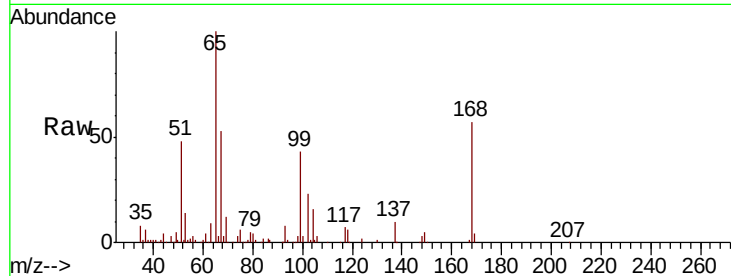
#33
 1,2-Dichloroethane-d4
 Concen: 59.105 ug/l
 RT: 4.86 min Scan# 429
 Delta R.T. 0.01 min
 Lab File: VF060612.D
 Acq: 6 Nov 2018 14:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1106SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	101.8

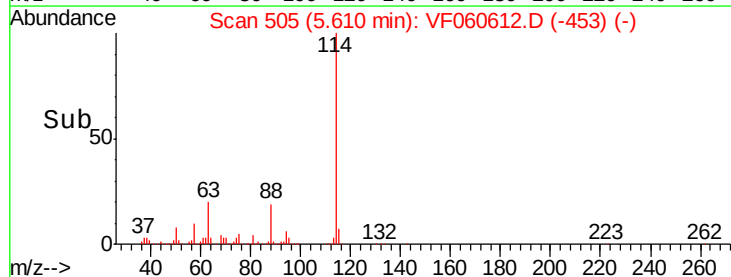
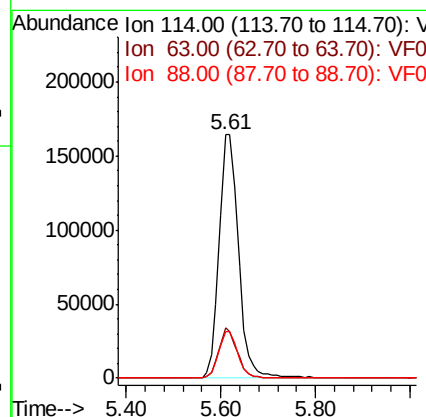
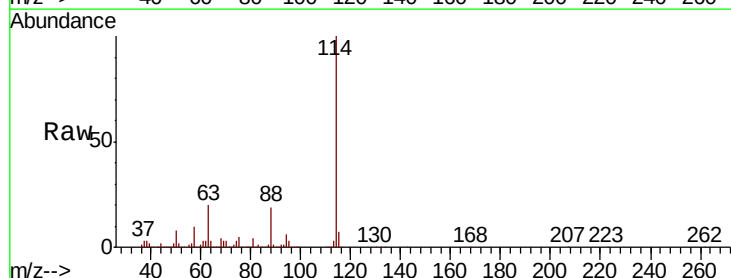
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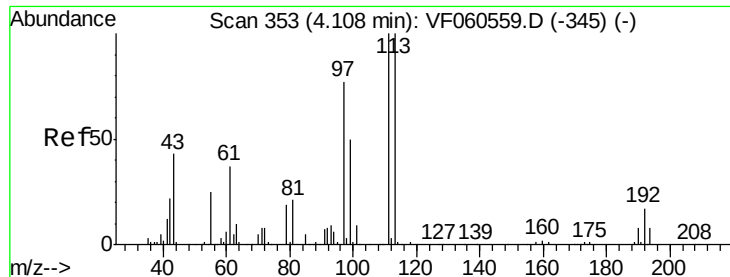
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. 0.01 min
 Lab File: VF060612.D
 Acq: 6 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	39.0
88	19.1	0.0	38.2





#35

Dibromofluoromethane

Concen: 50.015 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.02 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

Instrument :

MSVOA_F

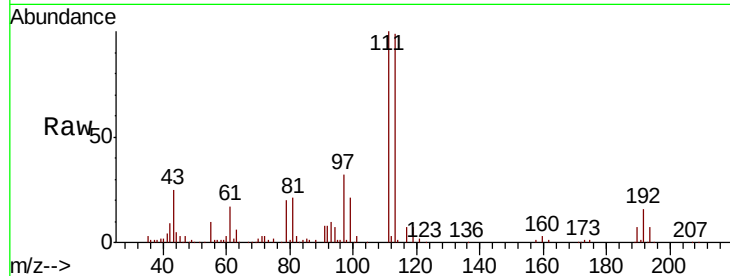
ClientSampleId :

VF1106SBS01

Tot Ion:	113	Resp:	181373
Ion Ratio	Lower	Upper	
113	100		
111	101.2	79.9	119.9
192	16.8	13.3	19.9

Manual Integrations
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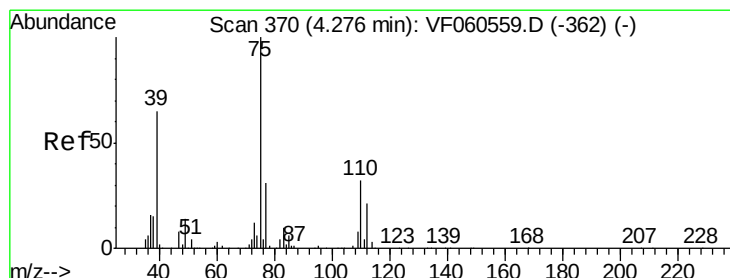
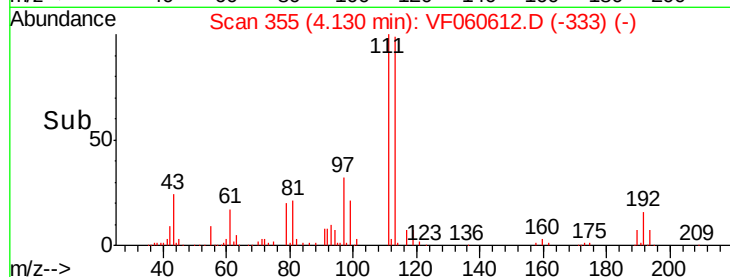
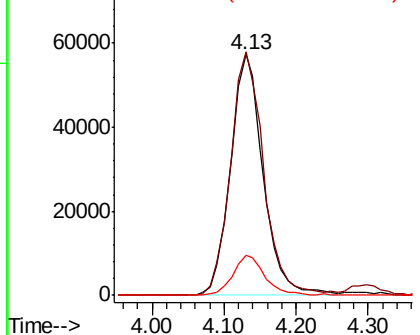


Abundance

Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 21.098 ug/l

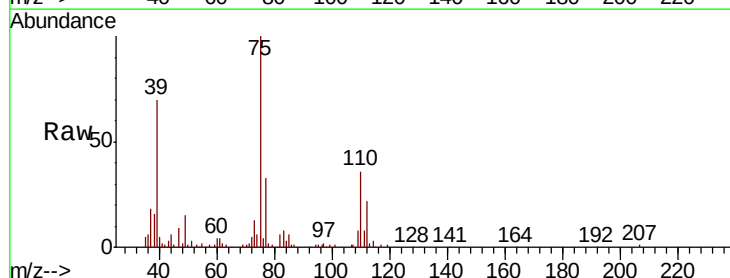
RT: 4.30 min Scan# 372

Delta R.T. 0.02 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

Tgt Ion:	75	Resp:	109040
Ion Ratio	Lower	Upper	
75	100		
110	35.8	16.2	48.6
77	33.5	25.0	37.6

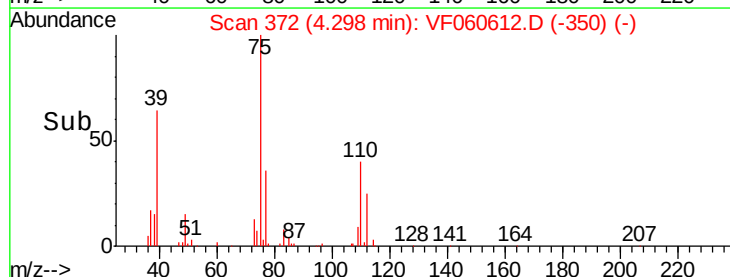
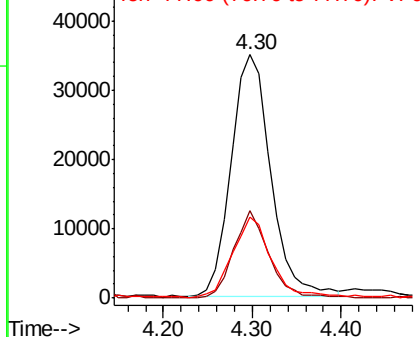


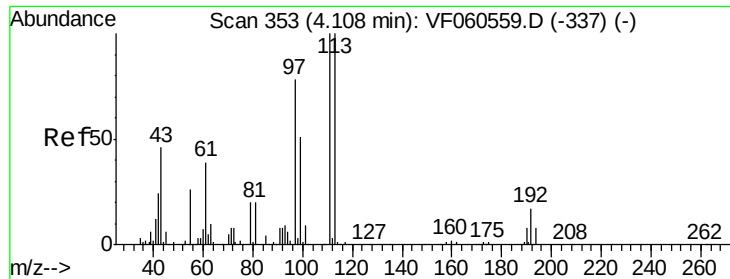
Abundance

Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





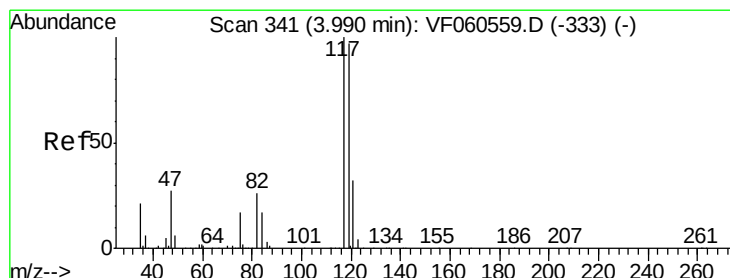
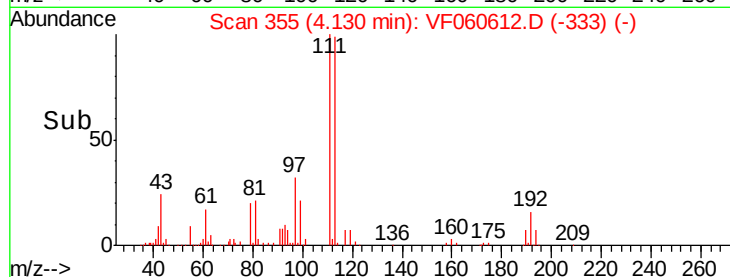
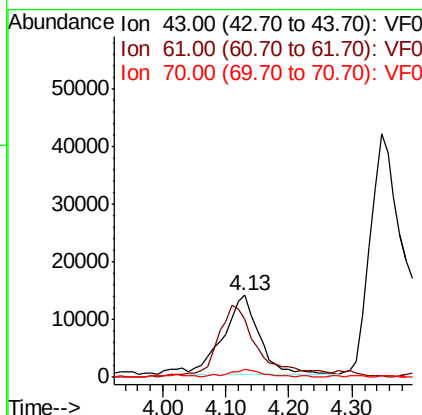
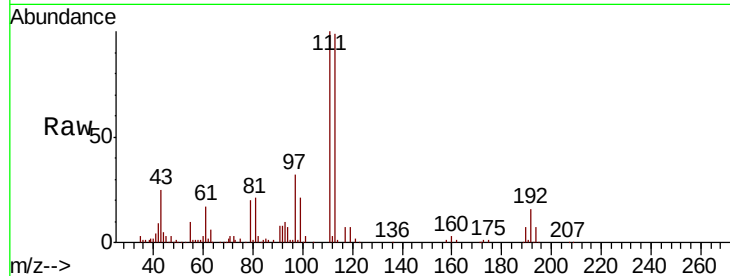
#37
Ethyl Acetate
Concen: 21.451 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.02 min
Lab File: VF060612.D
Acq: 6 Nov 2018 14:33

Instrument :
MSVOA_F
ClientSampleId :
VF1106SBS01

Tot Ion	43	61	70
Resp	53219	70.1	9.6
Lower		63.4	9.3
Upper		95.2	13.9

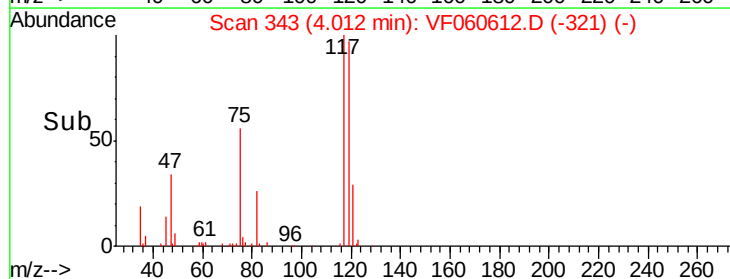
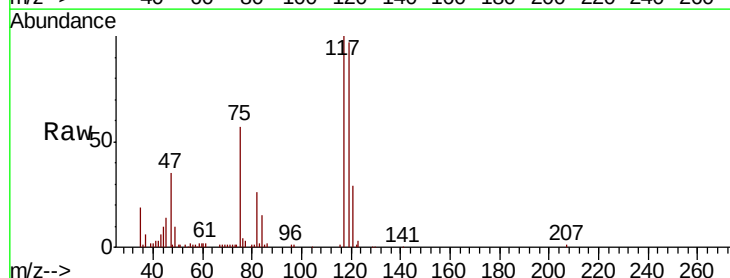
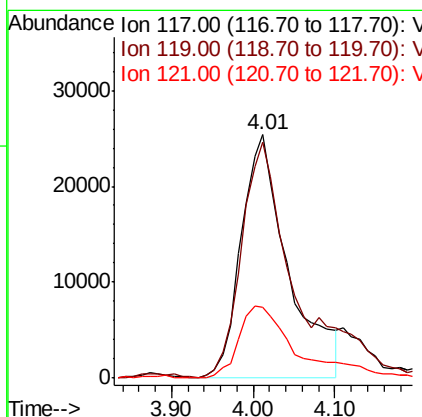
Manual Integrations
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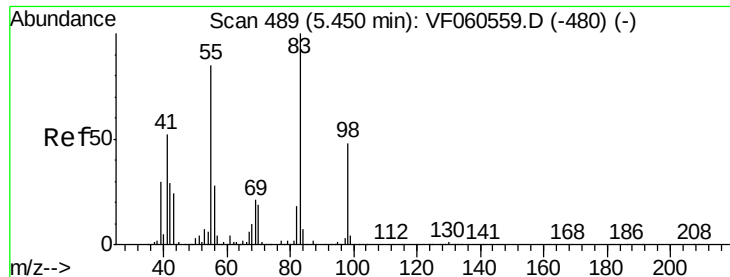
apatel
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#38
Carbon Tetrachloride
Concen: 23.008 ug/l m
RT: 4.01 min Scan# 343
Delta R.T. 0.02 min
Lab File: VF060612.D
Acq: 6 Nov 2018 14:33

Tgt Ion	117	119	121
Resp	101609	96.8	29.0
Lower		77.8	25.6
Upper		116.6	38.4





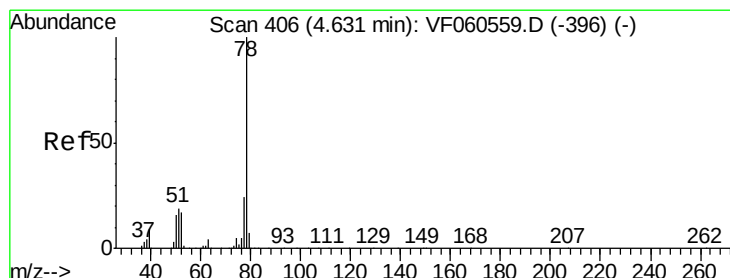
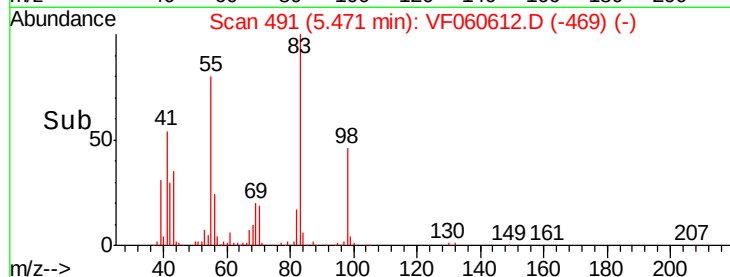
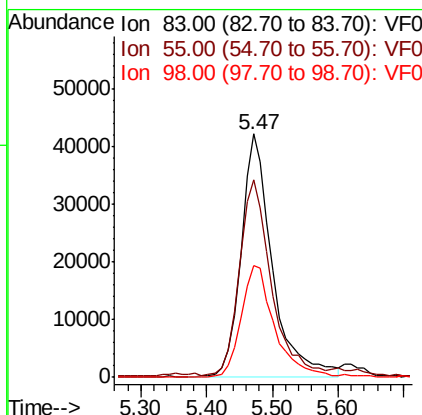
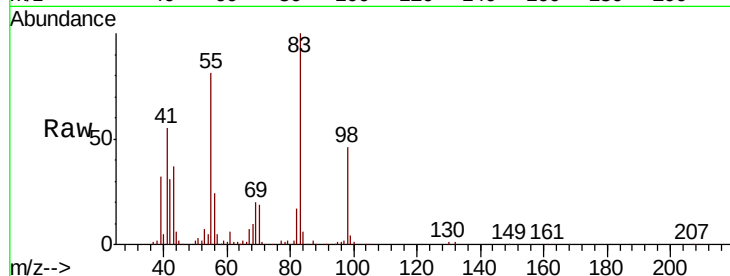
#39
Methylvlcyclohexane
Concen: 22.418 ug/l
RT: 5.47 min Scan# 491
Delta R.T. 0.02 min
Lab File: VF060612.D
Acq: 6 Nov 2018 14:33

Instrument :
MSVOA_F
ClientSampleId :
VF1106SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.3	69.1	103.7
98	45.9	38.6	57.8

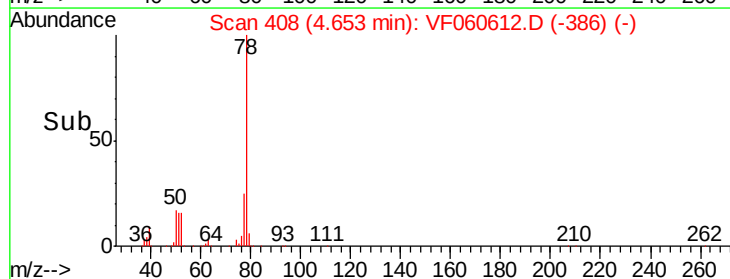
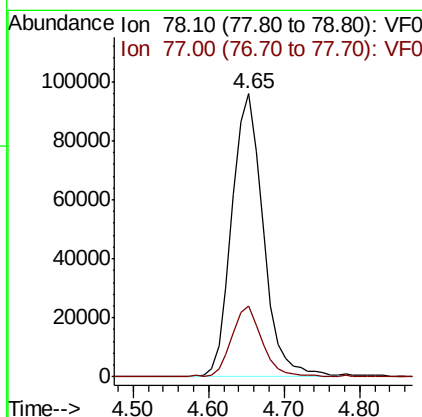
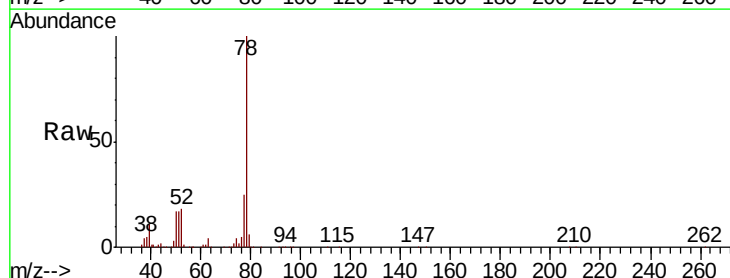
Manual Integrations
APPROVED

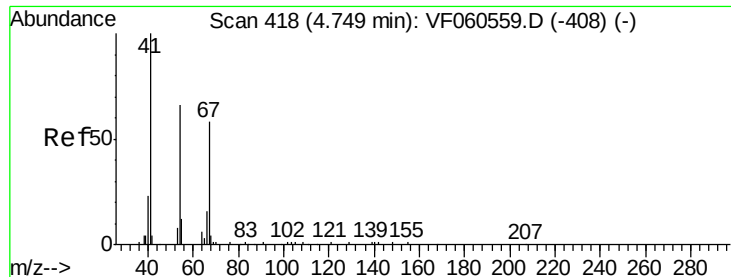
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#40
Benzene
Concen: 22.070 ug/l
RT: 4.65 min Scan# 408
Delta R.T. 0.02 min
Lab File: VF060612.D
Acq: 6 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.3	28.9





#41

Methacrylonitrile

Concen: 20.817 ug/l

RT: 4.76 min Scan# 419

Delta R.T. 0.01 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

Instrument :

MSVOA_F

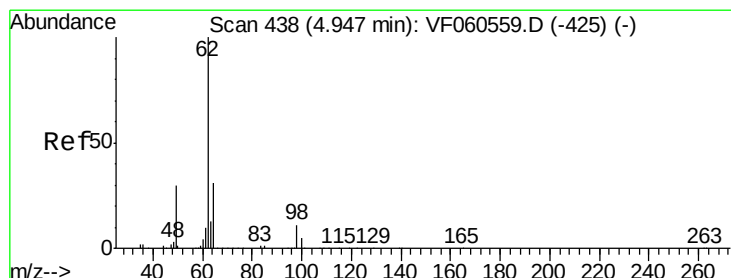
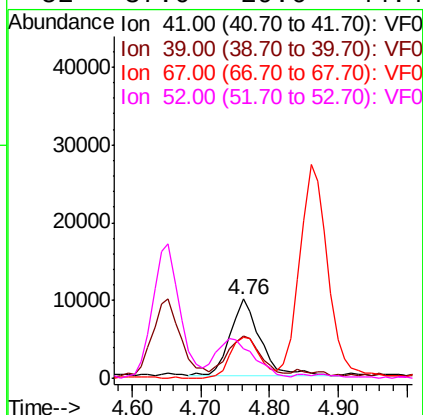
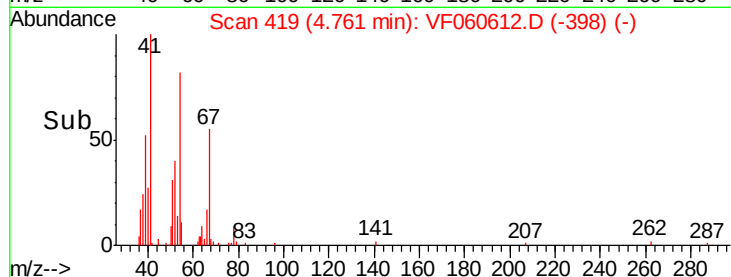
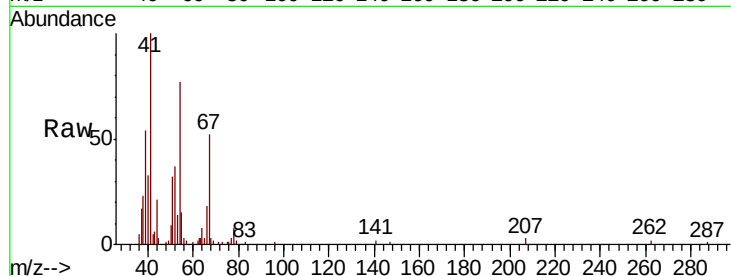
ClientSampleId :

VF1106SBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.3	45.6	68.4	
67	51.9	45.3	67.9	
52	37.0	29.6	44.4	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.817 ug/l

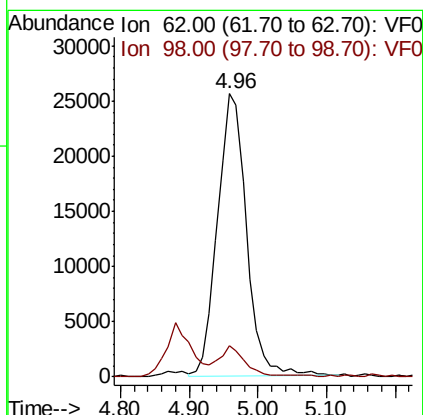
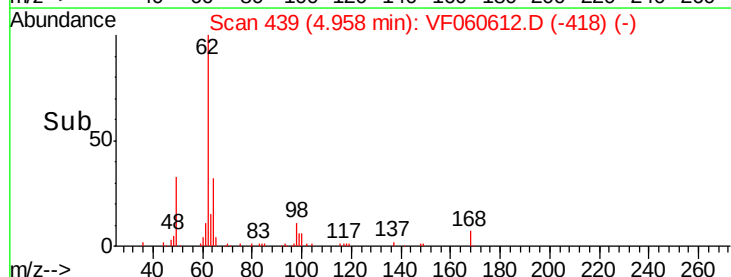
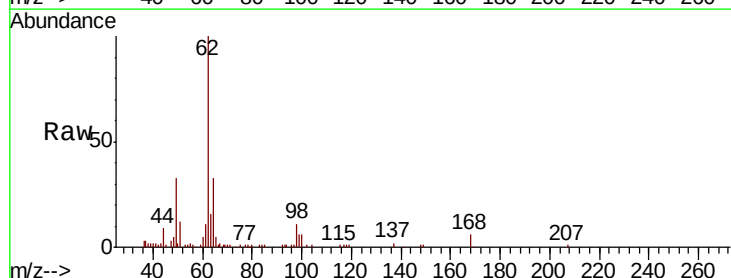
RT: 4.96 min Scan# 439

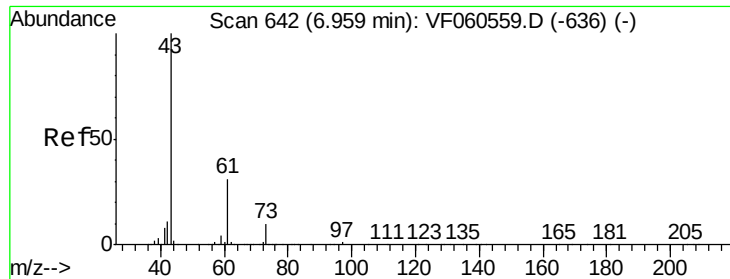
Delta R.T. 0.01 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.9	0.0	22.4	





#43

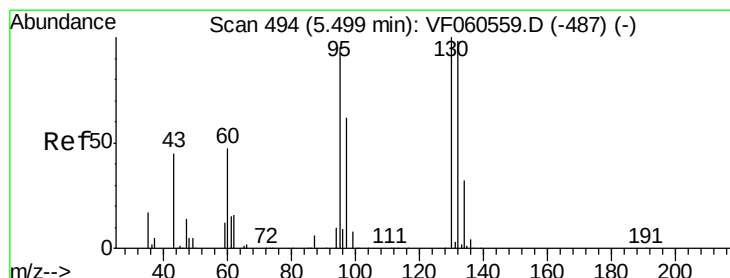
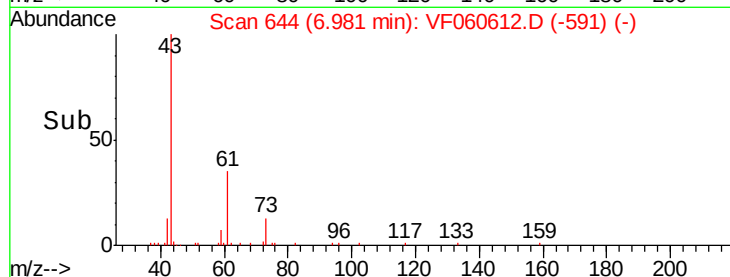
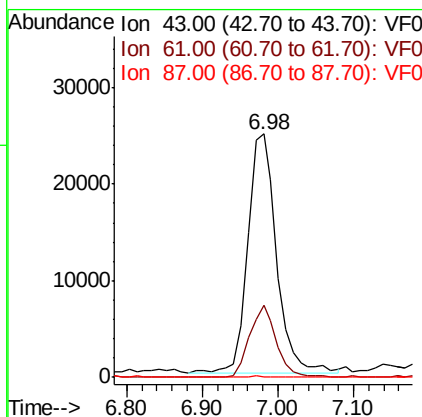
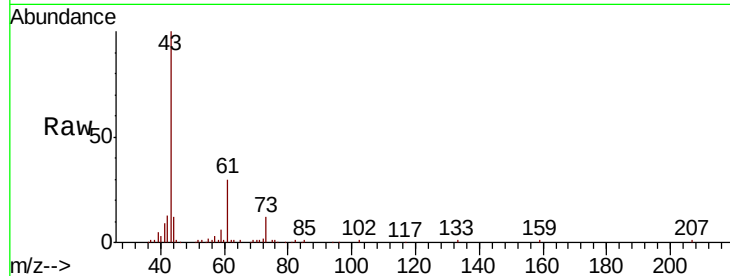
Isopropyl Acetate
 Concen: 20.906 ug/l
 RT: 6.98 min Scan# 644
 Delta R.T. 0.02 min
 Lab File: VF060612.D
 Acq: 6 Nov 2018 14:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1106SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.7	24.2	36.2
87	0.0	0.2	0.4

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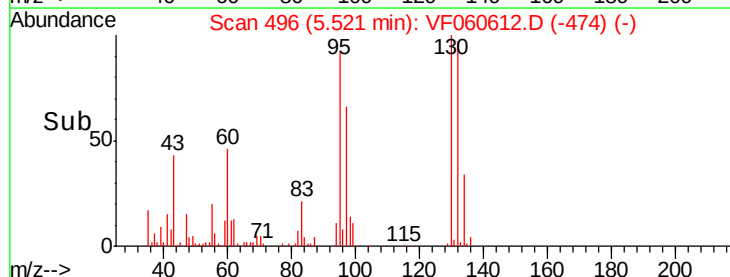
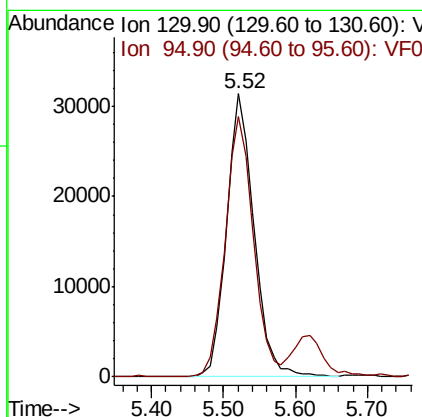
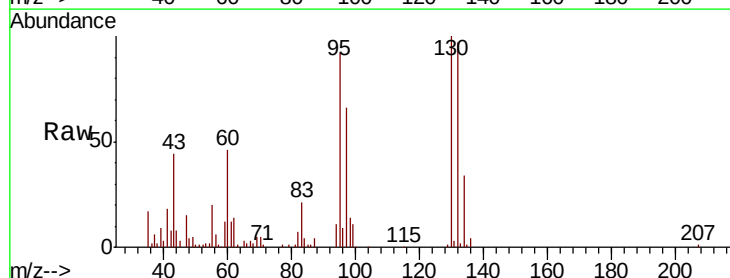
apatel
 11/7/2018 11:21:31 AM

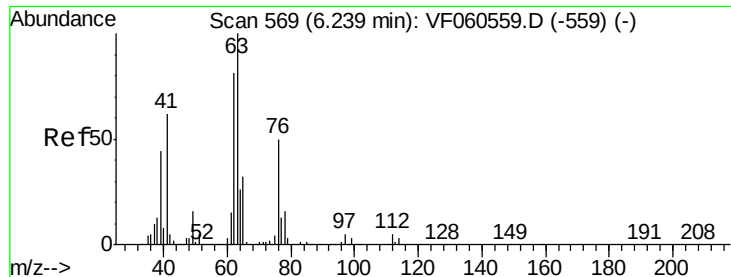


#44

Trichloroethene
 Concen: 22.085 ug/l
 RT: 5.52 min Scan# 496
 Delta R.T. 0.02 min
 Lab File: VF060612.D
 Acq: 6 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	191.0





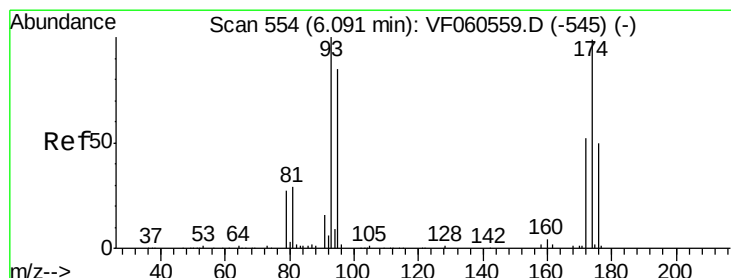
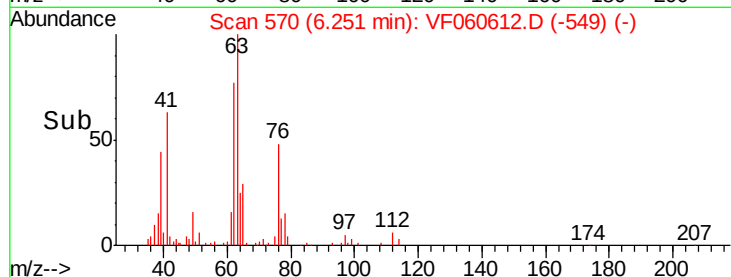
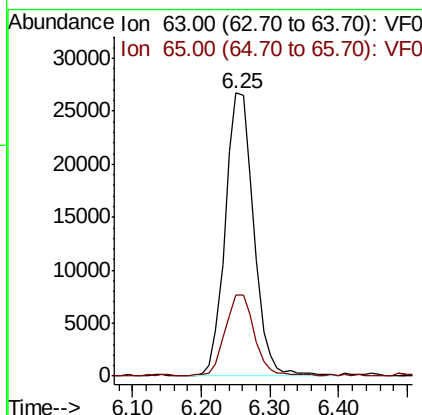
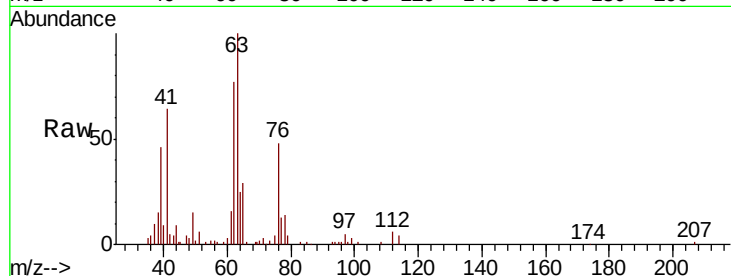
#45
 1,2-Dichloropropane
 Concen: 23.956 ug/l
 RT: 6.25 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VF060612.D
 Acq: 6 Nov 2018 14:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1106SBS01

Tot Ion: 63 Resp: 76862
 Ion Ratio Lower Upper
 63 100
 65 28.7 25.4 38.0

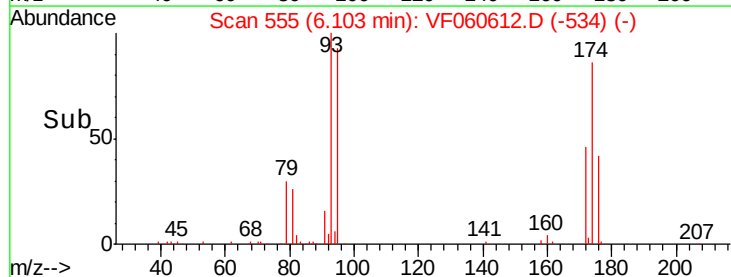
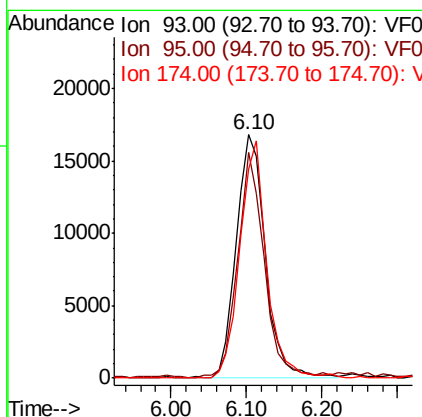
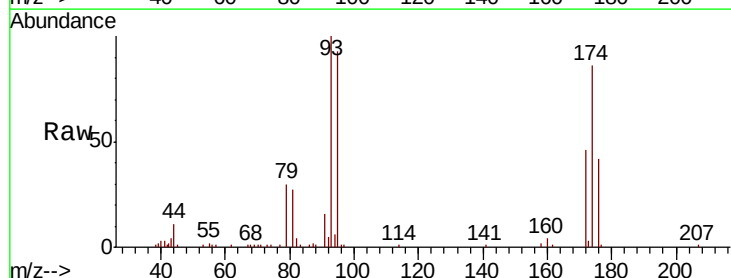
Manual Integrations
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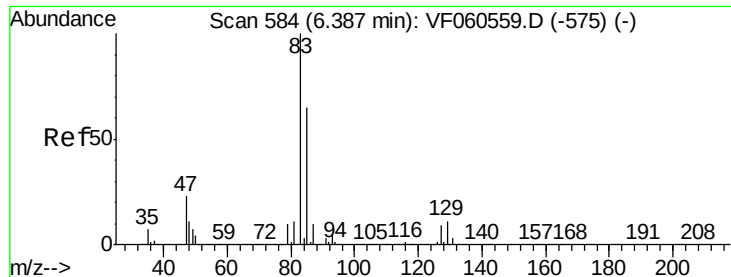
apatel
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#46
 Dibromomethane
 Concen: 21.817 ug/l
 RT: 6.10 min Scan# 555
 Delta R.T. 0.01 min
 Lab File: VF060612.D
 Acq: 6 Nov 2018 14:33

Tgt Ion: 93 Resp: 44408
 Ion Ratio Lower Upper
 93 100
 95 92.7 68.6 102.8
 174 85.8 79.0 118.4





#47

Bromodichloromethane

Concen: 22.507 ug/l

RT: 6.40 min Scan# 585

Delta R.T. 0.01 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

Instrument :

MSVOA_F

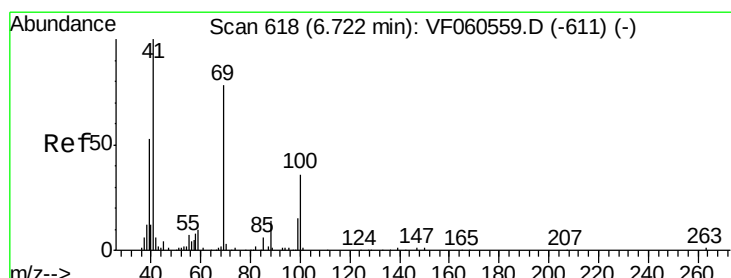
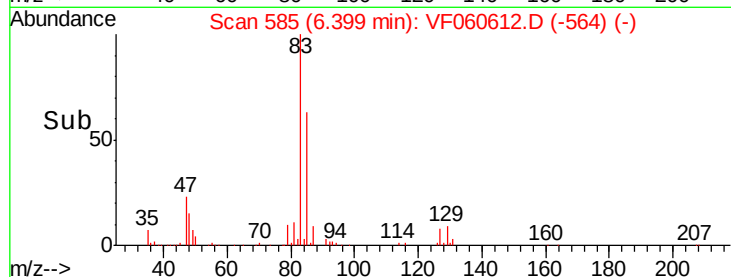
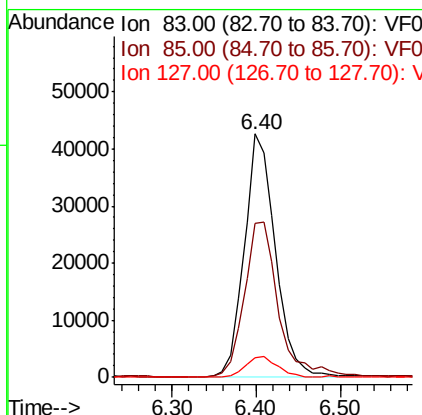
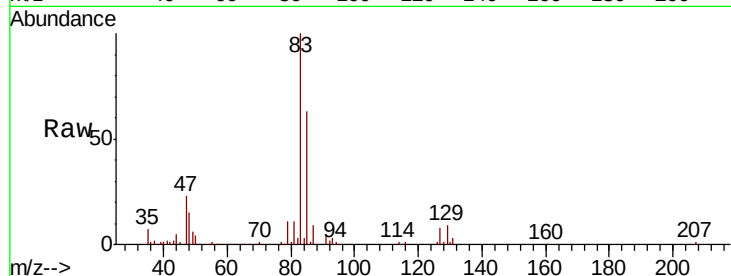
ClientSampleId :

VF1106SBS01

Tot Ion:	83	Resp:	110501
Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.8	77.6
127	7.8	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.691 ug/l

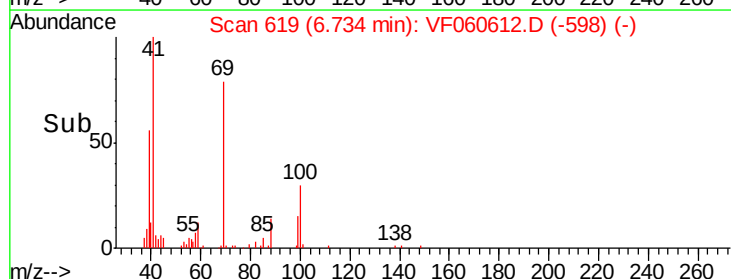
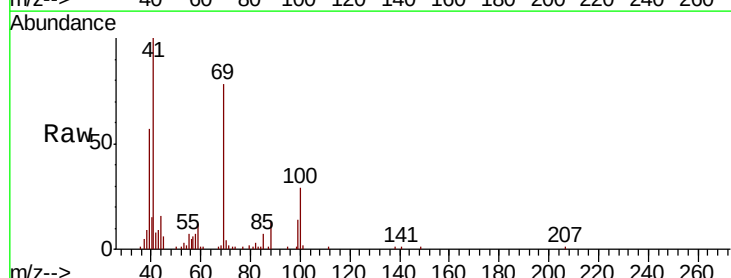
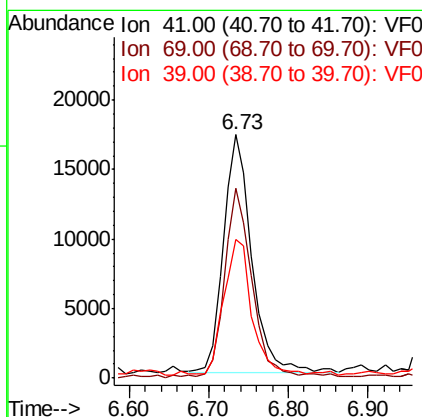
RT: 6.73 min Scan# 619

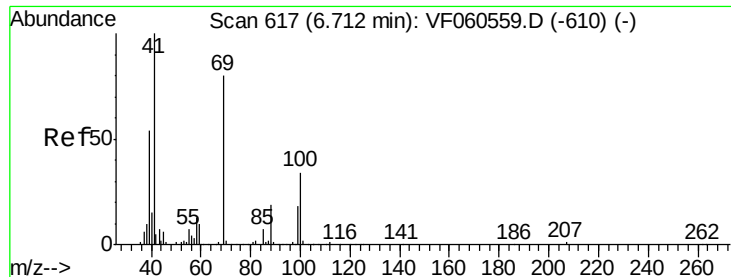
Delta R.T. 0.01 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

Tgt Ion:	41	Resp:	42780
Ion	Ratio	Lower	Upper
41	100		
69	78.0	61.1	91.7
39	56.9	43.0	64.6





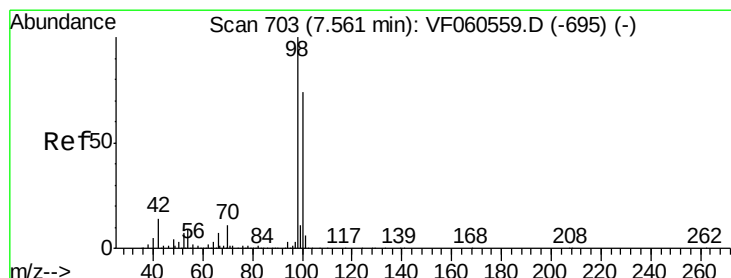
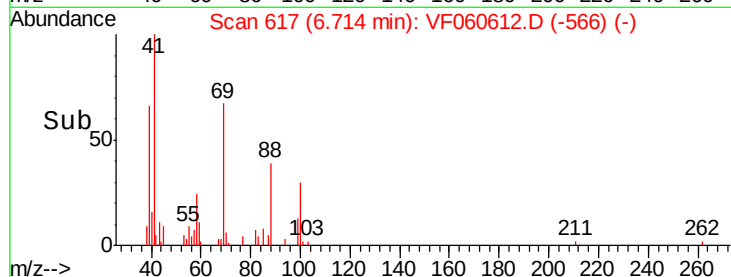
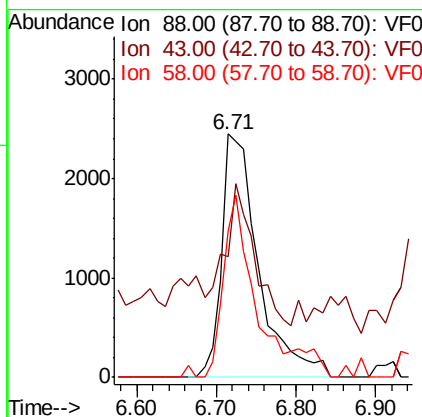
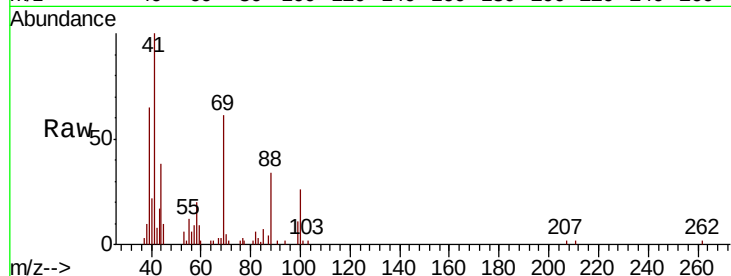
#49
1,4-Dioxane
Concen: 384.500 ug/l
RT: 6.71 min Scan# 617
Delta R.T. 0.00 min
Lab File: VF060612.D
Acq: 6 Nov 2018 14:33

Instrument :
MSVOA_F
ClientSampleId :
VF1106SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	7933		
43	49.4		61.2	91.8#
58	59.9		56.9	85.3

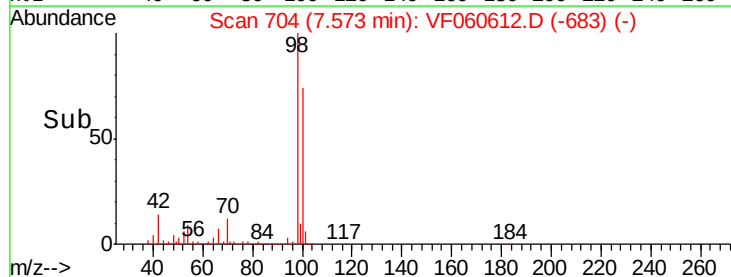
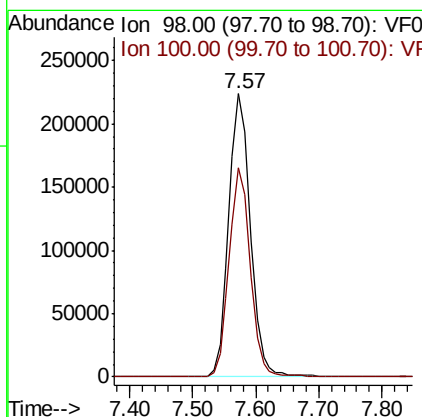
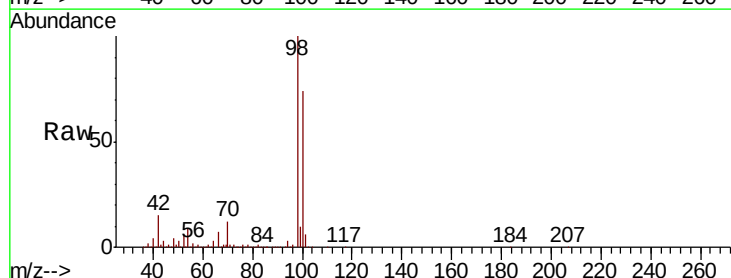
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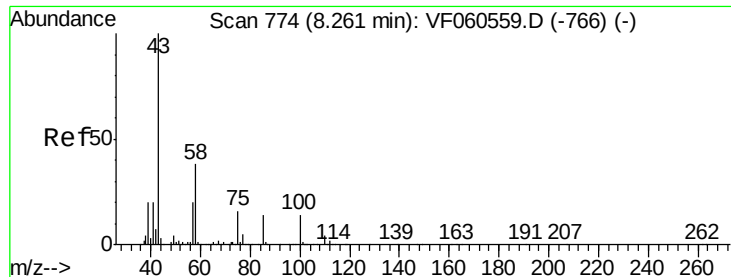
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#50
Toluene-d8
Concen: 49.448 ug/l
RT: 7.57 min Scan# 704
Delta R.T. 0.01 min
Lab File: VF060612.D
Acq: 6 Nov 2018 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	531197		
100	73.9		59.4	89.2





#51

4-Methyl-2-Pentanone

Concen: 119.379 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.01 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

VF1106SBS01

Tot Ion: 43 Resp: 251926

Ion Ratio Lower Upper

43 100

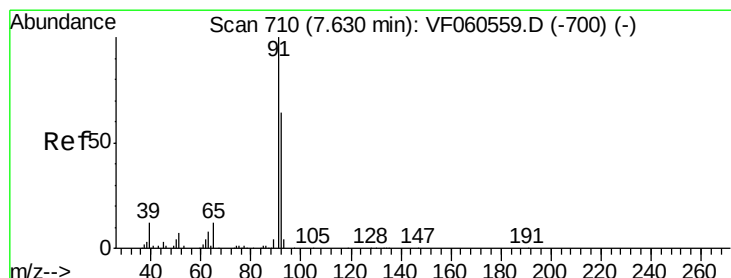
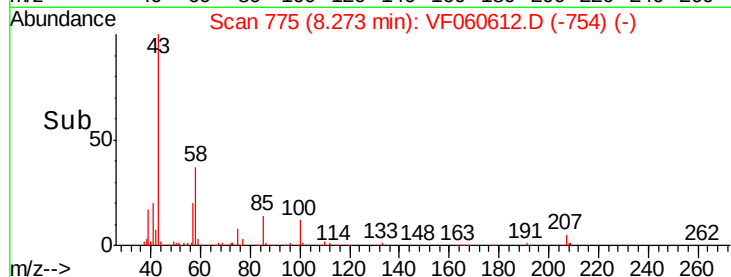
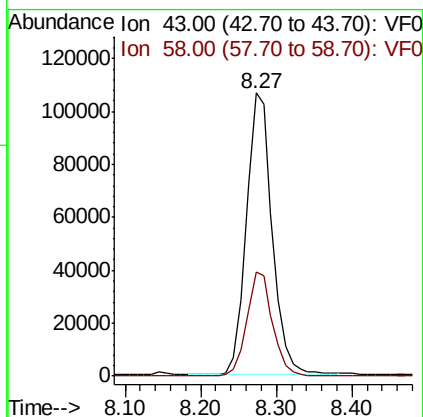
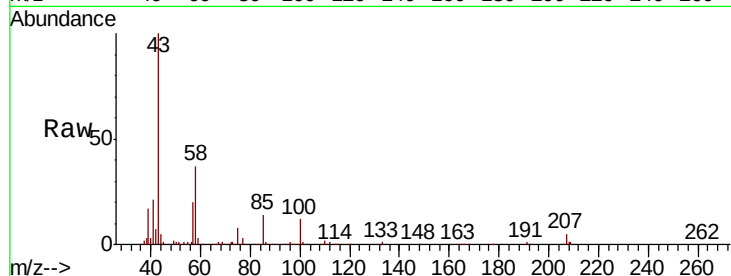
58 36.9 30.1 45.1

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#52

Toluene

Concen: 19.951 ug/l

RT: 7.64 min Scan# 711

Delta R.T. 0.01 min

Lab File: VF060612.D

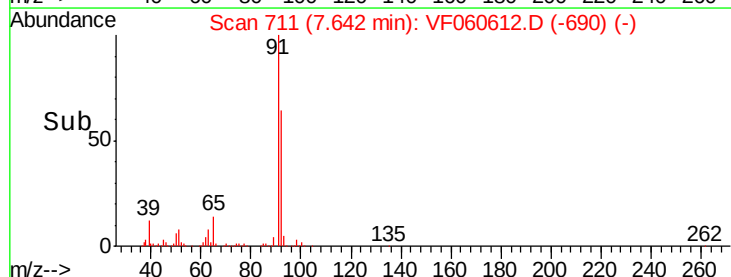
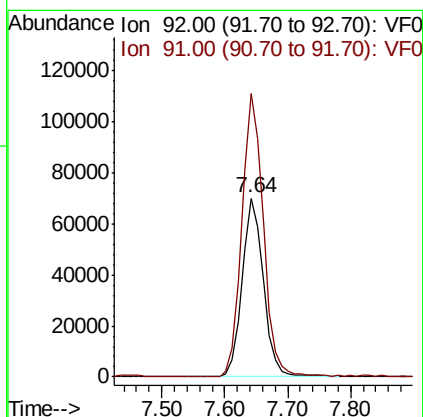
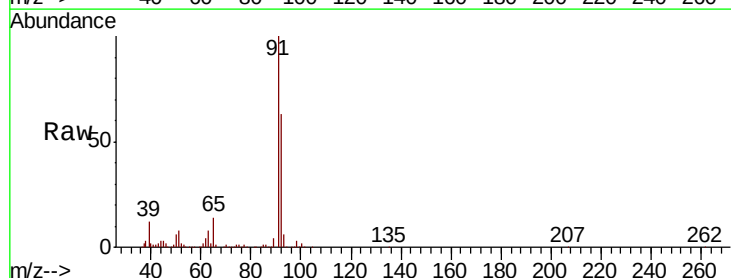
Acq: 6 Nov 2018 14:33

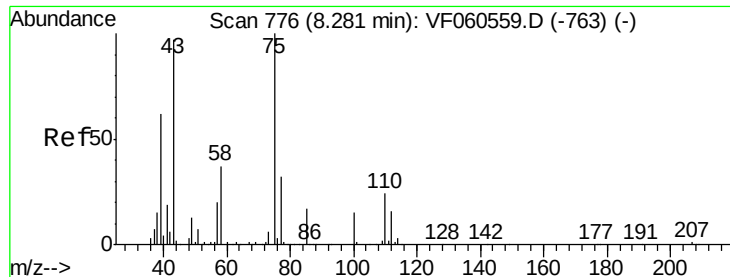
Tgt Ion: 92 Resp: 163041

Ion Ratio Lower Upper

92 100

91 158.4 124.5 186.7





#53

t-1,3-Dichloropropene

Concen: 21.328 ug/l

RT: 8.30 min Scan# 778

Delta R.T. 0.02 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

VF1106SBS01

Tot Ion: 75 Resp: 91007

Ion Ratio Lower Upper

75 100

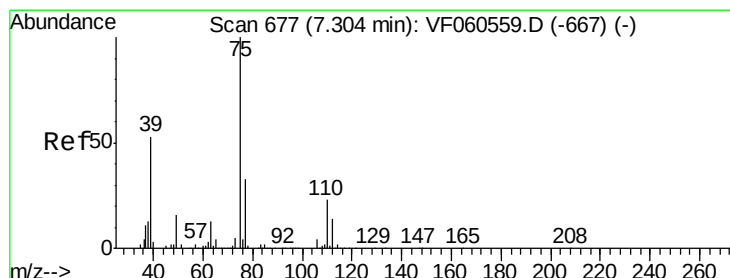
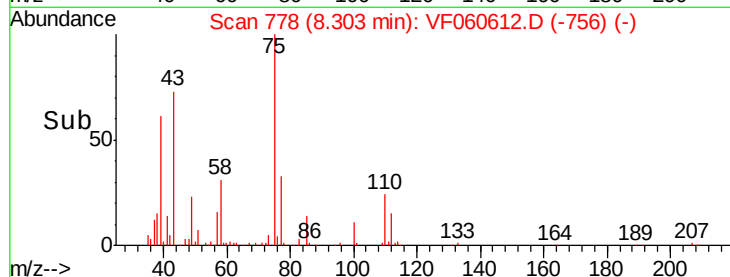
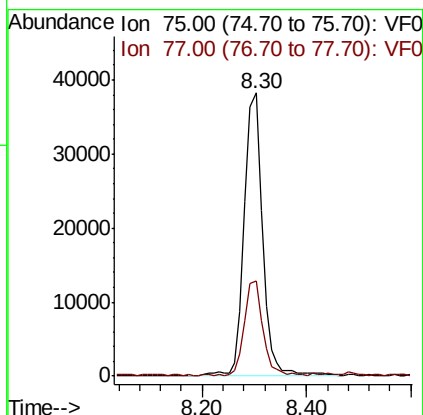
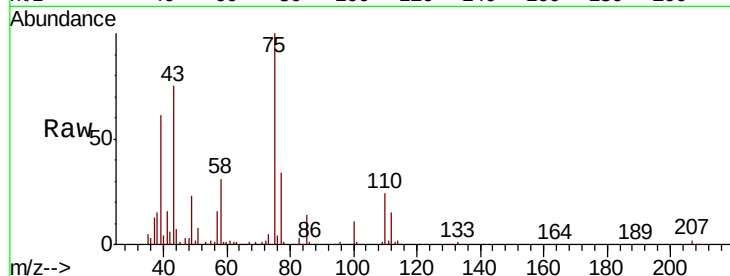
77 33.5 25.7 38.5

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#54

cis-1,3-Dichloropropene

Concen: 21.266 ug/l

RT: 7.32 min Scan# 678

Delta R.T. 0.01 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

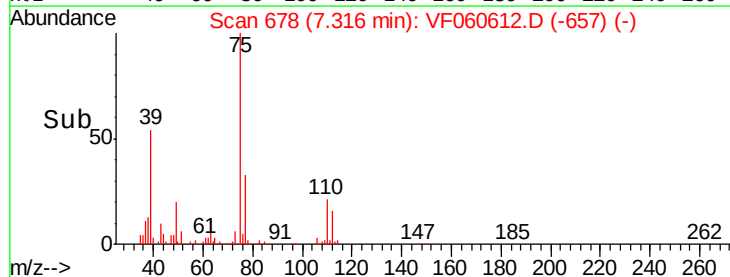
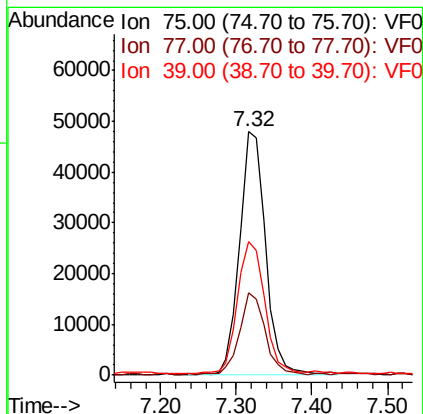
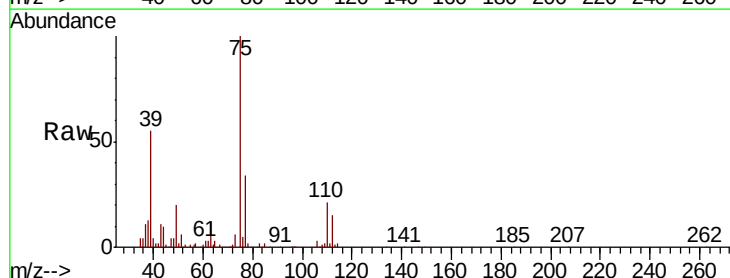
Tgt Ion: 75 Resp: 114653

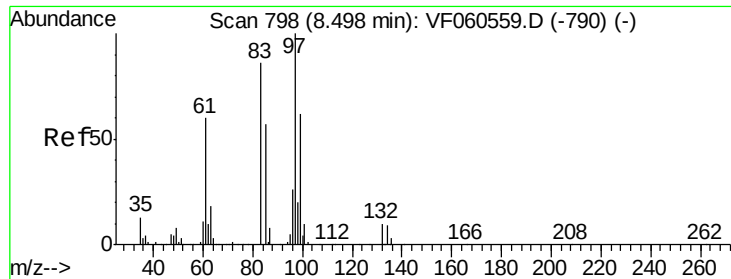
Ion Ratio Lower Upper

75 100

77 33.6 26.7 40.1

39 54.7 43.0 64.4





#55

1,1,2-Trichloroethane

Concen: 20.925 ug/l

RT: 8.51 min Scan# 799

Delta R.T. 0.01 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

Instrument :

MSVOA_F

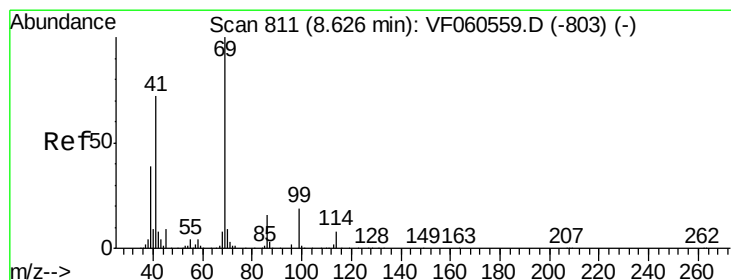
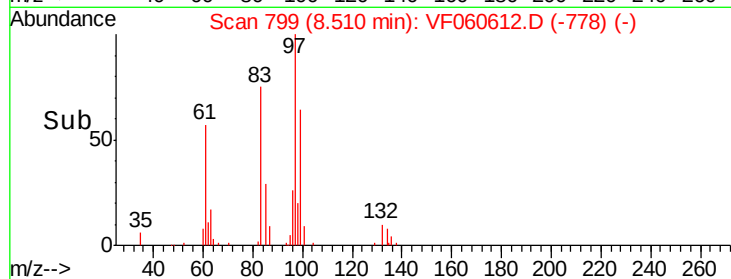
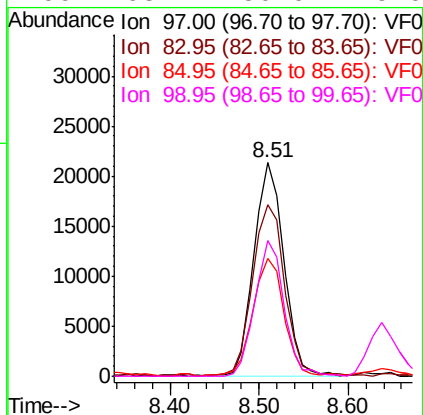
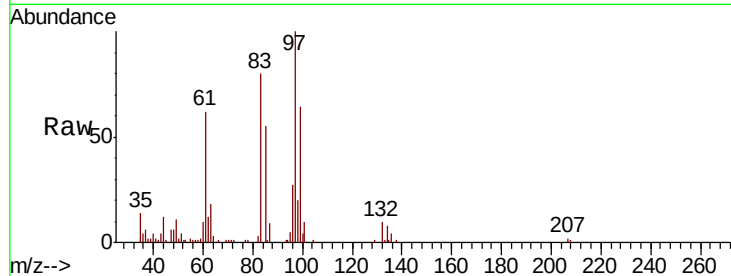
ClientSampleId :

VF1106SBS01

Tot Ion:	97	Resp:	49760
Ion	Ratio	Lower	Upper
97	100		
83	80.3	69.4	104.0
85	54.9	46.6	69.8
99	63.7	50.0	75.0

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#56

Ethyl methacrylate

Concen: 19.924 ug/l

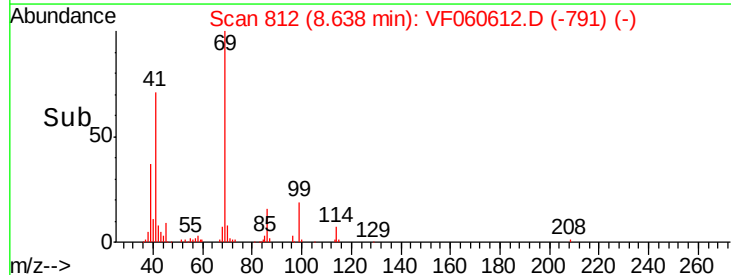
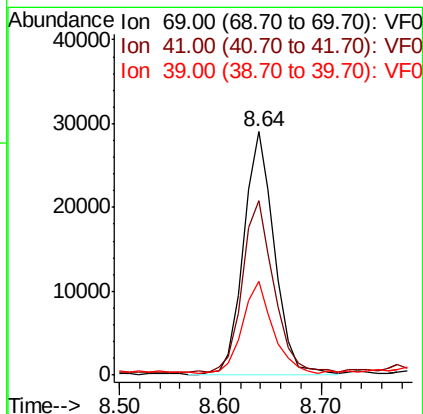
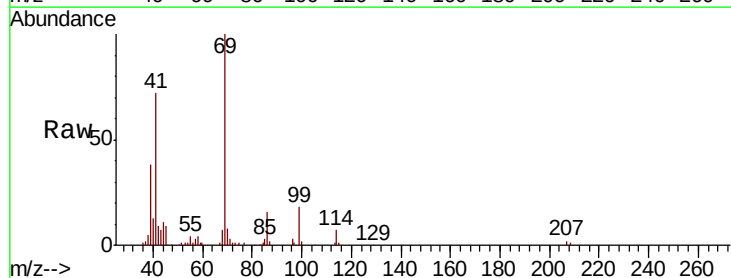
RT: 8.64 min Scan# 812

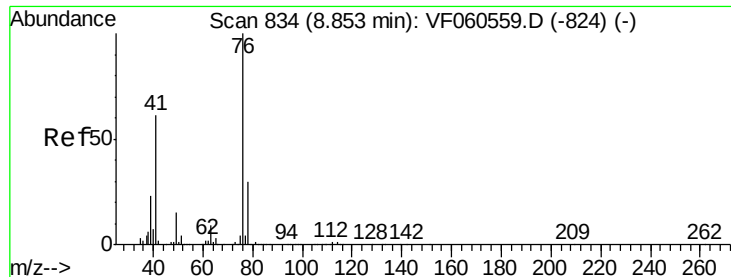
Delta R.T. 0.01 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

Tgt Ion:	69	Resp:	60959
Ion	Ratio	Lower	Upper
69	100		
41	71.5	59.2	88.8
39	38.5	32.3	48.5





#57

1,3-Dichloropropane

Concen: 21.486 ug/l

RT: 8.87 min Scan# 836

Delta R.T. 0.02 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

VF1106SBS01

Tot Ion: 76 Resp: 89651

Ion Ratio Lower Upper

76 100

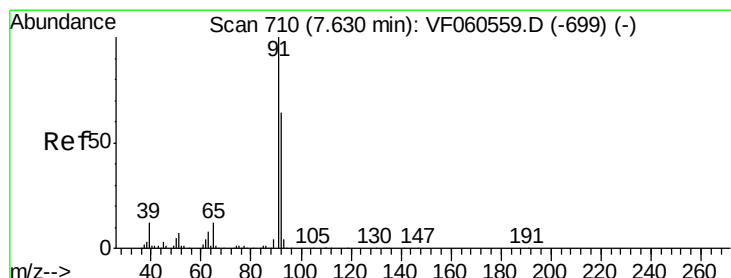
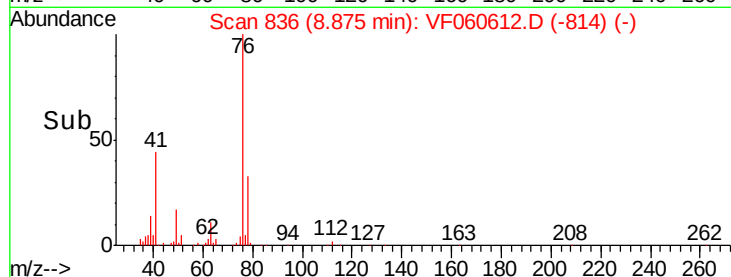
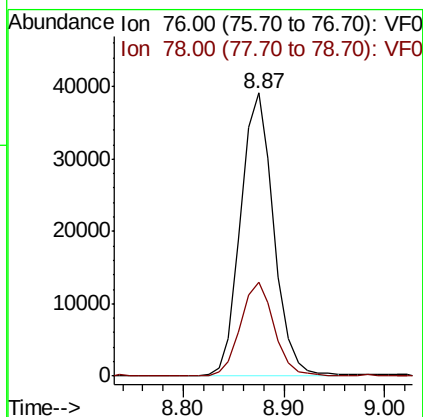
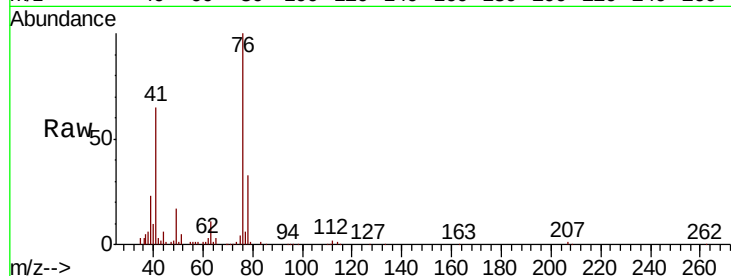
78 33.4 24.2 36.4

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#58

2-Chloroethyl Vinyl ether

Concen: 103.499 ug/l

RT: 7.64 min Scan# 711

Delta R.T. 0.01 min

Lab File: VF060612.D

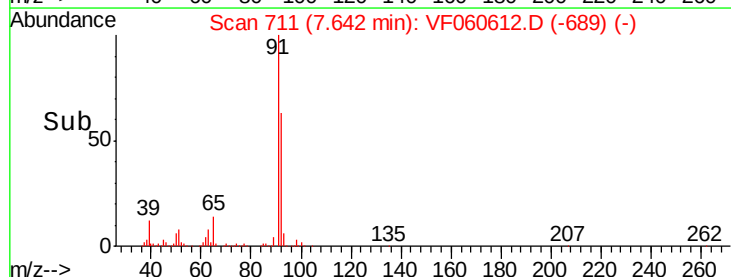
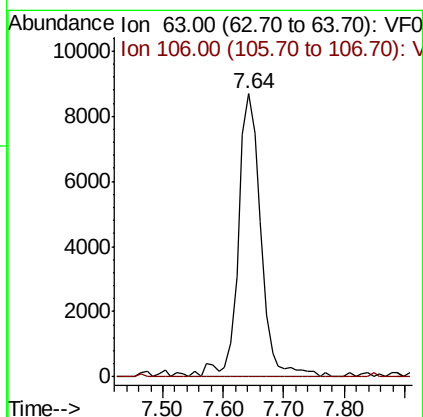
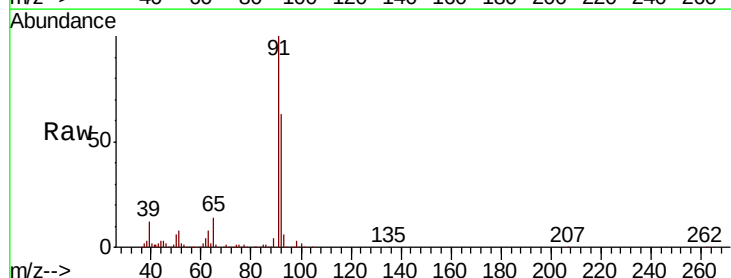
Acq: 6 Nov 2018 14:33

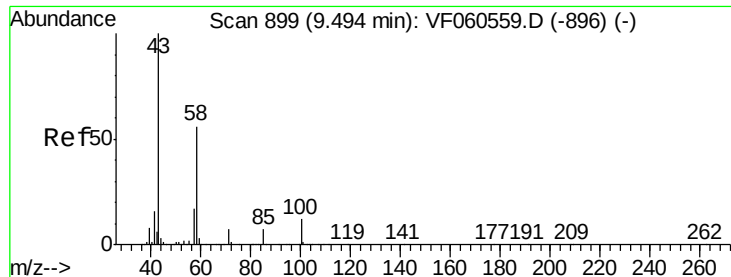
Tgt Ion: 63 Resp: 22648

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





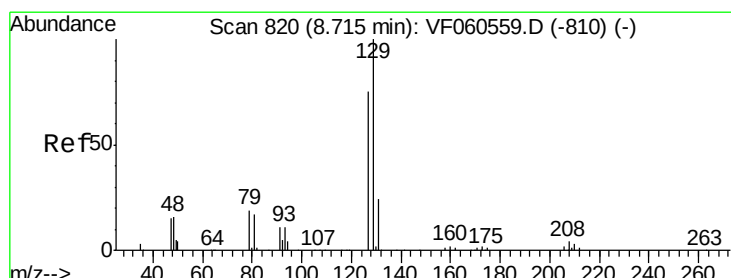
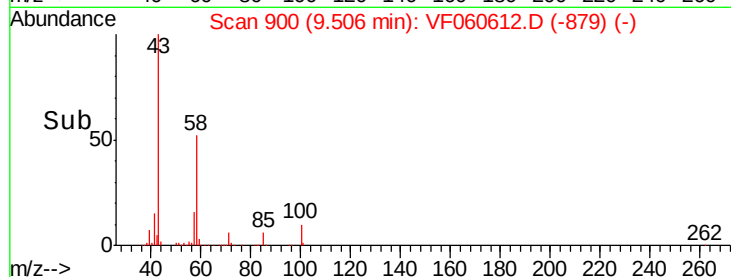
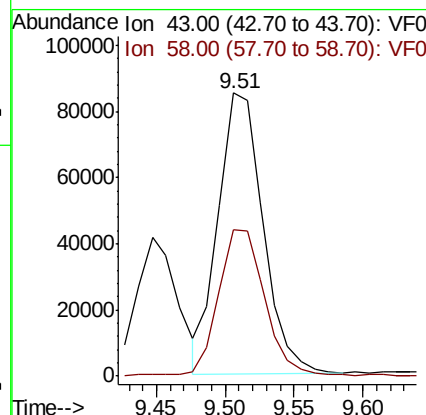
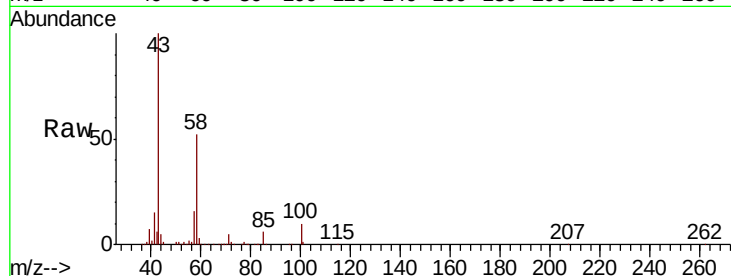
#59
2-Hexanone
Concen: 124.077 ug/l
RT: 9.51 min Scan# 900
Delta R.T. 0.01 min
Lab File: VF060612.D
Acq: 6 Nov 2018 14:33

Instrument :
MSVOA_F
ClientSampleId :
VF1106SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.6	26.1	78.3

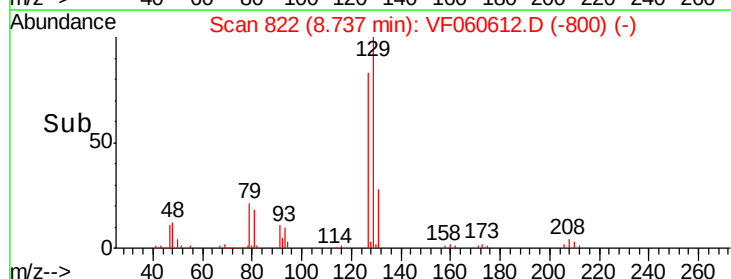
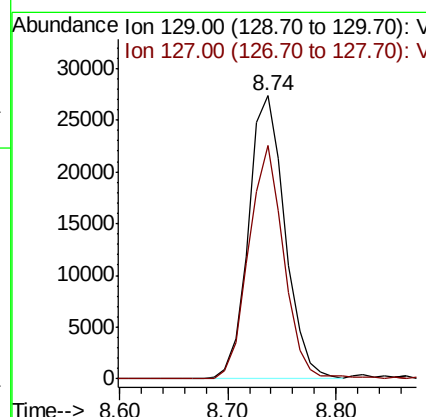
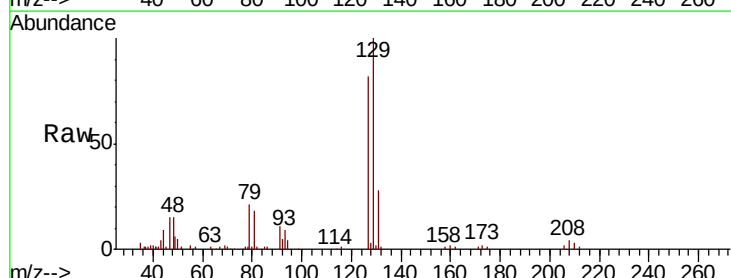
Manual Integrations
APPROVED

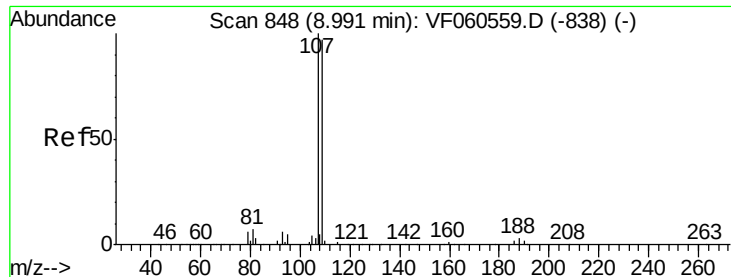
apatel
11/7/2018 11:21:31 AM



#60
Dibromochloromethane
Concen: 19.244 ug/l
RT: 8.74 min Scan# 822
Delta R.T. 0.02 min
Lab File: VF060612.D
Acq: 6 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
129	100		
127	82.3	37.8	113.3





#61

1,2-Dibromoethane

Concen: 22.121 ug/l

RT: 9.00 min Scan# 849

Delta R.T. 0.01 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

VF1106SBS01

Tot Ion:107 Resp: 55319

Ion Ratio Lower Upper

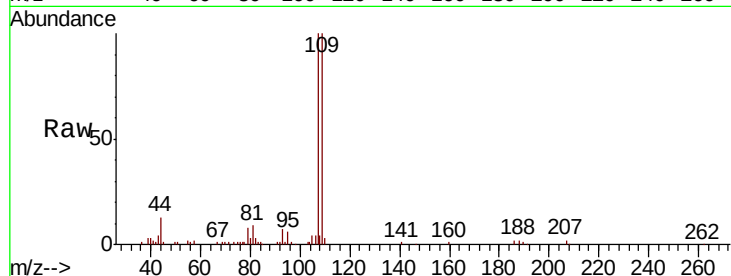
107 100

109 100.2 77.5 116.3

Manual Integrations
APPROVED

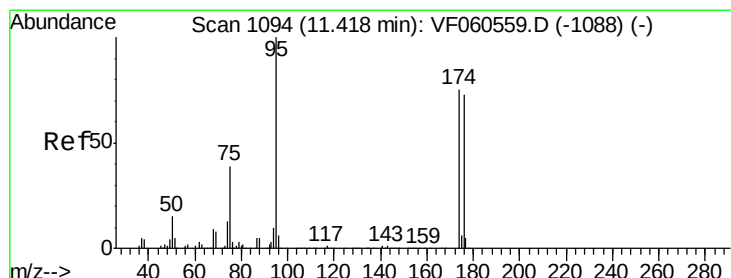
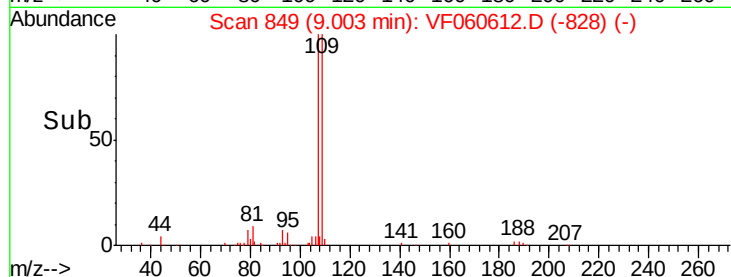
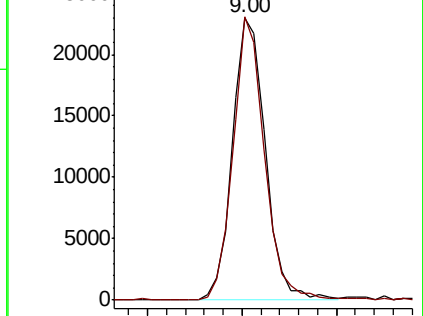
apatel

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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: 52.273 ug/l

RT: 11.43 min Scan# 1095

Delta R.T. 0.01 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

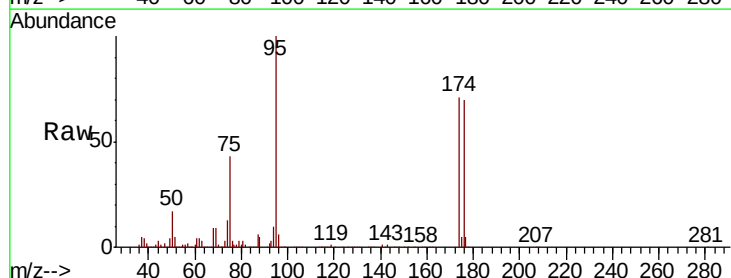
Tgt Ion: 95 Resp: 245627

Ion Ratio Lower Upper

95 100

174 71.0 0.0 149.0

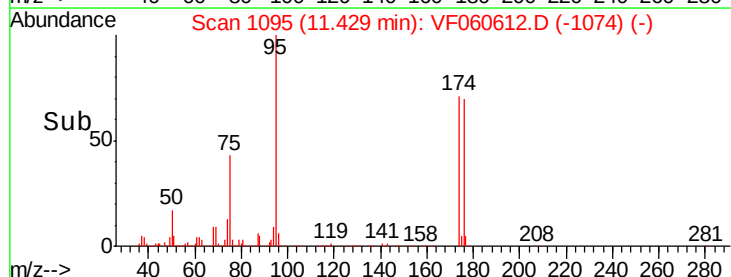
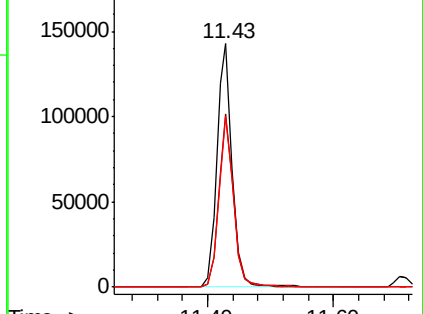
176 69.9 0.0 145.6

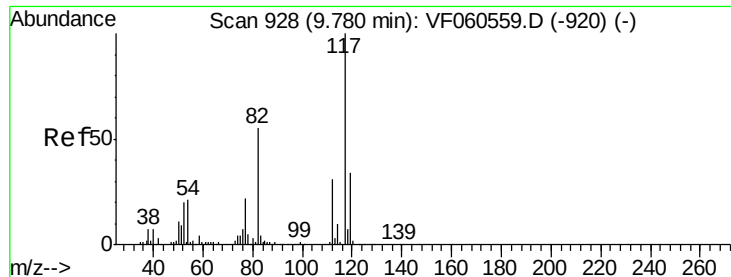


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





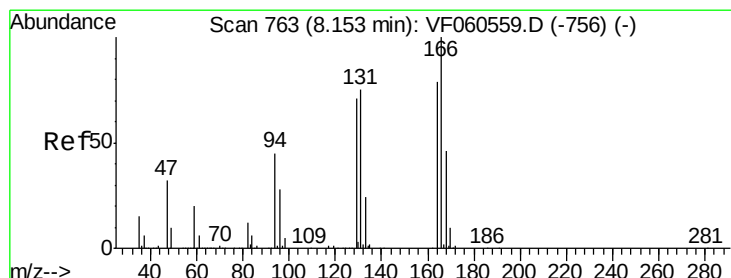
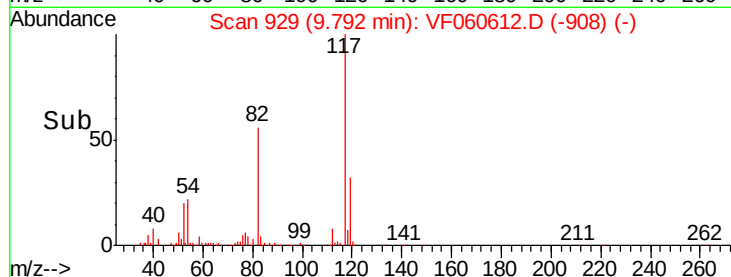
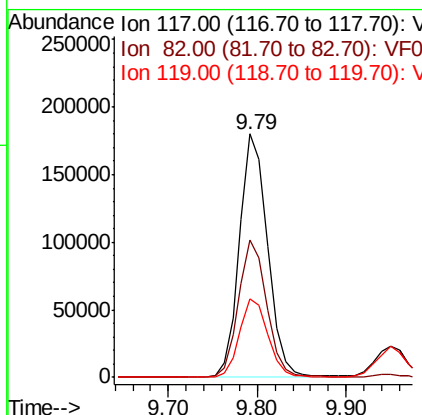
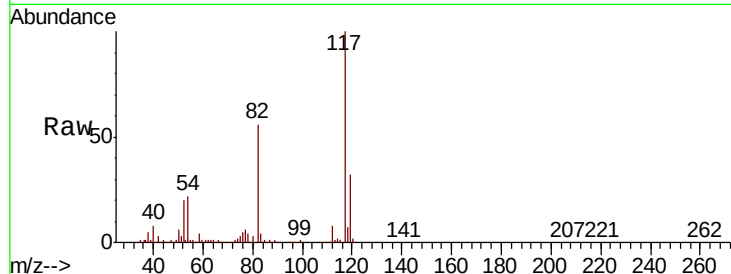
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.01 min
Lab File: VF060612.D
Acq: 6 Nov 2018 14:33

Instrument :
MSVOA_F
ClientSampleId :
VF1106SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	398105		
82	56.3		43.9	65.9
119	32.5		27.4	41.0

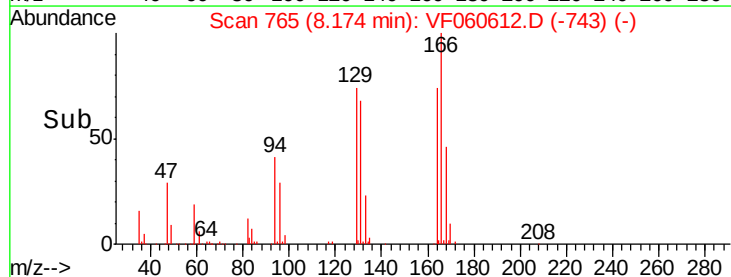
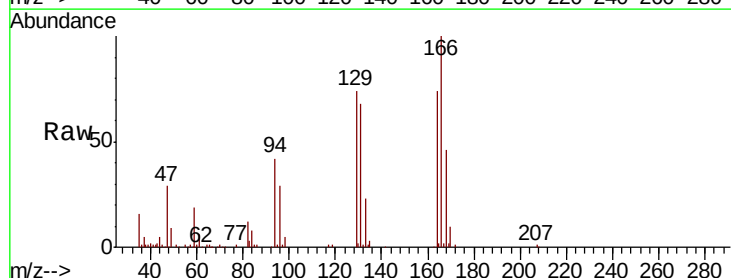
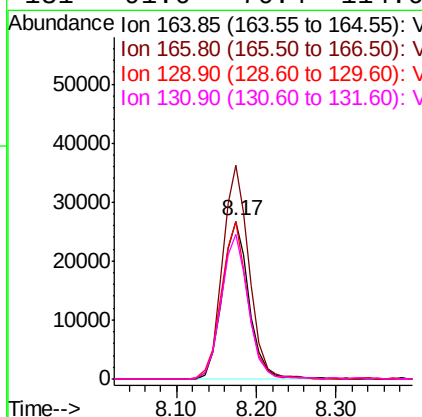
Manual Integrations
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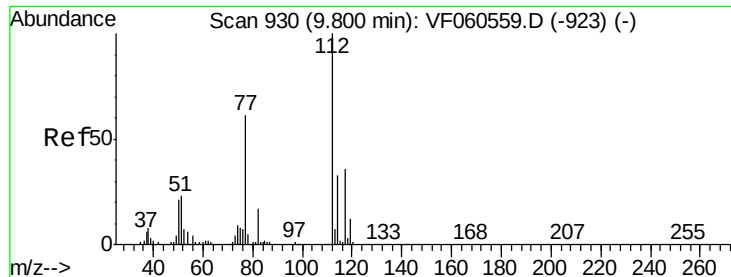
apatel
11/7/2018 11:21:31 AM



#64
Tetrachloroethene
Concen: 20.183 ug/l
RT: 8.17 min Scan# 765
Delta R.T. 0.02 min
Lab File: VF060612.D
Acq: 6 Nov 2018 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	62972		
166	135.1		101.5	152.3
129	100.0		72.5	108.7
131	91.6		76.4	114.6





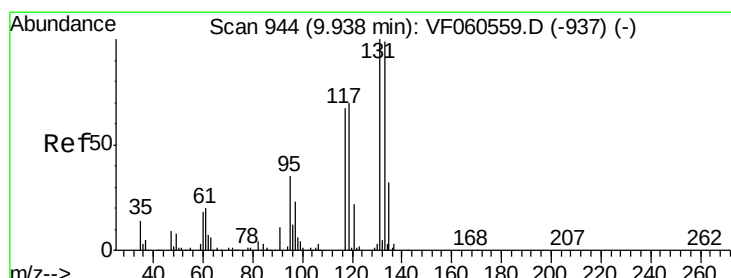
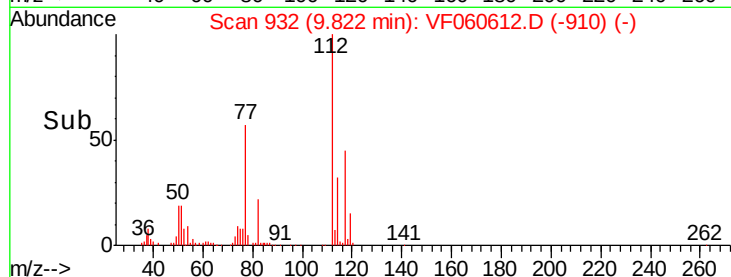
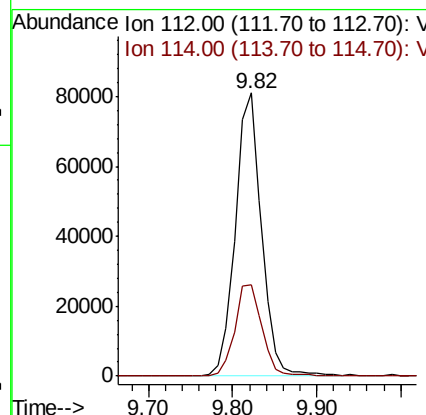
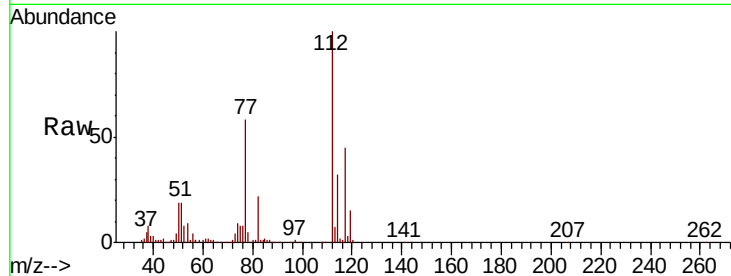
#65
Chlorobenzene
Concen: 21.550 ug/l
RT: 9.82 min Scan# 932
Delta R.T. 0.02 min
Lab File: VF060612.D
Acq: 6 Nov 2018 14:33

Instrument :
MSVOA_F
ClientSampleId :
VF1106SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.6	40.0

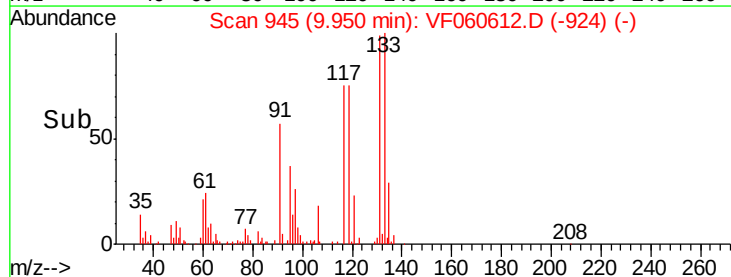
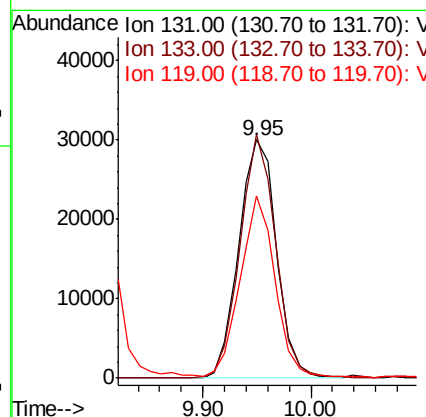
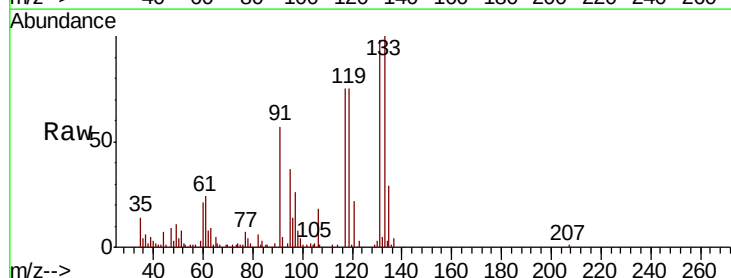
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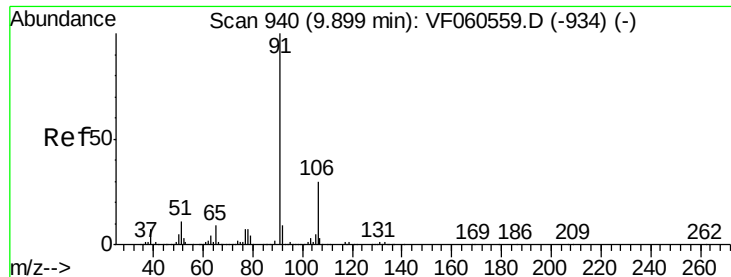
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.075 ug/l
RT: 9.95 min Scan# 945
Delta R.T. 0.01 min
Lab File: VF060612.D
Acq: 6 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
131	100		
133	102.1	49.5	148.7
119	76.3	35.2	105.6





#67

Ethyl Benzene

Concen: 21.277 ug/l

RT: 9.92 min Scan# 942

Delta R.T. 0.02 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

VF1106SBS01

Tot Ion: 91 Resp: 314336

Ion Ratio Lower Upper

91 100

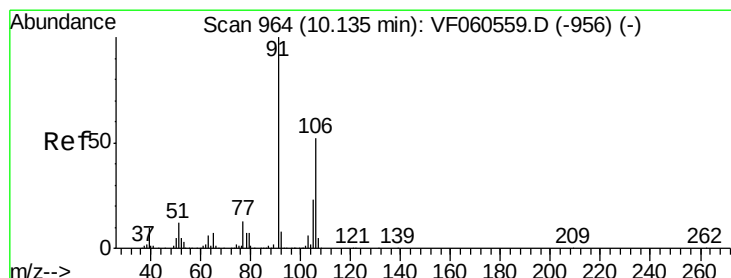
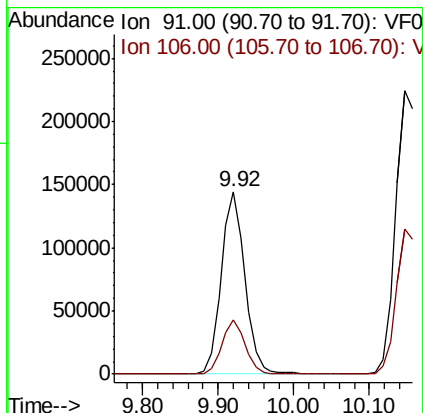
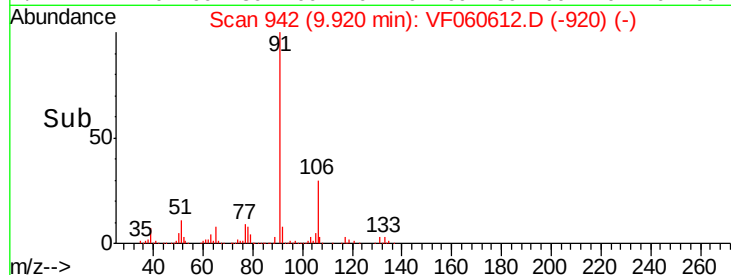
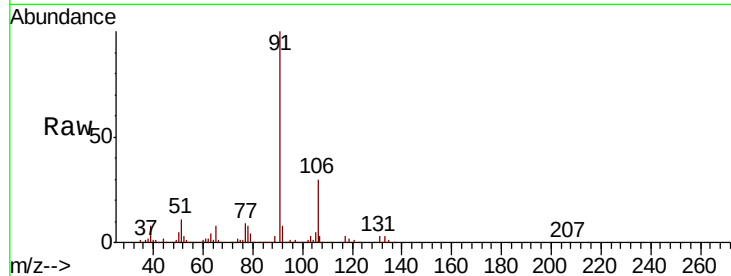
106 30.0 24.2 36.4

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#68

m/p-Xylenes

Concen: 44.914 ug/l

RT: 10.15 min Scan# 965

Delta R.T. 0.01 min

Lab File: VF060612.D

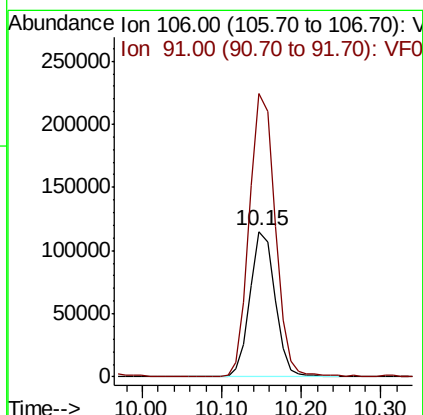
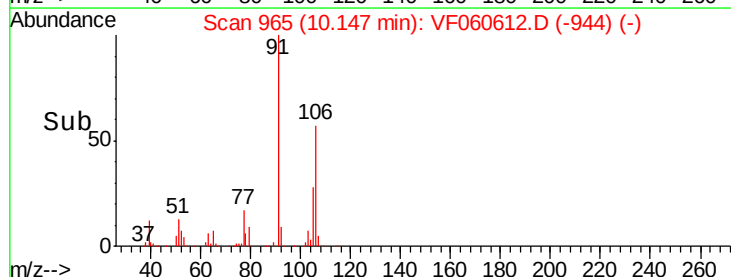
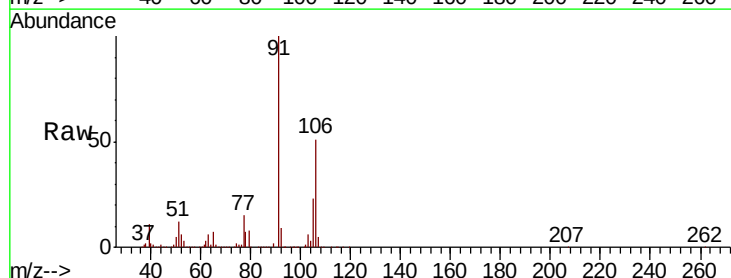
Acq: 6 Nov 2018 14:33

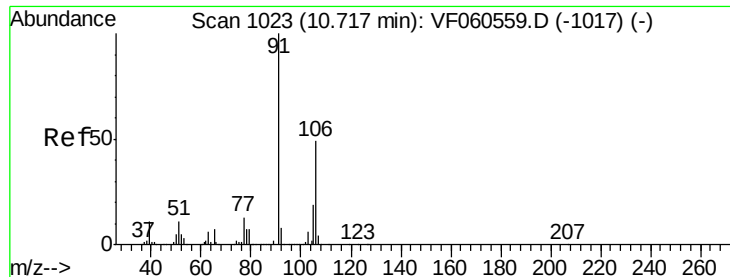
Tgt Ion: 106 Resp: 249950

Ion Ratio Lower Upper

106 100

91 194.7 153.9 230.9





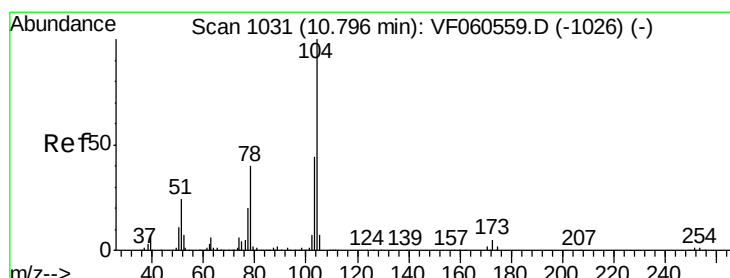
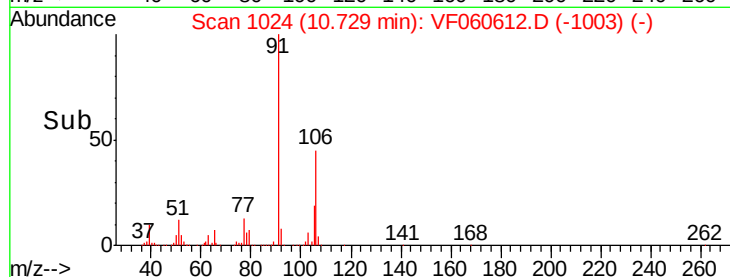
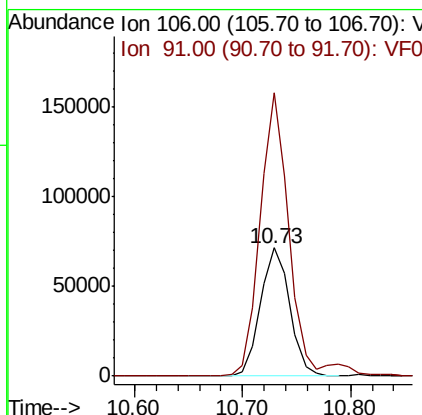
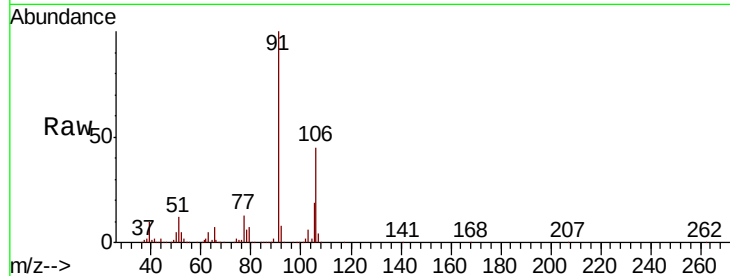
#69
o-Xylene
Concen: 22.466 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. 0.01 min
Lab File: VF060612.D
Acq: 6 Nov 2018 14:33

Instrument :
MSVOA_F
ClientSampleId :
VF1106SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		136521		
91	220.8	101.8	305.3		

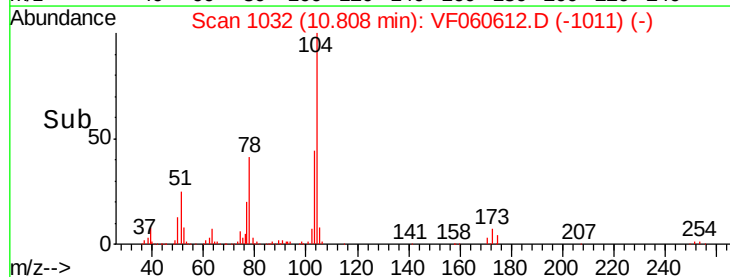
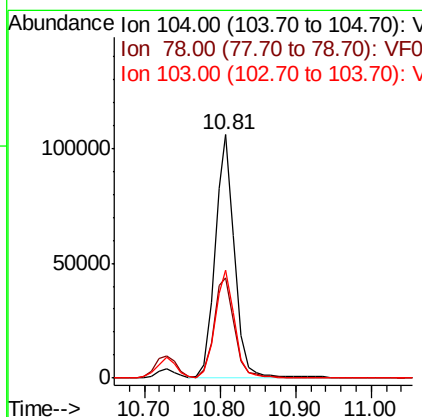
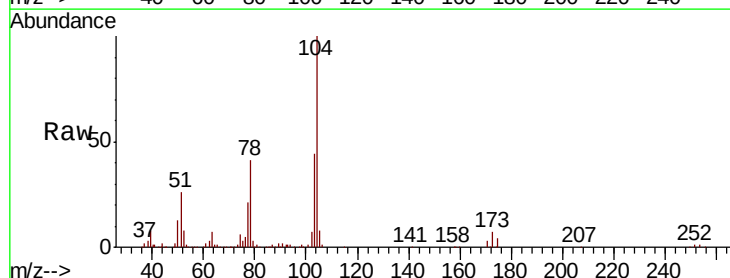
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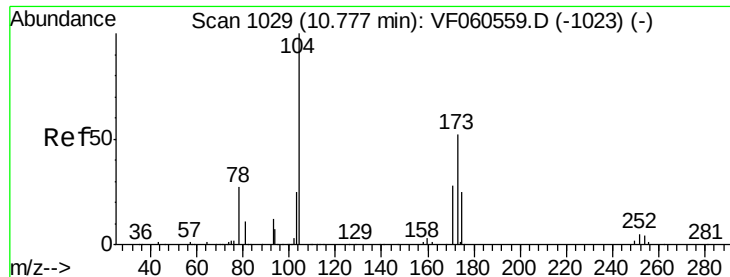
apatel
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#70
Styrene
Concen: 21.538 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VF060612.D
Acq: 6 Nov 2018 14:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		189612		
78	40.9	32.6	49.0		
103	44.1	35.2	52.8		





#71

Bromoform

Concen: 21.642 ug/l

RT: 10.79 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

Instrument :

MSVOA_F

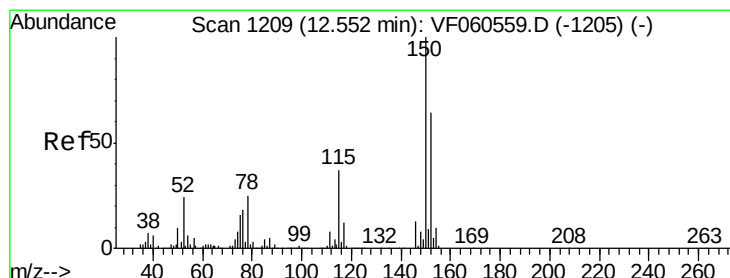
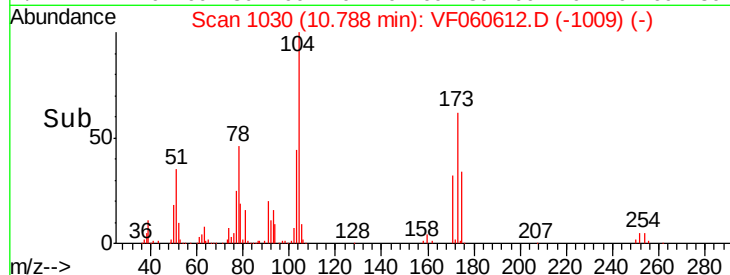
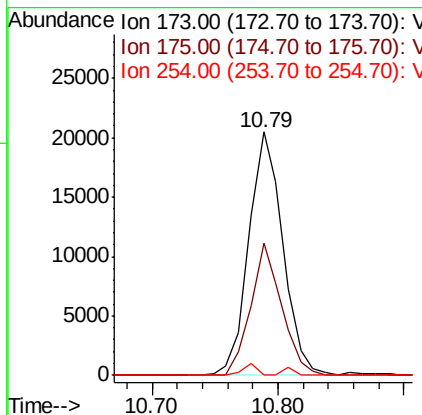
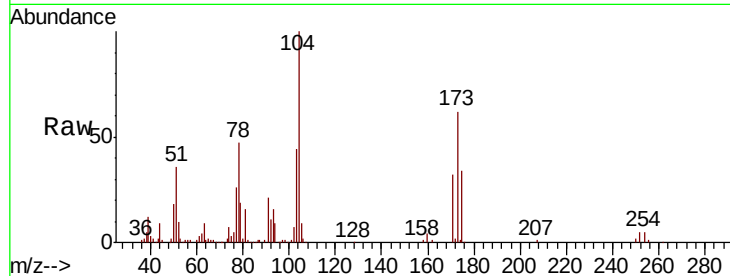
ClientSampleId :

VF1106SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	55.0	24.3	72.9
254	0.0	6.7	10.1

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

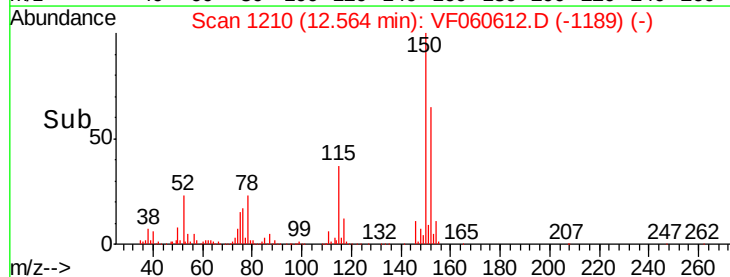
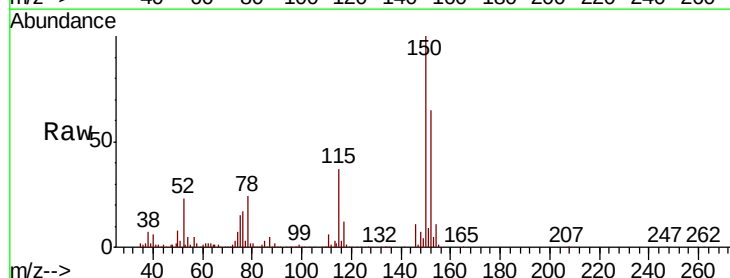
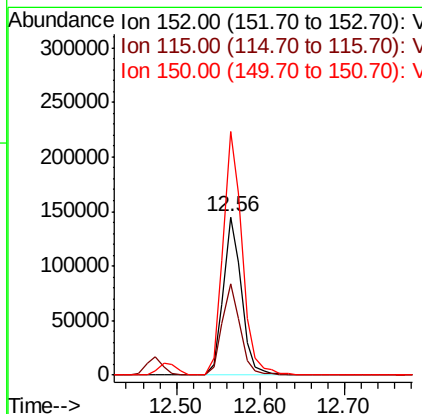
RT: 12.56 min Scan# 1210

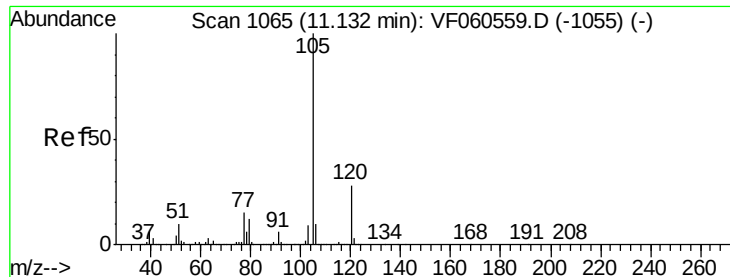
Delta R.T. 0.01 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	29.6	88.8
150	153.9	0.0	315.6





#73

Isopropylbenzene

Concen: 22.542 ug/l

RT: 11.14 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

VF1106SBS01

Tot Ion:105 Resp: 385903

Ion Ratio Lower Upper

105 100

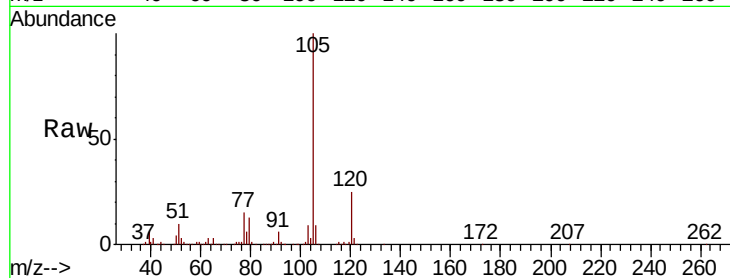
120 25.4 13.9 41.6

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

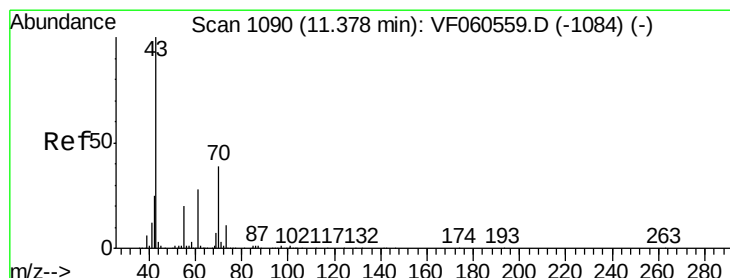
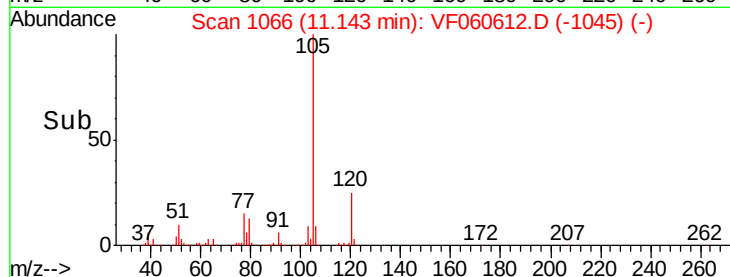
100000

50000

0

11.10 11.20

Time-->



#74

N-ethyl acetate

Concen: 22.110 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

Tgt Ion: 43 Resp: 104527

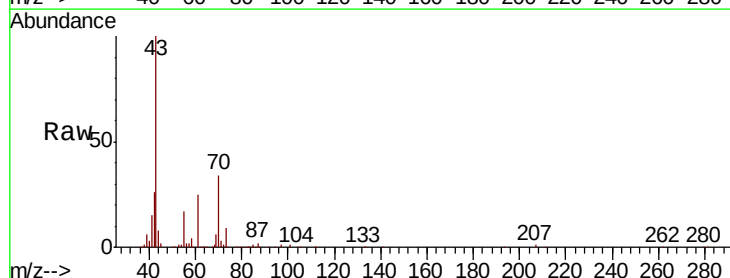
Ion Ratio Lower Upper

43 100

70 33.8 30.9 46.3

55 16.9 16.6 24.8

61 25.3 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

80000

60000

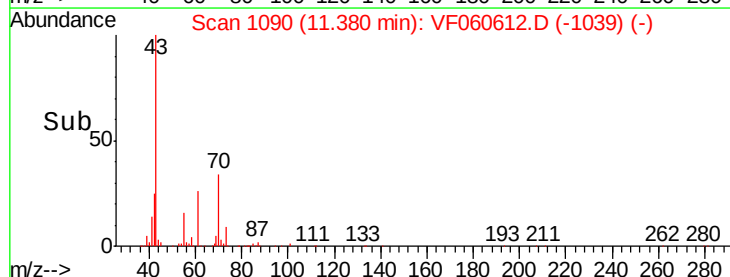
40000

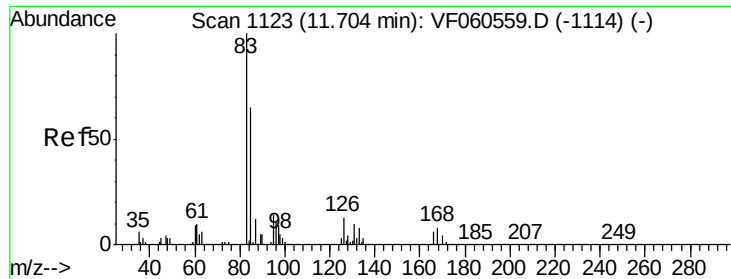
20000

0

11.30 11.40 11.50

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 25.659 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

Instrument :

MSVOA_F

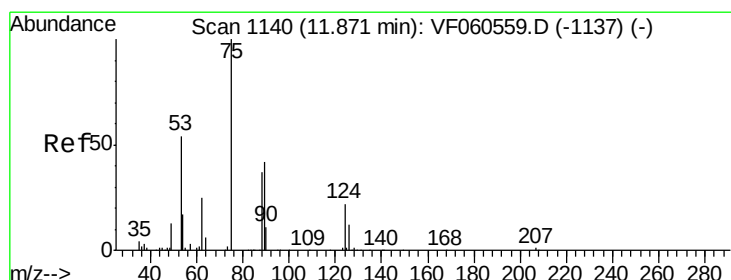
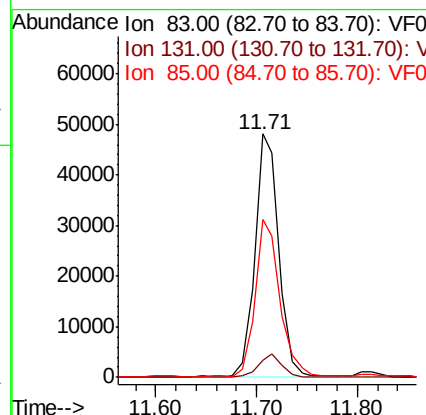
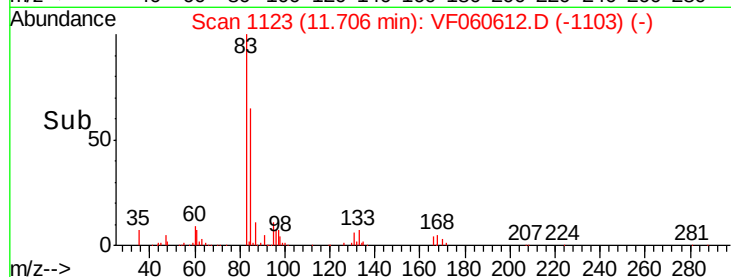
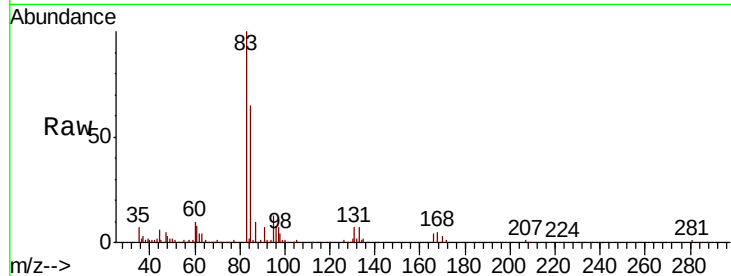
ClientSampleId :

VF1106SBS01

Tot Ion:	83	Resp:	80176
Ion Ratio	Lower	Upper	
83	100		
131	6.9	5.0	14.9
85	64.6	32.9	98.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.600 ug/l

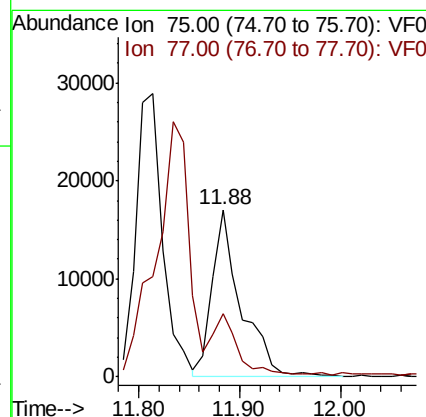
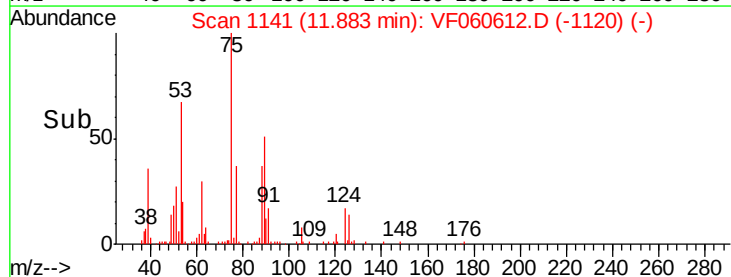
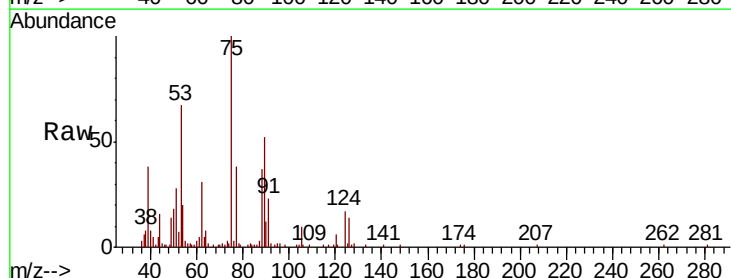
RT: 11.88 min Scan# 1141

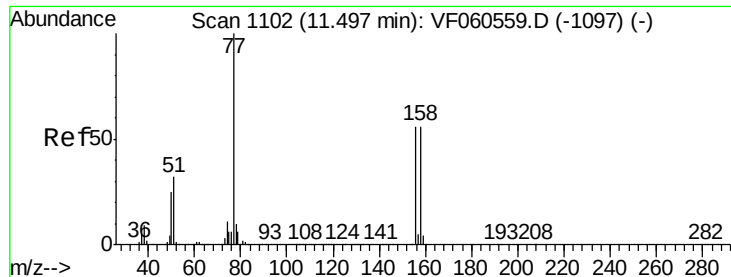
Delta R.T. 0.01 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

Tgt Ion:	75	Resp:	34705
Ion Ratio	Lower	Upper	
75	100		
77	38.2	17.4	52.3





#77

Bromobenzene

Concen: 21.872 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

Instrument :

MSVOA_F

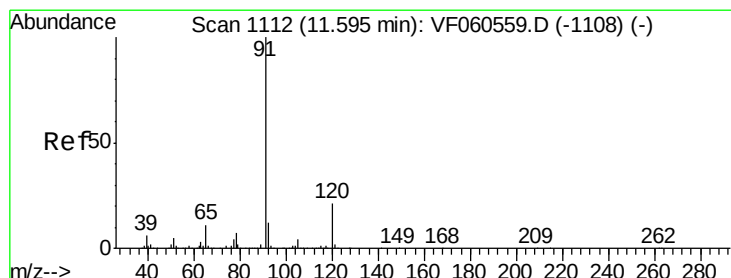
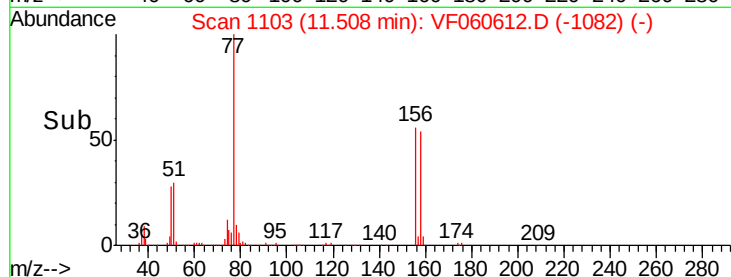
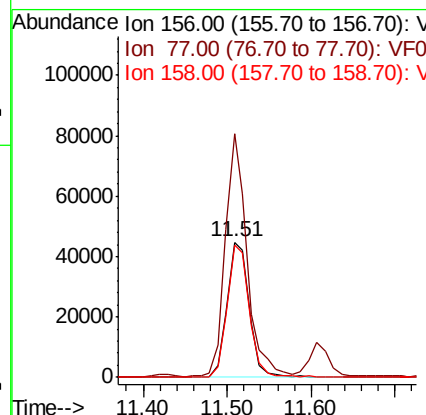
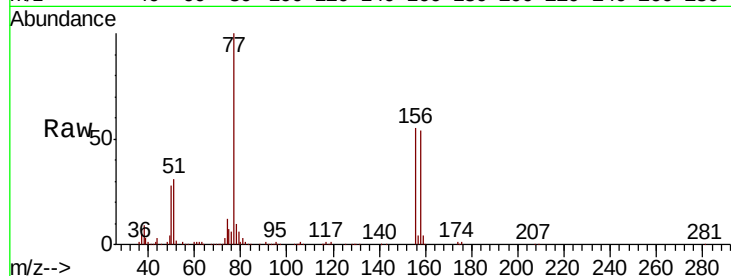
ClientSampled :

VF1106SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	180.4	89.3	268.1
158	97.8	50.0	150.1

Manual Integrations
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#78

n-propylbenzene

Concen: 22.077 ug/l

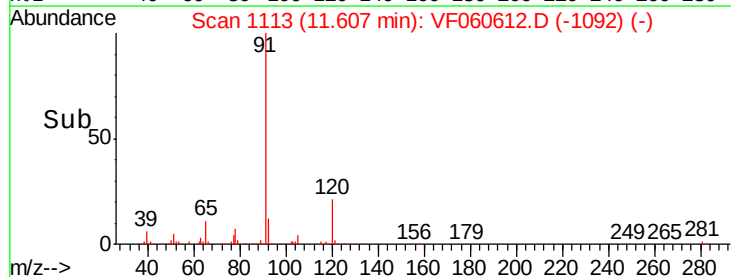
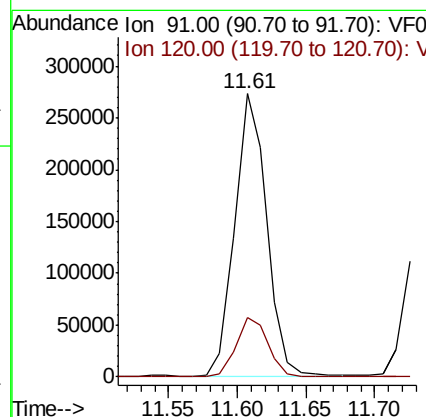
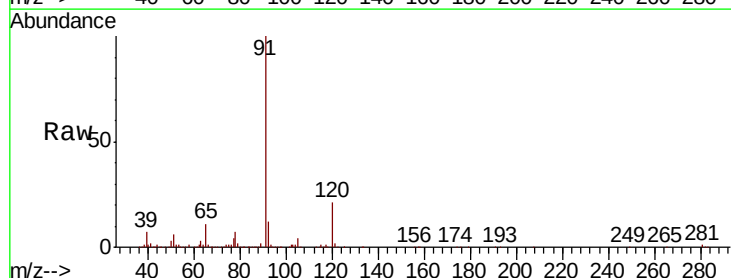
RT: 11.61 min Scan# 1113

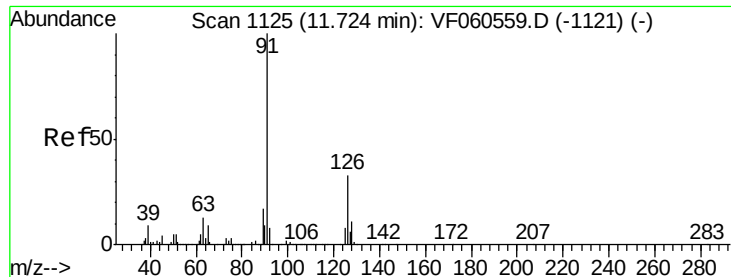
Delta R.T. 0.01 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.1	10.5	31.6





#79

2-Chlorotoluene

Concen: 22.909 ug/l

RT: 11.74 min Scan# 1126

Delta R.T. 0.01 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

VF1106SBS01

Tot Ion: 91 Resp: 262044

Ion Ratio Lower Upper

91 100

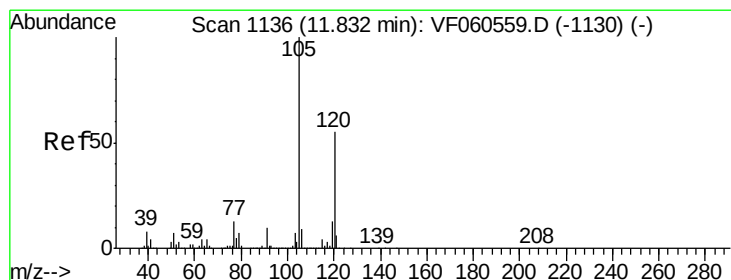
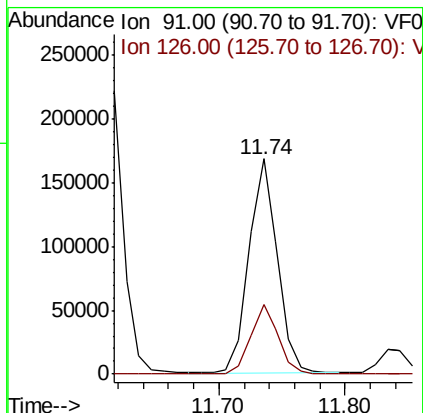
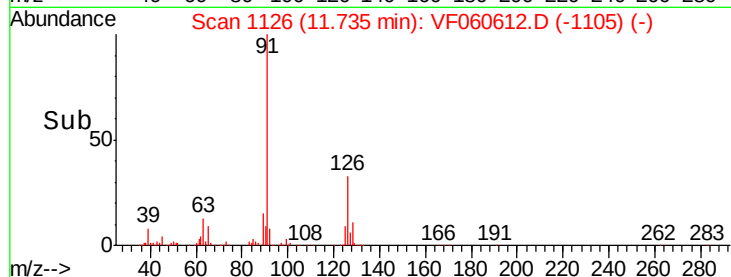
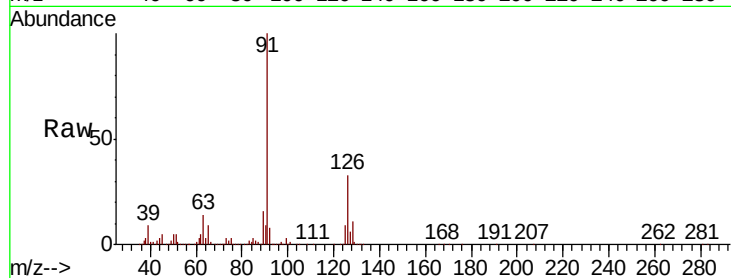
126 32.6 16.5 49.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.860 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VF060612.D

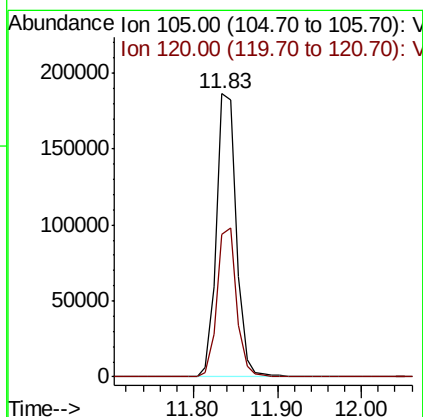
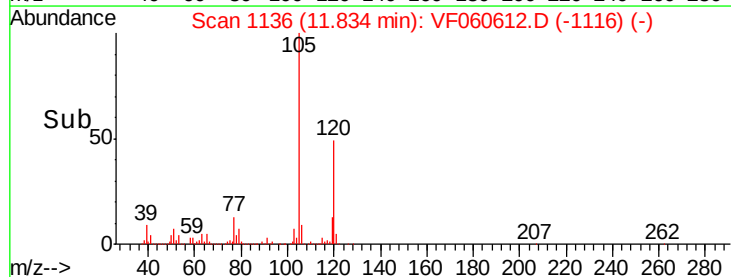
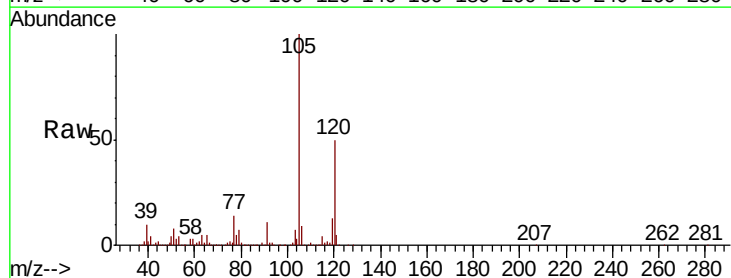
Acq: 6 Nov 2018 14:33

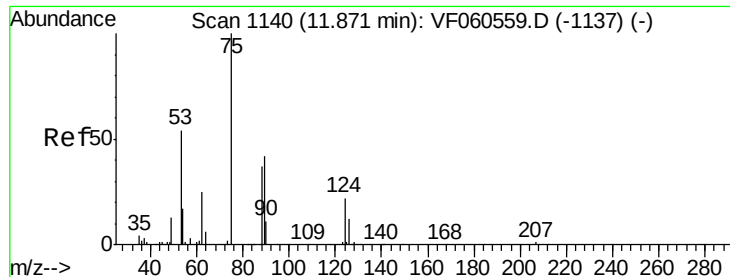
Tgt Ion: 105 Resp: 308462

Ion Ratio Lower Upper

105 100

120 50.5 27.6 82.8





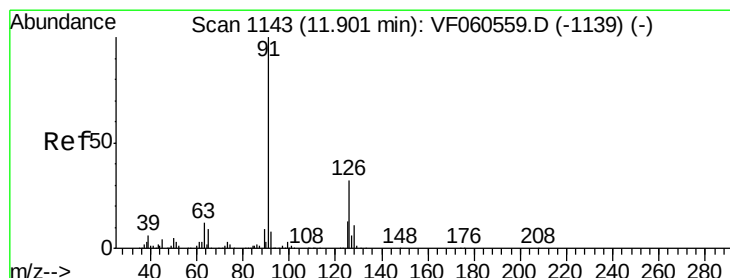
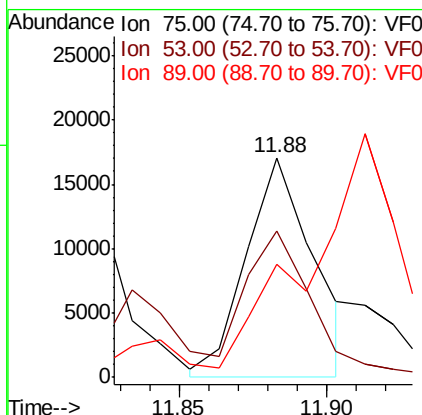
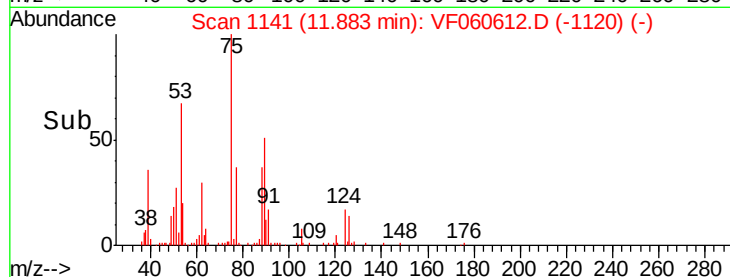
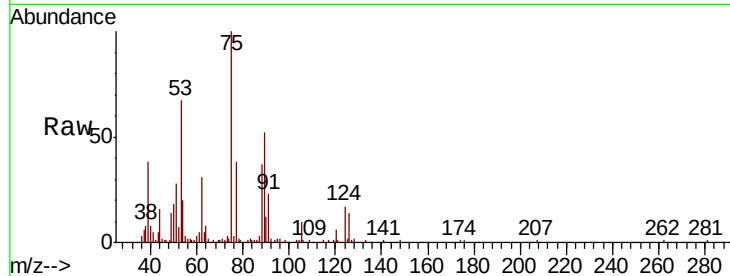
#81
trans-1,4-Dichloro-2-butene
Concen: 22.449 ug/l m
RT: 11.88 min Scan# 1141
Delta R.T. 0.01 min
Lab File: VF060612.D
Acq: 6 Nov 2018 14:33

Instrument :
MSVOA_F
ClientSampleId :
VF1106SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	66.7	51.6	77.4
89	51.6	36.7	55.1

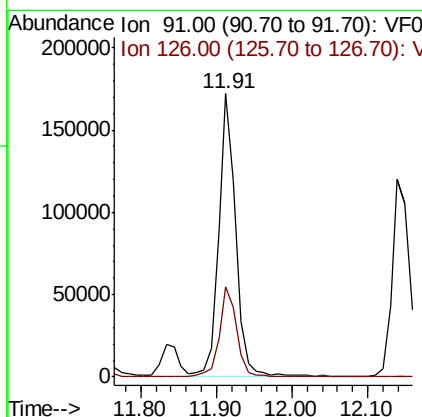
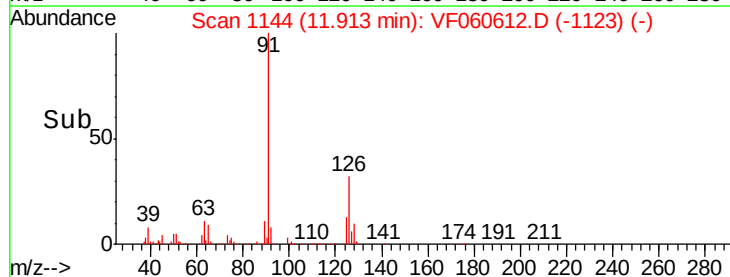
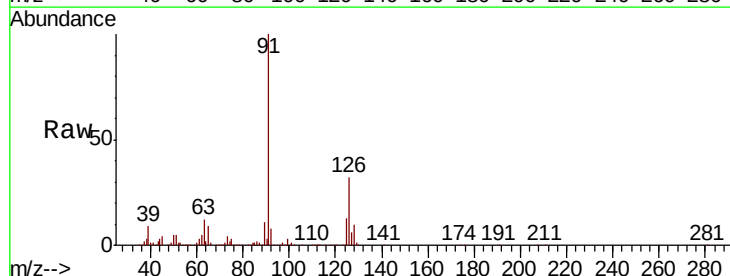
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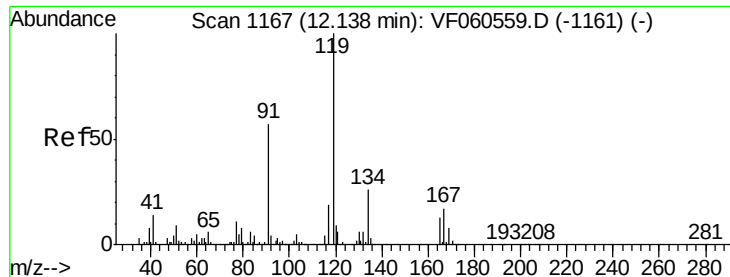
apatel
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#82
4-Chlorotoluene
Concen: 22.302 ug/l
RT: 11.91 min Scan# 1144
Delta R.T. 0.01 min
Lab File: VF060612.D
Acq: 6 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.9	47.7





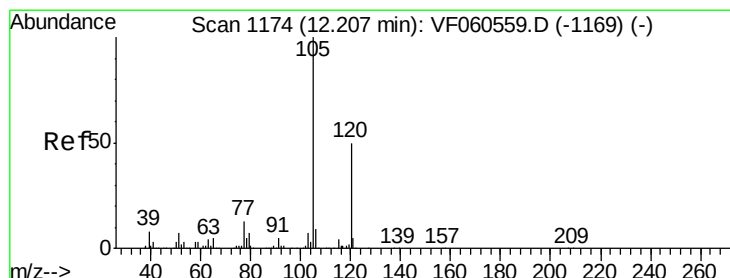
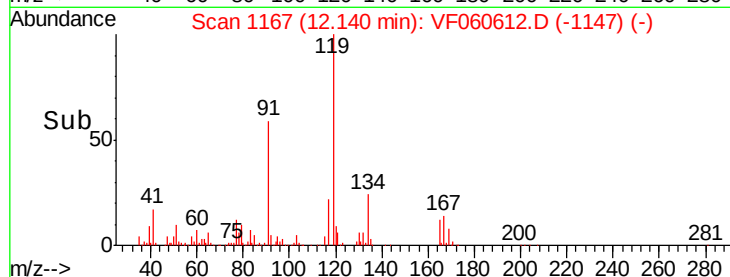
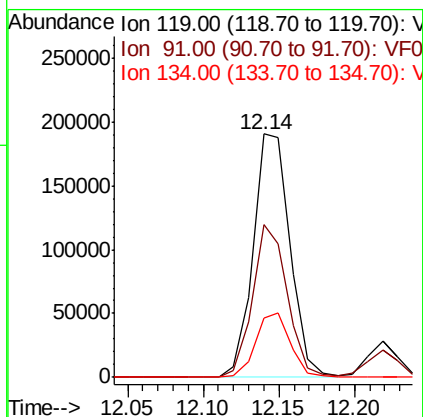
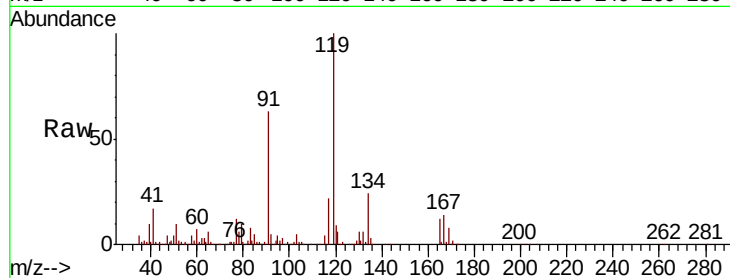
#83
tert-Butylbenzene
Concen: 22.549 ug/l
RT: 12.14 min Scan# 1167
Delta R.T. 0.00 min
Lab File: VF060612.D
Acq: 6 Nov 2018 14:33

Instrument :
MSVOA_F
ClientSampleId :
VF1106SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.8	28.8	86.4
134	24.3	13.2	39.6

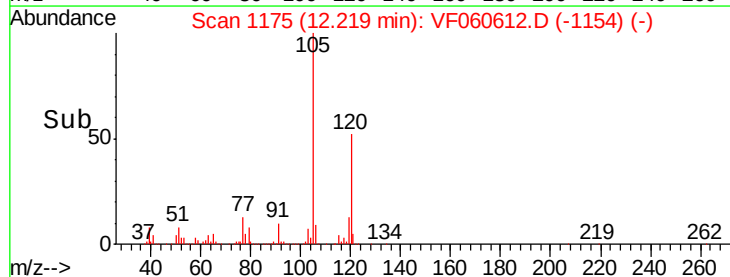
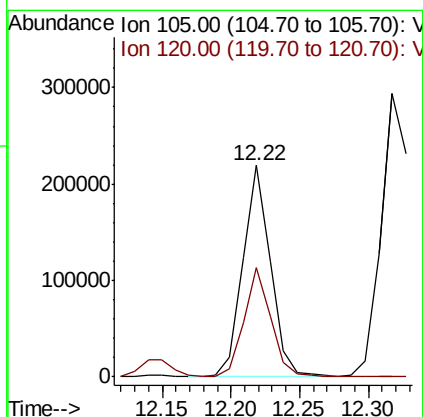
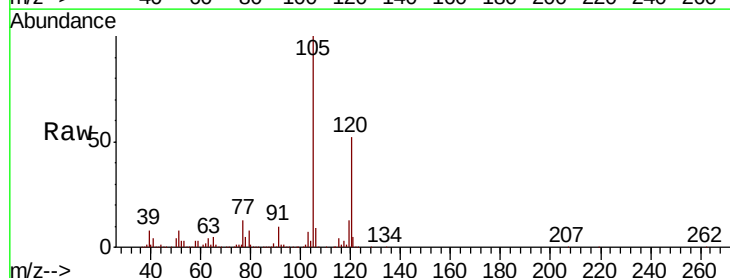
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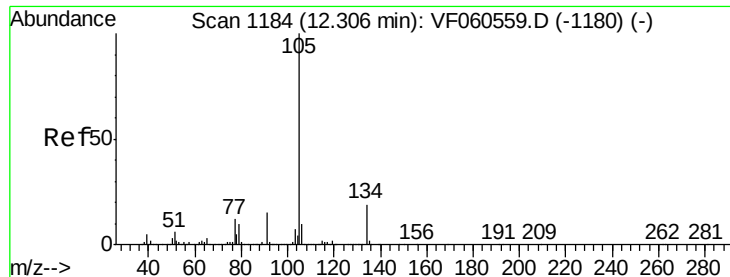
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#84
1,2,4-Trimethylbenzene
Concen: 22.340 ug/l
RT: 12.22 min Scan# 1175
Delta R.T. 0.01 min
Lab File: VF060612.D
Acq: 6 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.8	25.6	76.8





#85

sec-Butylbenzene

Concen: 22.646 ug/l

RT: 12.32 min Scan# 1185

Delta R.T. 0.01 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

VF1106SBS01

Tot Ion:105 Resp: 449076

Ion Ratio Lower Upper

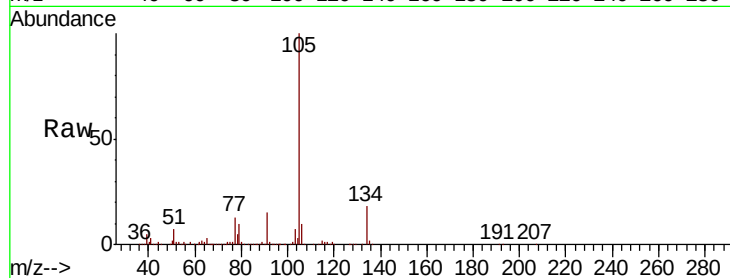
105 100

134 18.3 9.7 29.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.32

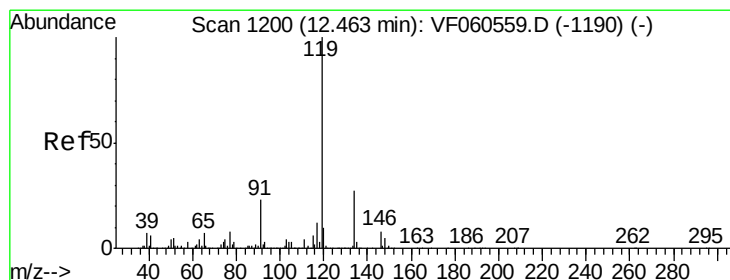
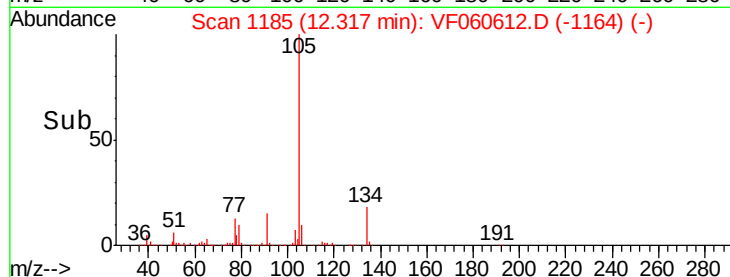
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 22.512 ug/l

RT: 12.48 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VF060612.D

Acq: 6 Nov 2018 14:33

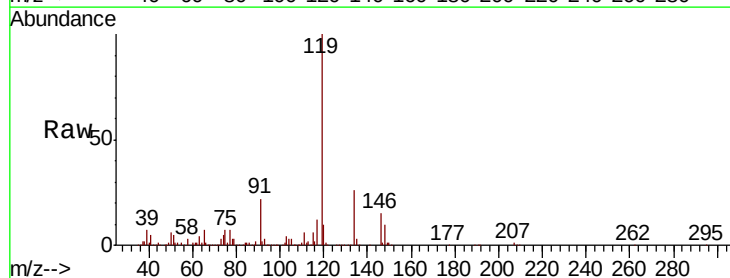
Tgt Ion:119 Resp: 367619

Ion Ratio Lower Upper

119 100

134 26.0 13.6 40.7

91 22.3 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.48

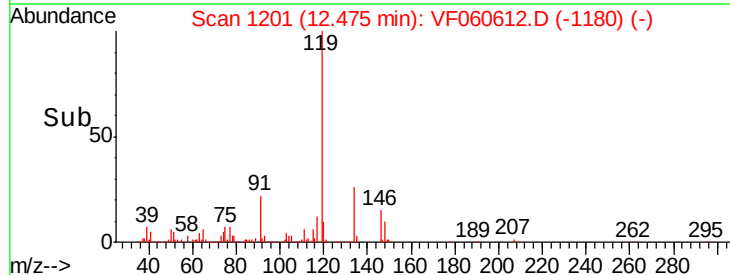
300000

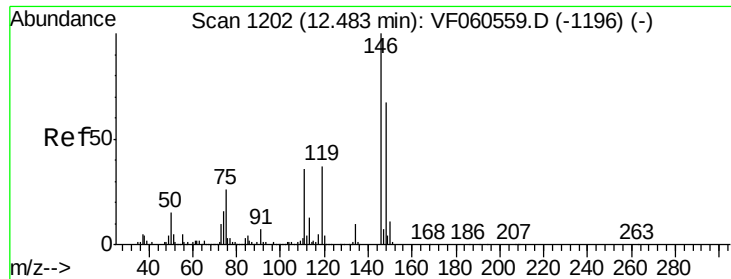
200000

100000

0

Time-->





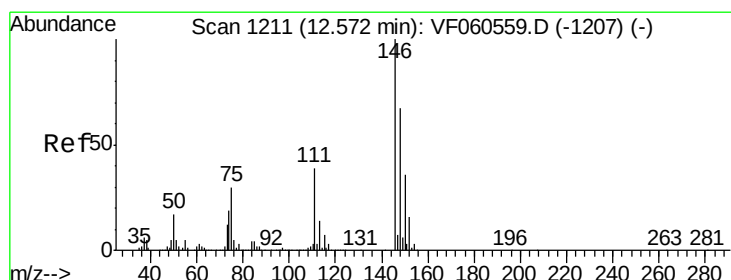
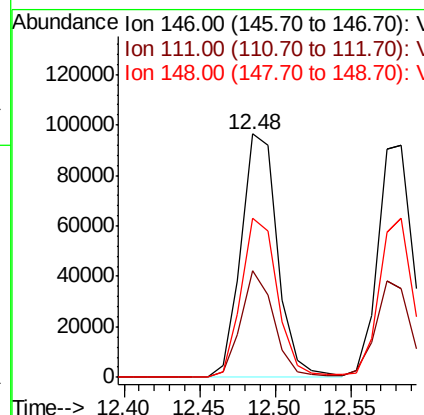
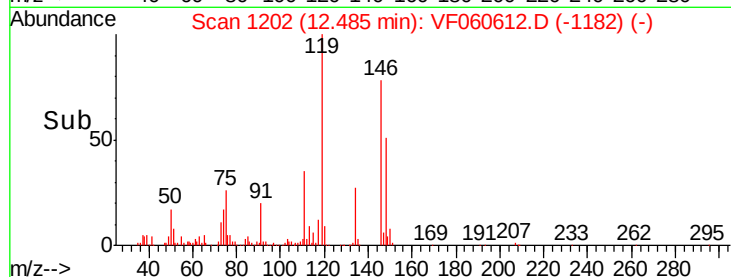
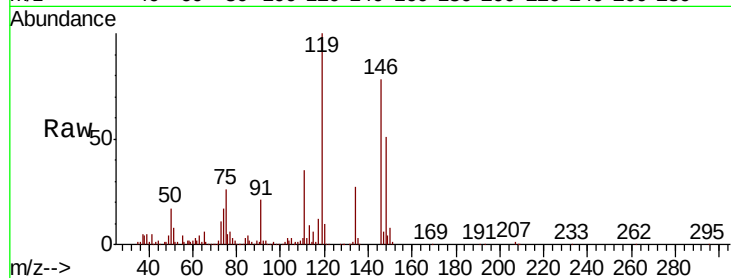
#87
 1,3-Dichlorobenzene
 Concen: 22.074 ug/l
 RT: 12.48 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VF060612.D
 Acq: 6 Nov 2018 14:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1106SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	18.3	54.8
148	65.3	33.5	100.4

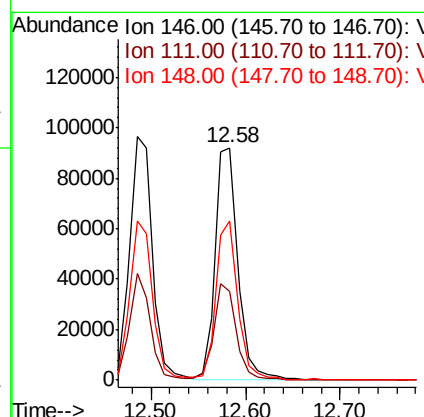
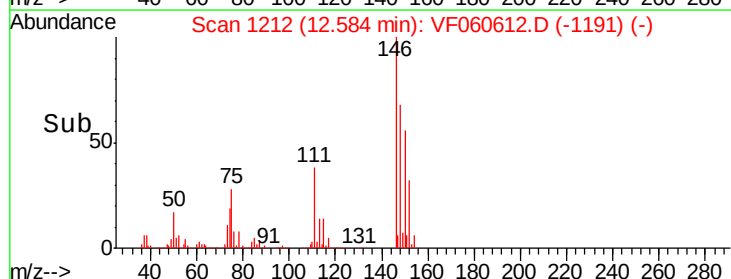
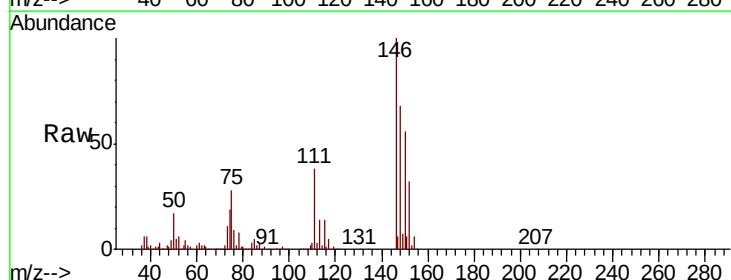
Manual Integrations
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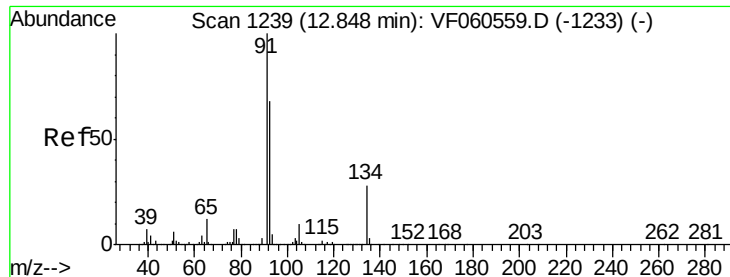
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 22.249 ug/l
 RT: 12.58 min Scan# 1212
 Delta R.T. 0.01 min
 Lab File: VF060612.D
 Acq: 6 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.7	59.1
148	68.2	33.7	101.1





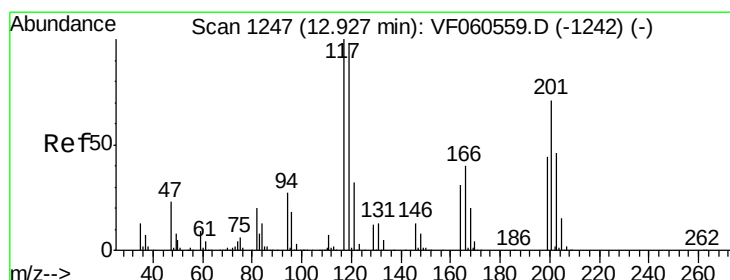
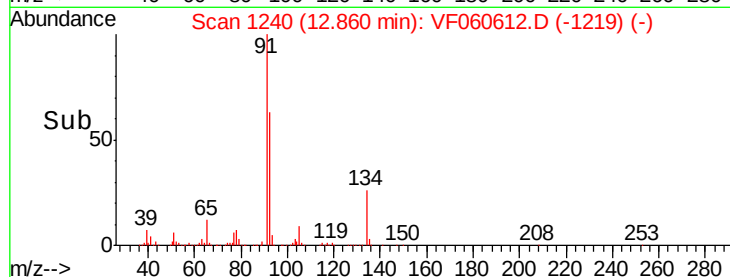
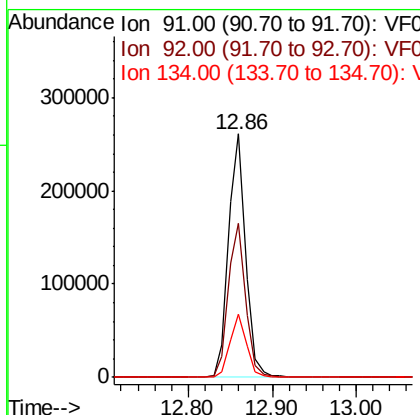
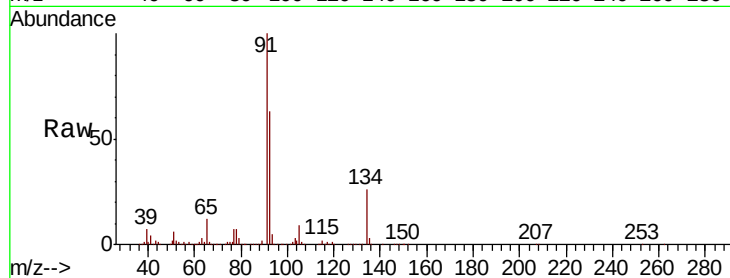
#89
n-Butylbenzene
Concen: 20.669 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VF060612.D
Acq: 6 Nov 2018 14:33

Instrument :
MSVOA_F
ClientSampleId :
VF1106SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	63.2	34.1	102.2
134	25.8	13.9	41.6

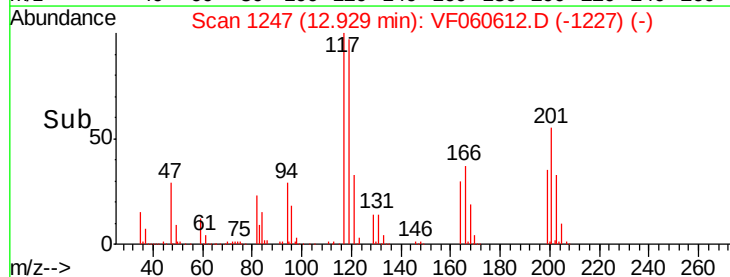
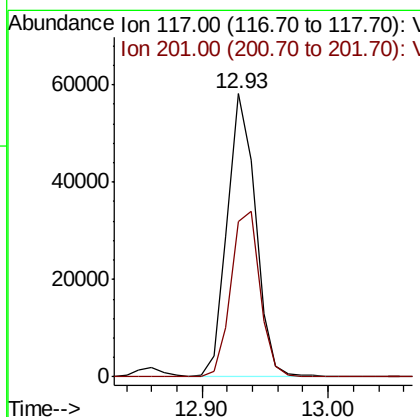
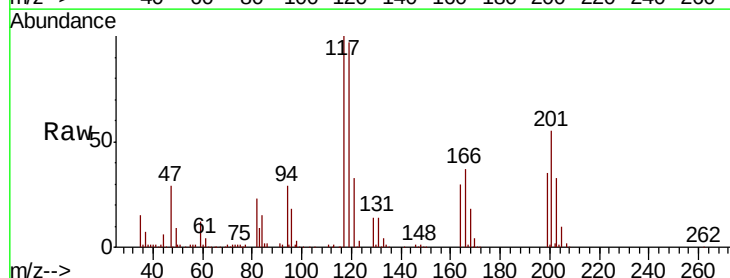
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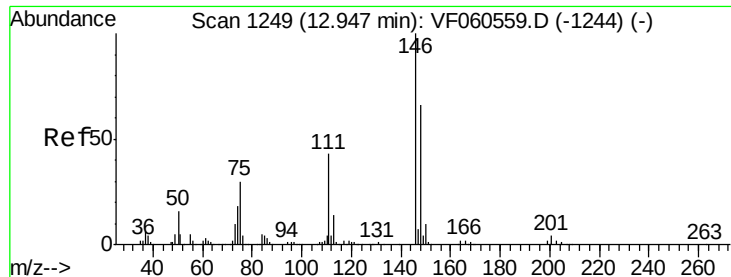
apatel
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#90
Hexachloroethane
Concen: 21.809 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. 0.00 min
Lab File: VF060612.D
Acq: 6 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	54.7	35.2	105.6





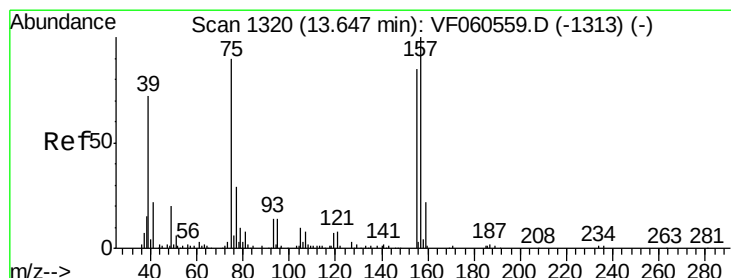
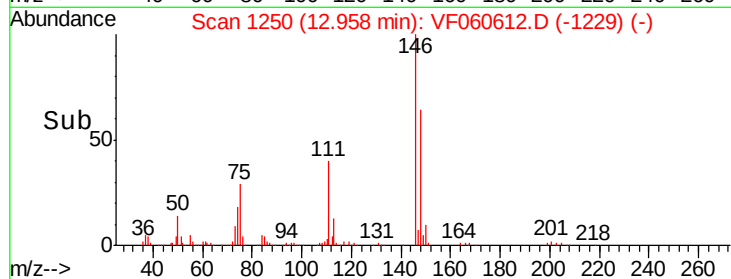
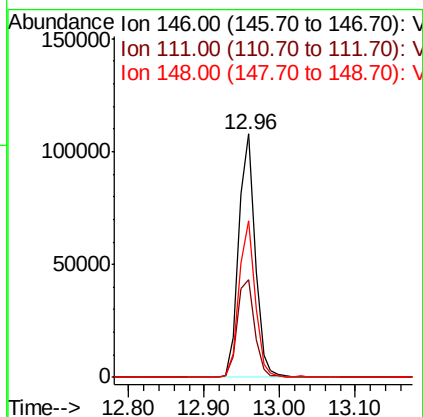
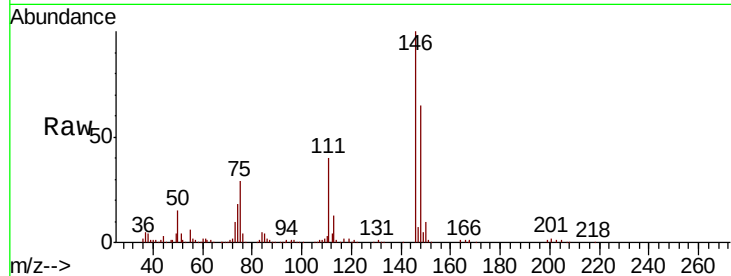
#91
 1,2-Dichlorobenzene
 Concen: 23.175 ug/l
 RT: 12.96 min Scan# 1250
 Delta R.T. 0.01 min
 Lab File: VF060612.D
 Acq: 6 Nov 2018 14:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1106SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	159408		
111	40.0	21.3	64.0	
148	64.5	32.9	98.7	

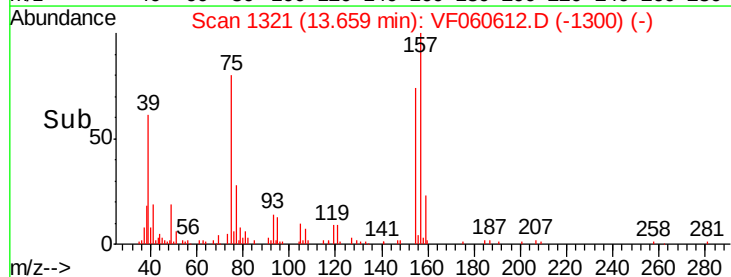
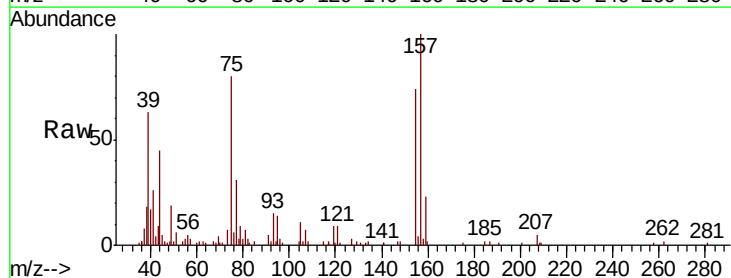
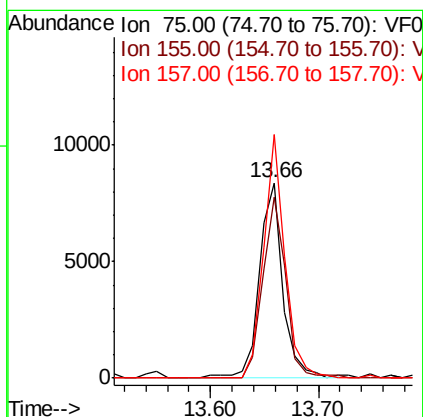
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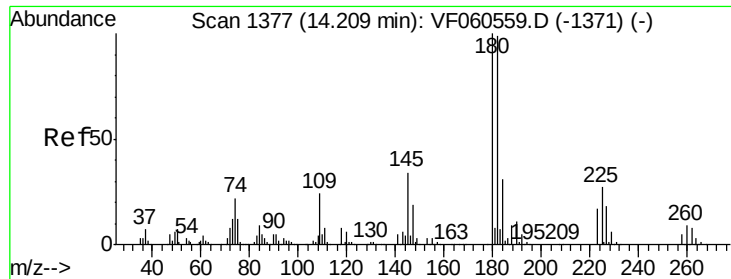
apatel
 11/7/2018 11:21:31 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.615 ug/l
 RT: 13.66 min Scan# 1321
 Delta R.T. 0.01 min
 Lab File: VF060612.D
 Acq: 6 Nov 2018 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	12820		
155	92.7	47.3	141.8	
157	124.7	55.3	165.9	





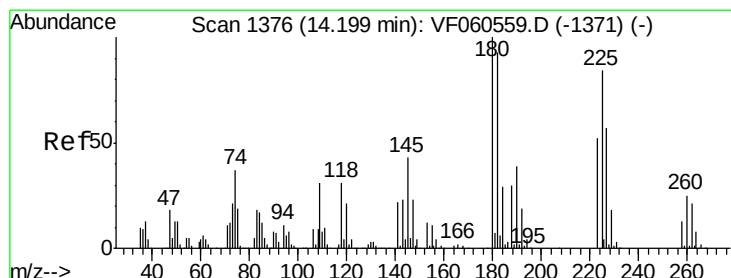
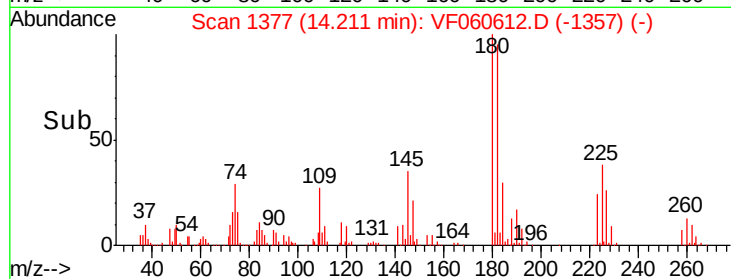
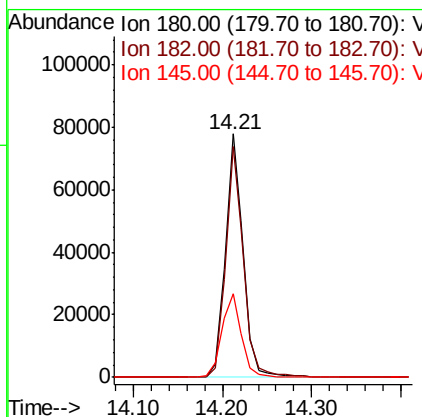
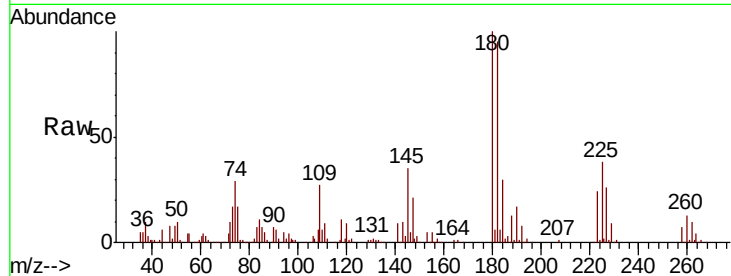
#93
 1,2,4-Trichlorobenzene
 Concen: 23.601 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VF060612.D
 Acq: 6 Nov 2018 14:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1106SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	110285		
182	94.6	49.7	149.1	
145	34.5	16.9	50.7	

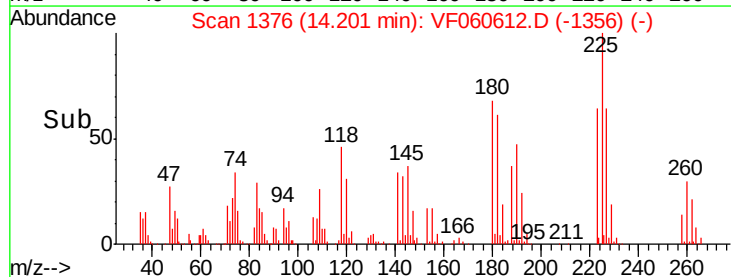
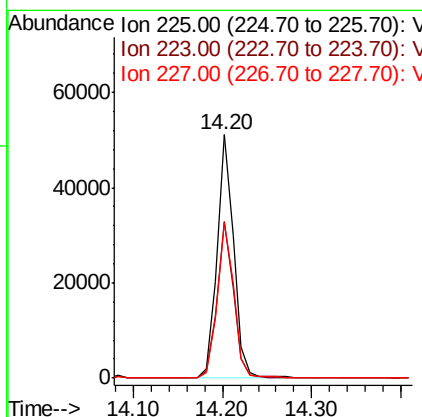
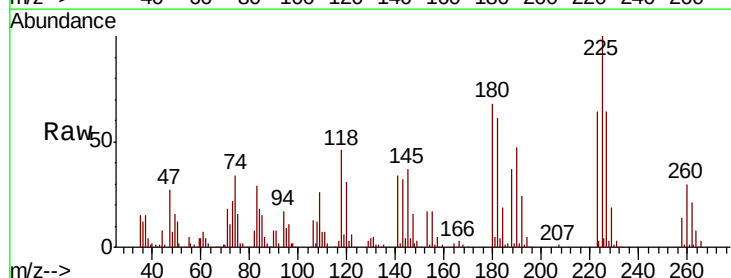
Manual Integrations
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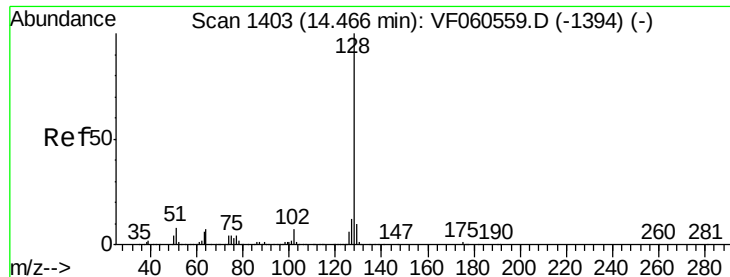
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#94
 Hexachlorobutadiene
 Concen: 22.007 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VF060612.D
 Acq: 6 Nov 2018 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66636		
223	64.4	30.9	92.5	
227	63.6	33.9	101.6	





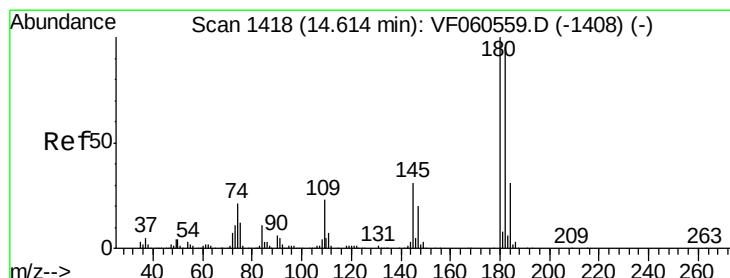
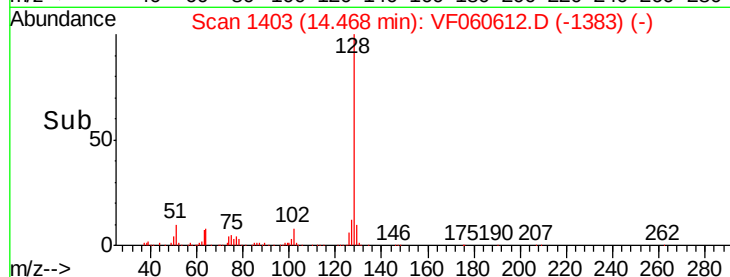
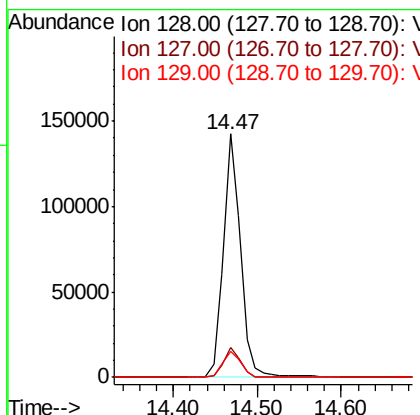
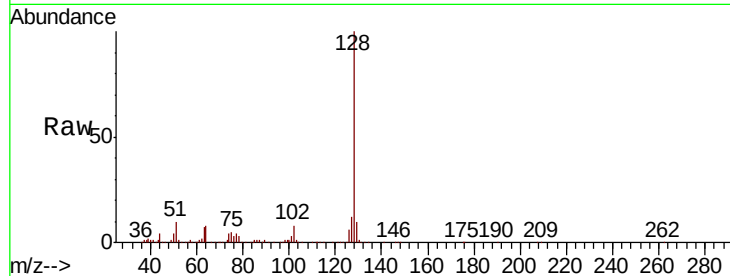
#95
Naphthalene
Concen: 21.679 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. 0.00 min
Lab File: VF060612.D
Acq: 6 Nov 2018 14:33

Instrument :
MSVOA_F
ClientSampleId :
VF1106SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	202759		
127	12.1		9.4	14.0
129	10.5		8.4	12.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 22.656 ug/l
RT: 14.62 min Scan# 1418
Delta R.T. 0.00 min
Lab File: VF060612.D
Acq: 6 Nov 2018 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	100008		
182	98.2		47.3	142.0
145	34.3		15.6	46.8

