

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111418\
 Data File : VF060722.D
 Acq On : 14 Nov 2018 13:40
 Operator : VA/AP
 Sample : VF1114SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1114SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/15/2018 2:36:20 PM

Quant Time: Nov 15 06:56:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	215233	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.58	114	344930	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.76	117	335861	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	189087	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	115987	47.25	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	94.50%	
35) Dibromofluoromethane	4.09	113	136190	52.53	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	105.06%	
50) Toluene-d8	7.53	98	365384	55.31	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	110.62%	
62) 4-Bromofluorobenzene	11.40	95	178101	58.75	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	117.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	89684	23.28	ug/l	97
3) Chloromethane	1.09	50	59092	24.74	ug/l	99
4) Vinyl Chloride	1.14	62	50269	23.52	ug/l	97
5) Bromomethane	1.31	94	29093	21.43	ug/l	90
6) Chloroethane	1.37	64	18083	21.63	ug/l	100
7) Trichlorofluoromethane	1.49	101	100884m	21.35	ug/l	
8) Diethyl Ether	1.62	74	12294	20.30	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.81	101	50512	22.68	ug/l	92
10) Methyl Iodide	1.88	142	77421m	21.67	ug/l	
11) Tert butyl alcohol	2.55	59	12122	108.50	ug/l	94
12) 1,1-Dichloroethene	1.77	96	40334	22.97	ug/l	96
13) Acrolein	1.99	56	11691	114.44	ug/l	94
14) Allyl chloride	2.09	41	68499	22.27	ug/l	88
15) Acrylonitrile	2.93	53	27665	116.20	ug/l	# 94
16) Acetone	2.23	43	54035	102.98	ug/l	94
17) Carbon Disulfide	1.81	76	117691m	22.18	ug/l	
18) Methyl Acetate	2.33	43	21599m	25.07	ug/l	
19) Methyl tert-butyl Ether	2.41	73	88154	20.93	ug/l	98
20) Methylene Chloride	2.17	84	46401m	25.19	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	43019	23.45	ug/l	94
22) Diisopropyl ether	2.79	45	133307	22.45	ug/l	99
23) Vinyl Acetate	3.17	43	319089	114.10	ug/l	98
24) 1,1-Dichloroethane	2.86	63	81928	22.79	ug/l	97
25) 2-Butanone	4.31	43	97098	112.50	ug/l	98
26) 2,2-Dichloropropane	3.58	77	61563	21.76	ug/l	90
27) cis-1,2-Dichloroethene	3.46	96	69616	22.31	ug/l	90
28) Bromochloromethane	3.69	49	41251	22.08	ug/l	96
29) Tetrahydrofuran	4.05	42	39334	110.48	ug/l	97
30) Chloroform	3.84	83	121549	21.07	ug/l	93
31) Cyclohexane	3.68	56	97744	22.40	ug/l	97
32) 1,1,1-Trichloroethane	4.08	97	100078	22.03	ug/l	99
36) 1,1-Dichloropropene	4.26	75	94160	23.54	ug/l	95
37) Ethyl Acetate	4.09	43	35736	24.03	ug/l	85
38) Carbon Tetrachloride	3.97	117	82088	21.15	ug/l	92

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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	5.43	83	106893	23.03	ug/l	96
40) Benzene	4.61	78	211916	23.76	ug/l	100
41) Methacrylonitrile	4.72	41	18258	20.47	ug/l #	92
42) 1,2-Dichloroethane	4.92	62	67190	21.80	ug/l	93
43) Isopropyl Acetate	6.94	43	38563	19.56	ug/l #	91
44) Trichloroethene	5.48	130	63146	22.44	ug/l	94
45) 1,2-Dichloropropane	6.21	63	53252	22.95	ug/l	98
46) Dibromomethane	6.06	93	34613	22.60	ug/l	96
47) Bromodichloromethane	6.37	83	84553	21.62	ug/l	97
48) Methyl methacrylate	6.70	41	27187	20.83	ug/l	97
49) 1,4-Dioxane	6.68	88	6225	510.03	ug/l	90
51) 4-Methyl-2-Pentanone	8.24	43	153593	107.70	ug/l	96
52) Toluene	7.60	92	121527	20.34	ug/l	98
53) t-1,3-Dichloropropene	8.26	75	69450	22.17	ug/l	100
54) cis-1,3-Dichloropropene	7.29	75	88663	21.79	ug/l	94
55) 1,1,2-Trichloroethane	8.47	97	36645	21.46	ug/l	95
56) Ethyl methacrylate	8.60	69	39173	20.20	ug/l	92
57) 1,3-Dichloropropane	8.83	76	64112	21.67	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.60	63	18983	107.17	ug/l	100
59) 2-Hexanone	9.48	43	105095	104.86	ug/l	95
60) Dibromochloromethane	8.70	129	52550	21.60	ug/l	98
61) 1,2-Dibromoethane	8.96	107	38917	21.67	ug/l	97
64) Tetrachloroethene	8.13	164	55124	20.73	ug/l	95
65) Chlorobenzene	9.78	112	137266	20.25	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.91	131	63467	21.47	ug/l	95
67) Ethyl Benzene	9.88	91	273755	21.43	ug/l	99
68) m/p-Xylenes	10.12	106	192169	42.09	ug/l	97
69) o-Xylene	10.70	106	108739	21.18	ug/l	97
70) Styrene	10.78	104	150154	21.56	ug/l	99
71) Bromoform	10.76	173	27823	20.93	ug/l	97
73) Isopropylbenzene	11.11	105	326176	21.43	ug/l	97
74) N-amyl acetate	11.36	43	74050	21.37	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	50031	19.88	ug/l	93
76) 1,2,3-Trichloropropane	11.78	75	41689	22.31	ug/l	95
77) Bromobenzene	11.49	156	66765	21.07	ug/l	90
78) n-propylbenzene	11.59	91	383431	21.60	ug/l	98
79) 2-Chlorotoluene	11.70	91	217900	21.12	ug/l	94
80) 1,3,5-Trimethylbenzene	11.81	105	228875	18.94	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	18263m	19.89	ug/l	
82) 4-Chlorotoluene	11.88	91	223564	21.15	ug/l	96
83) tert-Butylbenzene	12.12	119	293682	22.89	ug/l	96
84) 1,2,4-Trimethylbenzene	12.19	105	271040	21.69	ug/l	92
85) sec-Butylbenzene	12.30	105	382668	21.99	ug/l	99
86) p-Isopropyltoluene	12.44	119	323122	22.23	ug/l	95
87) 1,3-Dichlorobenzene	12.46	146	136550	21.66	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	128883	21.27	ug/l	95
89) n-Butylbenzene	12.83	91	333559	22.49	ug/l	95
90) Hexachloroethane	12.91	117	74859	21.06	ug/l	92
91) 1,2-Dichlorobenzene	12.93	146	122442	20.63	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.63	75	9463	20.01	ug/l	94

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QLast Update : Wed Nov 14 03:11:14 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	89616	21.00	ug/l	90
94) Hexachlorobutadiene	14.18	225	60710	21.77	ug/l	94
95) Naphthalene	14.45	128	152834	19.63	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	84594	21.46	ug/l	98

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

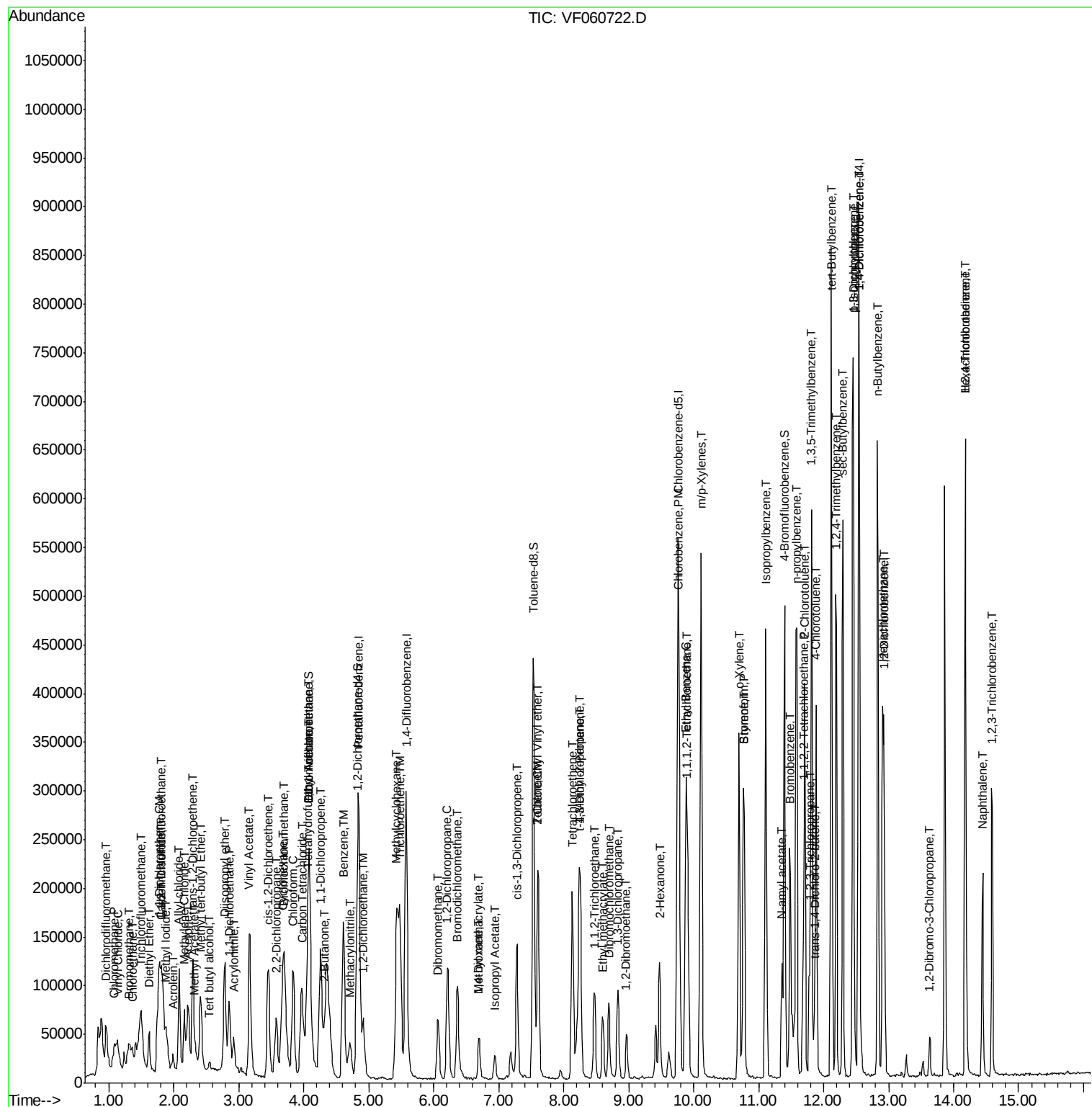
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF111418\
Data File : VF060722.D
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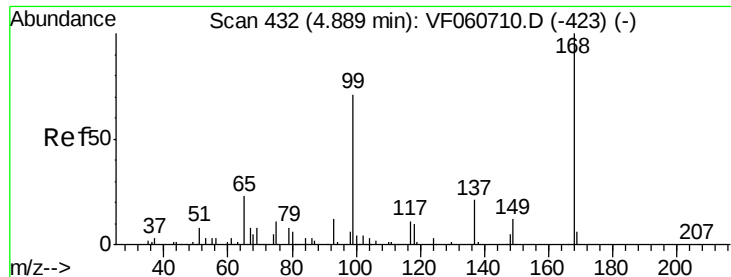
Instrument :
MSVOA_F
Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.04 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Instrument :

MSVOA_F

ClientSampleId :

VF1114SBS01

Tgt Ion: 168 Resp: 215233

Ion Ratio Lower Upper

168 100

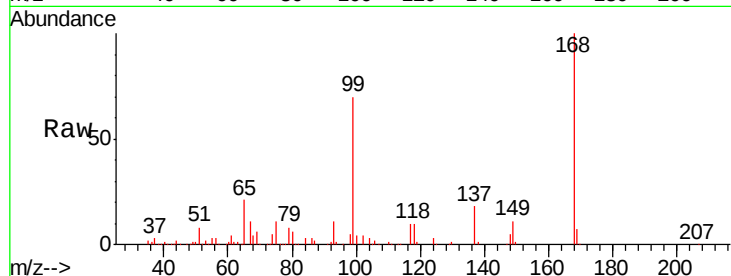
99 69.8 57.2 85.8

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

80000

60000

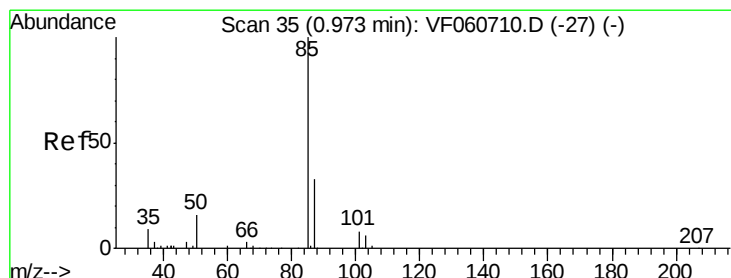
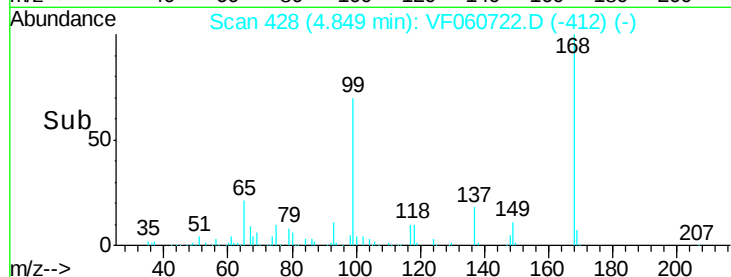
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 23.28 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.02 min

Lab File: VF060722.D

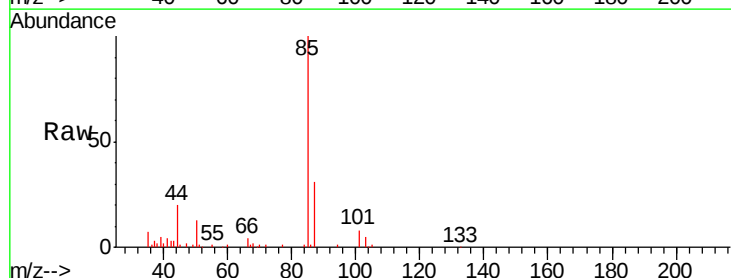
Acq: 14 Nov 2018 13:40

Tgt Ion: 85 Resp: 89684

Ion Ratio Lower Upper

85 100

87 31.1 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

30000

25000

20000

15000

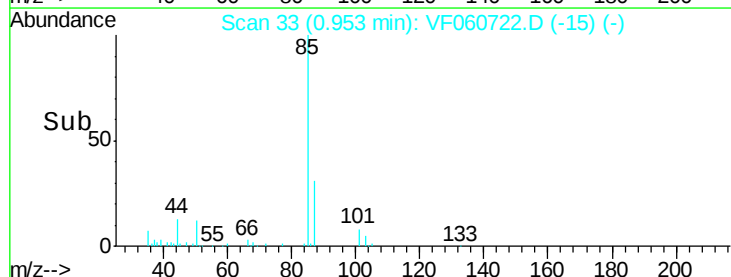
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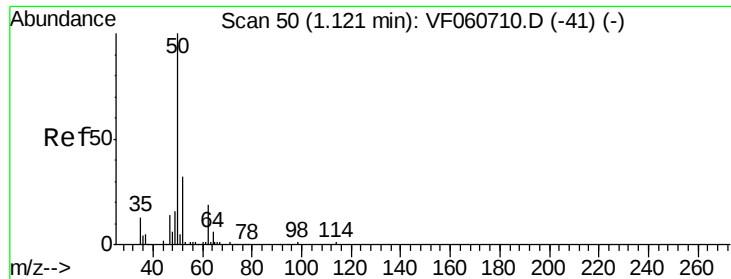
5000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 24.74 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.03 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Instrument :

MSVOA_F

ClientSampleId :

VF1114SBS01

Tgt Ion: 50 Resp: 59092

Ion Ratio Lower Upper

50 100

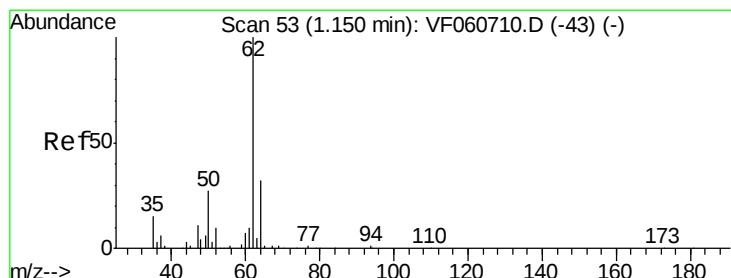
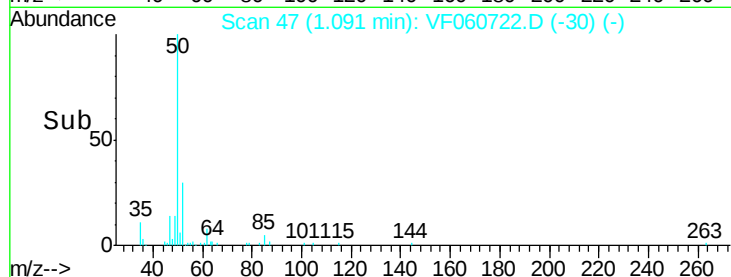
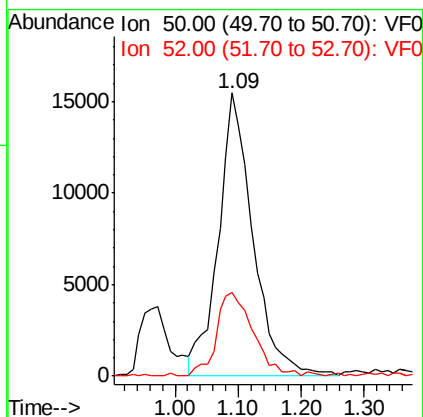
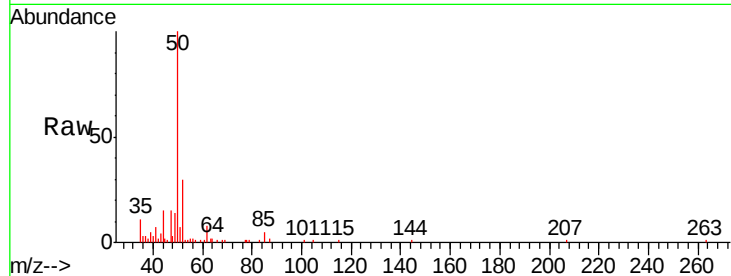
52 29.6 24.2 36.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 23.52 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF060722.D

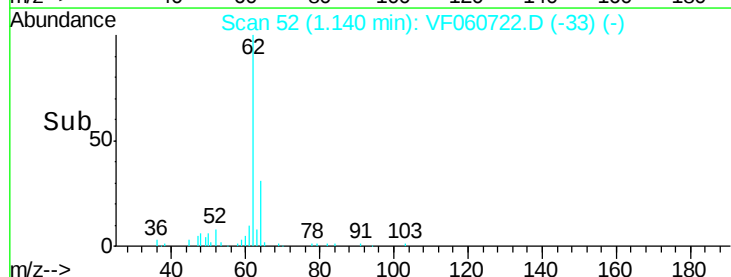
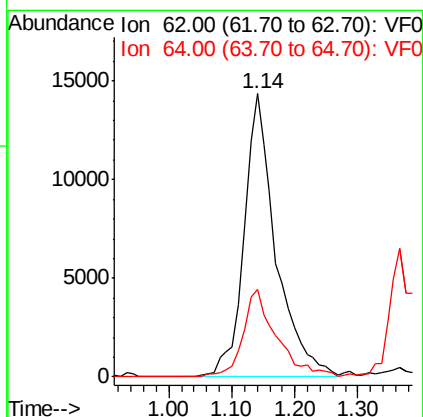
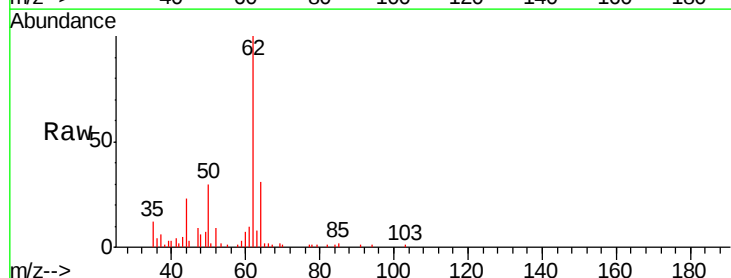
Acq: 14 Nov 2018 13:40

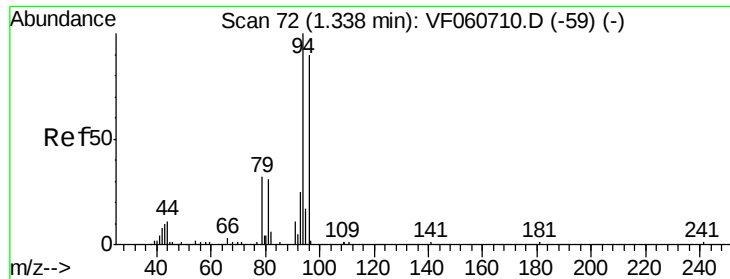
Tgt Ion: 62 Resp: 50269

Ion Ratio Lower Upper

62 100

64 30.8 25.8 38.8





#5

Bromomethane

Concen: 21.43 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.03 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Instrument :

MSVOA_F

ClientSampleId :

VF1114SBS01

Tgt Ion: 94 Resp: 29093

Ion Ratio Lower Upper

94 100

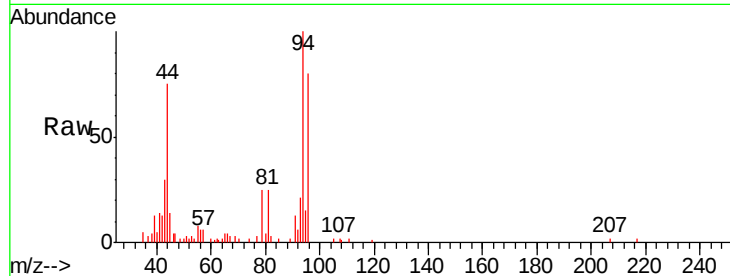
96 80.3 71.9 107.9

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

8000

6000

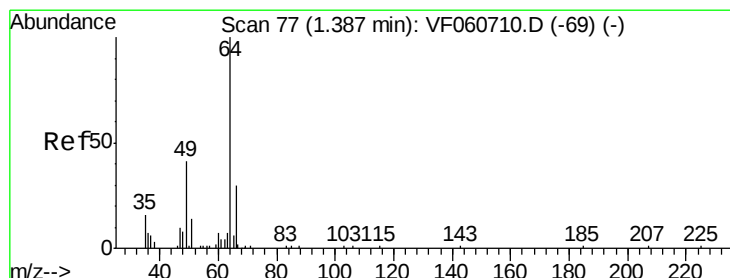
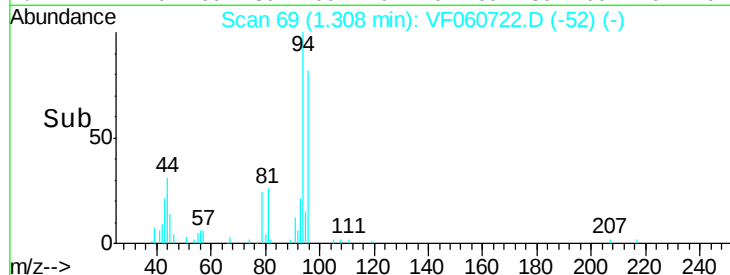
4000

2000

0

1.20 1.30 1.40 1.50

Time-->



#6

Chloroethane

Concen: 21.63 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.02 min

Lab File: VF060722.D

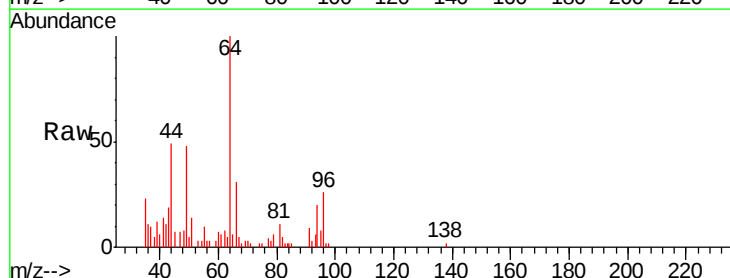
Acq: 14 Nov 2018 13:40

Tgt Ion: 64 Resp: 18083

Ion Ratio Lower Upper

64 100

66 30.8 24.8 37.2



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

6000

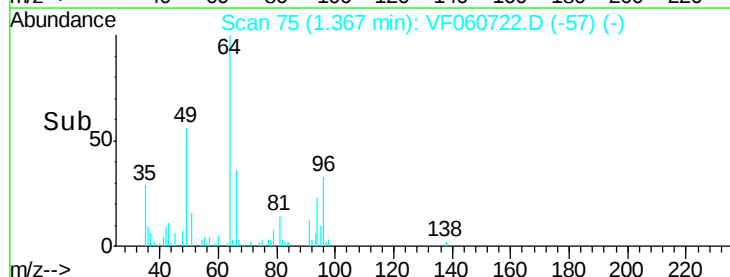
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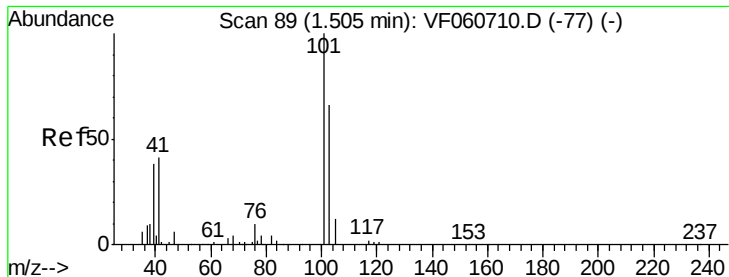
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0

1.20 1.30 1.40 1.50

Time-->





#7

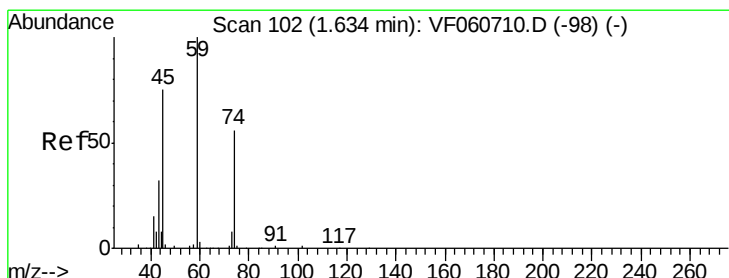
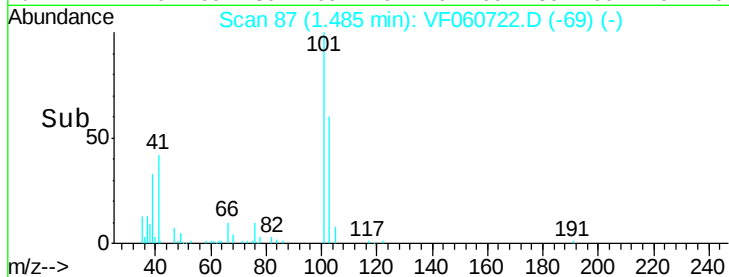
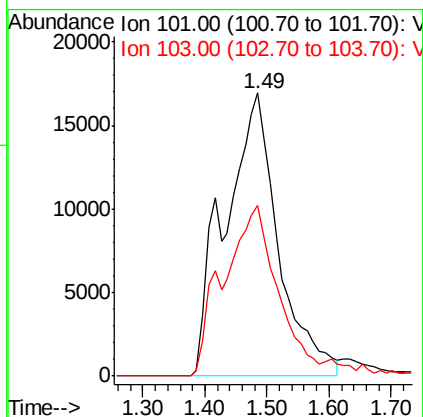
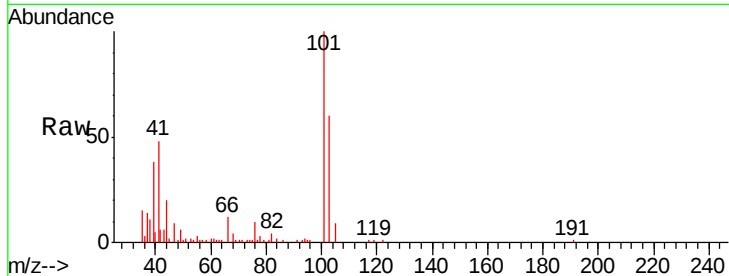
Trichlorofluoromethane
Concen: 21.35 ug/l m
RT: 1.49 min Scan# 87
Delta R.T. -0.02 min
Lab File: VF060722.D
Acq: 14 Nov 2018 13:40

Instrument :
MSVOA_F
ClientSampleId :
VF1114SBS01

Tgt Ion: 101 Resp: 100884
Ion Ratio Lower Upper
101 100
103 60.5 53.1 79.7

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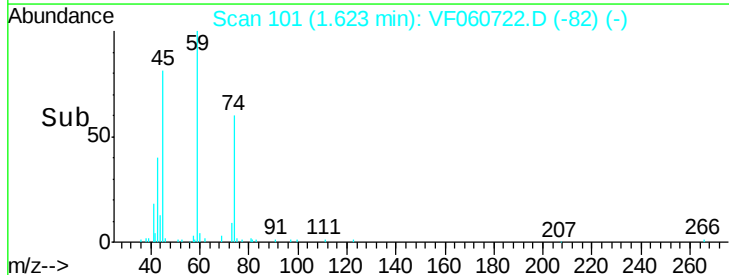
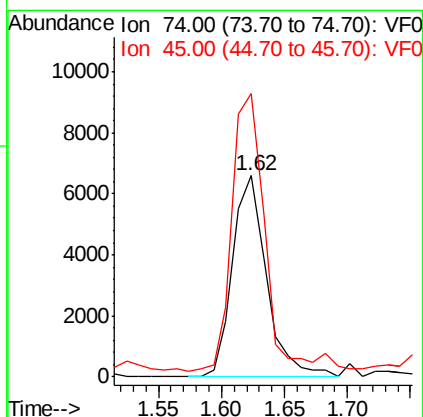
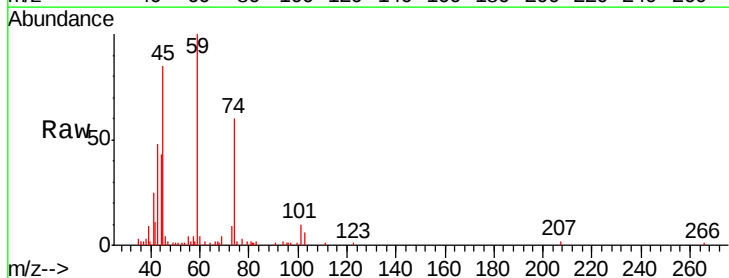
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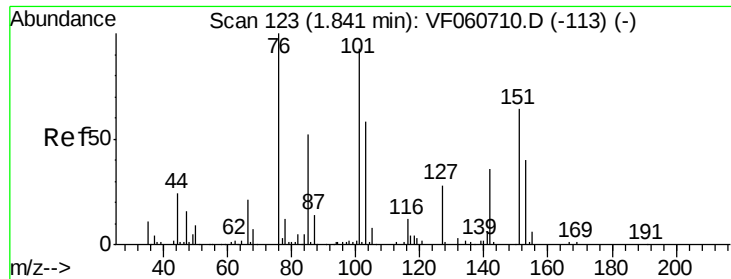


#8

Diethyl Ether
Concen: 20.30 ug/l
RT: 1.62 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF060722.D
Acq: 14 Nov 2018 13:40

Tgt Ion: 74 Resp: 12294
Ion Ratio Lower Upper
74 100
45 140.9 67.7 203.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.68 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.03 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Instrument :

MSVOA_F

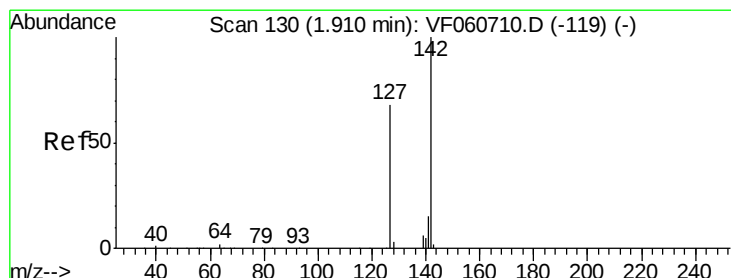
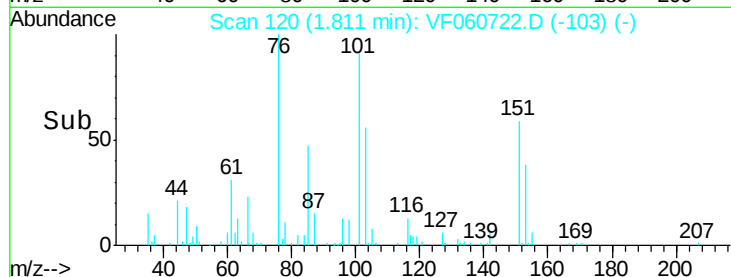
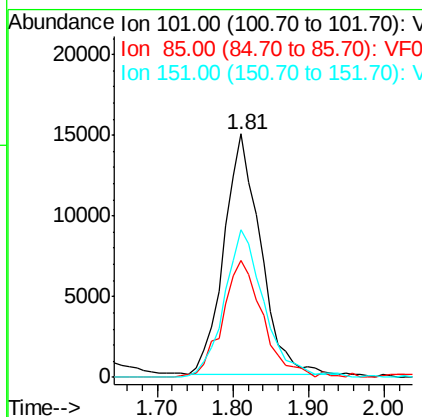
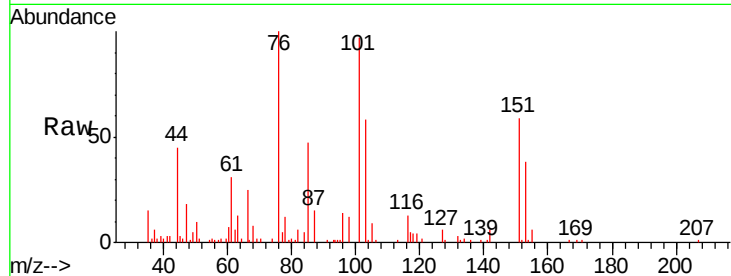
ClientSampleId :

VF1114SBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
85	48.1	43.6	65.4
151	60.5	53.1	79.7

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#10

Methyl Iodide

Concen: 21.67 ug/l m

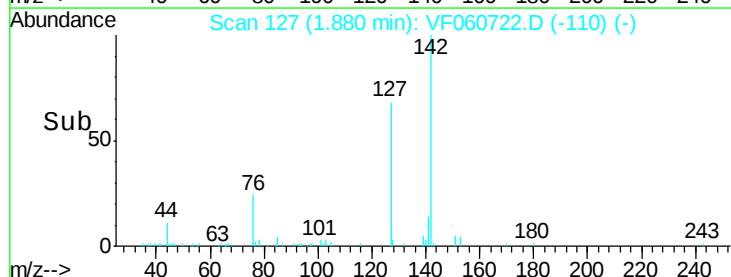
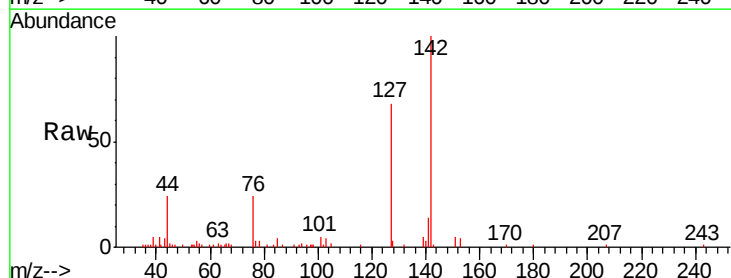
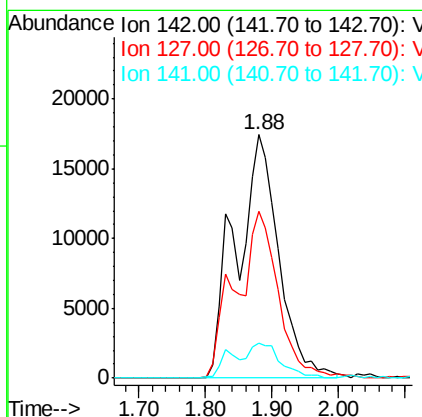
RT: 1.88 min Scan# 127

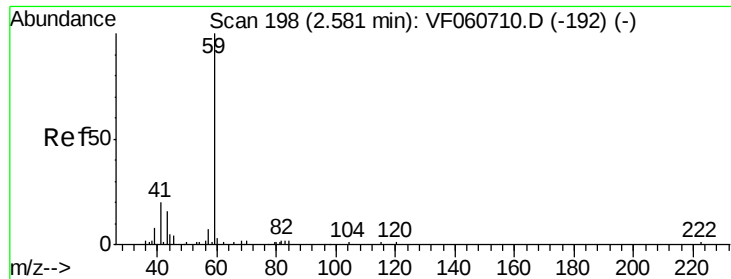
Delta R.T. -0.03 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Tgt Ion	Ratio	Lower	Upper
142	100		
127	68.3	54.0	81.0
141	14.3	12.3	18.5





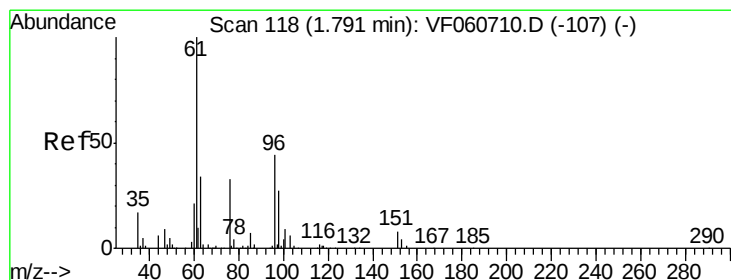
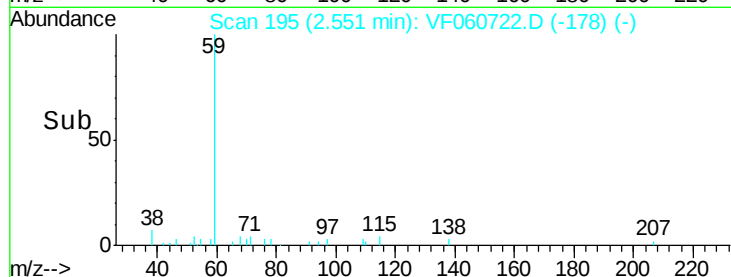
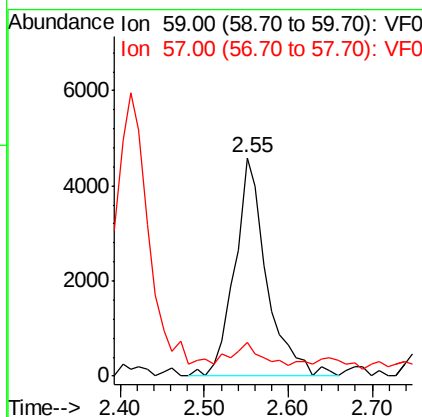
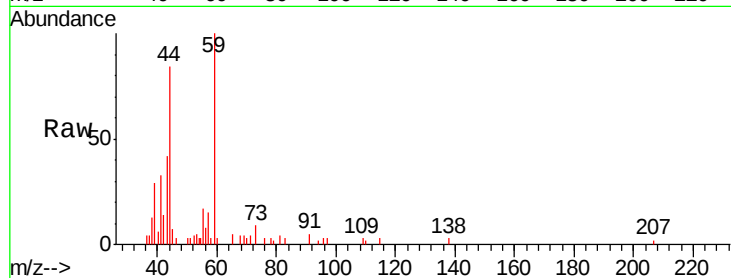
#11
Tert butyl alcohol
Concen: 108.50 ug/l
RT: 2.55 min Scan# 195
Delta R.T. -0.03 min
Lab File: VF060722.D
Acq: 14 Nov 2018 13:40

Instrument :
MSVOA_F
ClientSampleId :
VF1114SBS01

Tgt Ion: 59 Resp: 12122
Ion Ratio Lower Upper
59 100
57 15.3 10.5 15.7

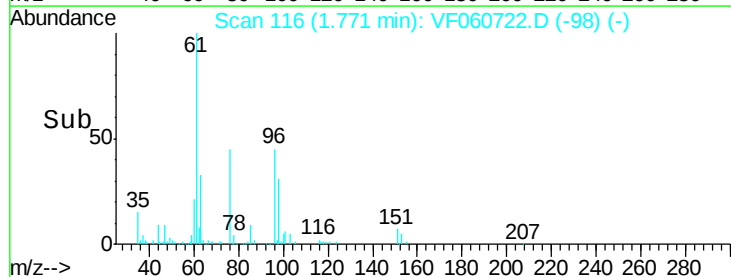
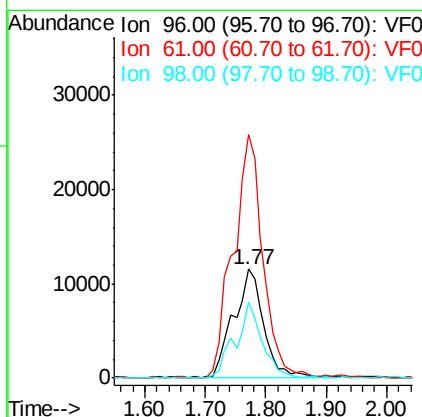
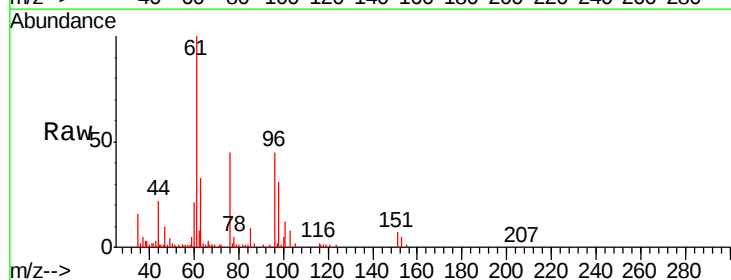
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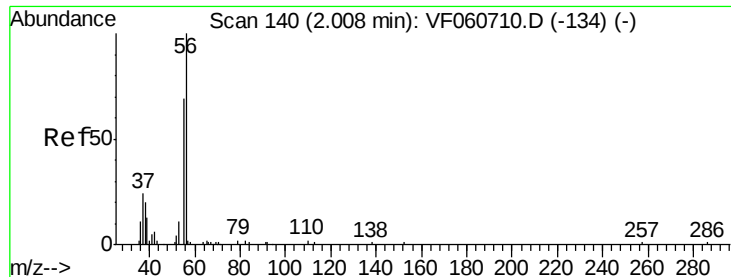
MMDadoda
11/15/2018 2:36:20 PM



#12
1,1-Dichloroethene
Concen: 22.97 ug/l
RT: 1.77 min Scan# 116
Delta R.T. -0.02 min
Lab File: VF060722.D
Acq: 14 Nov 2018 13:40

Tgt Ion: 96 Resp: 40334
Ion Ratio Lower Upper
96 100
61 223.7 182.2 273.2
98 69.2 49.2 73.8





#13

Acrolein

Concen: 114.44 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Instrument :

MSVOA_F

ClientSampleId :

VF1114SBS01

Tgt Ion: 56 Resp: 11691

Ion Ratio Lower Upper

56 100

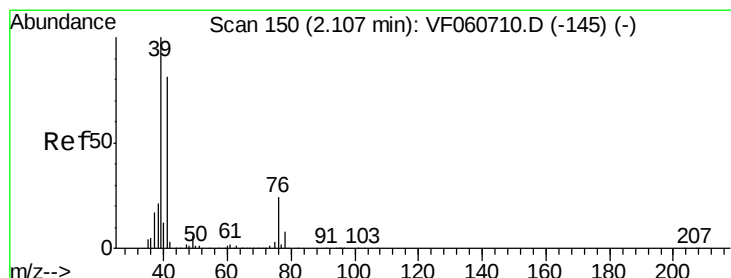
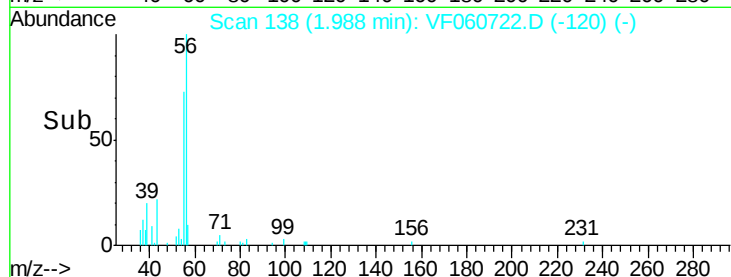
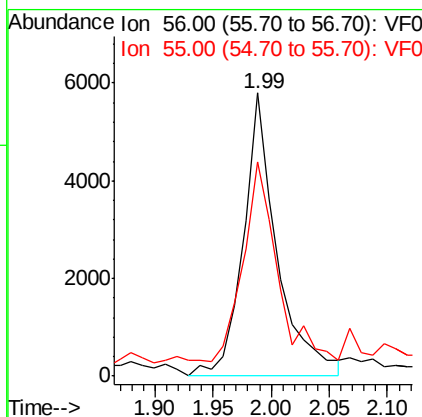
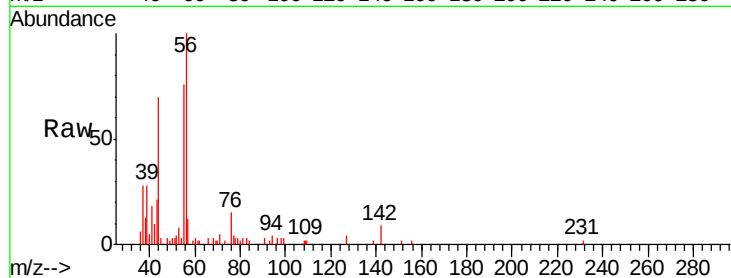
55 75.8 56.6 85.0

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#14

Allyl chloride

Concen: 22.27 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.02 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

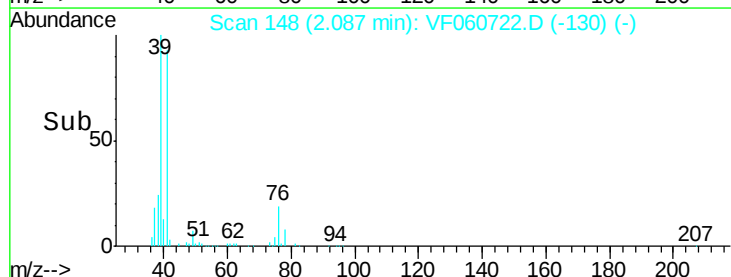
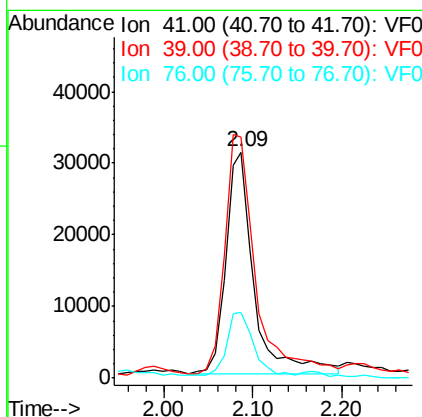
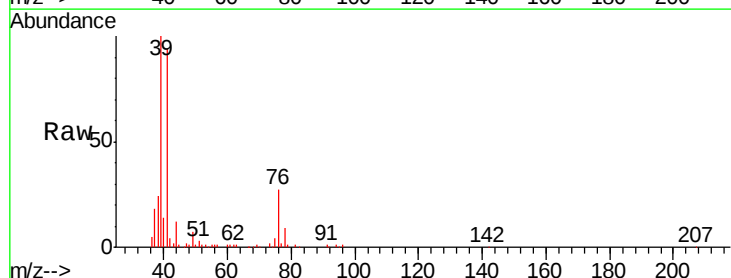
Tgt Ion: 41 Resp: 68499

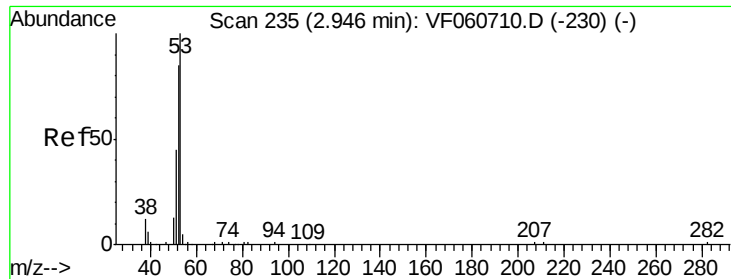
Ion Ratio Lower Upper

41 100

39 106.9 98.5 147.7

76 29.2 24.5 36.7





#15

Acrylonitrile

Concen: 116.20 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.02 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Instrument :

MSVOA_F

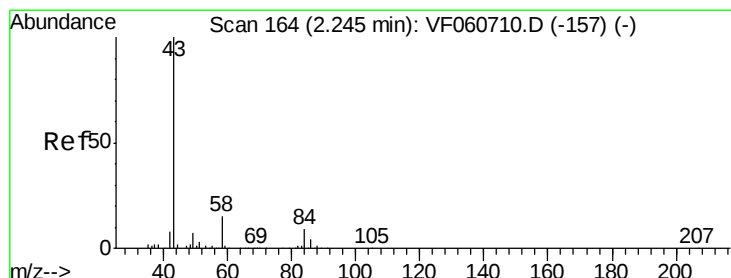
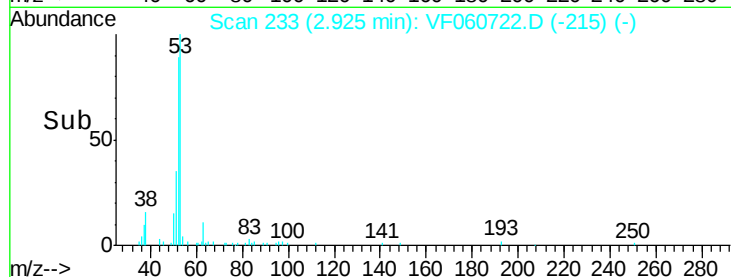
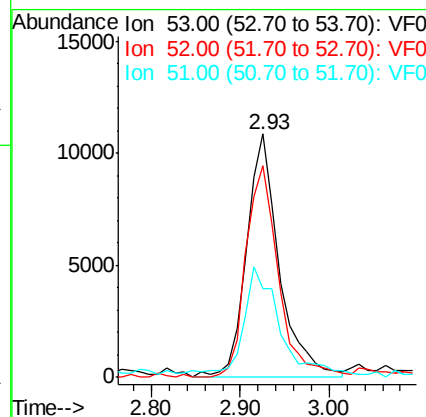
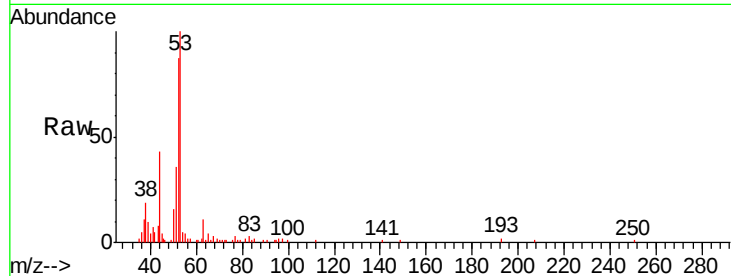
ClientSampleId :

VF1114SBS01

Tgt Ion:	53	Resp:	27665
Ion	Ratio	Lower	Upper
53	100		
52	87.1	68.8	103.2
51	36.5	36.7	55.1#

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#16

Acetone

Concen: 102.98 ug/l

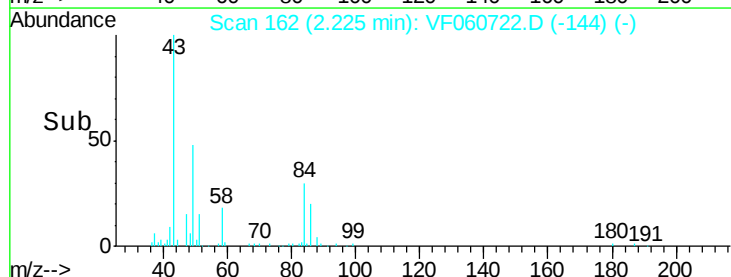
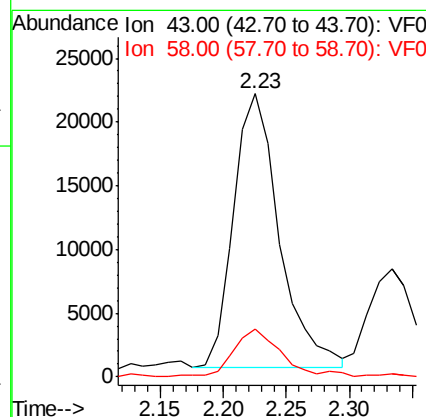
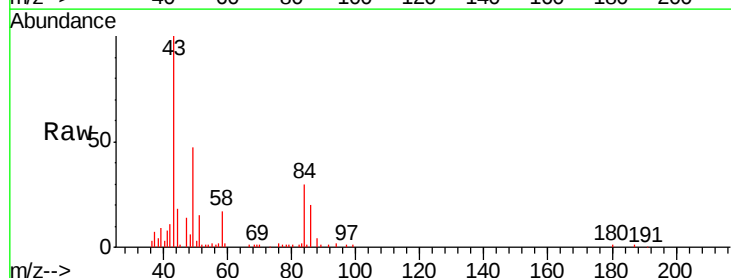
RT: 2.23 min Scan# 162

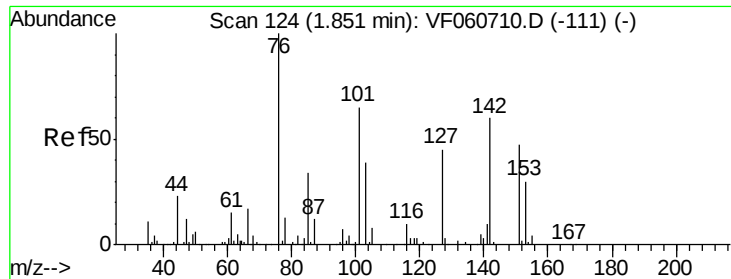
Delta R.T. -0.02 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Tgt Ion:	43	Resp:	54035
Ion	Ratio	Lower	Upper
43	100		
58	17.1	11.6	17.4





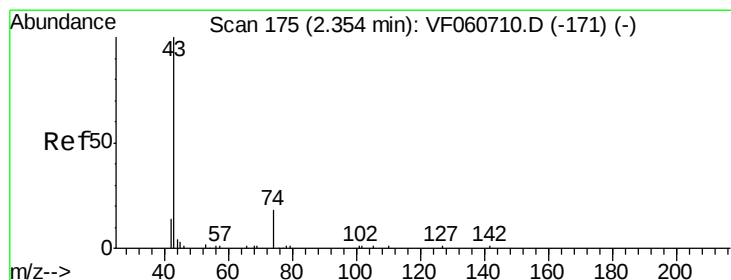
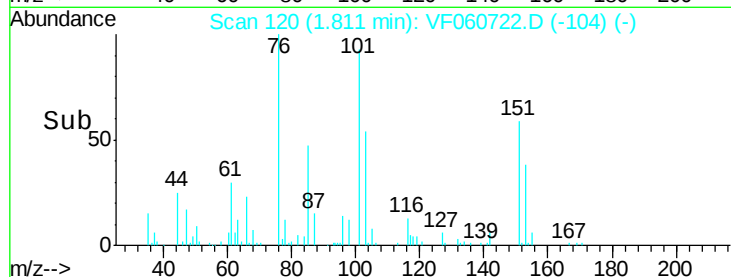
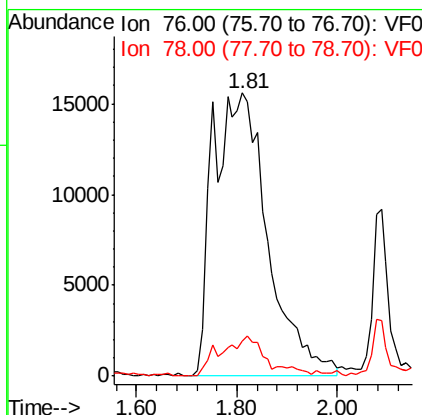
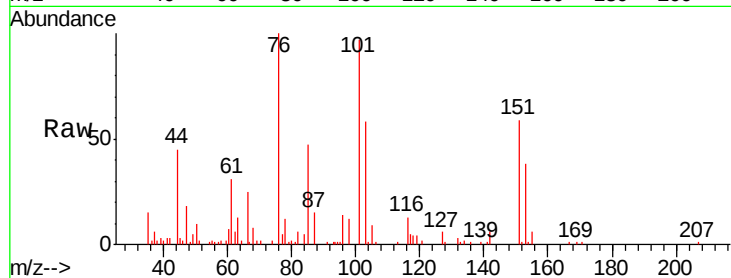
#17
Carbon Disulfide
Concen: 22.18 ug/l m
RT: 1.81 min Scan# 120
Delta R.T. -0.04 min
Lab File: VF060722.D
Acq: 14 Nov 2018 13:40

Instrument :
MSVOA_F
ClientSampleId :
VF1114SBS01

Tgt Ion: 76 Resp: 117691
Ion Ratio Lower Upper
76 100
78 12.2 10.5 15.7

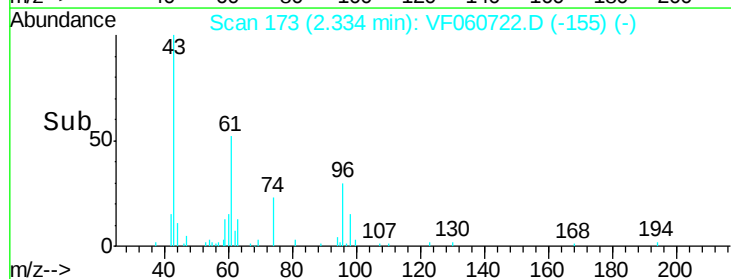
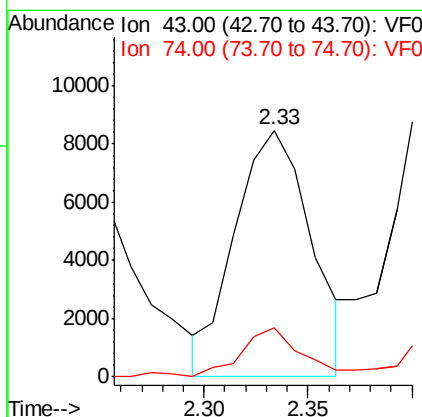
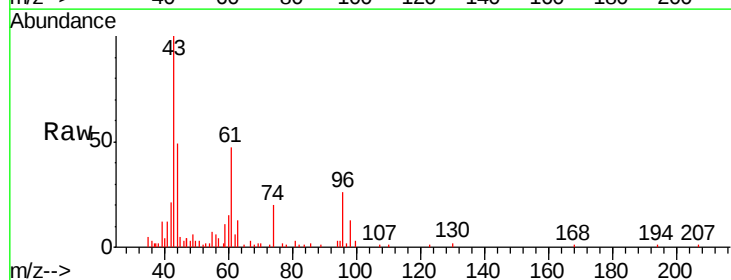
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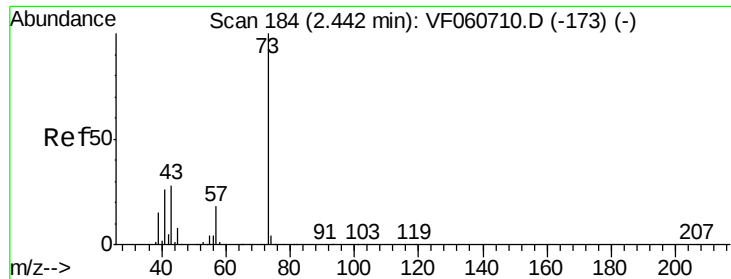
MMDadoda
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#18
Methyl Acetate
Concen: 25.07 ug/l m
RT: 2.33 min Scan# 173
Delta R.T. -0.02 min
Lab File: VF060722.D
Acq: 14 Nov 2018 13:40

Tgt Ion: 43 Resp: 21599
Ion Ratio Lower Upper
43 100
74 19.7 11.8 17.8#





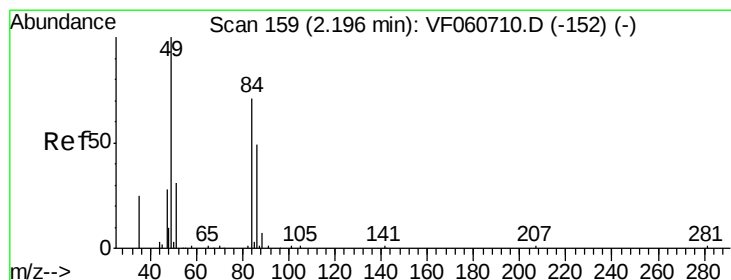
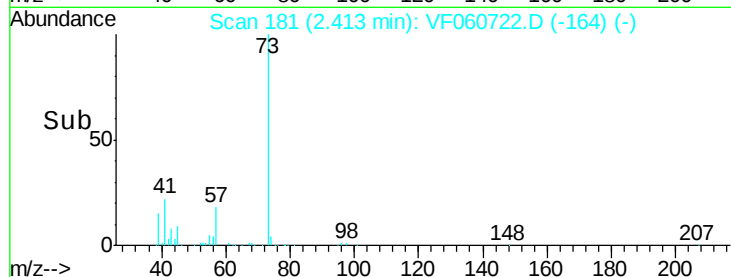
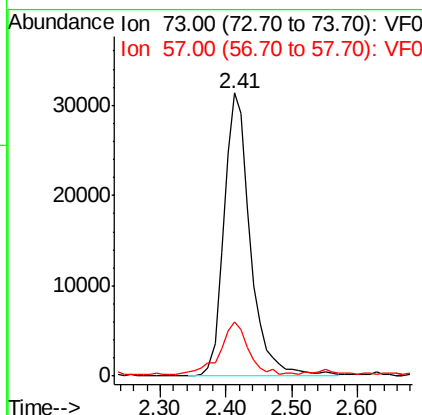
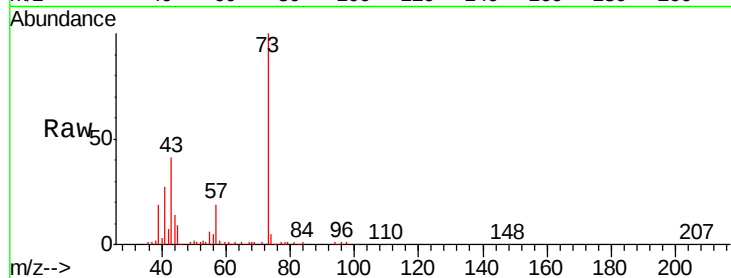
#19
Methyl tert-butyl Ether
Concen: 20.93 ug/l
RT: 2.41 min Scan# 181
Delta R.T. -0.03 min
Lab File: VF060722.D
Acq: 14 Nov 2018 13:40

Instrument :
MSVOA_F
ClientSampleId :
VF1114SBS01

Tgt Ion: 73 Resp: 88154
Ion Ratio Lower Upper
73 100
57 19.0 14.3 21.5

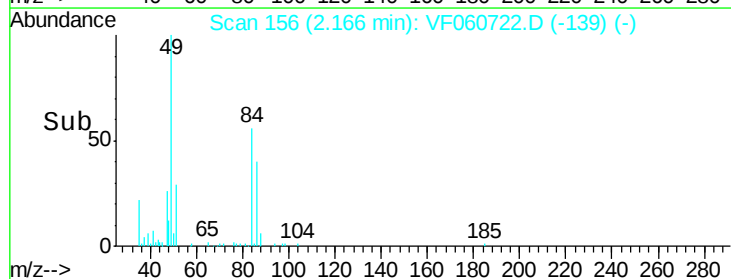
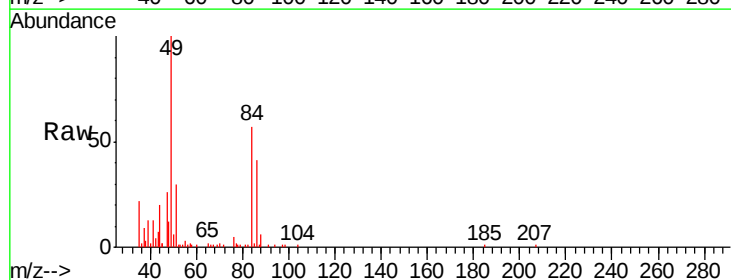
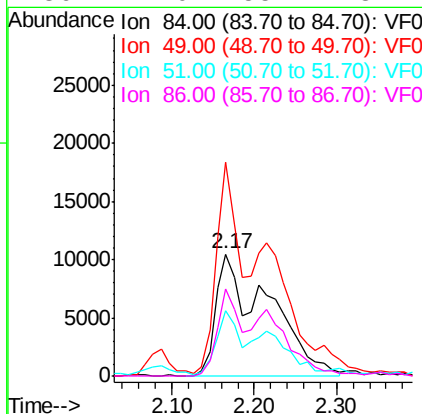
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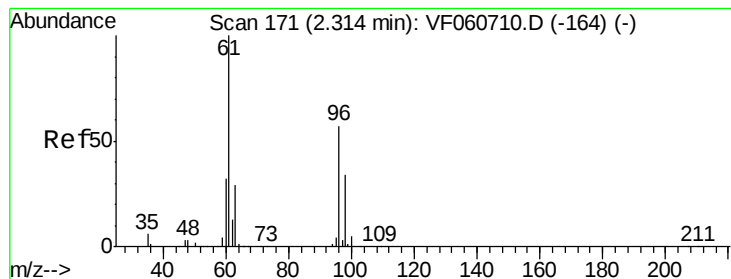
MMDadoda
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#20
Methylene Chloride
Concen: 25.19 ug/l m
RT: 2.17 min Scan# 156
Delta R.T. -0.03 min
Lab File: VF060722.D
Acq: 14 Nov 2018 13:40

Tgt Ion: 84 Resp: 46401
Ion Ratio Lower Upper
84 100
49 174.9 120.2 180.4
51 53.2 37.2 55.8
86 71.0 55.1 82.7





#21

trans-1,2-Dichloroethene

Concen: 23.45 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.02 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Instrument :

MSVOA_F

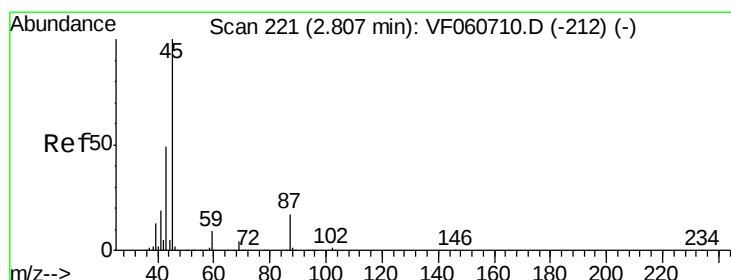
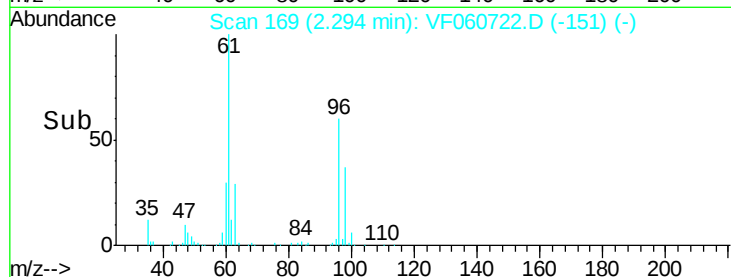
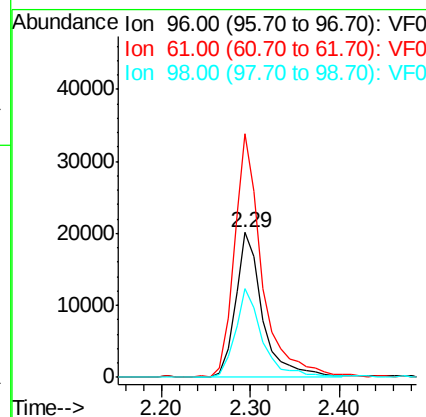
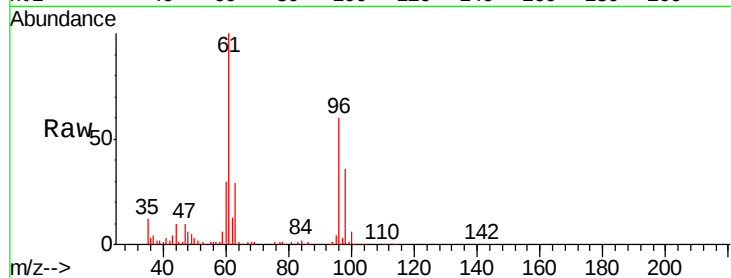
ClientSampleId :

VF1114SBS01

Tgt Ion:	96	Resp:	43019
Ion	Ratio	Lower	Upper
96	100		
61	167.9	141.6	212.4
98	61.2	47.4	71.0

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#22

Diisopropyl ether

Concen: 22.45 ug/l

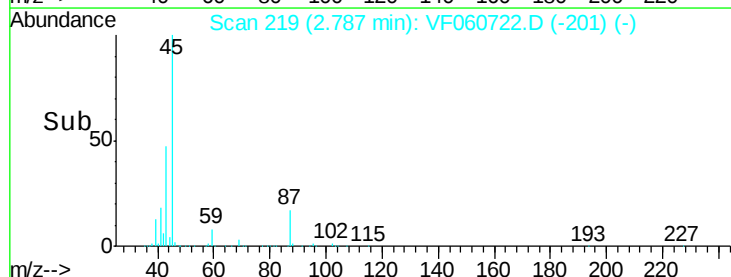
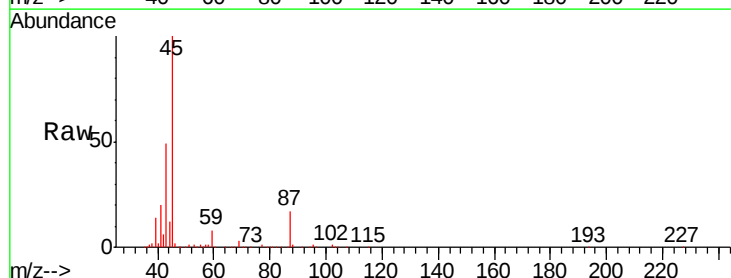
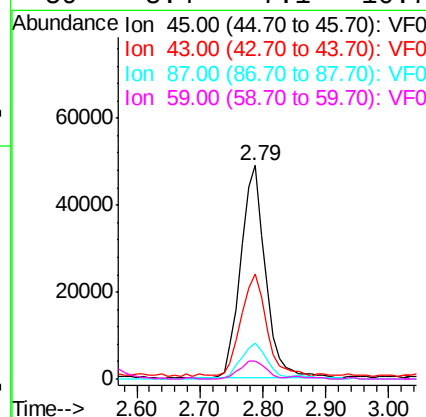
RT: 2.79 min Scan# 219

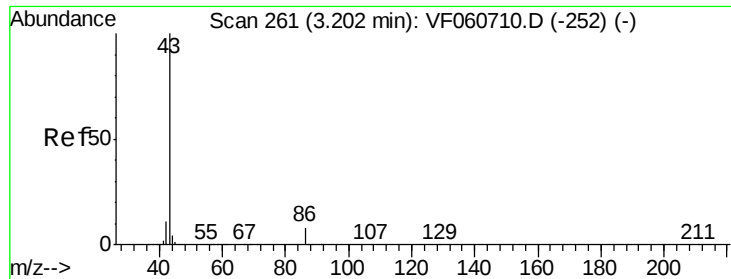
Delta R.T. -0.02 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Tgt Ion:	45	Resp:	133307
Ion	Ratio	Lower	Upper
45	100		
43	49.0	39.9	59.9
87	17.1	13.9	20.9
59	8.4	7.1	10.7





#23

Vinyl Acetate

Concen: 114.10 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.03 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Instrument :

MSVOA_F

ClientSampleId :

VF1114SBS01

Tgt Ion: 43 Resp: 319089

Ion Ratio Lower Upper

43 100

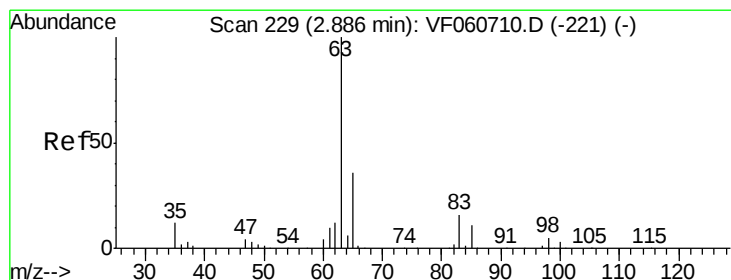
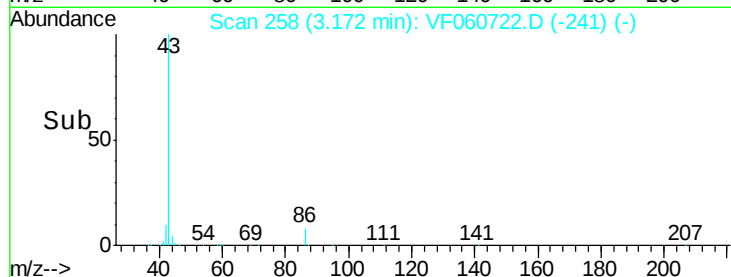
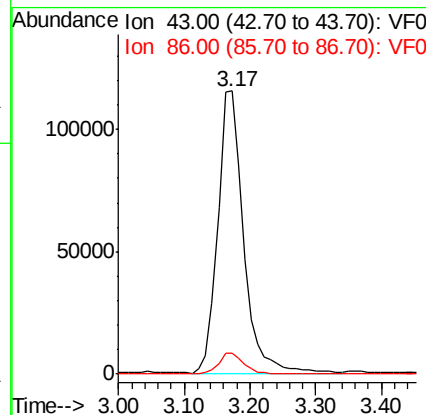
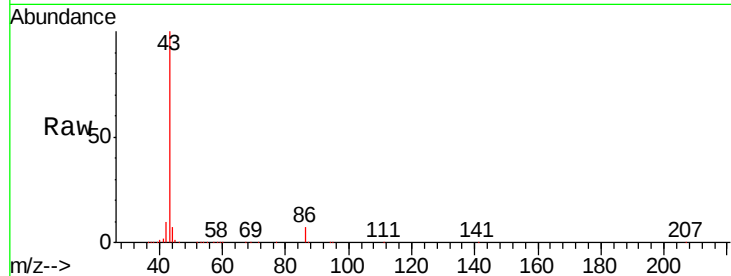
86 7.5 6.4 9.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 22.79 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.03 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

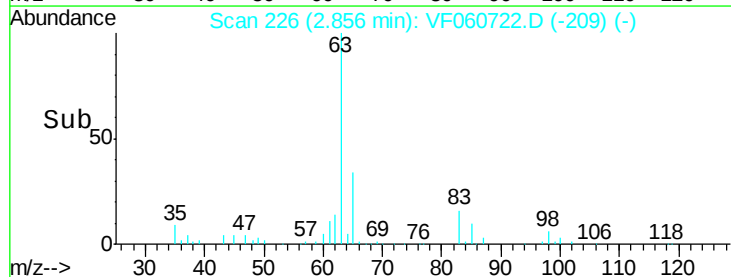
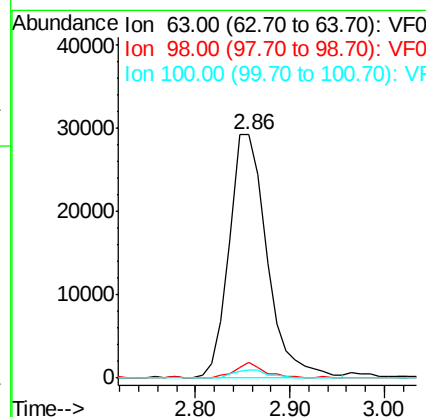
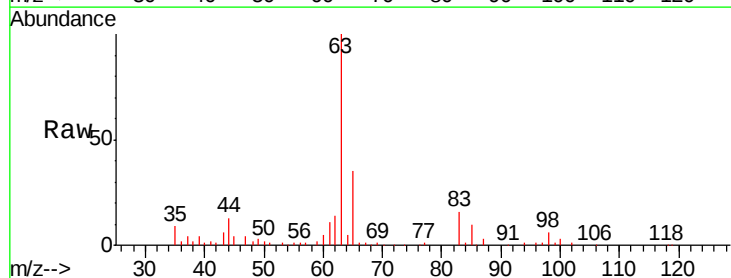
Tgt Ion: 63 Resp: 81928

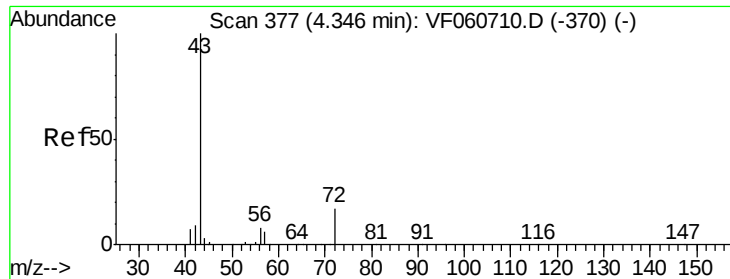
Ion Ratio Lower Upper

63 100

98 6.3 2.4 7.1

100 3.2 1.4 4.2





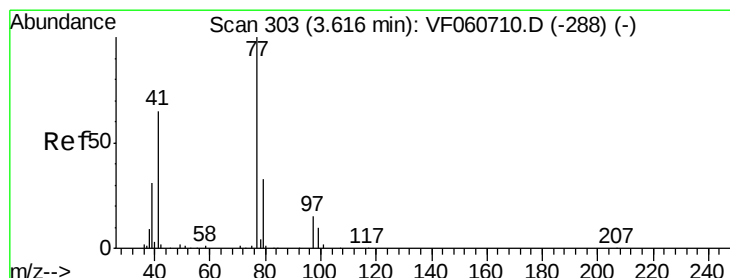
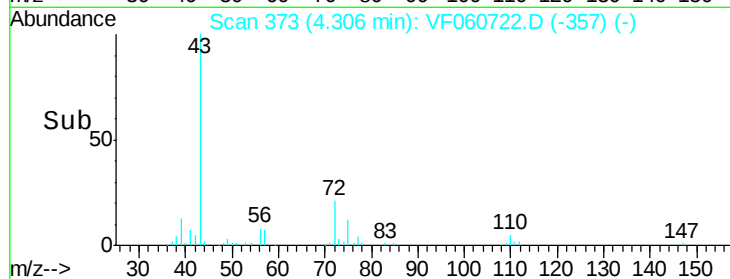
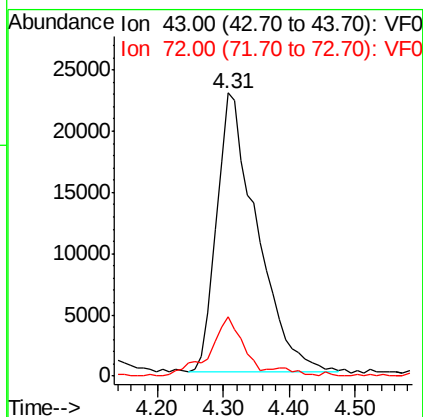
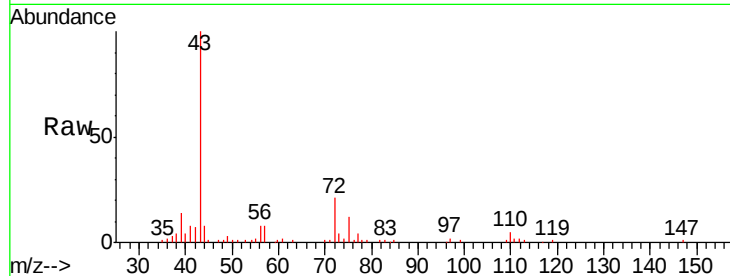
#25
2-Butanone
Concen: 112.50 ug/l
RT: 4.31 min Scan# 373
Delta R.T. -0.04 min
Lab File: VF060722.D
Acq: 14 Nov 2018 13:40

Instrument :
MSVOA_F
ClientSampleId :
VF1114SBS01

Tgt Ion: 43 Resp: 97098
Ion Ratio Lower Upper
43 100
72 20.9 16.1 24.1

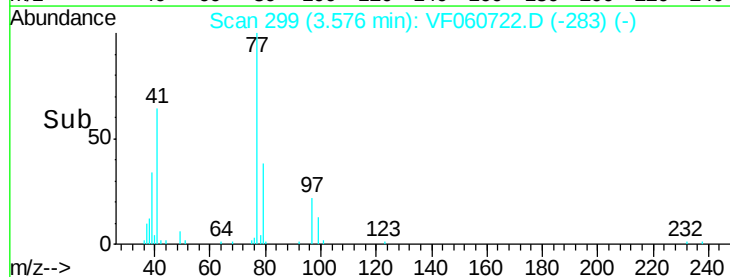
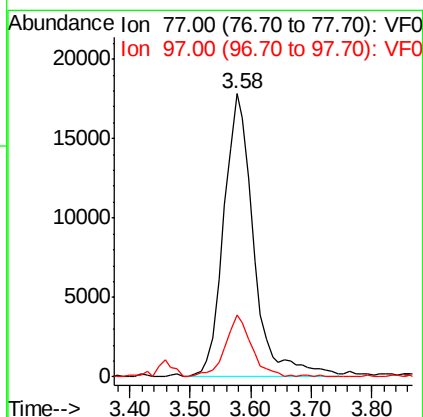
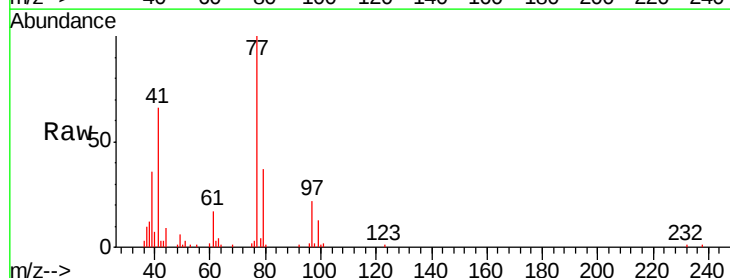
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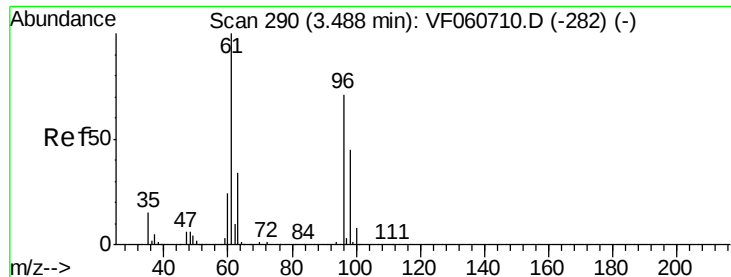
MMDadoda
11/15/2018 2:36:20 PM



#26
2,2-Dichloropropane
Concen: 21.76 ug/l
RT: 3.58 min Scan# 299
Delta R.T. -0.04 min
Lab File: VF060722.D
Acq: 14 Nov 2018 13:40

Tgt Ion: 77 Resp: 61563
Ion Ratio Lower Upper
77 100
97 22.0 8.8 26.5





#27

cis-1,2-Dichloroethene

Concen: 22.31 ug/l

RT: 3.46 min Scan# 287

Delta R.T. -0.03 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Instrument :

MSVOA_F

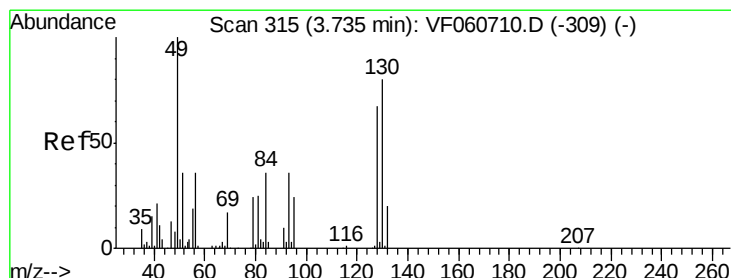
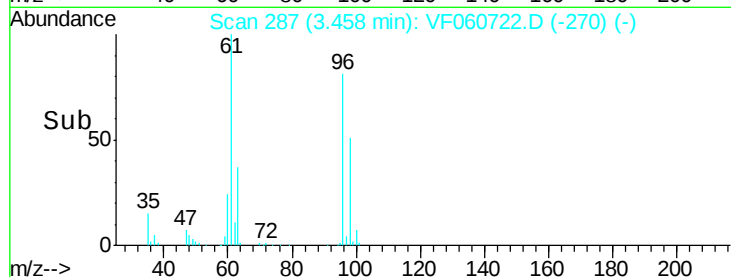
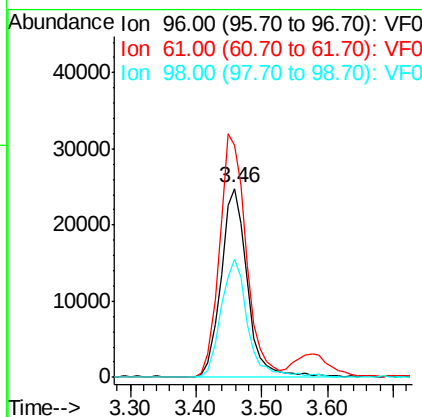
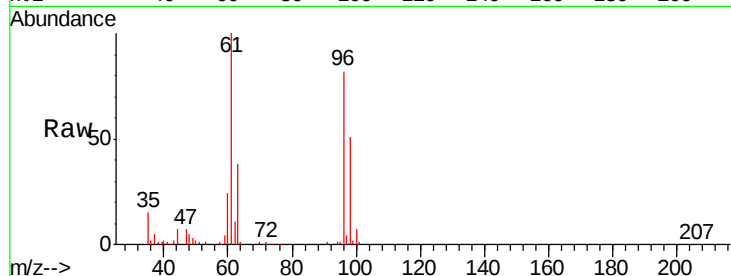
ClientSampleId :

VF1114SBS01

Tgt Ion:	96	Resp:	69616
Ion	Ratio	Lower	Upper
96	100		
61	122.7	0.0	280.6
98	62.6	0.0	127.6

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#28

Bromochloromethane

Concen: 22.08 ug/l

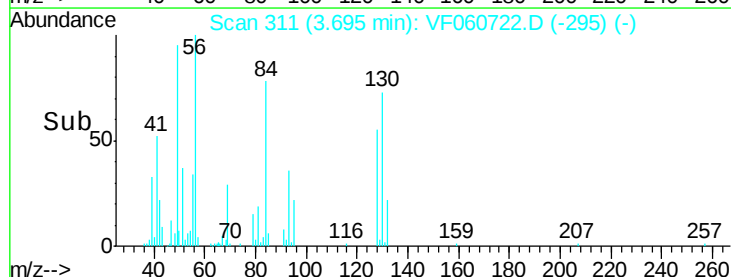
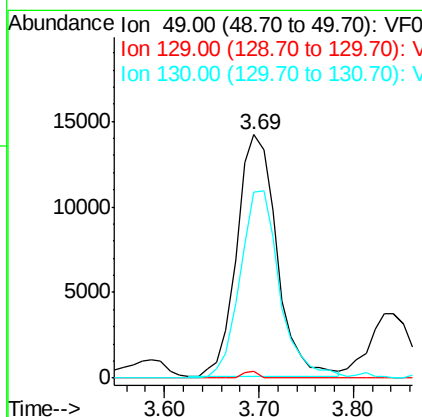
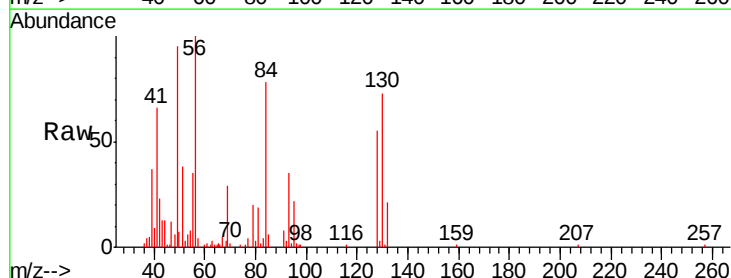
RT: 3.69 min Scan# 311

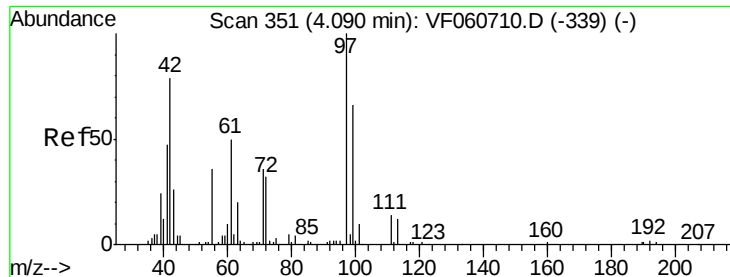
Delta R.T. -0.04 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Tgt Ion:	49	Resp:	41251
Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	5.2
130	76.4	63.9	95.9





#29

Tetrahydrofuran

Concen: 110.48 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.04 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Instrument :

MSVOA_F

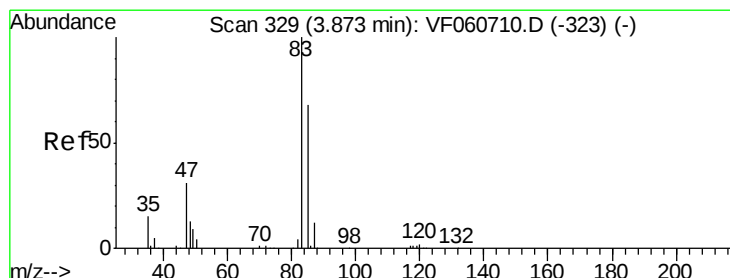
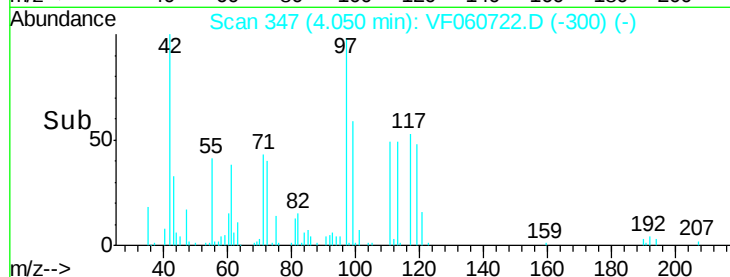
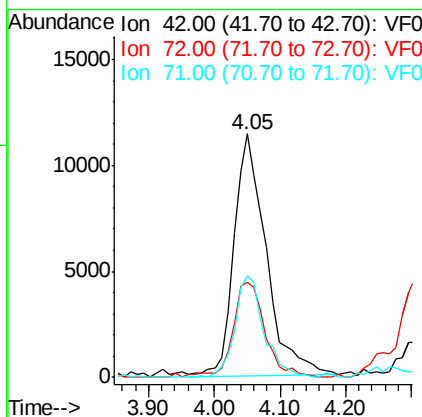
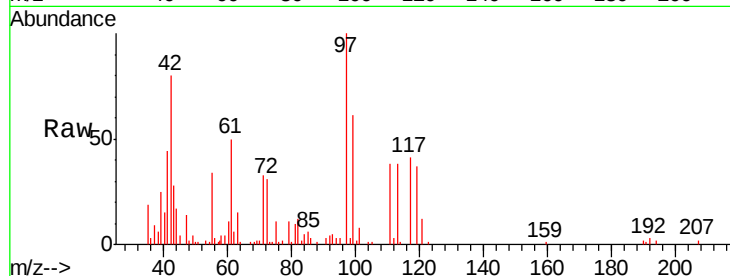
ClientSampleId :

VF1114SBS01

Tgt Ion:	42	Resp:	39334
Ion	Ratio	Lower	Upper
42	100		
72	39.0	30.3	45.5
71	37.8	32.2	48.2

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#30

Chloroform

Concen: 21.07 ug/l

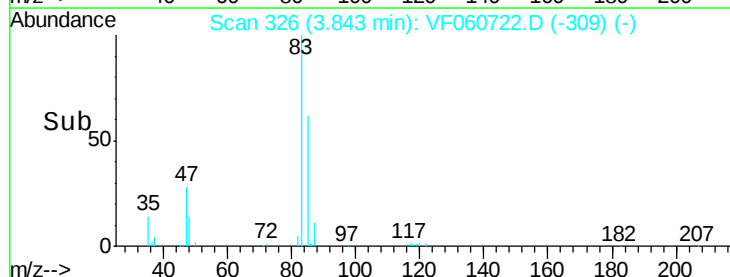
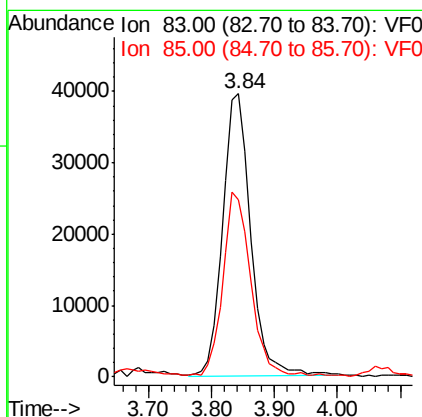
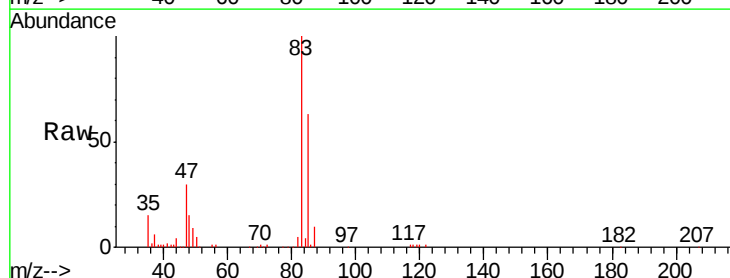
RT: 3.84 min Scan# 326

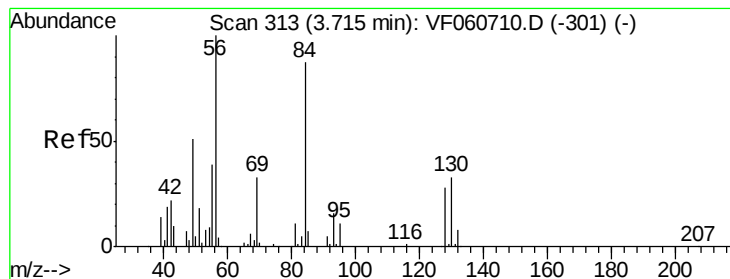
Delta R.T. -0.03 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Tgt Ion:	83	Resp:	121549
Ion	Ratio	Lower	Upper
83	100		
85	62.7	54.6	82.0





#31

Cyclohexane

Concen: 22.40 ug/l

RT: 3.68 min Scan# 309

Delta R.T. -0.04 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Instrument :

MSVOA_F

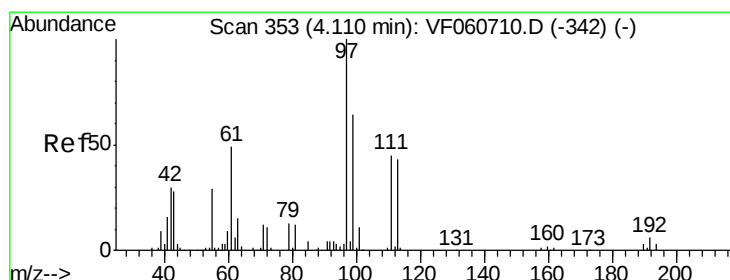
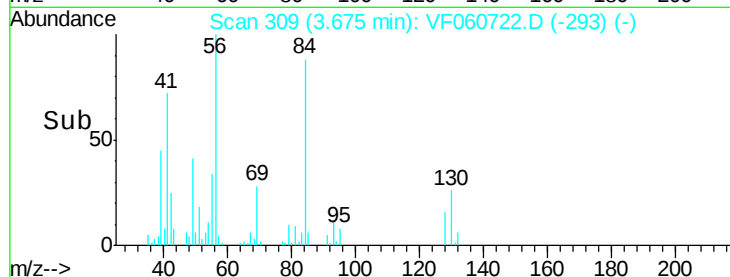
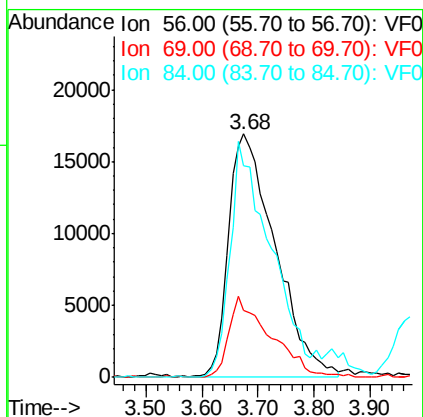
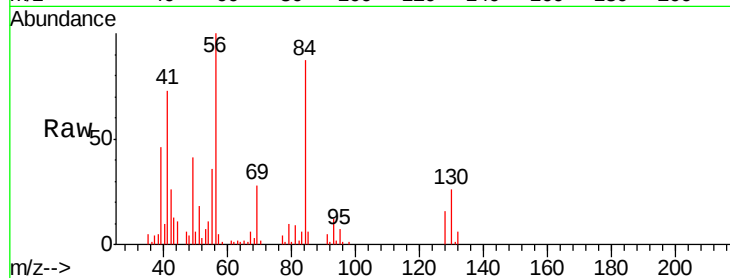
ClientSampleId :

VF1114SBS01

Tgt Ion:	56	Resp:	97744
Ion	Ratio	Lower	Upper
56	100		
69	27.8	26.0	39.0
84	87.1	69.4	104.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 22.03 ug/l

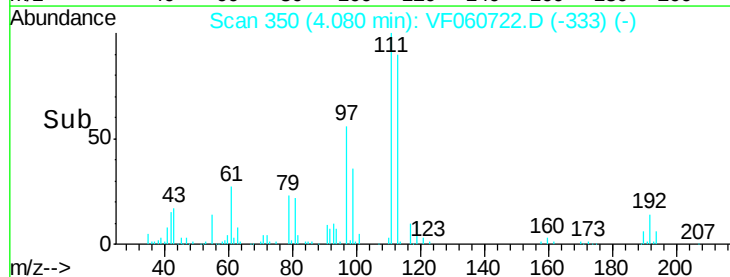
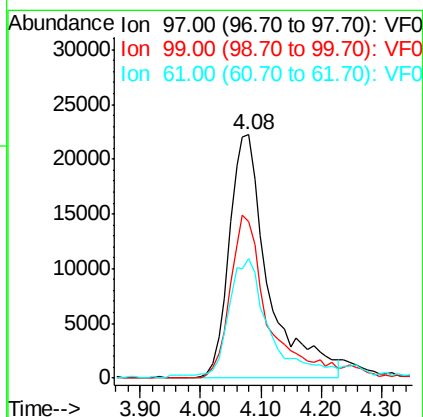
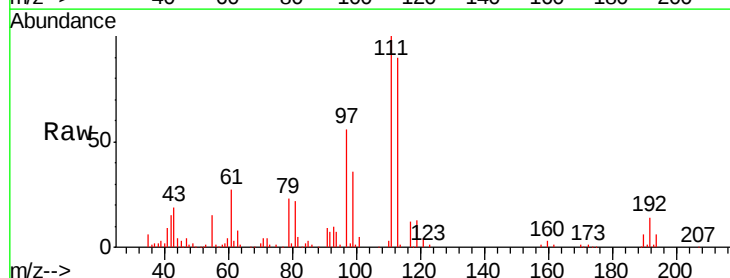
RT: 4.08 min Scan# 350

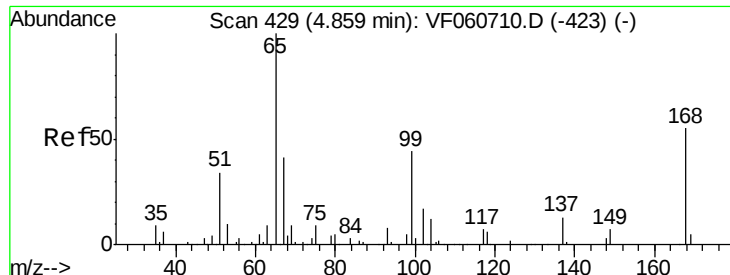
Delta R.T. -0.03 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Tgt Ion:	97	Resp:	100078
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.1	76.7
61	48.9	40.1	60.1





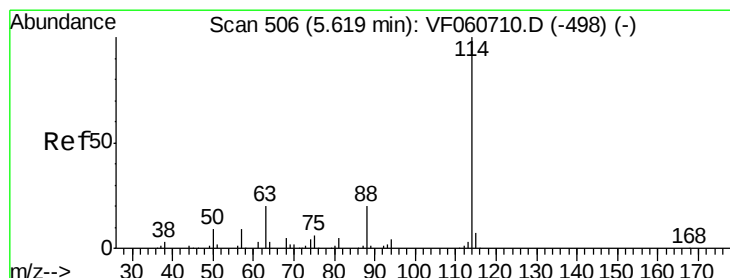
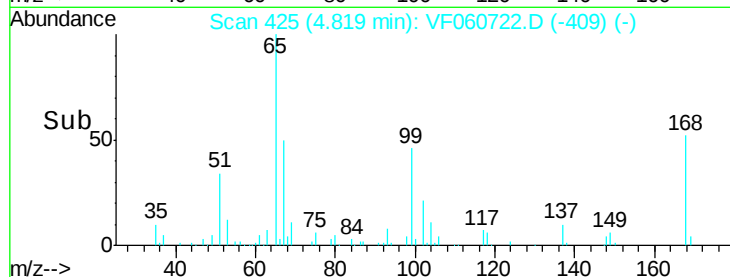
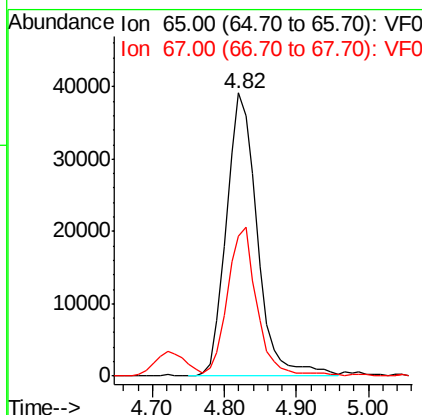
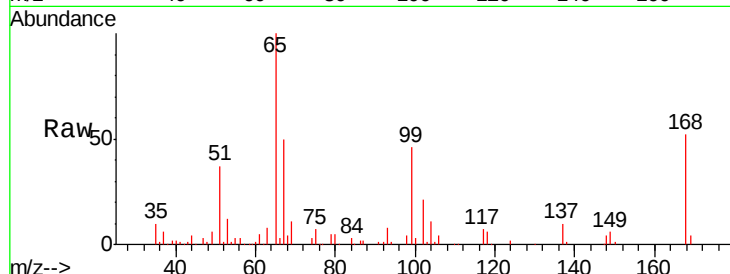
#33
 1,2-Dichloroethane-d4
 Concen: 47.25 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.04 min
 Lab File: VF060722.D
 Acq: 14 Nov 2018 13:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1114SBS01

Tgt Ion: 65 Resp: 115987
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 90.2

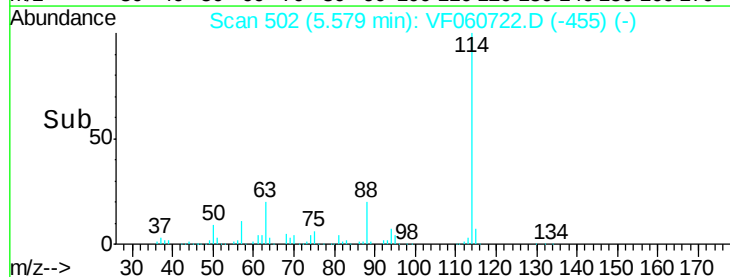
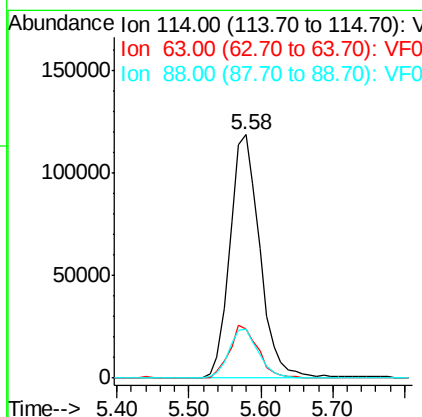
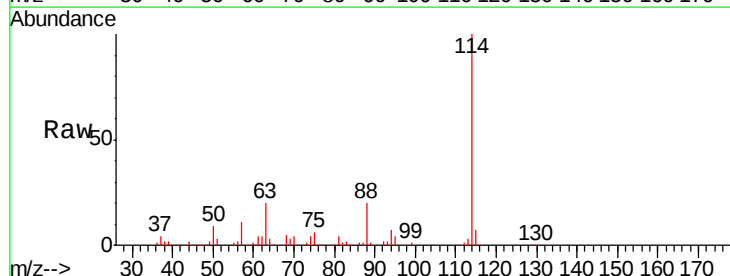
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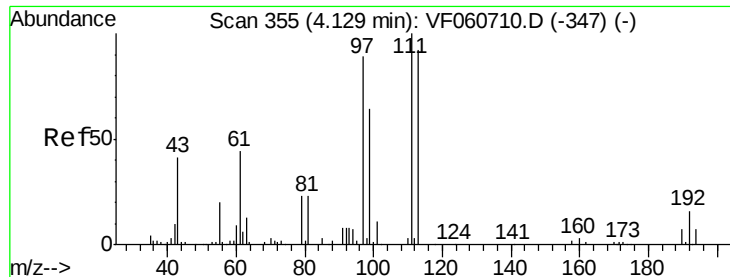
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.04 min
 Lab File: VF060722.D
 Acq: 14 Nov 2018 13:40

Tgt Ion: 114 Resp: 344930
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.8
 88 20.1 0.0 39.6





#35

Dibromofluoromethane

Concen: 52.53 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.04 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Instrument :

MSVOA_F

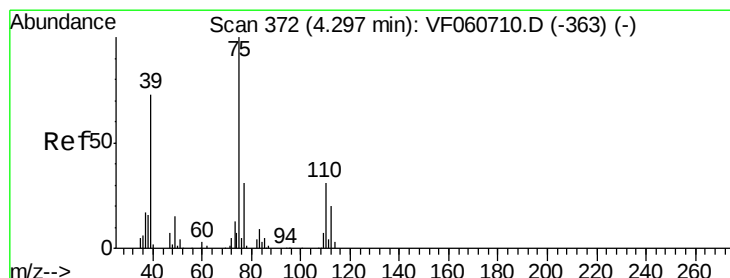
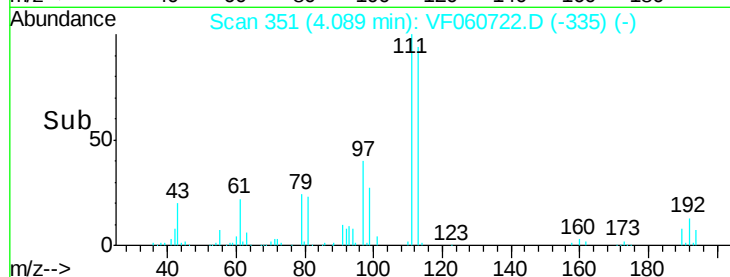
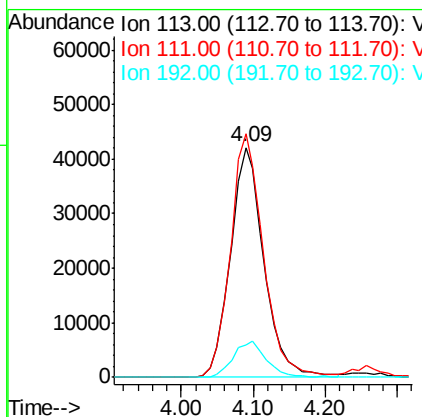
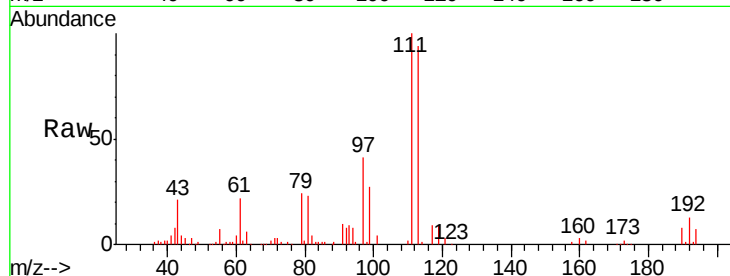
ClientSampleId :

VF1114SBS01

Tgt Ion:	113	Resp:	136190
Ion Ratio	Lower	Upper	
113	100		
111	105.8	87.1	130.7
192	14.1	13.8	20.6

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#36

1,1-Dichloropropene

Concen: 23.54 ug/l

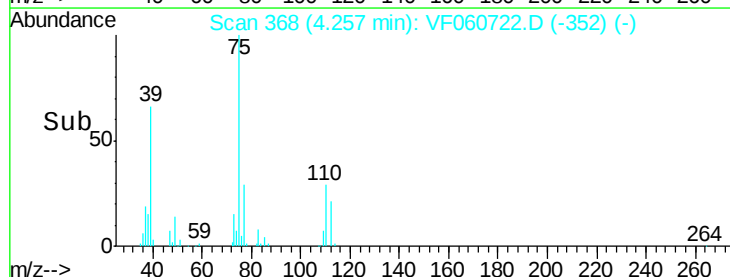
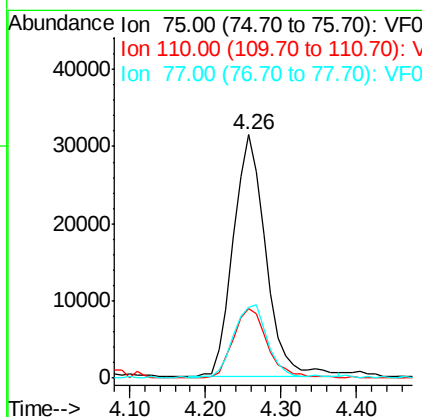
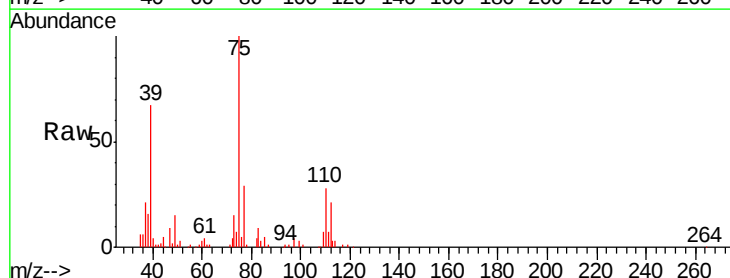
RT: 4.26 min Scan# 368

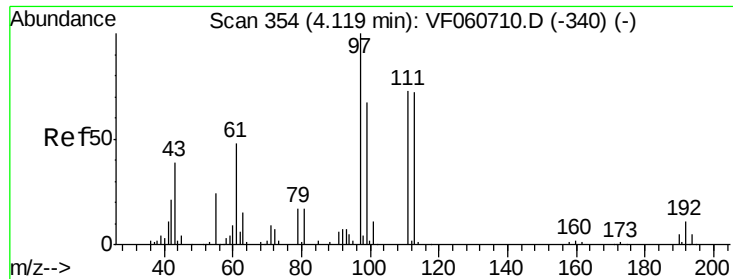
Delta R.T. -0.04 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Tgt Ion:	75	Resp:	94160
Ion Ratio	Lower	Upper	
75	100		
110	28.5	15.6	46.8
77	29.0	25.0	37.6





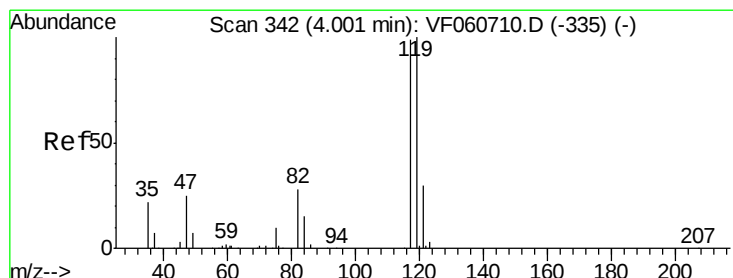
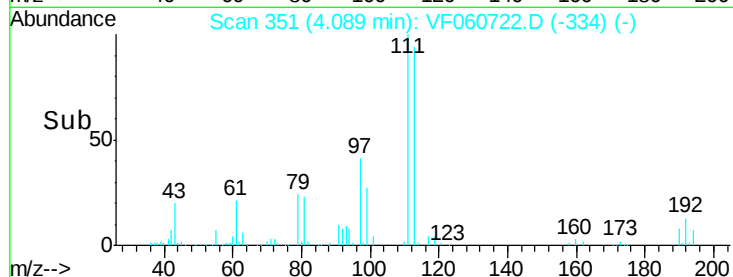
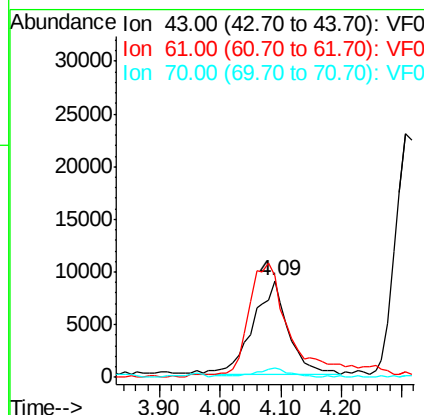
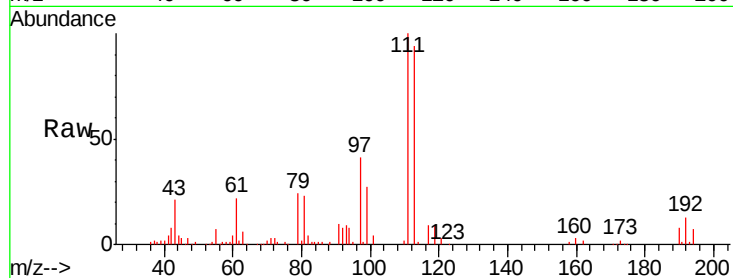
#37
Ethyl Acetate
Concen: 24.03 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.03 min
Lab File: VF060722.D
Acq: 14 Nov 2018 13:40

Instrument :
MSVOA_F
ClientSampleId :
VF1114SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	104.6	98.5	147.7
70	10.2	7.4	11.0

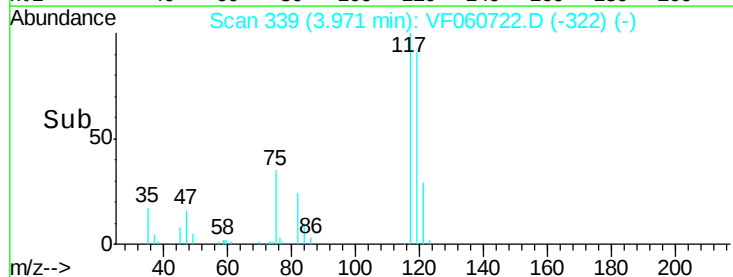
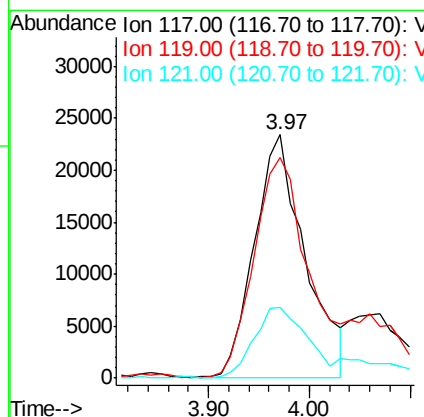
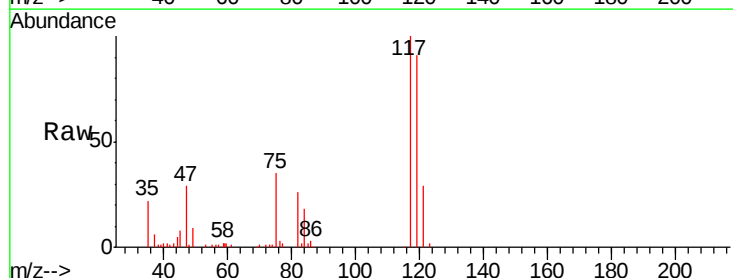
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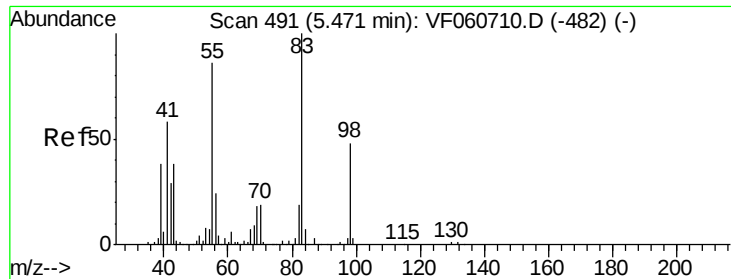
MMDadoda
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#38
Carbon Tetrachloride
Concen: 21.15 ug/l
RT: 3.97 min Scan# 339
Delta R.T. -0.03 min
Lab File: VF060722.D
Acq: 14 Nov 2018 13:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.7	80.7	121.1
121	29.0	24.3	36.5





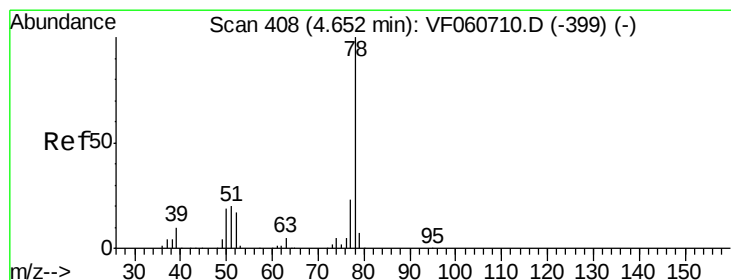
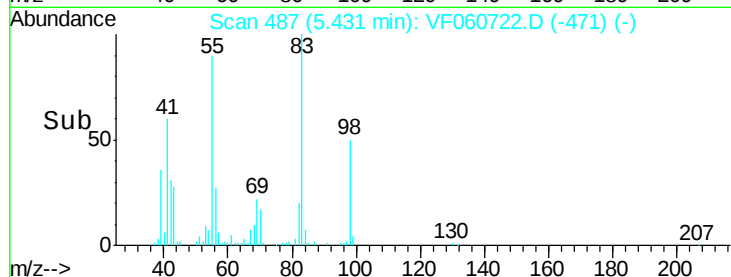
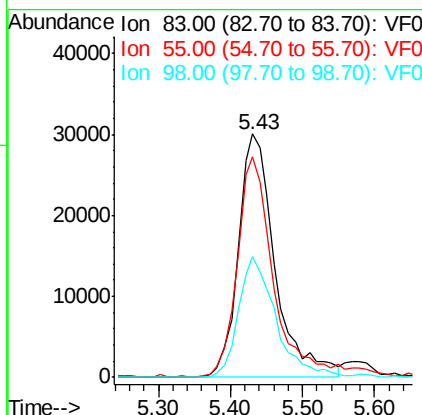
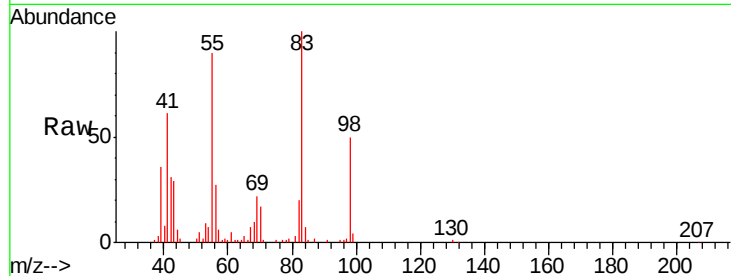
#39
Methylcyclohexane
Concen: 23.03 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.04 min
Lab File: VF060722.D
Acq: 14 Nov 2018 13:40

Instrument :
MSVOA_F
ClientSampleId :
VF1114SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	106893		
55	90.5	69.0	103.4	
98	49.8	38.5	57.7	

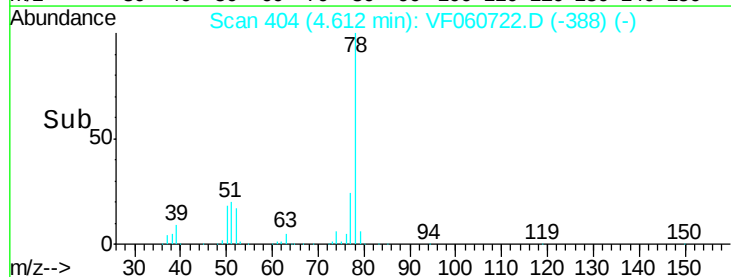
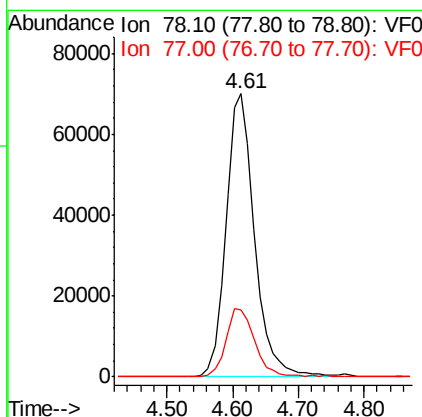
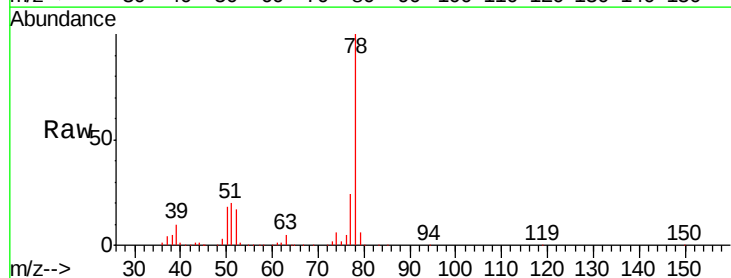
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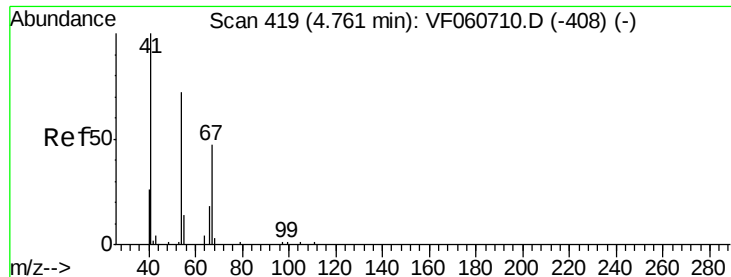
MMDadoda
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#40
Benzene
Concen: 23.76 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.04 min
Lab File: VF060722.D
Acq: 14 Nov 2018 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	211916		
77	23.5	18.6	28.0	





#41

Methacrylonitrile

Concen: 20.47 ug/l

RT: 4.72 min Scan# 415

Delta R.T. -0.04 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Instrument :

MSVOA_F

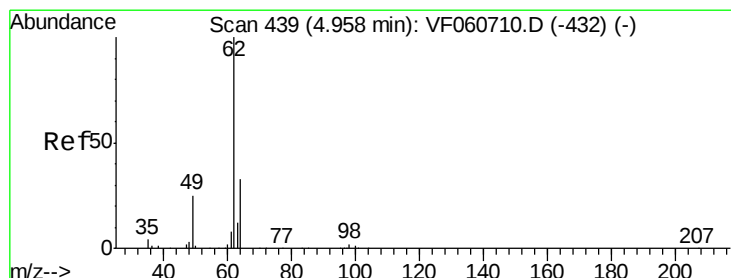
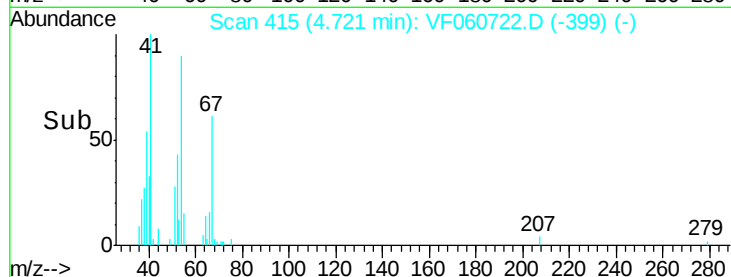
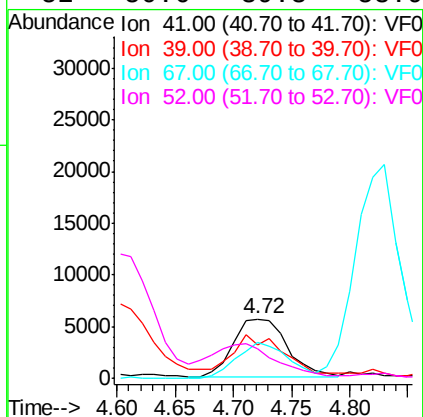
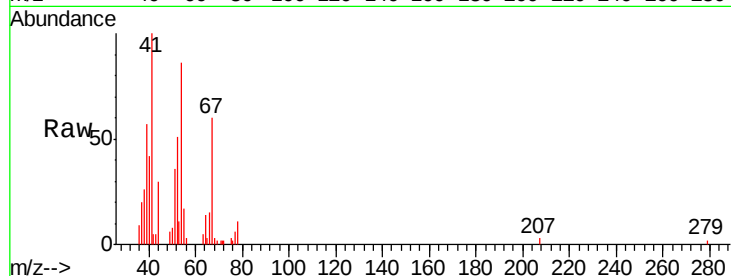
ClientSampleId :

VF1114SBS01

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Tgt Ion	Ratio	Lower	Upper
41	100		
39	57.0	47.1	70.7
67	60.4	37.1	55.7
52	50.6	39.3	58.9



#42

1,2-Dichloroethane

Concen: 21.80 ug/l

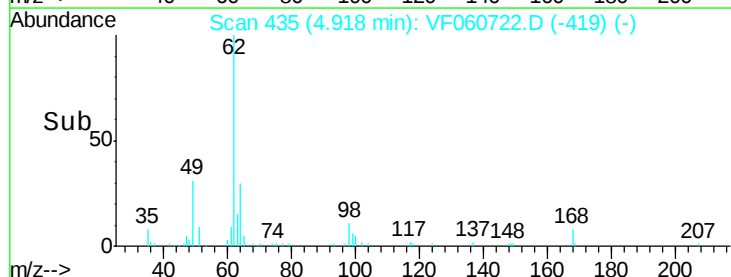
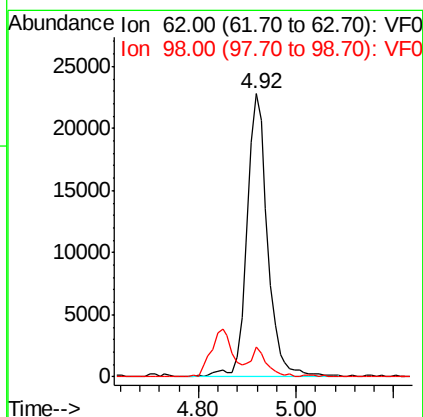
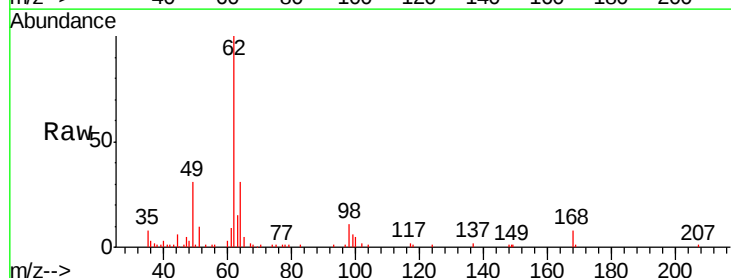
RT: 4.92 min Scan# 435

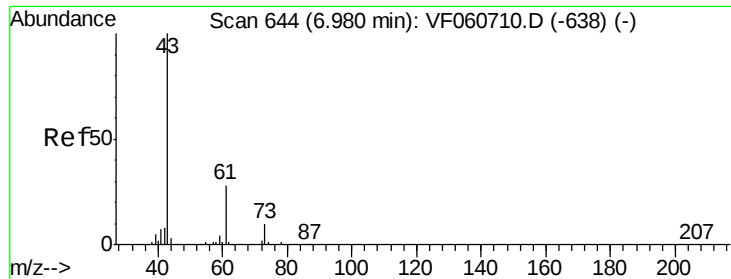
Delta R.T. -0.04 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	16.6





#43

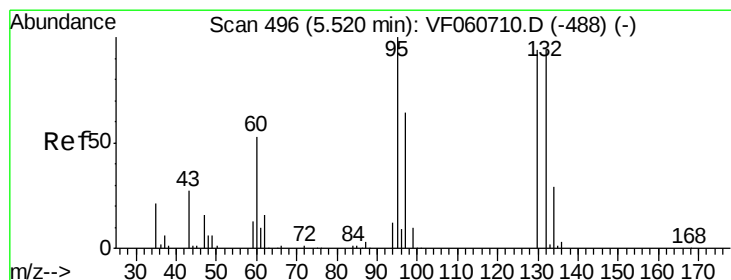
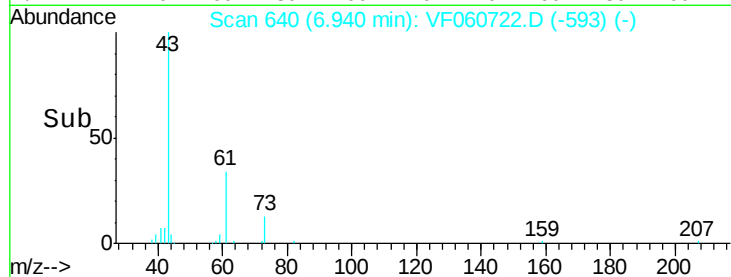
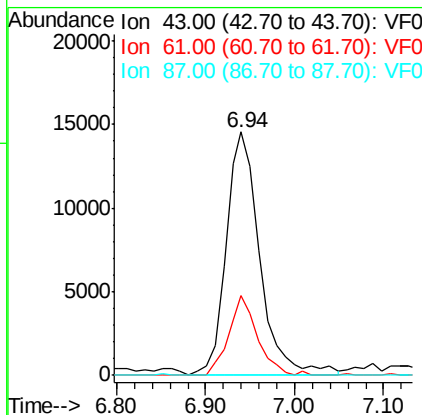
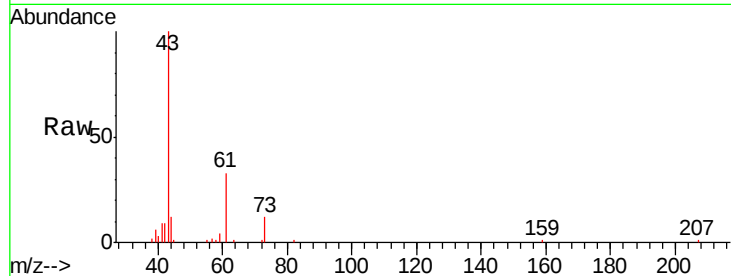
Isopropyl Acetate
 Concen: 19.56 ug/l
 RT: 6.94 min Scan# 640
 Delta R.T. -0.04 min
 Lab File: VF060722.D
 Acq: 14 Nov 2018 13:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1114SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	32.7	22.2	33.4
87	0.0	0.4	0.6

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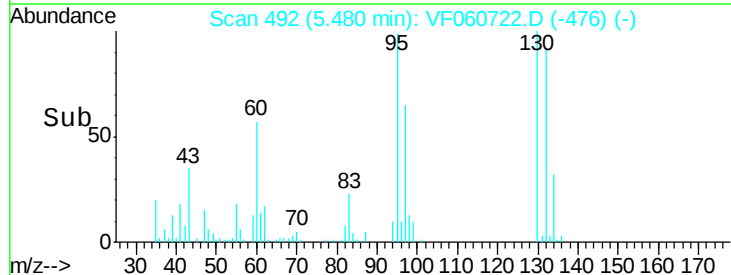
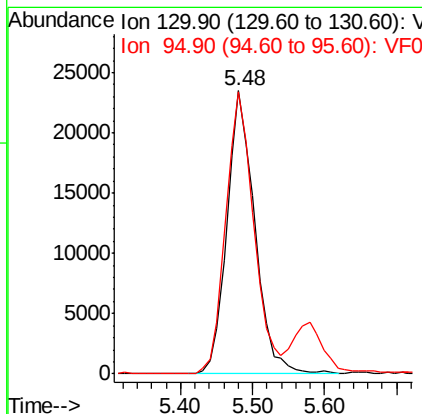
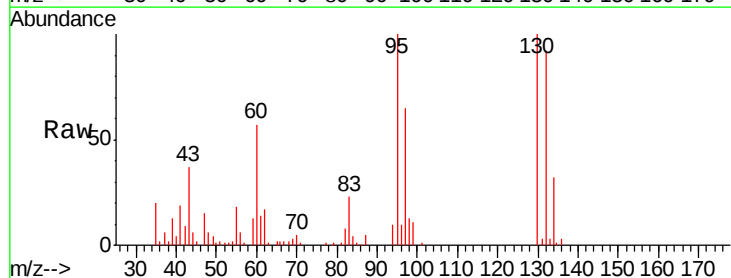
MMDadoda
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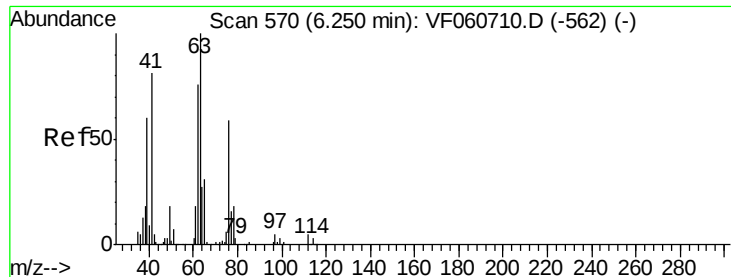


#44

Trichloroethene
 Concen: 22.44 ug/l
 RT: 5.48 min Scan# 492
 Delta R.T. -0.04 min
 Lab File: VF060722.D
 Acq: 14 Nov 2018 13:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	212.6





#45

1,2-Dichloropropane

Concen: 22.95 ug/l

RT: 6.21 min Scan# 566

Delta R.T. -0.04 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Instrument :

MSVOA_F

ClientSampleId :

VF1114SBS01

Tgt Ion: 63 Resp: 53252

Ion Ratio Lower Upper

63 100

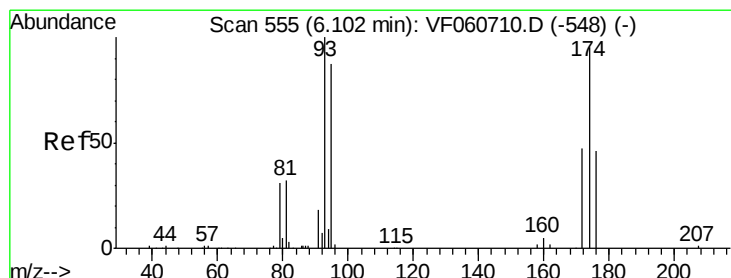
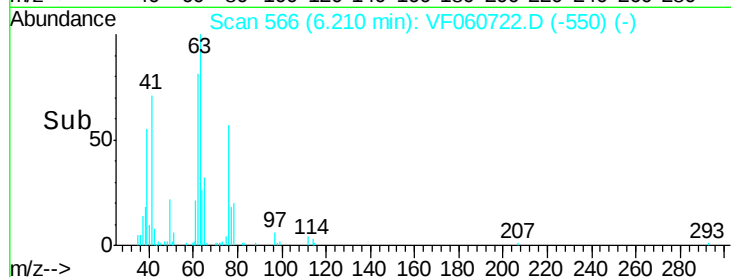
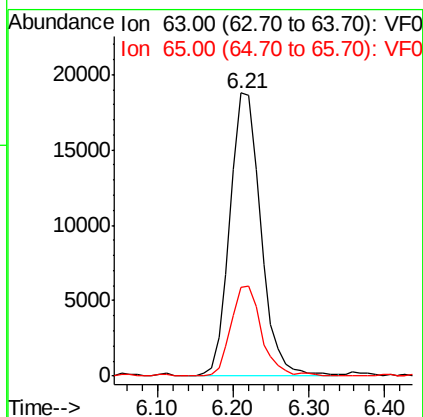
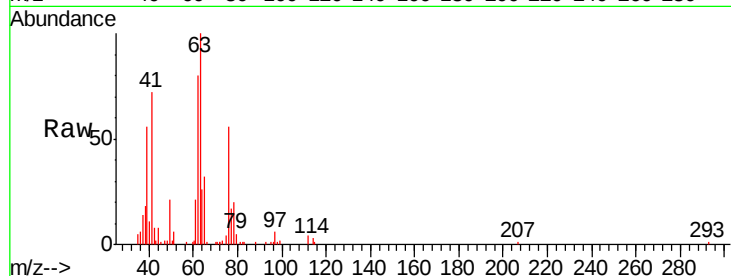
65 31.6 24.6 36.8

Manual Integrations

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#46

Dibromomethane

Concen: 22.60 ug/l

RT: 6.06 min Scan# 551

Delta R.T. -0.04 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

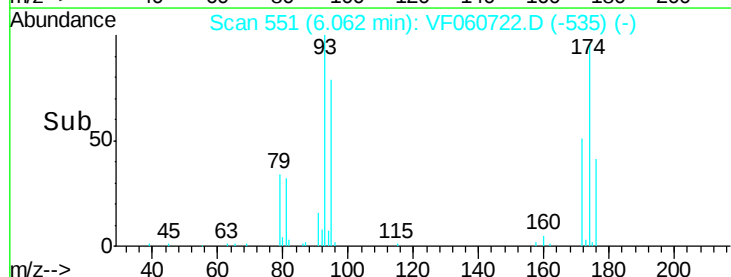
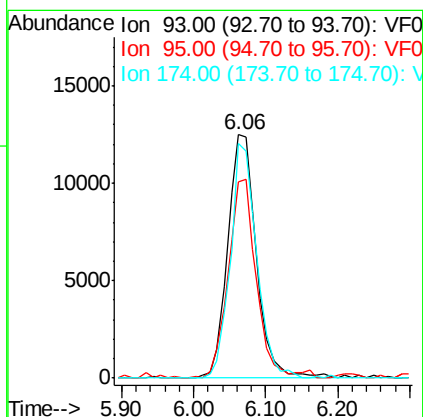
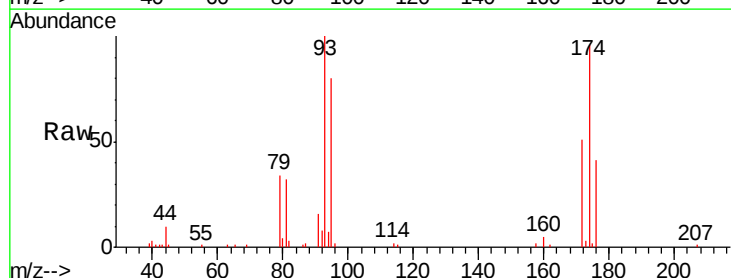
Tgt Ion: 93 Resp: 34613

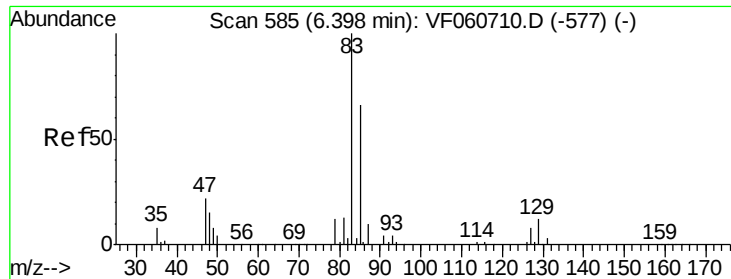
Ion Ratio Lower Upper

93 100

95 80.4 69.5 104.3

174 96.5 76.2 114.2





#47

Bromodichloromethane

Concen: 21.62 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.03 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Instrument :

MSVOA_F

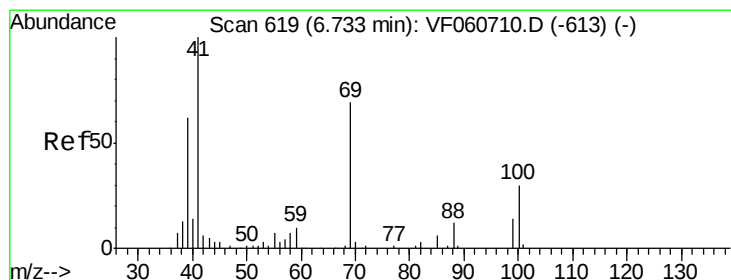
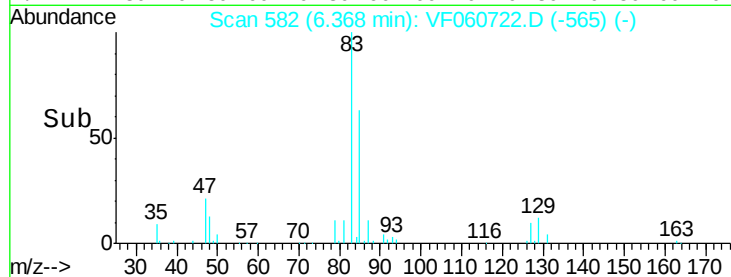
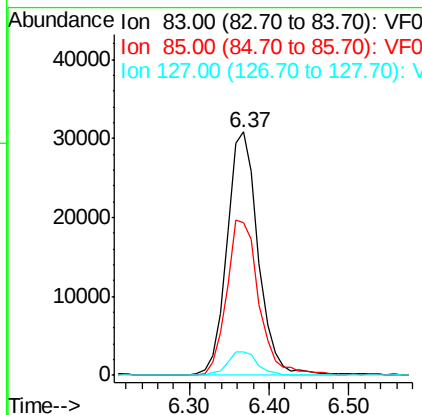
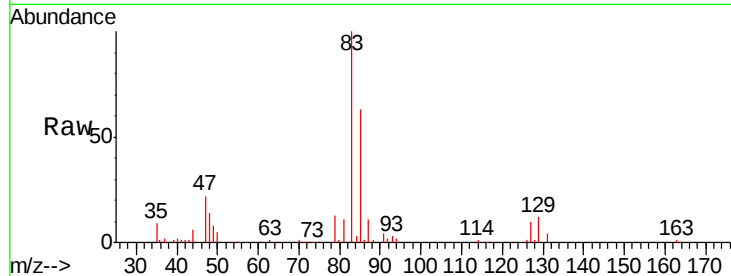
ClientSampleId :

VF1114SBS01

Tgt Ion:	83	Resp:	84553
Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.4	78.6
127	9.6	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.83 ug/l

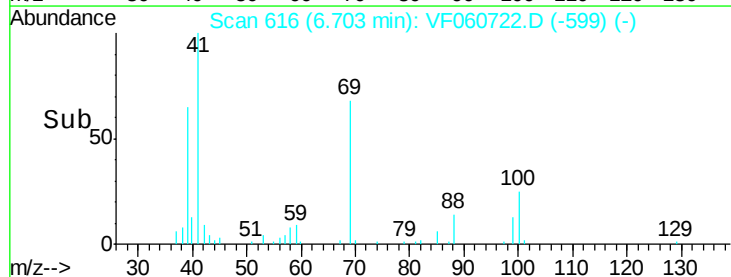
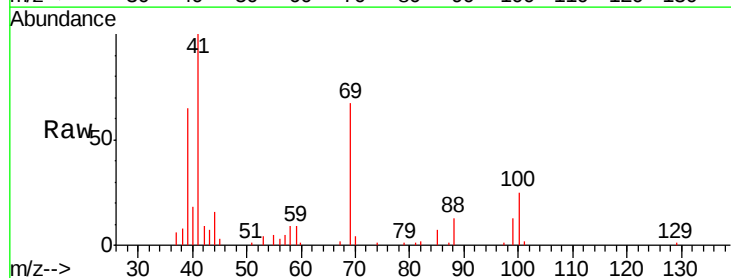
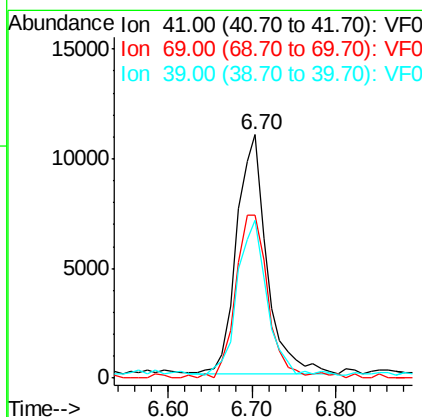
RT: 6.70 min Scan# 616

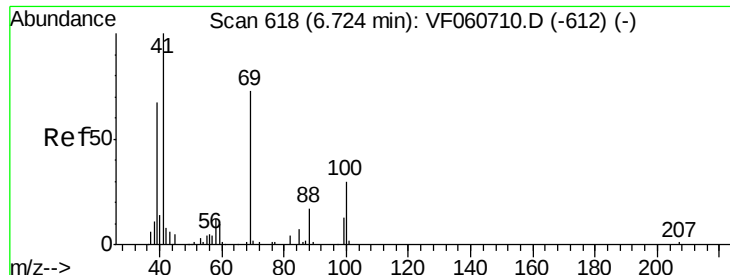
Delta R.T. -0.03 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Tgt Ion:	41	Resp:	27187
Ion	Ratio	Lower	Upper
41	100		
69	66.9	54.9	82.3
39	65.0	49.6	74.4





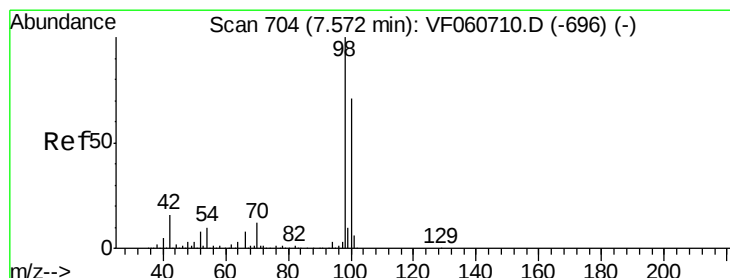
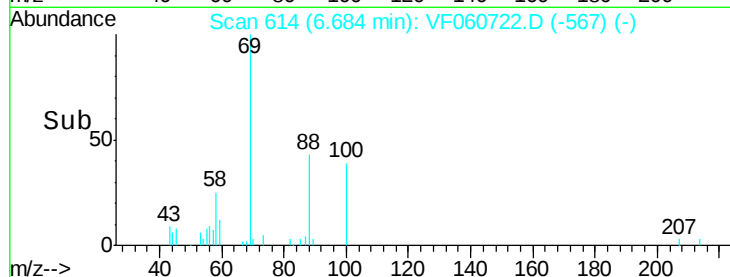
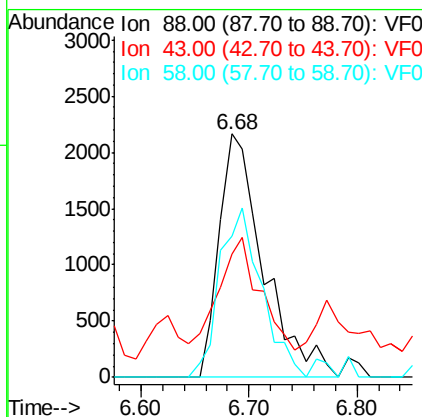
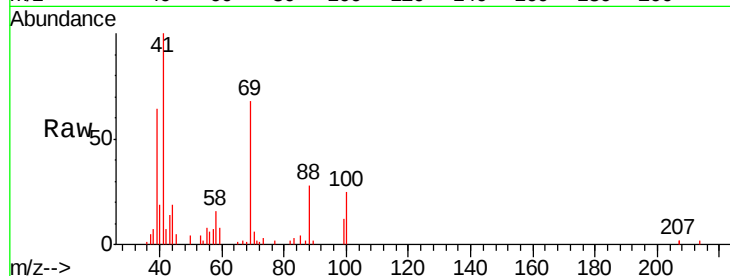
#49
1,4-Dioxane
Concen: 510.03 ug/l
RT: 6.68 min Scan# 614
Delta R.T. -0.04 min
Lab File: VF060722.D
Acq: 14 Nov 2018 13:40

Instrument :
MSVOA_F
ClientSampleId :
VF1114SBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	50.7	44.6	66.8
58	58.1	54.5	81.7

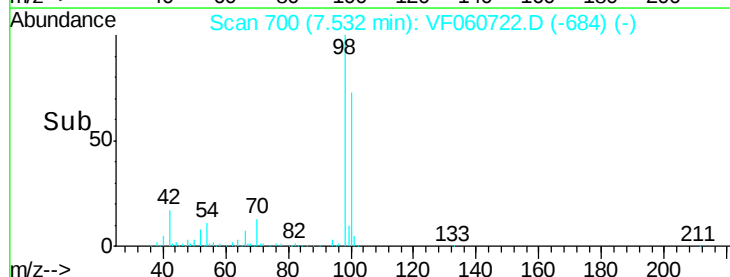
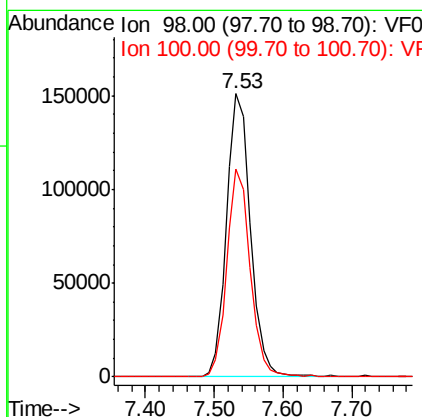
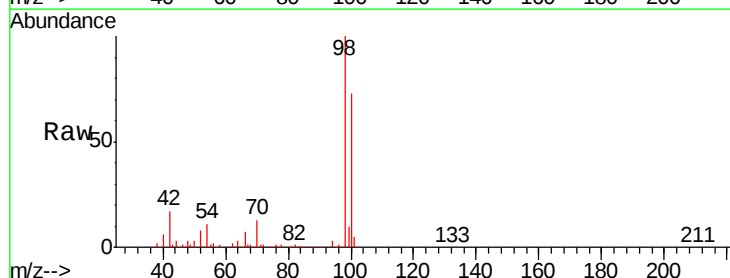
Manual Integrations
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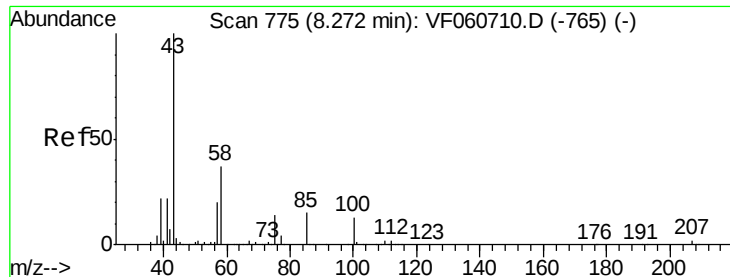
MMDadoda
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#50
Toluene-d8
Concen: 55.31 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.04 min
Lab File: VF060722.D
Acq: 14 Nov 2018 13:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	73.5	56.5	84.7





#51

4-Methyl-2-Pentanone

Concen: 107.70 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.03 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Instrument :

MSVOA_F

ClientSampleId :

VF1114SBS01

Tgt Ion: 43 Resp: 153593

Ion Ratio Lower Upper

43 100

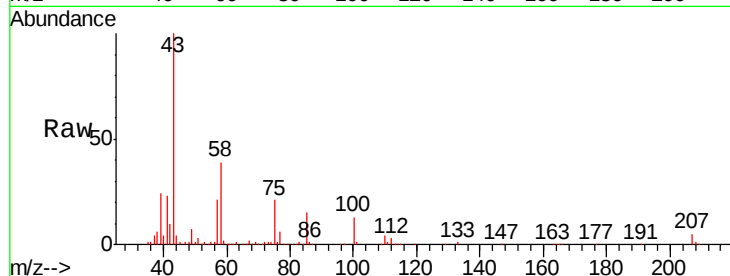
58 38.7 29.2 43.8

Manual Integrations

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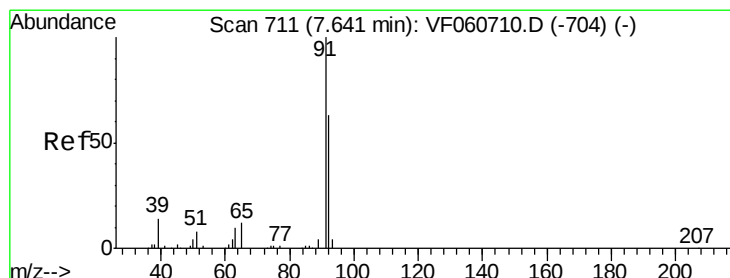
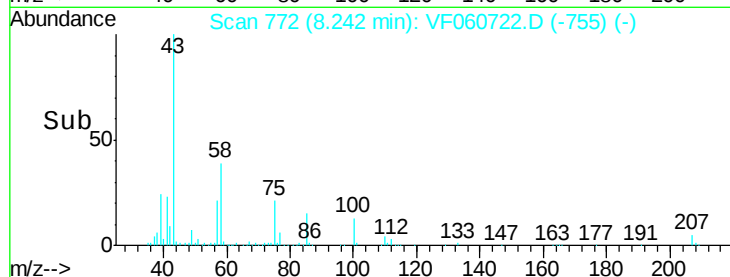
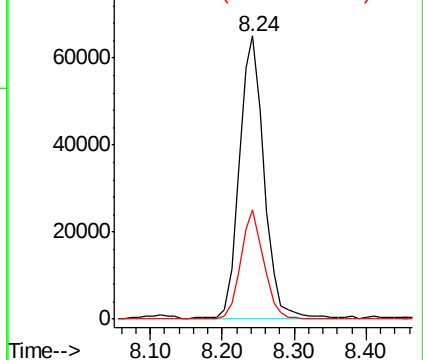
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.34 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.04 min

Lab File: VF060722.D

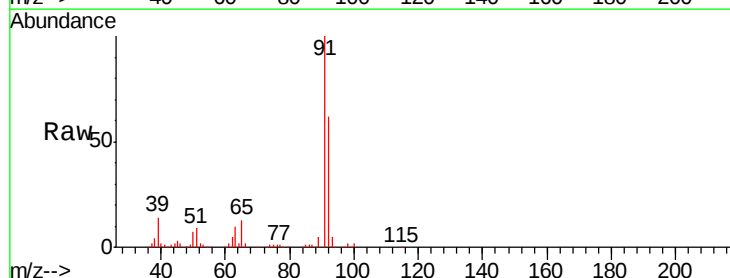
Acq: 14 Nov 2018 13:40

Tgt Ion: 92 Resp: 121527

Ion Ratio Lower Upper

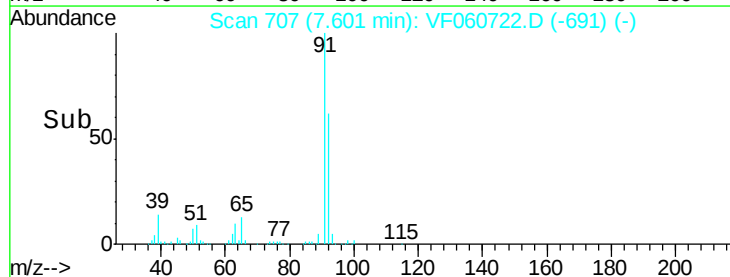
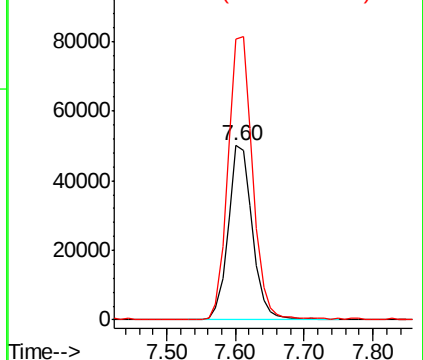
92 100

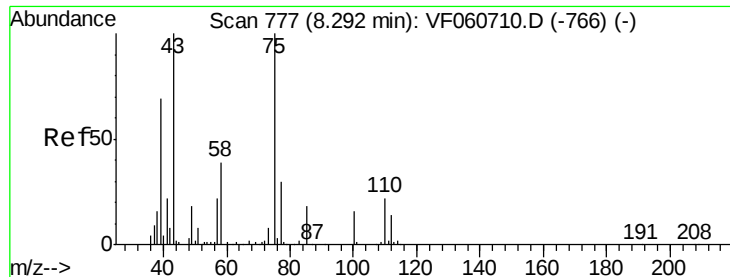
91 161.1 126.7 190.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 22.17 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.03 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Instrument :

MSVOA_F

ClientSampleId :

VF1114SBS01

Tgt Ion: 75 Resp: 69450

Ion Ratio Lower Upper

75 100

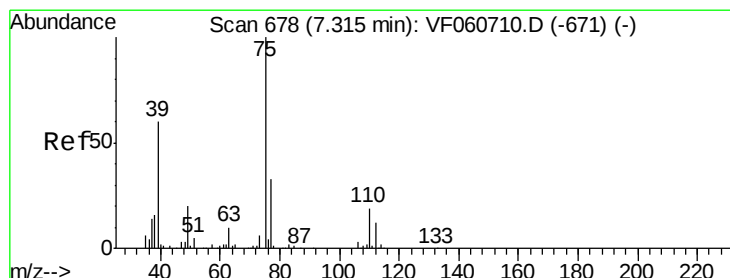
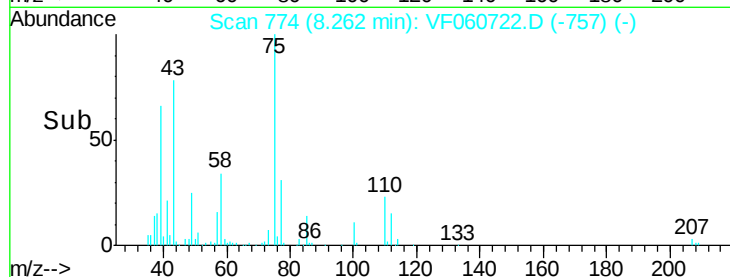
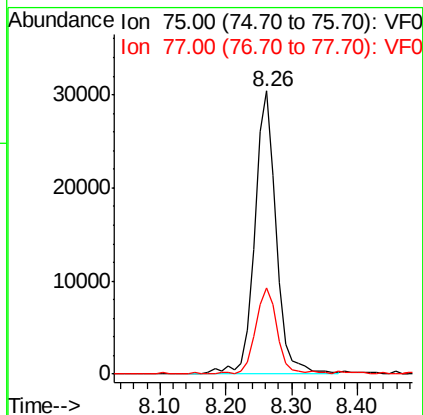
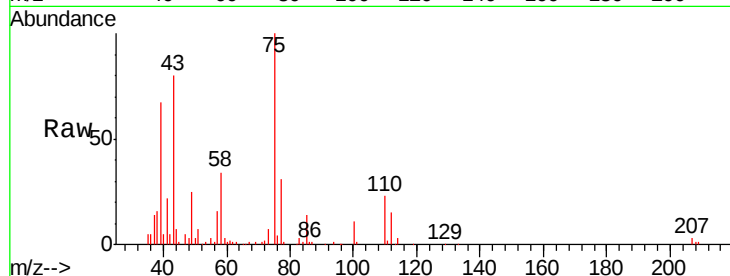
77 30.6 24.6 36.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 21.79 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.03 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

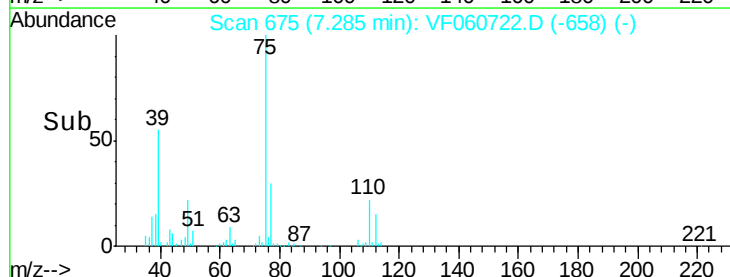
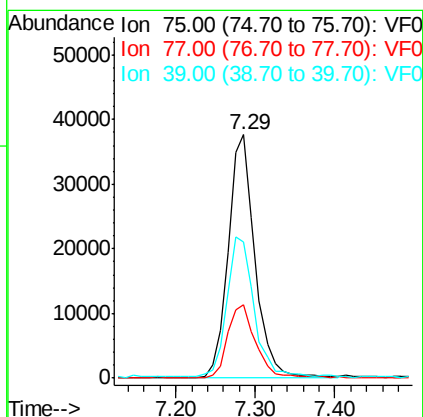
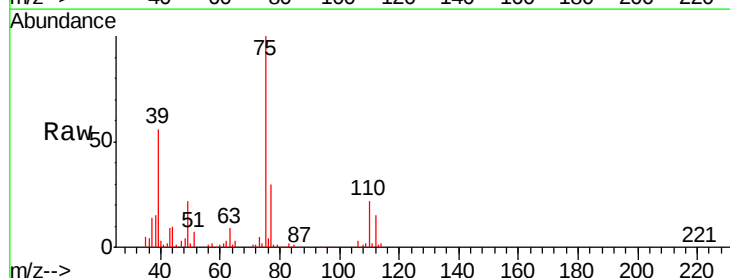
Tgt Ion: 75 Resp: 88663

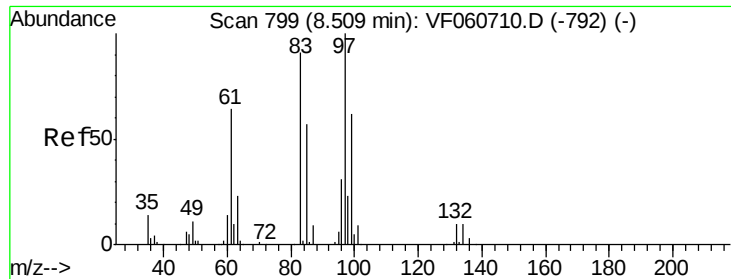
Ion Ratio Lower Upper

75 100

77 30.3 26.5 39.7

39 55.9 48.5 72.7





#55

1,1,2-Trichloroethane

Concen: 21.46 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.04 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Instrument :

MSVOA_F

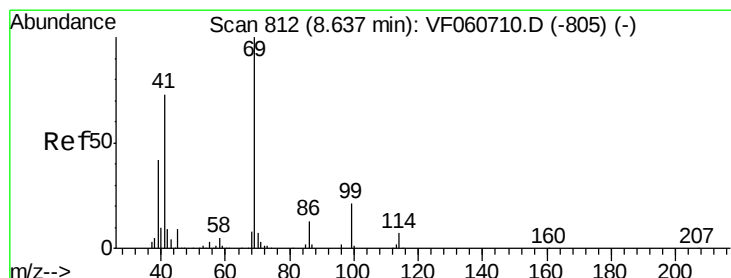
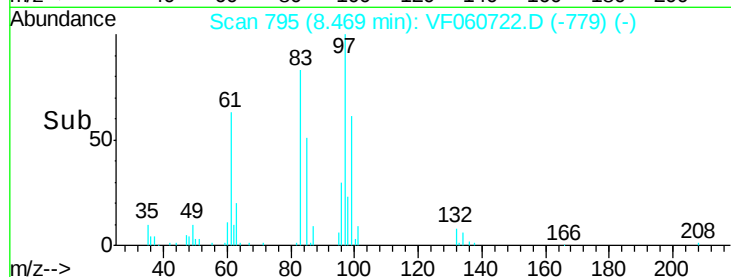
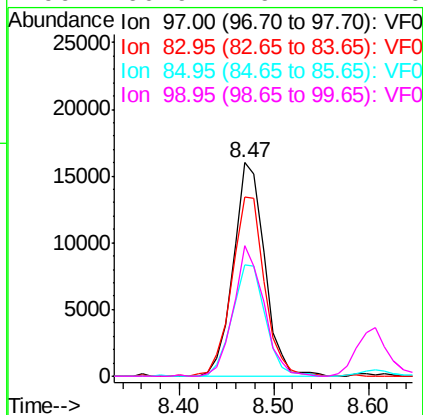
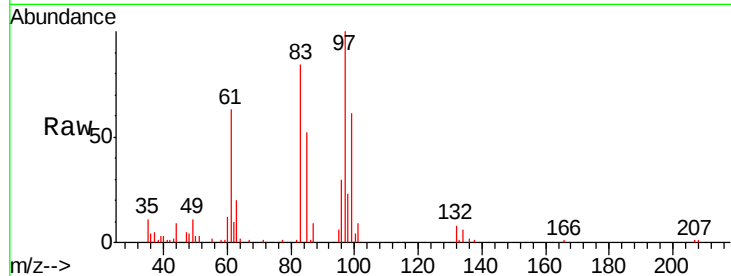
ClientSampleId :

VF1114SBS01

Tgt Ion:	97	Resp:	36645
Ion	Ratio	Lower	Upper
97	100		
83	84.0	72.8	109.2
85	51.9	45.8	68.6
99	60.9	49.4	74.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 20.20 ug/l

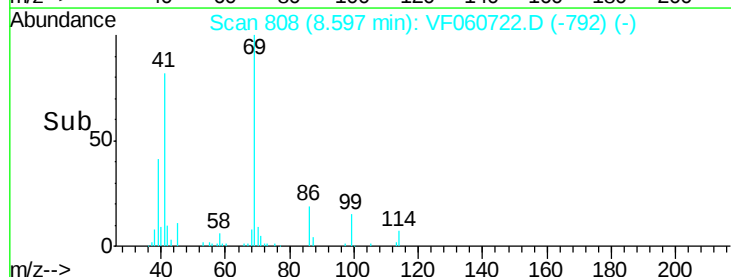
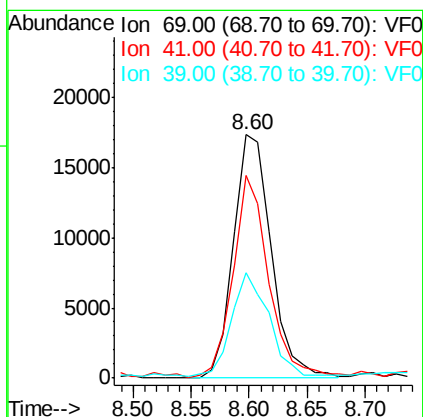
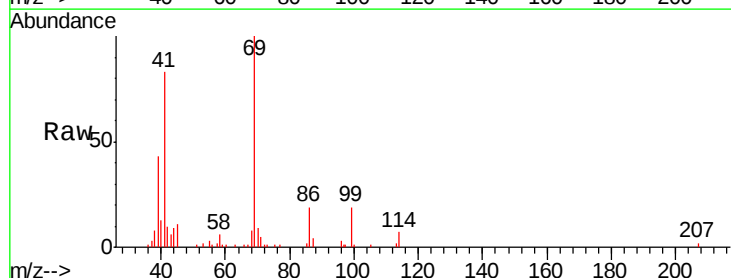
RT: 8.60 min Scan# 808

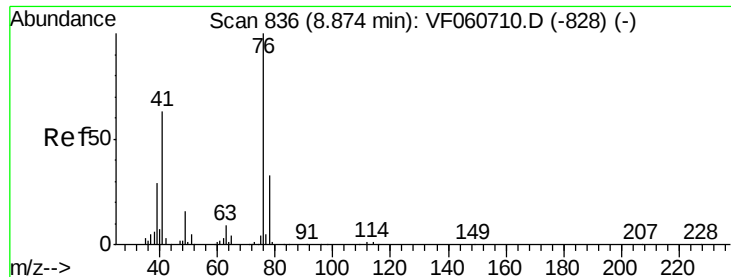
Delta R.T. -0.04 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Tgt Ion:	69	Resp:	39173
Ion	Ratio	Lower	Upper
69	100		
41	83.3	59.0	88.6
39	43.4	34.0	51.0





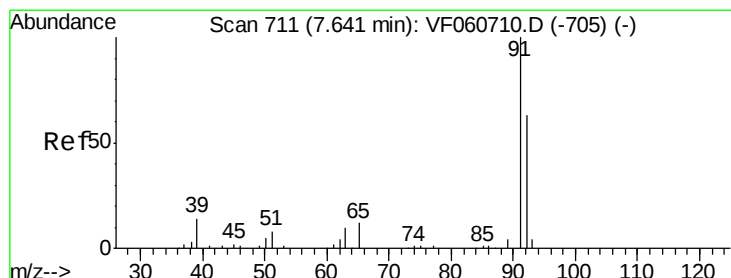
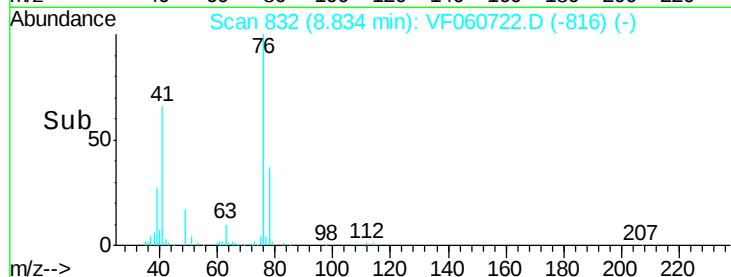
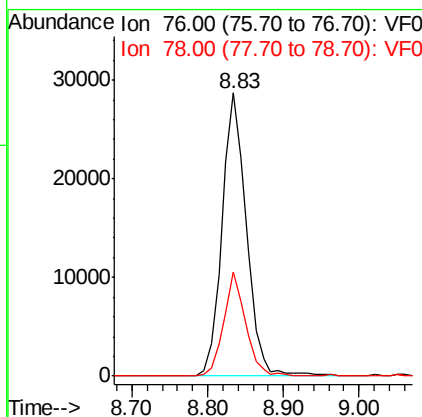
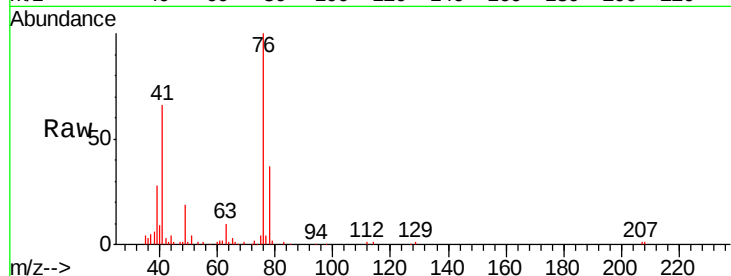
#57
 1,3-Dichloropropane
 Concen: 21.67 ug/l
 RT: 8.83 min Scan# 832
 Delta R.T. -0.04 min
 Lab File: VF060722.D
 Acq: 14 Nov 2018 13:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1114SBS01

Tgt Ion: 76 Resp: 64112
 Ion Ratio Lower Upper
 76 100
 78 36.9 26.6 39.8

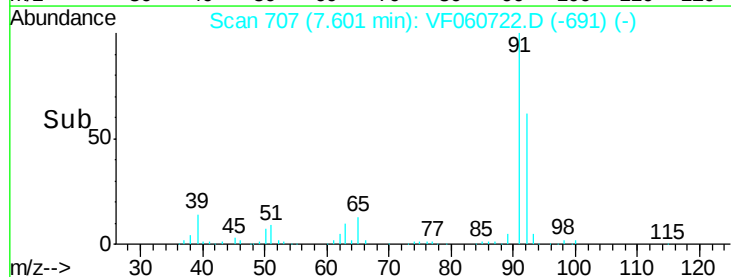
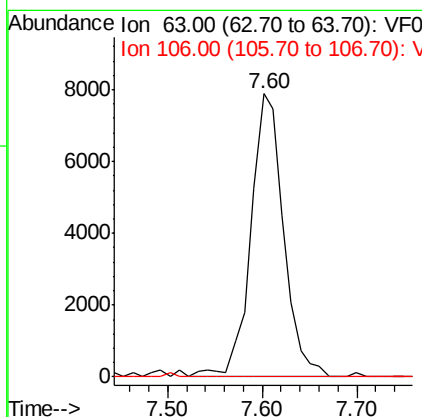
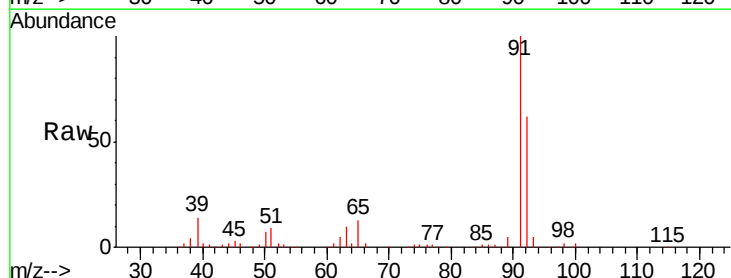
Manual Integrations
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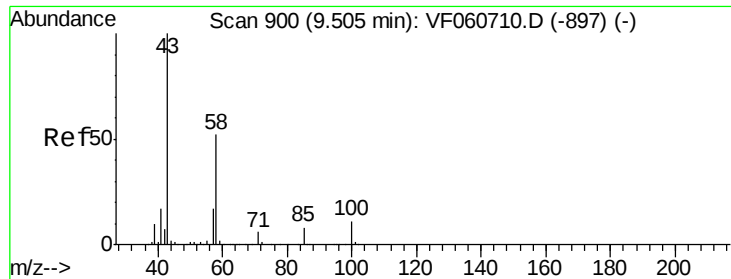
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#58
 2-Chloroethyl Vinyl ether
 Concen: 107.17 ug/l
 RT: 7.60 min Scan# 707
 Delta R.T. -0.04 min
 Lab File: VF060722.D
 Acq: 14 Nov 2018 13:40

Tgt Ion: 63 Resp: 18983
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0





#59

2-Hexanone

Concen: 104.86 ug/l

RT: 9.48 min Scan# 897

Delta R.T. -0.03 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Instrument :

MSVOA_F

ClientSampleId :

VF1114SBS01

Tgt Ion: 43 Resp: 105095

Ion Ratio Lower Upper

43 100

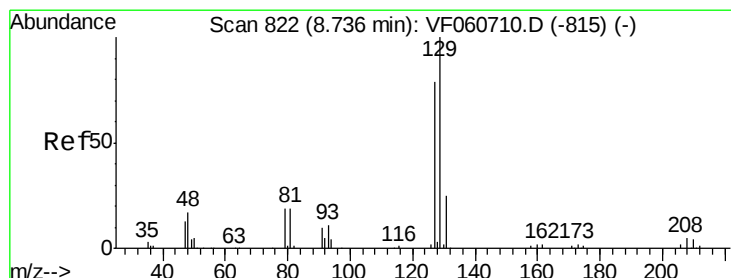
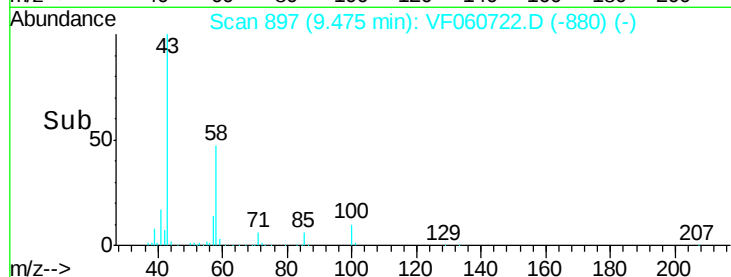
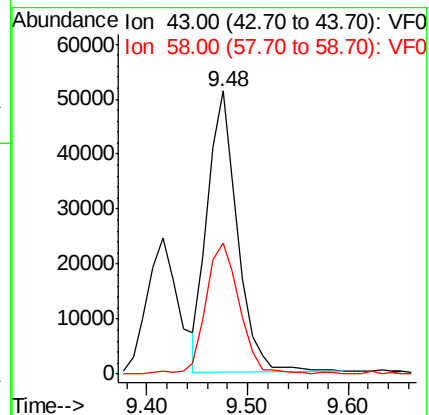
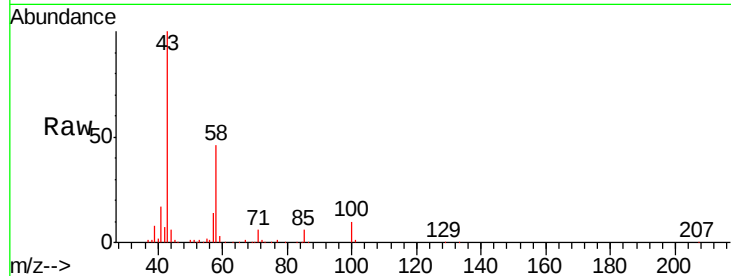
58 46.4 24.9 74.7

Manual Integrations

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#60

Dibromochloromethane

Concen: 21.60 ug/l

RT: 8.70 min Scan# 818

Delta R.T. -0.04 min

Lab File: VF060722.D

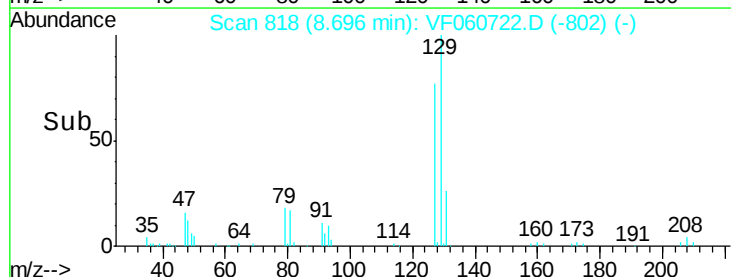
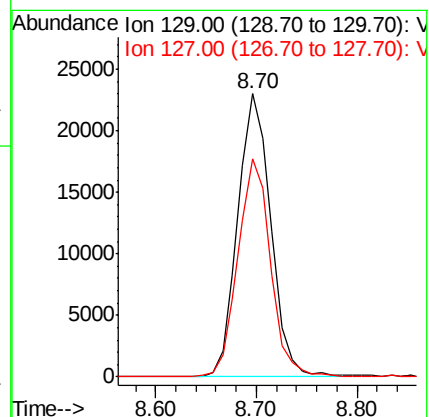
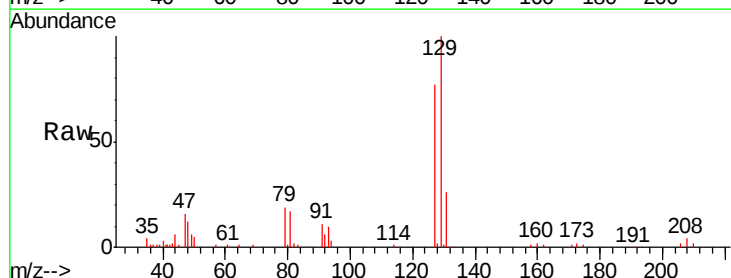
Acq: 14 Nov 2018 13:40

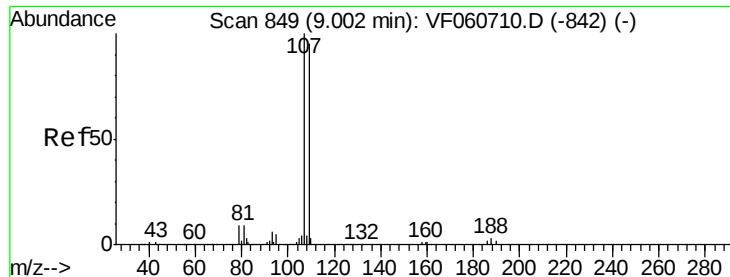
Tgt Ion: 129 Resp: 52550

Ion Ratio Lower Upper

129 100

127 77.2 39.7 119.1





#61

1,2-Dibromoethane

Concen: 21.67 ug/l

RT: 8.96 min Scan# 845

Delta R.T. -0.04 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Instrument :

MSVOA_F

ClientSampleId :

VF1114SBS01

Tgt Ion: 107 Resp: 38917

Ion Ratio Lower Upper

107 100

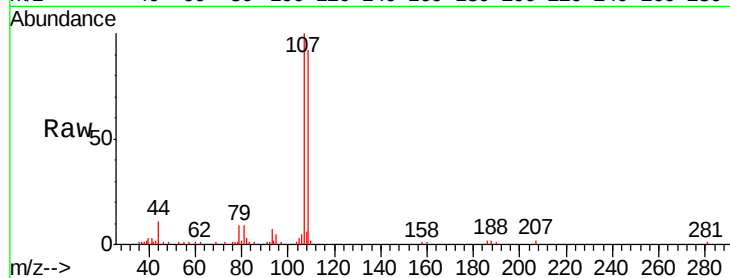
109 91.9 75.9 113.9

Manual Integrations

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

20000

15000

10000

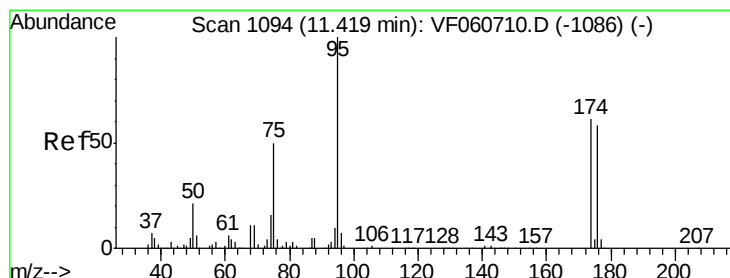
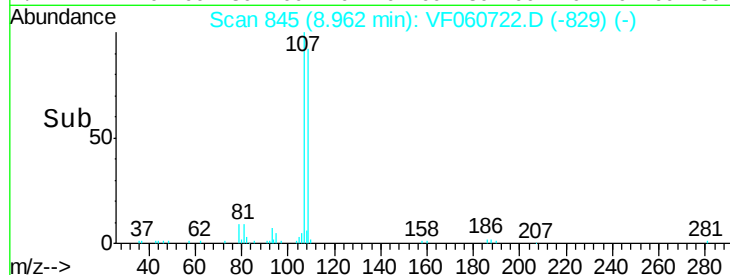
5000

0

8.96

8.90 9.00 9.10

Time-->



#62

4-Bromofluorobenzene

Concen: 58.75 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

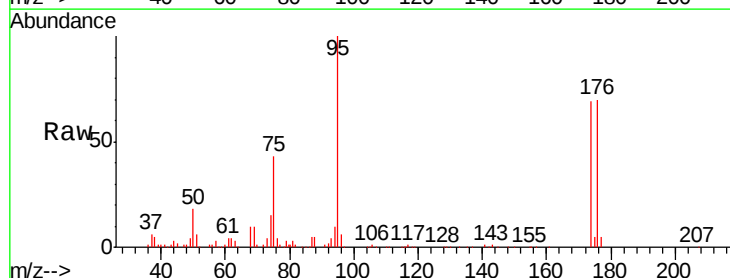
Tgt Ion: 95 Resp: 178101

Ion Ratio Lower Upper

95 100

174 69.1 0.0 121.6

176 69.6 0.0 115.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

150000

100000

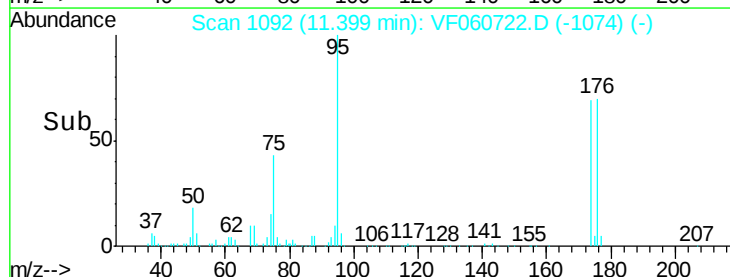
50000

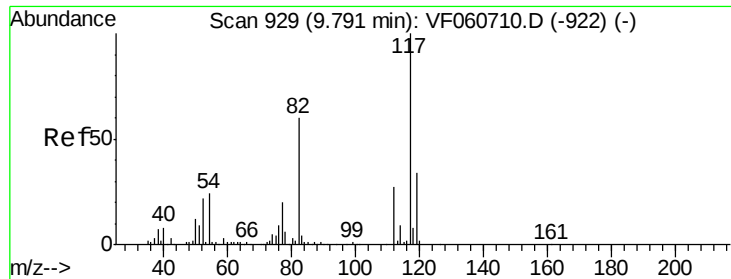
0

11.40

11.30 11.40 11.50

Time-->





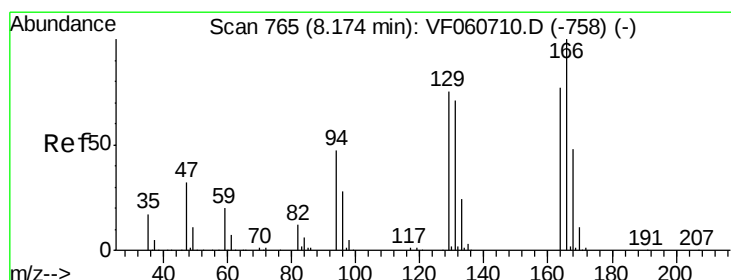
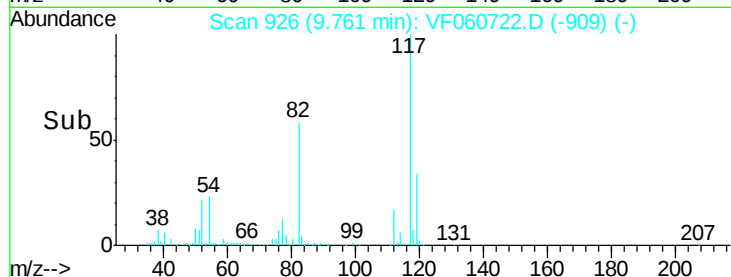
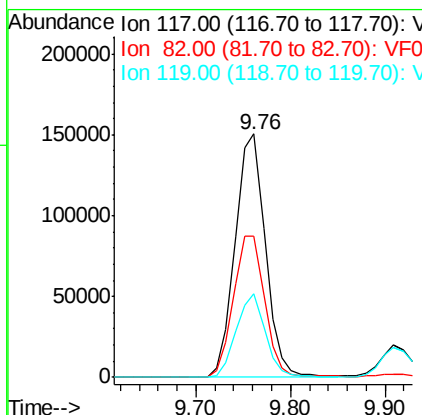
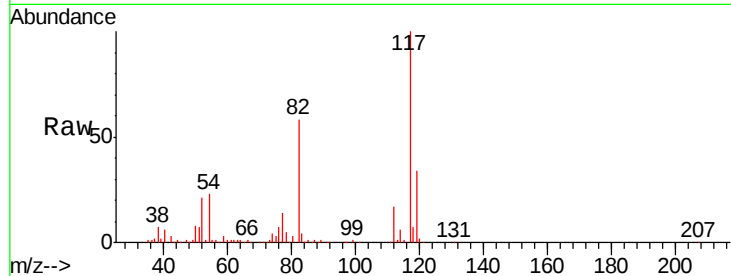
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.03 min
Lab File: VF060722.D
Acq: 14 Nov 2018 13:40

Instrument :
MSVOA_F
ClientSampleId :
VF1114SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	335861		
82	57.9	47.9	71.9	
119	34.1	26.8	40.2	

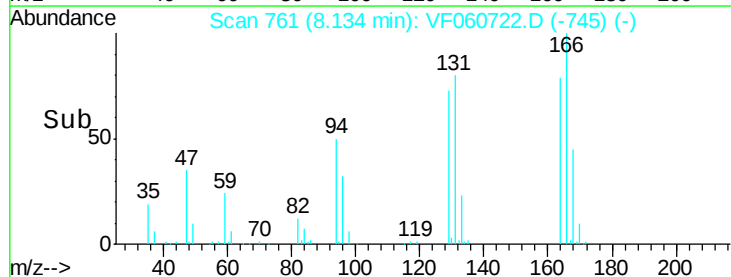
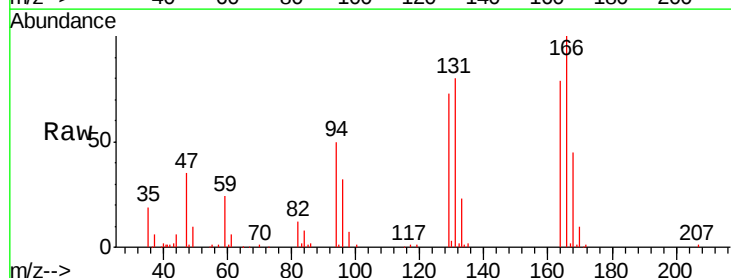
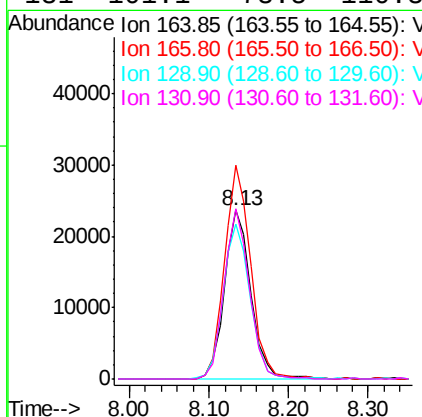
Manual Integrations
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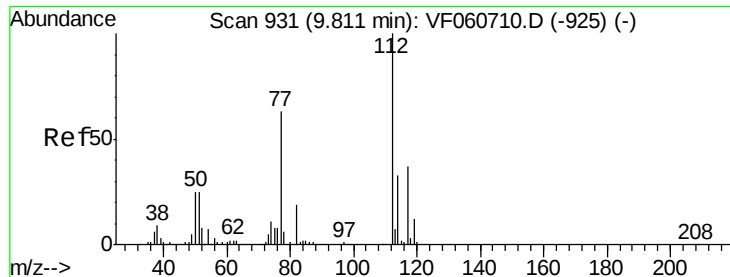
MMDadoda
11/15/2018 2:36:20 PM



#64
Tetrachloroethene
Concen: 20.73 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.04 min
Lab File: VF060722.D
Acq: 14 Nov 2018 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	55124		
166	126.5	103.5	155.3	
129	92.0	77.4	116.2	
131	101.1	73.5	110.3	





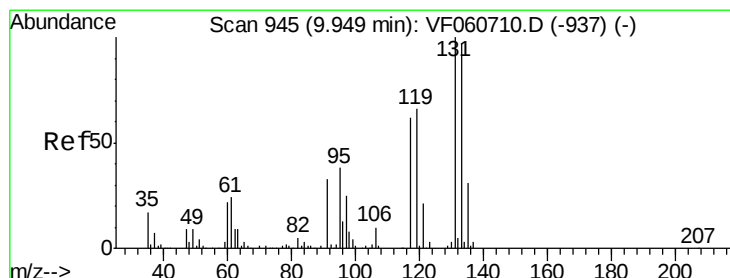
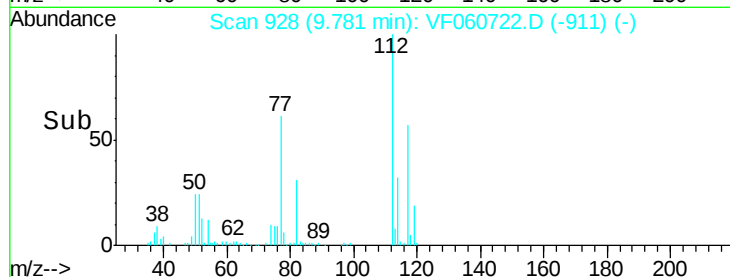
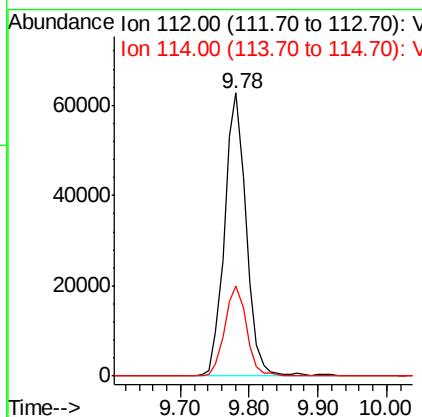
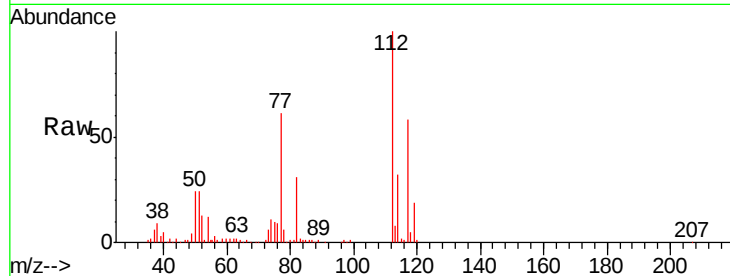
#65
Chlorobenzene
Concen: 20.25 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.03 min
Lab File: VF060722.D
Acq: 14 Nov 2018 13:40

Instrument :
MSVOA_F
ClientSampleId :
VF1114SBS01

Tgt Ion:112 Resp: 137266
Ion Ratio Lower Upper
112 100
114 32.0 26.1 39.1

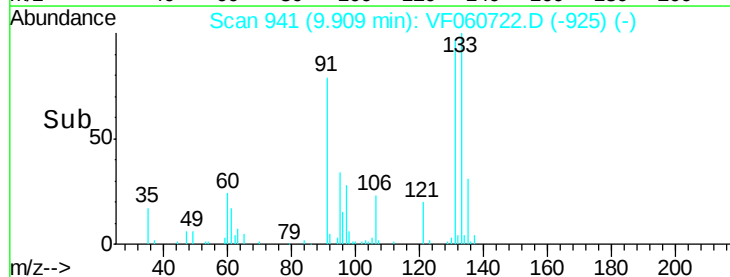
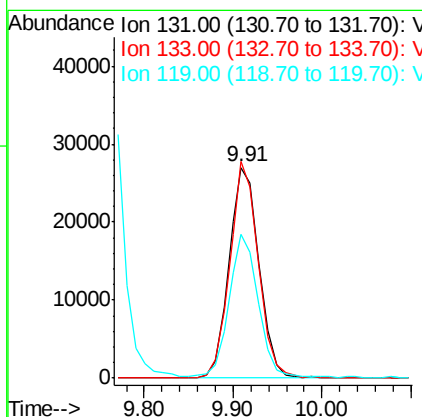
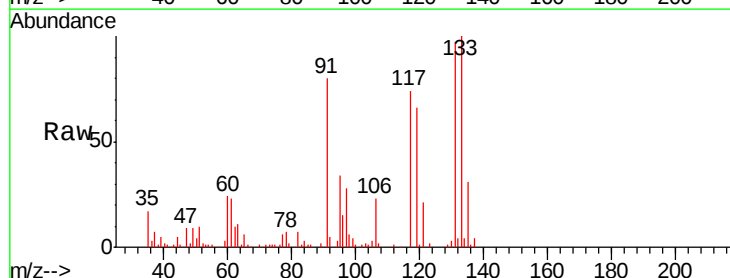
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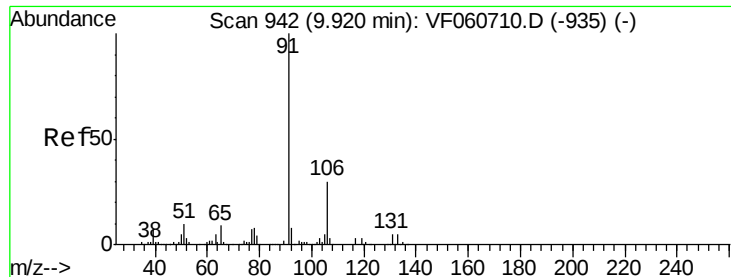
MMDadoda
11/15/2018 2:36:20 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.47 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.04 min
Lab File: VF060722.D
Acq: 14 Nov 2018 13:40

Tgt Ion:131 Resp: 63467
Ion Ratio Lower Upper
131 100
133 103.0 48.3 144.8
119 68.2 33.2 99.6





#67

Ethyl Benzene

Concen: 21.43 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.04 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Instrument :

MSVOA_F

ClientSampleId :

VF1114SBS01

Tgt Ion: 91 Resp: 273755

Ion Ratio Lower Upper

91 100

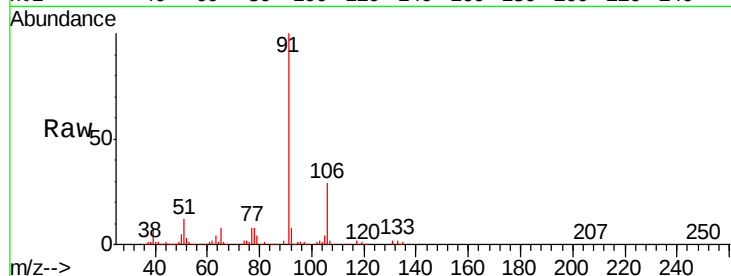
106 29.1 23.9 35.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

200000

150000

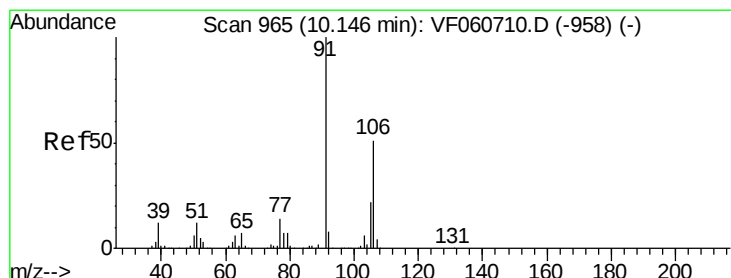
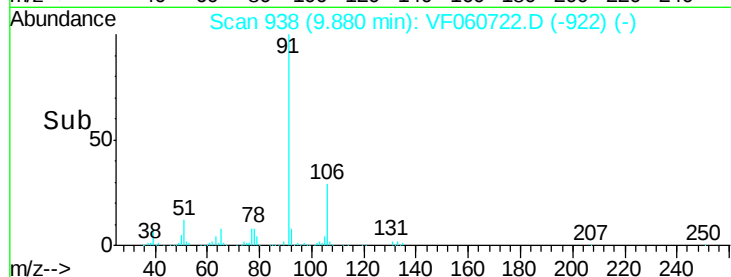
100000

50000

0

9.80 9.90 10.00

Time-->



#68

m/p-Xylenes

Concen: 42.09 ug/l

RT: 10.12 min Scan# 962

Delta R.T. -0.03 min

Lab File: VF060722.D

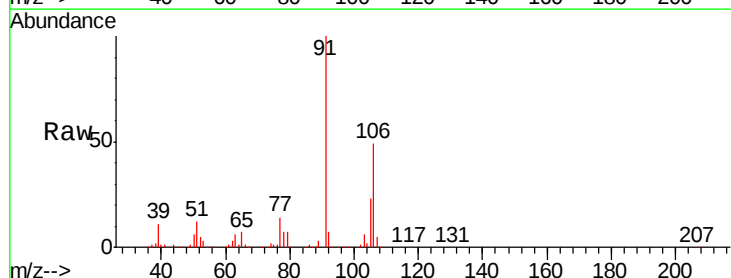
Acq: 14 Nov 2018 13:40

Tgt Ion: 106 Resp: 192169

Ion Ratio Lower Upper

106 100

91 202.6 158.2 237.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

200000

150000

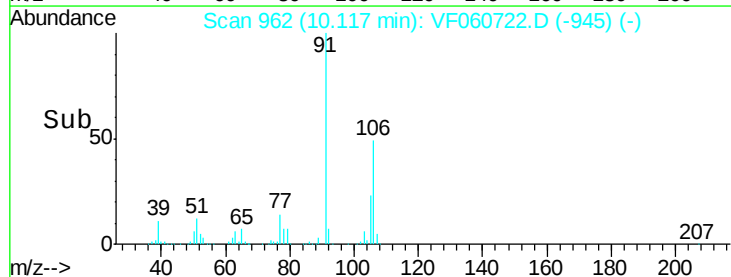
100000

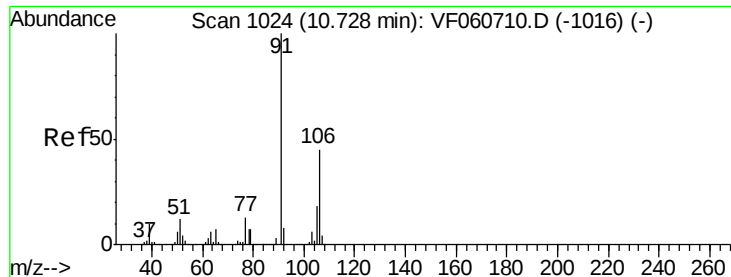
50000

0

10.00 10.20

Time-->





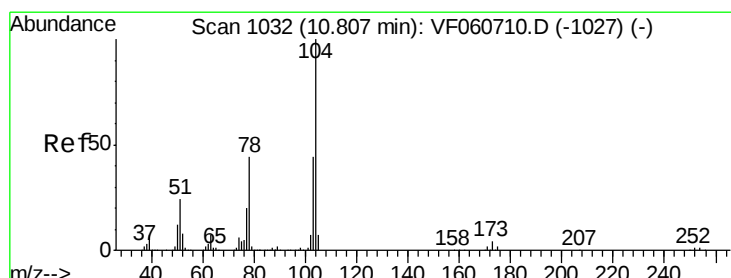
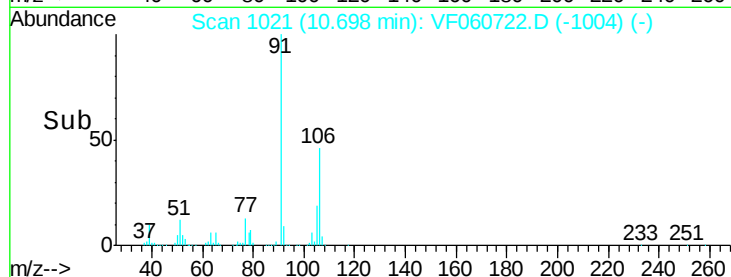
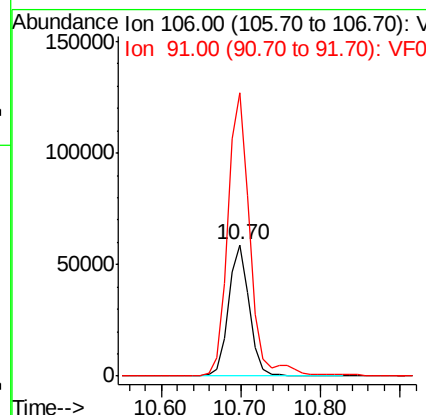
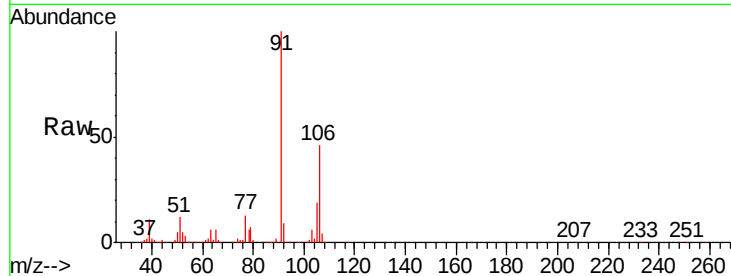
#69
o-Xylene
Concen: 21.18 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.03 min
Lab File: VF060722.D
Acq: 14 Nov 2018 13:40

Instrument :
MSVOA_F
ClientSampleId :
VF1114SBS01

Tgt Ion:106 Resp: 108739
Ion Ratio Lower Upper
106 100
91 216.0 110.3 330.9

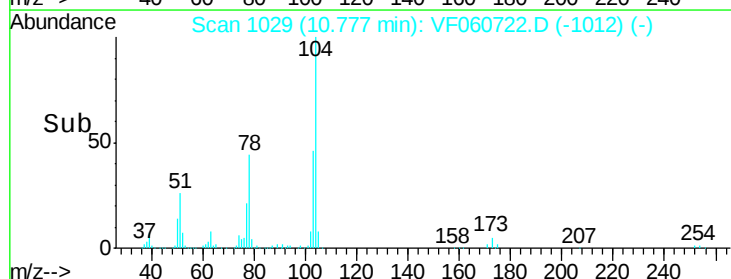
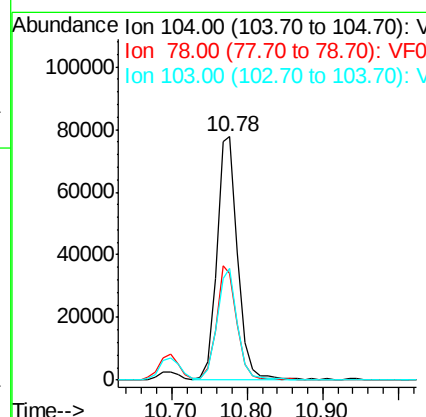
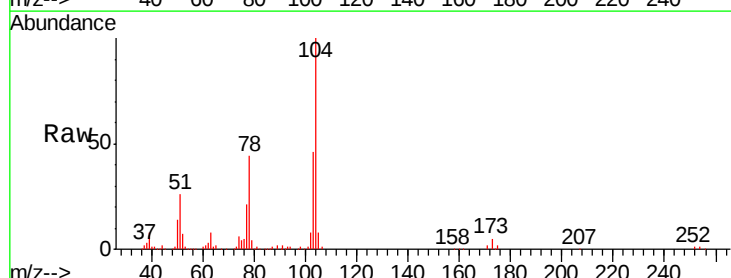
Manual Integrations
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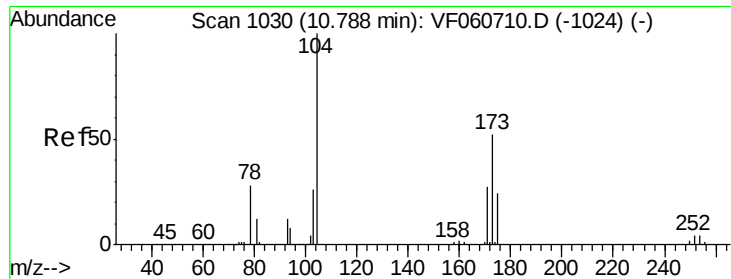
MMDadoda
11/15/2018 2:36:20 PM



#70
Styrene
Concen: 21.56 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.03 min
Lab File: VF060722.D
Acq: 14 Nov 2018 13:40

Tgt Ion:104 Resp: 150154
Ion Ratio Lower Upper
104 100
78 43.9 35.4 53.2
103 45.7 35.8 53.6





#71

Bromoform

Concen: 20.93 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.03 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Instrument :

MSVOA_F

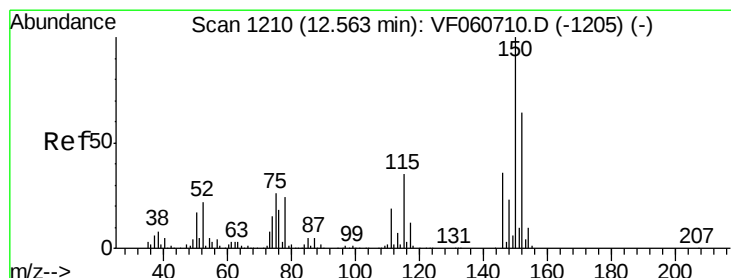
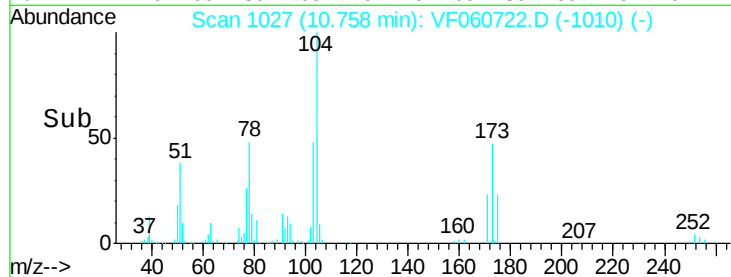
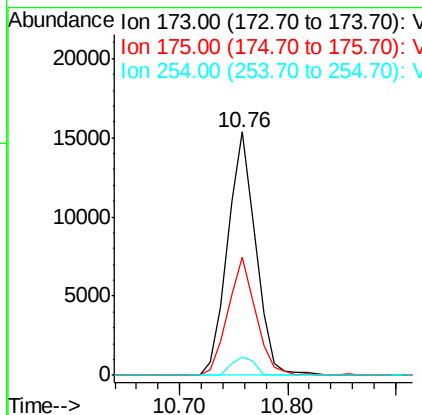
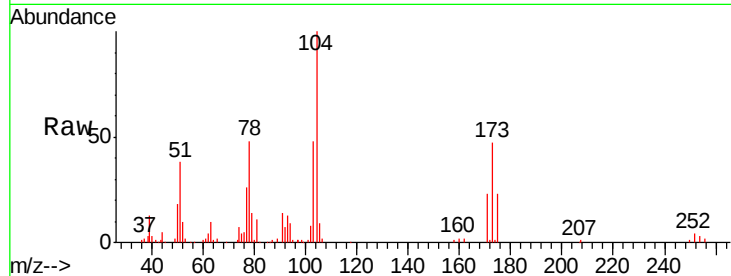
ClientSampleId :

VF1114SBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.4	70.0
254	7.4	5.8	8.8

Manual Integrations
APPROVED

MMDadoda
11/15/2018 2:36:20 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

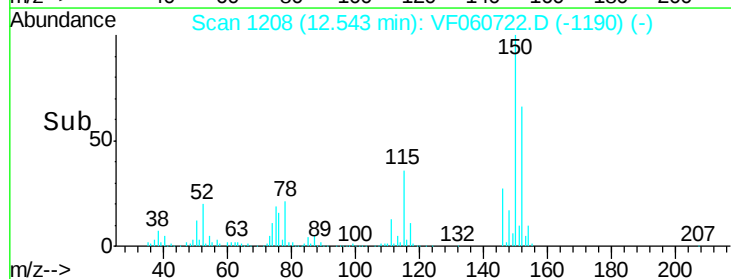
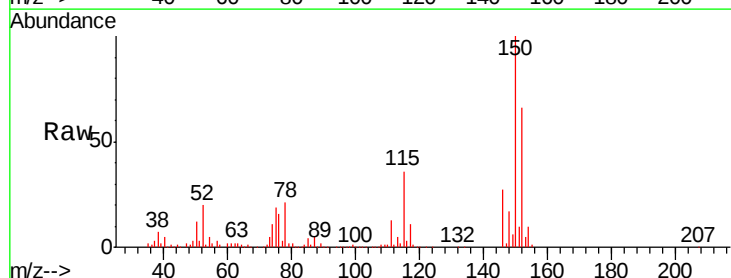
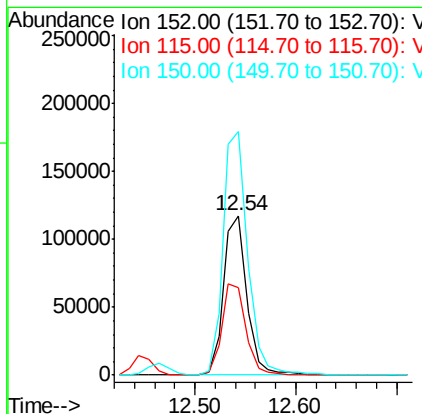
RT: 12.54 min Scan# 1208

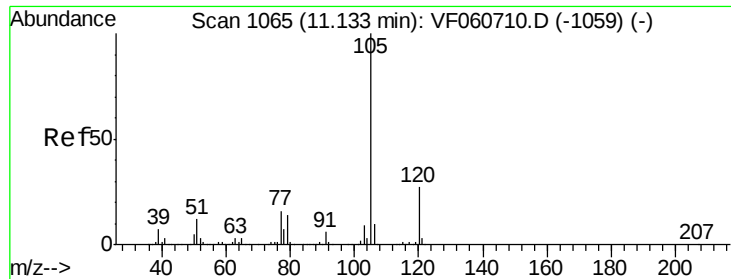
Delta R.T. -0.02 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	27.9	83.7
150	152.6	0.0	316.4





#73

Isopropylbenzene

Concen: 21.43 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.02 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Instrument :

MSVOA_F

ClientSampleId :

VF1114SBS01

Tgt Ion: 105 Resp: 326176

Ion Ratio Lower Upper

105 100

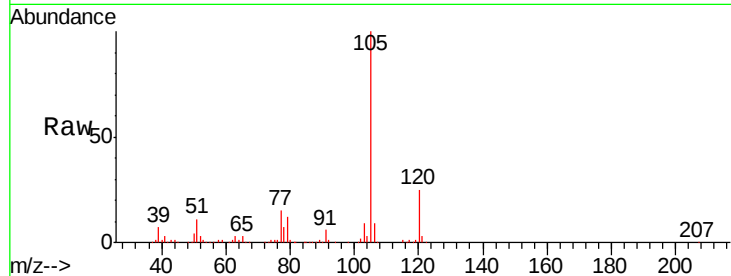
120 25.0 13.4 40.1

Manual Integrations

APPROVED

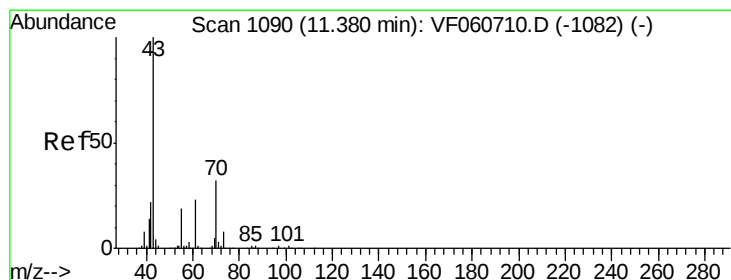
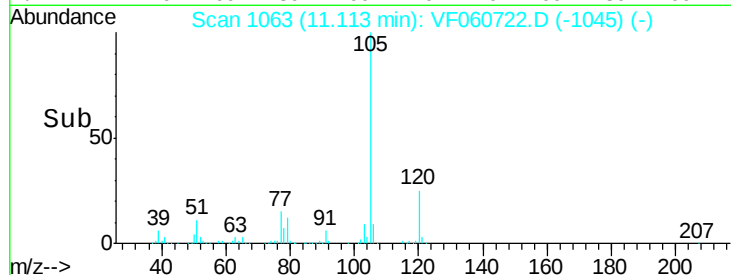
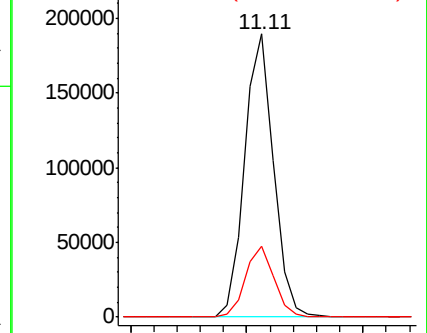
MMDadoda

11/15/2018 2:36:20 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.37 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.02 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Tgt Ion: 43 Resp: 74050

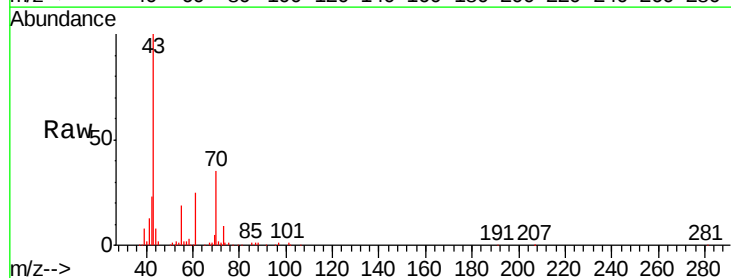
Ion Ratio Lower Upper

43 100

70 34.6 25.5 38.3

55 19.1 14.9 22.3

61 24.7 18.6 27.8

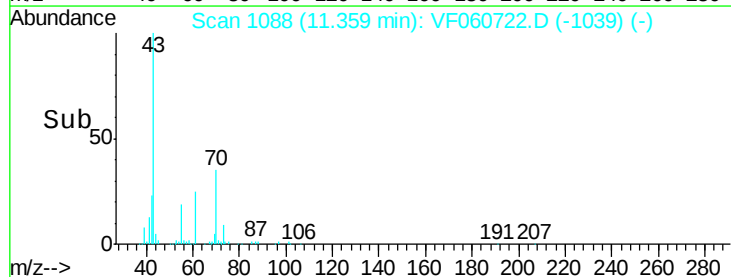
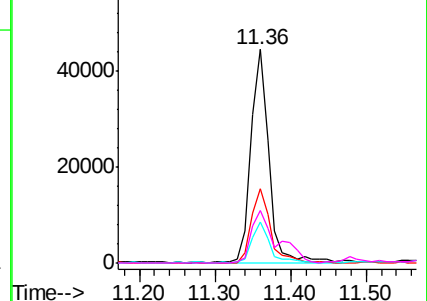


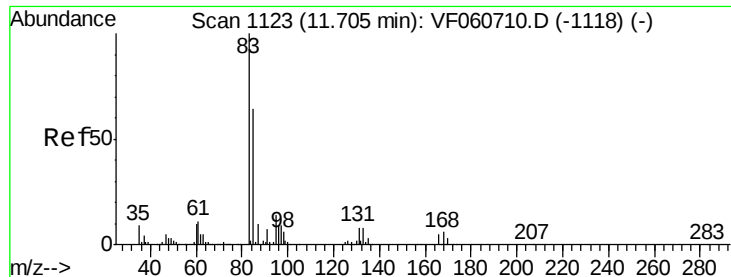
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.88 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Instrument :

MSVOA_F

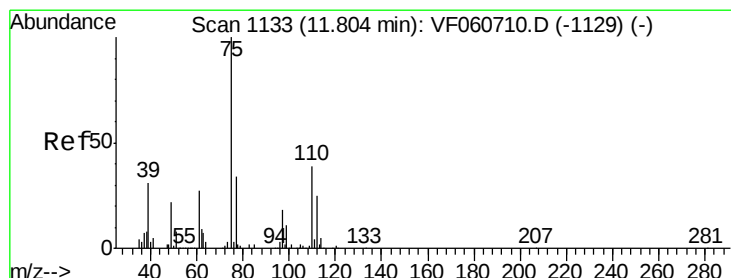
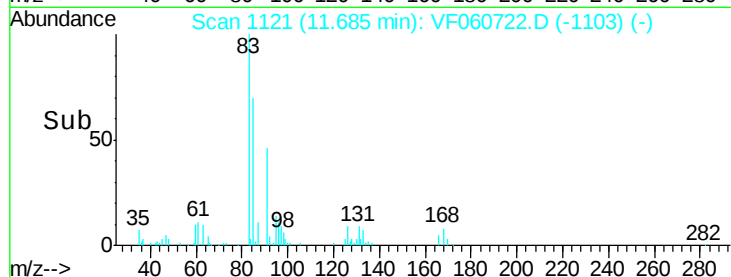
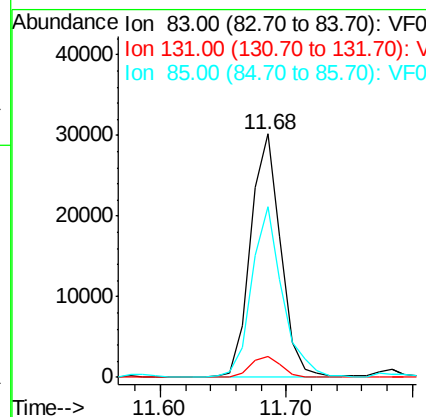
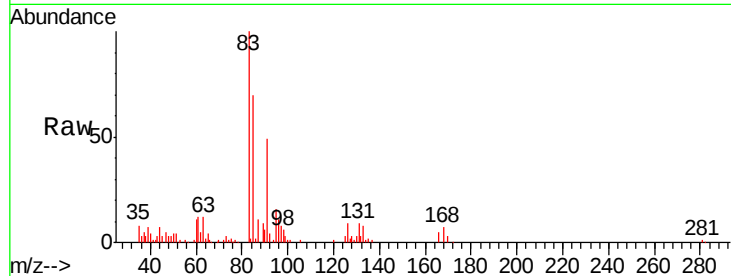
ClientSampleId :

VF1114SBS01

Tgt Ion:	83	Resp:	50031
Ion Ratio	Lower	Upper	
83	100		
131	8.8	4.2	12.4
85	70.0	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.31 ug/l

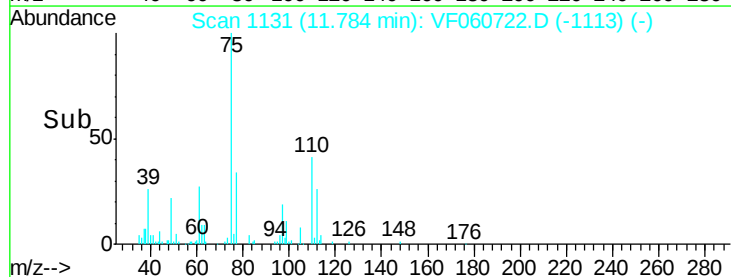
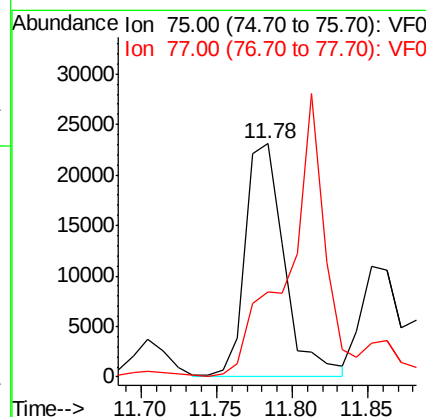
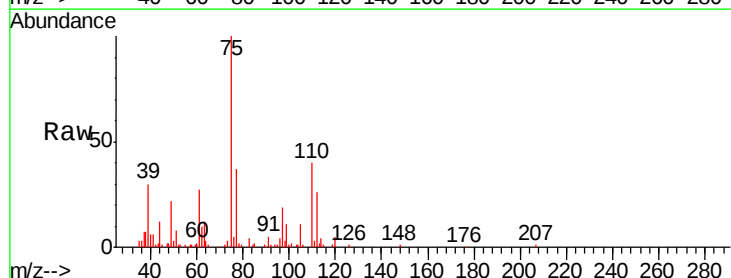
RT: 11.78 min Scan# 1131

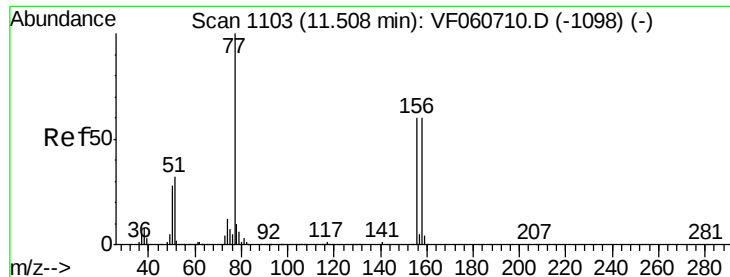
Delta R.T. -0.02 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Tgt Ion:	75	Resp:	41689
Ion Ratio	Lower	Upper	
75	100		
77	36.6	17.0	51.0





#77

Bromobenzene

Concen: 21.07 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.02 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Instrument :

MSVOA_F

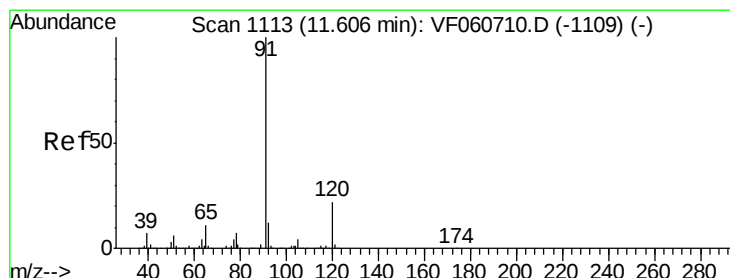
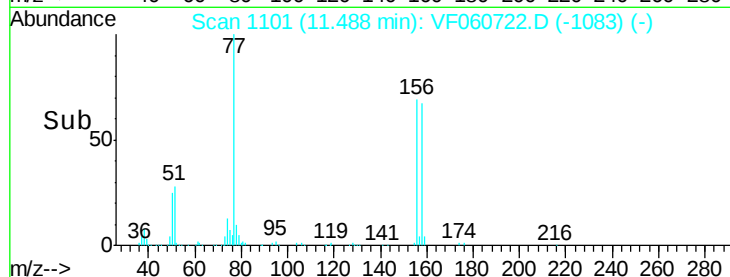
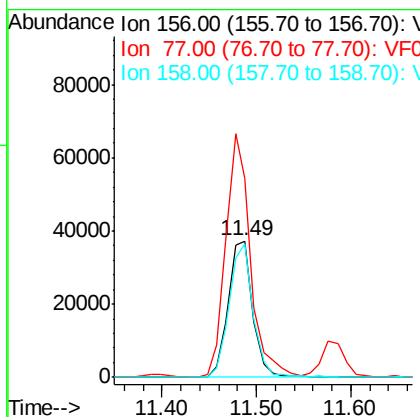
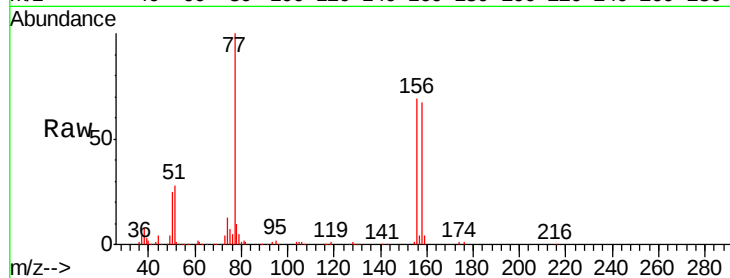
ClientSampleId :

VF1114SBS01

Tgt Ion:	156	Resp:	66765
Ion	Ratio	Lower	Upper
156	100		
77	145.6	83.0	248.9
158	97.6	49.6	149.0

Manual Integrations
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#78

n-propylbenzene

Concen: 21.60 ug/l

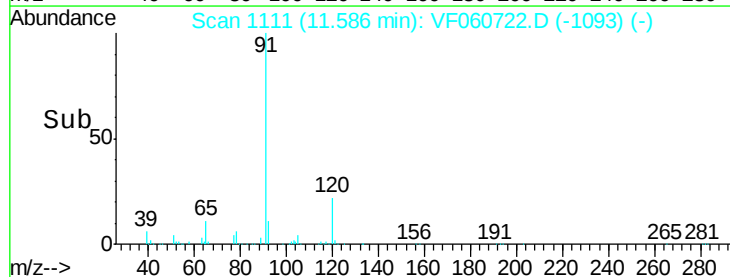
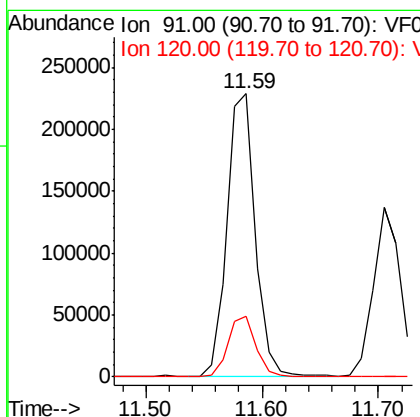
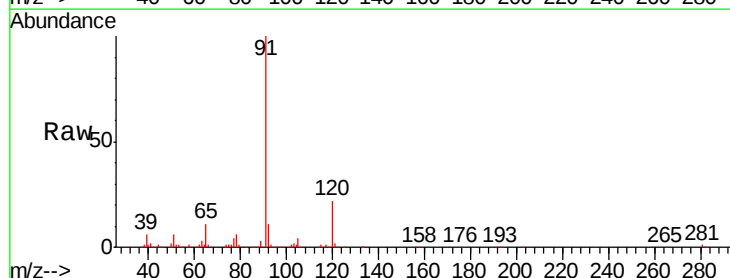
RT: 11.59 min Scan# 1111

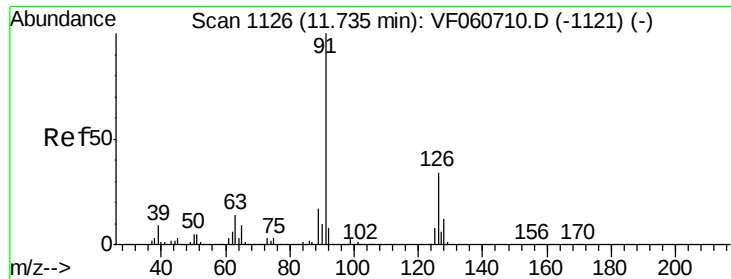
Delta R.T. -0.02 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Tgt Ion:	91	Resp:	383431
Ion	Ratio	Lower	Upper
91	100		
120	21.5	11.2	33.5





#79

2-Chlorotoluene

Concen: 21.12 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.03 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Instrument :

MSVOA_F

ClientSampleId :

VF1114SBS01

Tgt Ion: 91 Resp: 217900

Ion Ratio Lower Upper

91 100

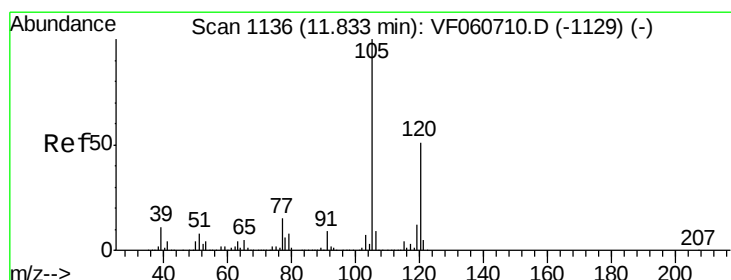
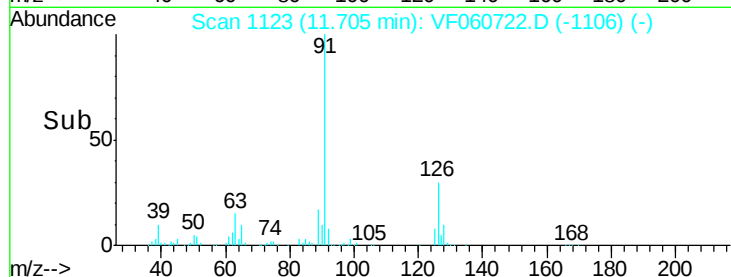
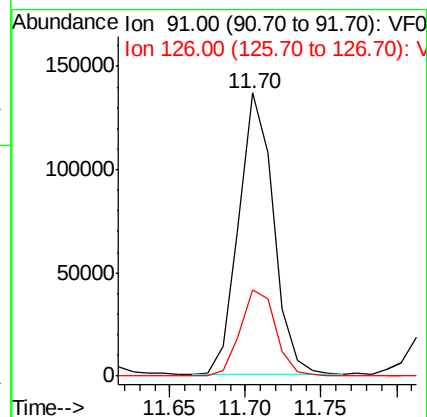
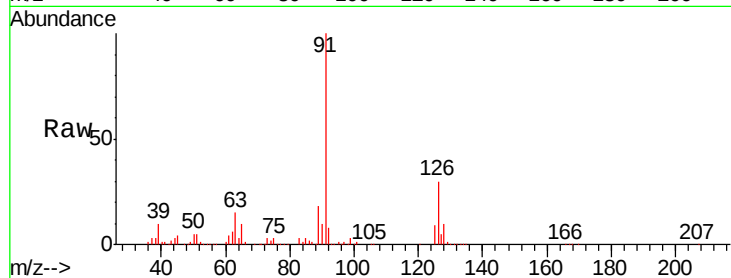
126 30.3 16.8 50.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 18.94 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.02 min

Lab File: VF060722.D

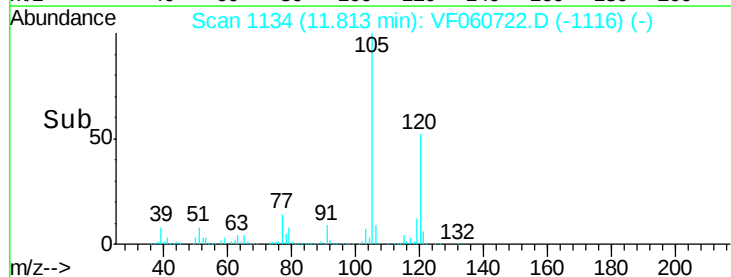
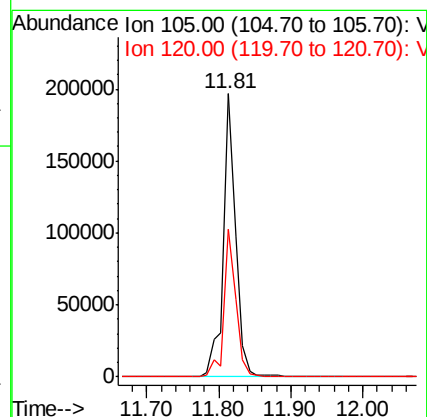
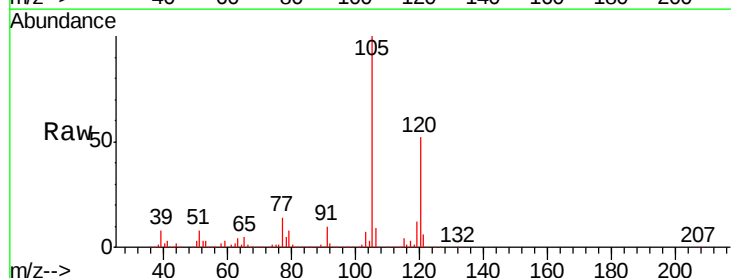
Acq: 14 Nov 2018 13:40

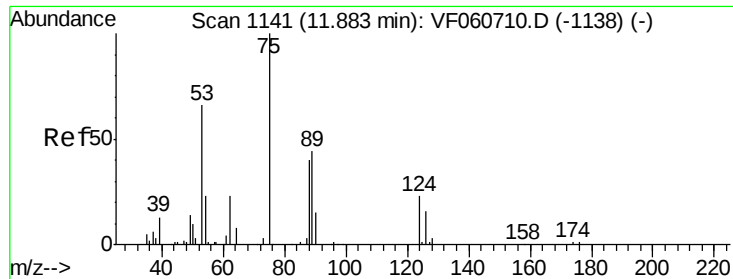
Tgt Ion: 105 Resp: 228875

Ion Ratio Lower Upper

105 100

120 52.0 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.89 ug/l m

RT: 11.85 min Scan# 1138

Delta R.T. -0.03 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Instrument :

MSVOA_F

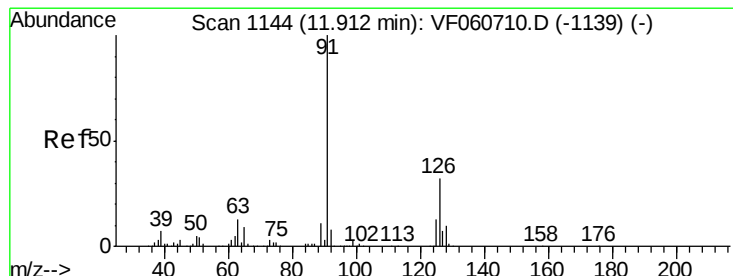
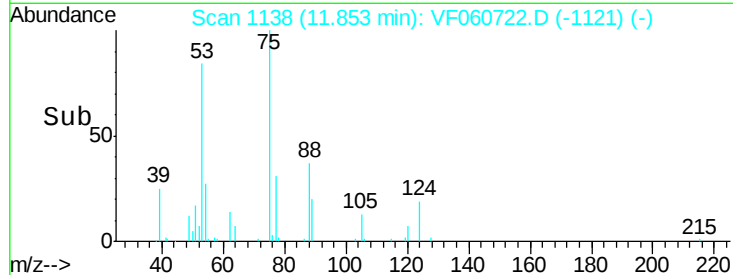
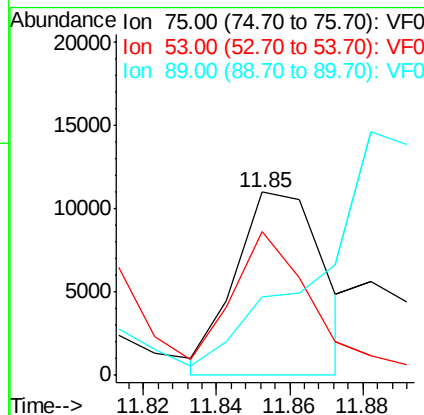
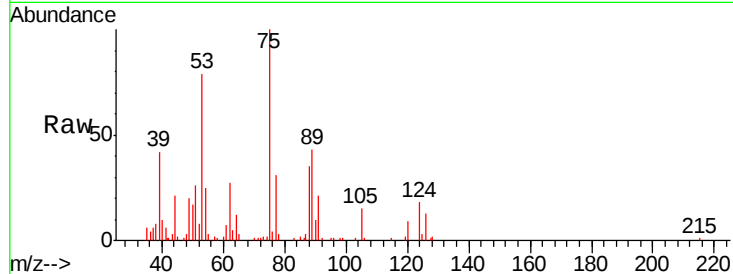
ClientSampleId :

VF1114SBS01

Tgt Ion:	75	Resp:	18263
Ion	Ratio	Lower	Upper
75	100		
53	78.6	57.0	85.4
89	42.9	37.8	56.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.15 ug/l

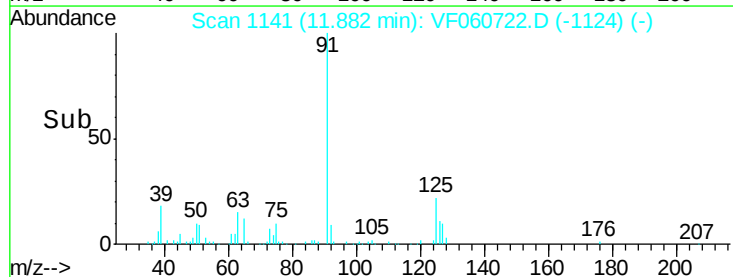
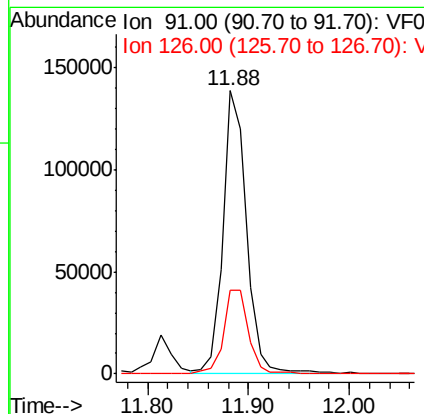
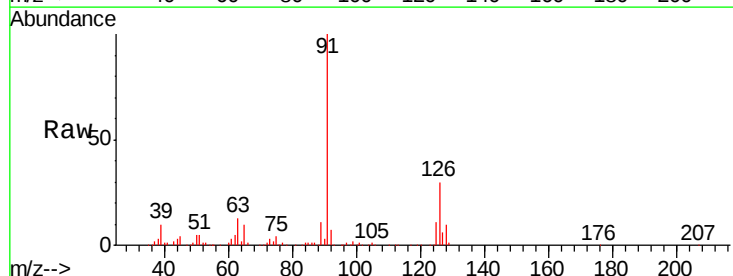
RT: 11.88 min Scan# 1141

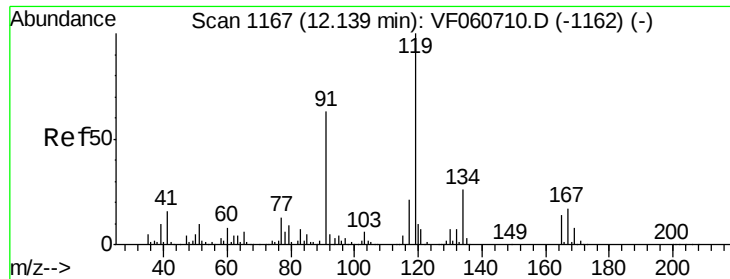
Delta R.T. -0.03 min

Lab File: VF060722.D

Acq: 14 Nov 2018 13:40

Tgt Ion:	91	Resp:	223564
Ion	Ratio	Lower	Upper
91	100		
126	29.5	16.0	47.9





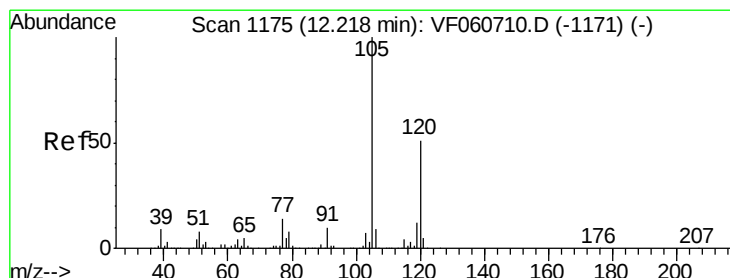
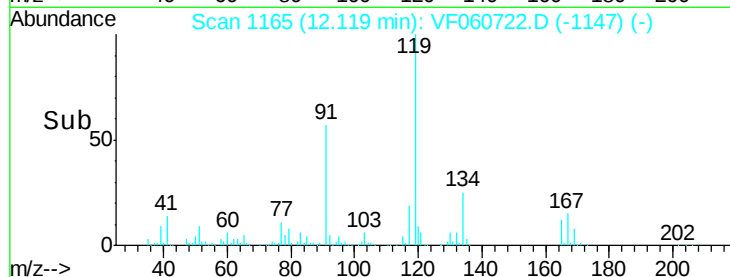
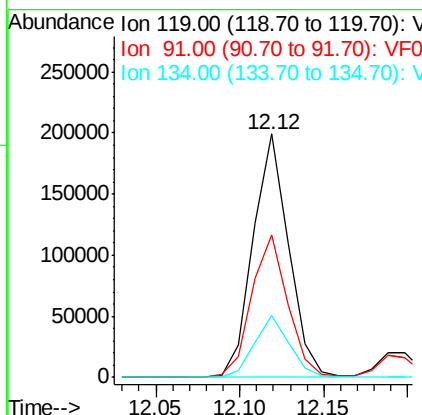
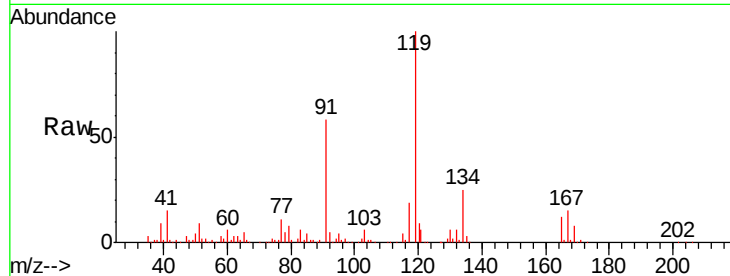
#83
tert-Butylbenzene
Concen: 22.89 ug/l
RT: 12.12 min Scan# 1165
Delta R.T. -0.02 min
Lab File: VF060722.D
Acq: 14 Nov 2018 13:40

Instrument :
MSVOA_F
ClientSampleId :
VF1114SBS01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	58.3	31.4	94.3
134	25.3	12.8	38.4

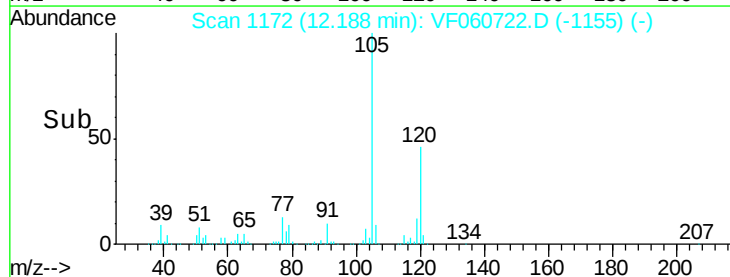
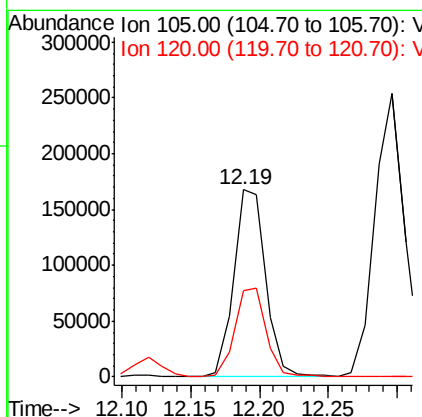
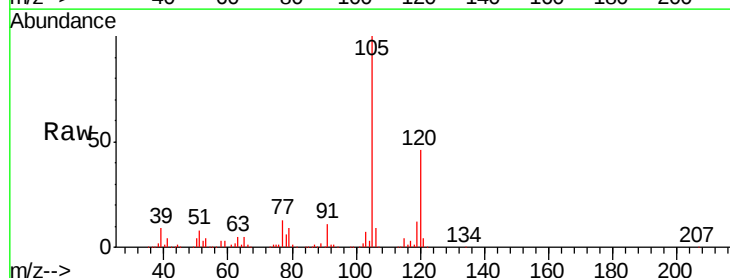
Manual Integrations
APPROVED

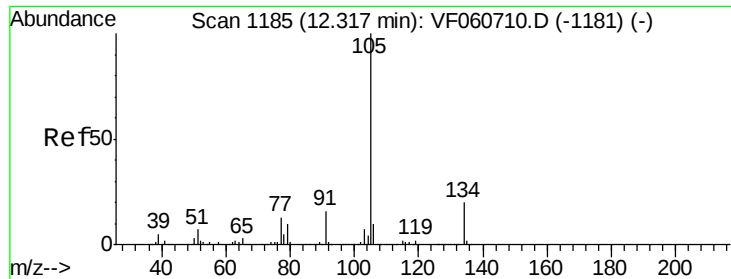
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.69 ug/l
RT: 12.19 min Scan# 1172
Delta R.T. -0.03 min
Lab File: VF060722.D
Acq: 14 Nov 2018 13:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	25.5	76.5





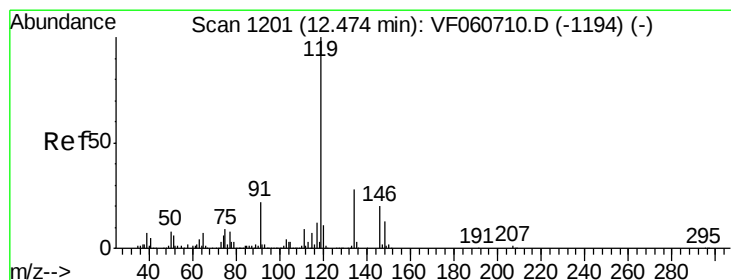
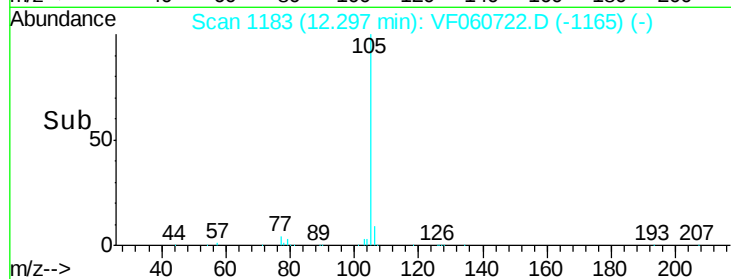
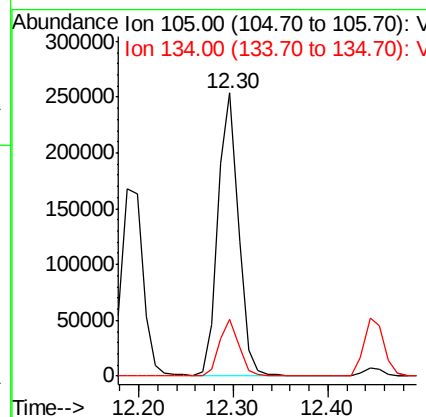
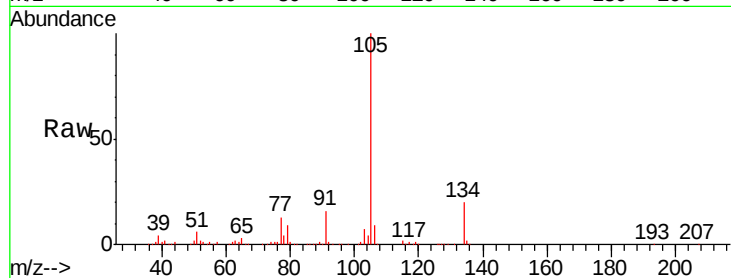
#85
 sec-Butylbenzene
 Concen: 21.99 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: VF060722.D
 Acq: 14 Nov 2018 13:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1114SBS01

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.1	30.3

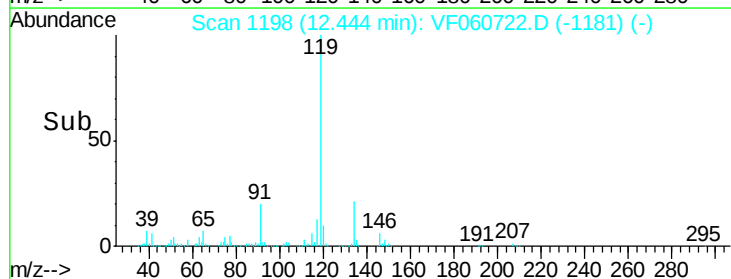
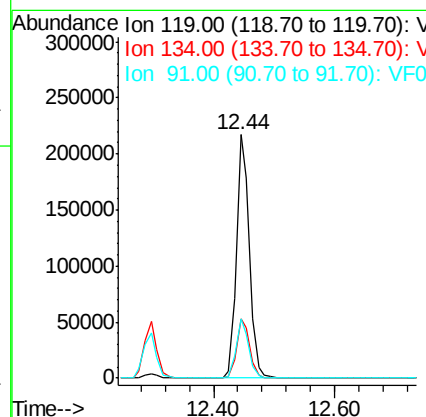
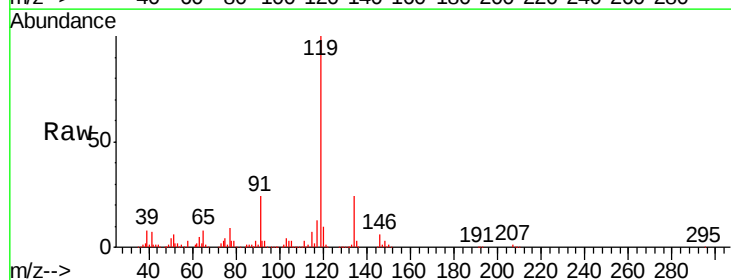
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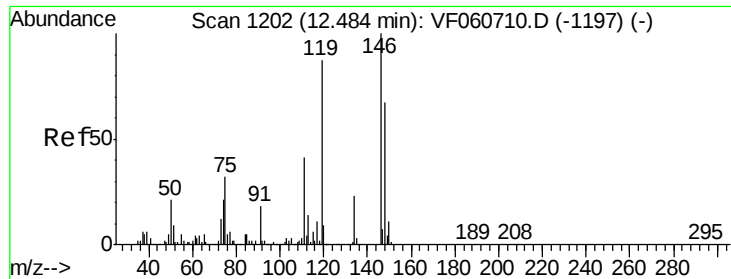
MMDadoda
 11/15/2018 2:36:20 PM



#86
 p-Isopropyltoluene
 Concen: 22.23 ug/l
 RT: 12.44 min Scan# 1198
 Delta R.T. -0.03 min
 Lab File: VF060722.D
 Acq: 14 Nov 2018 13:40

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.1	13.9	41.7
91	24.2	11.3	33.9





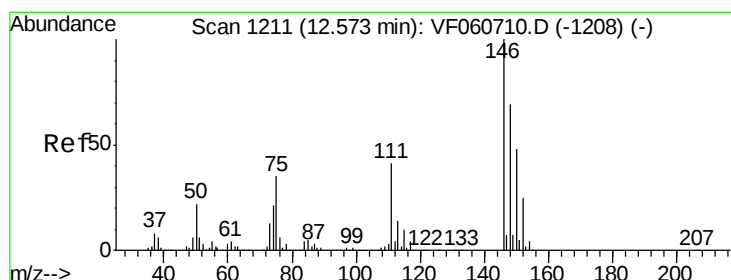
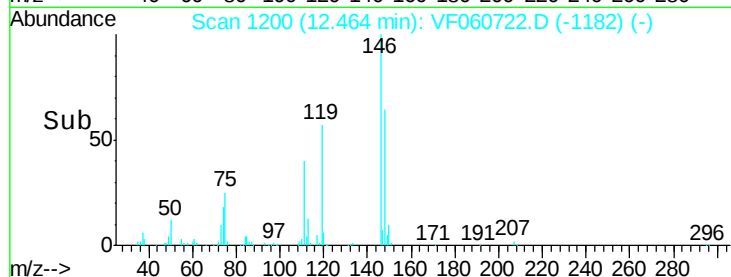
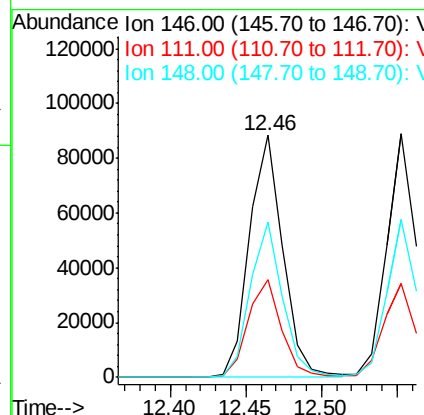
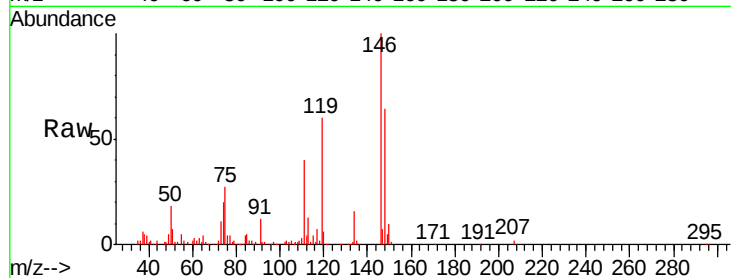
#87
 1,3-Dichlorobenzene
 Concen: 21.66 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VF060722.D
 Acq: 14 Nov 2018 13:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1114SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.3	60.8
148	64.0	33.3	99.9

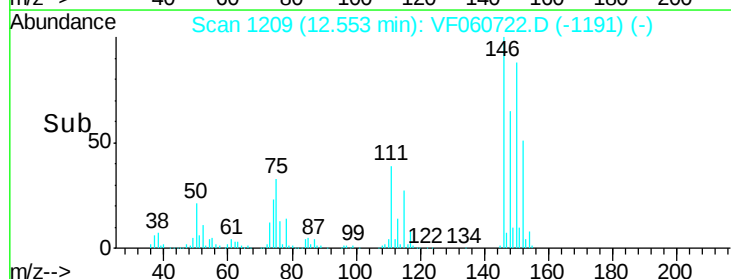
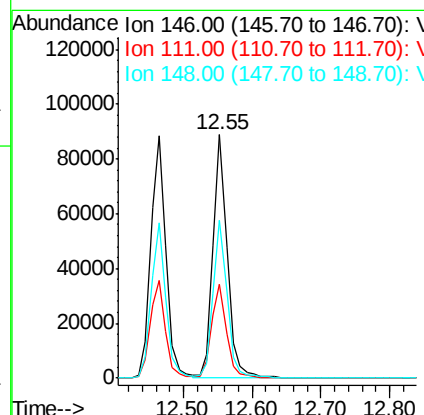
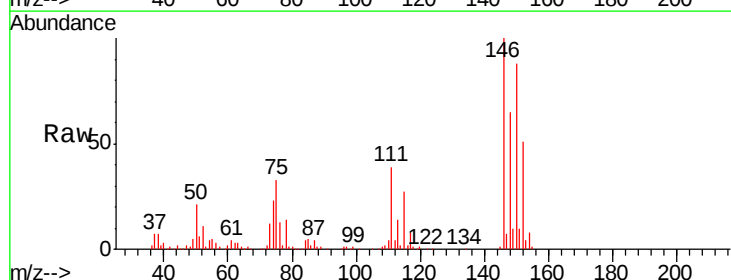
Manual Integrations
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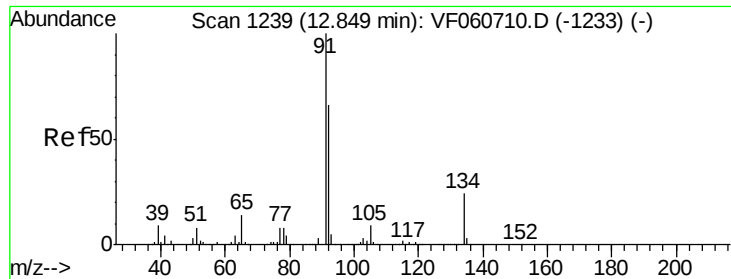
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 11/15/2018 2:36:20 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.27 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: VF060722.D
 Acq: 14 Nov 2018 13:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	20.6	61.9
148	64.9	34.7	104.1





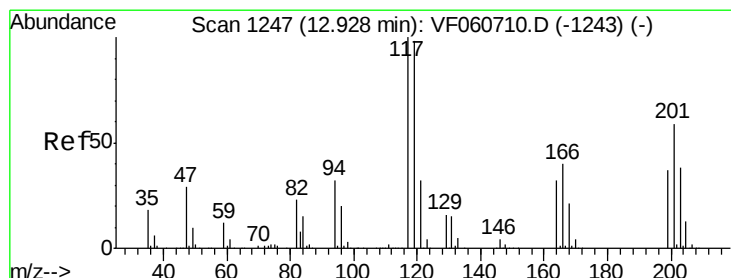
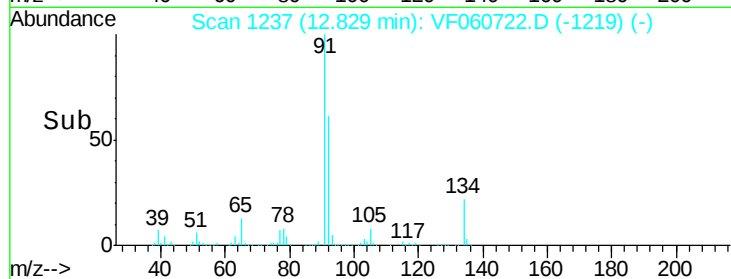
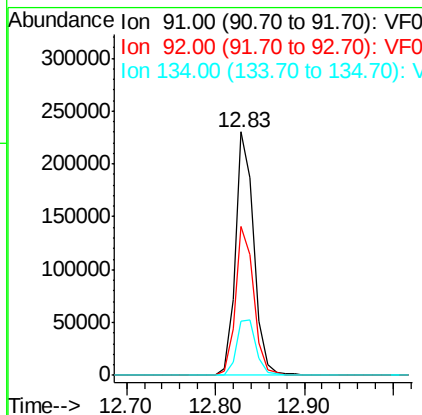
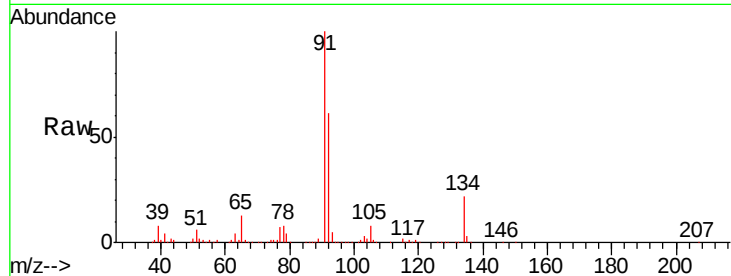
#89
n-Butylbenzene
Concen: 22.49 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VF060722.D
Acq: 14 Nov 2018 13:40

Instrument :
MSVOA_F
ClientSampleId :
VF1114SBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
91	100		
92	61.2	33.1	99.2
134	22.5	11.9	35.9

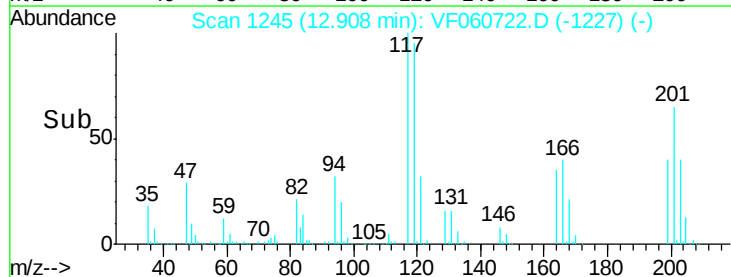
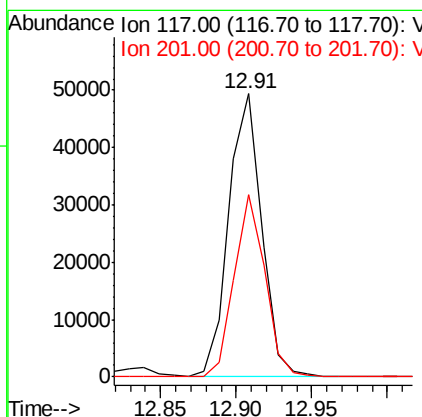
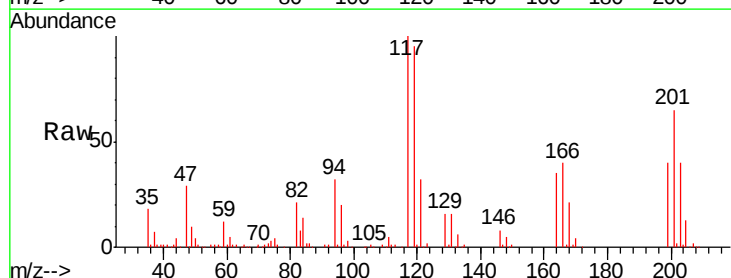
Manual Integrations
APPROVED

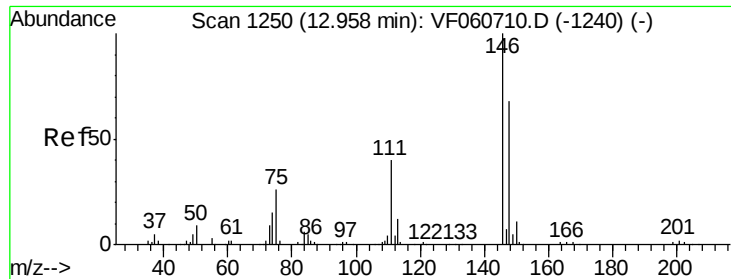
MMDadoda
11/15/2018 2:36:20 PM



#90
Hexachloroethane
Concen: 21.06 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.02 min
Lab File: VF060722.D
Acq: 14 Nov 2018 13:40

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
201	64.5	29.4	88.3





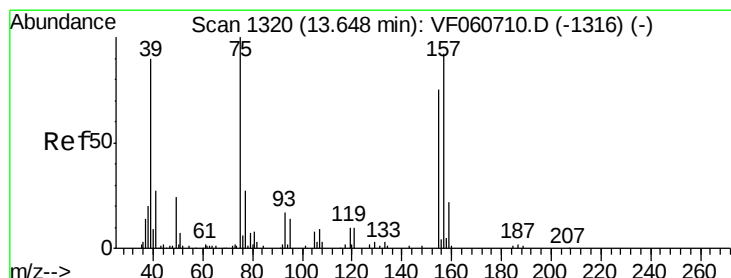
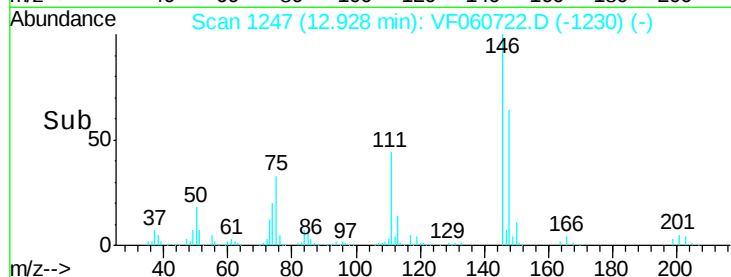
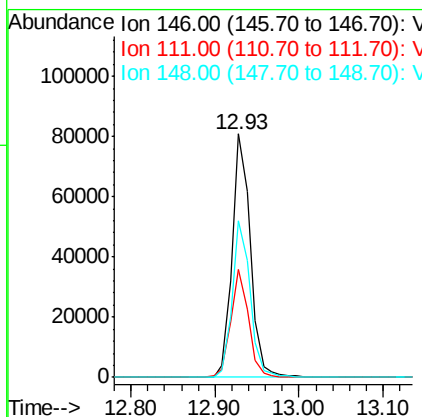
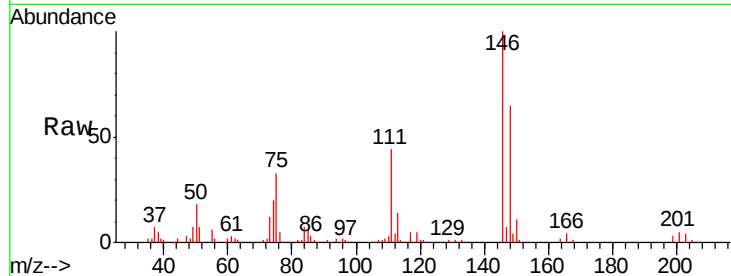
#91
 1,2-Dichlorobenzene
 Concen: 20.63 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.03 min
 Lab File: VF060722.D
 Acq: 14 Nov 2018 13:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1114SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.5	20.3	60.8
148	64.5	34.1	102.3

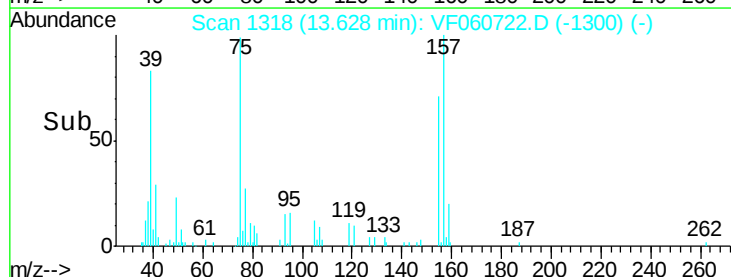
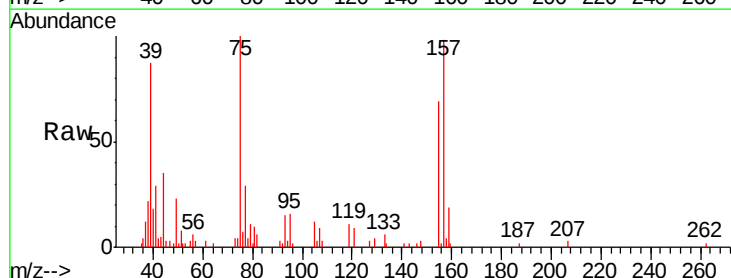
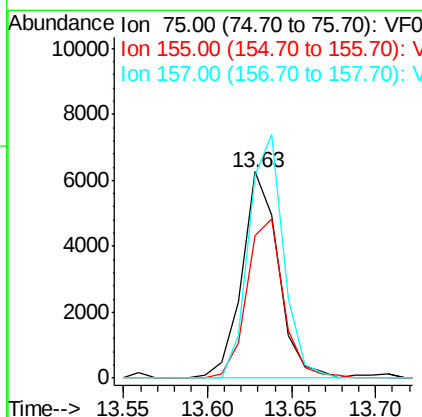
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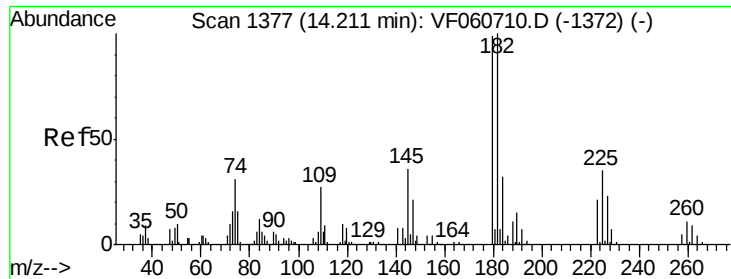
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.01 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.02 min
 Lab File: VF060722.D
 Acq: 14 Nov 2018 13:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.3	37.4	112.2
157	98.1	46.0	138.0





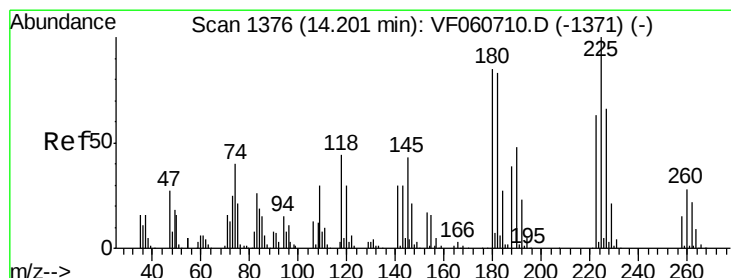
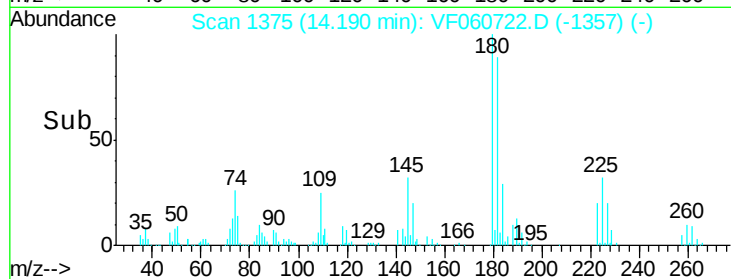
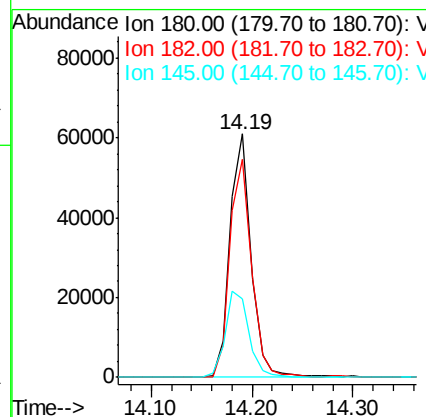
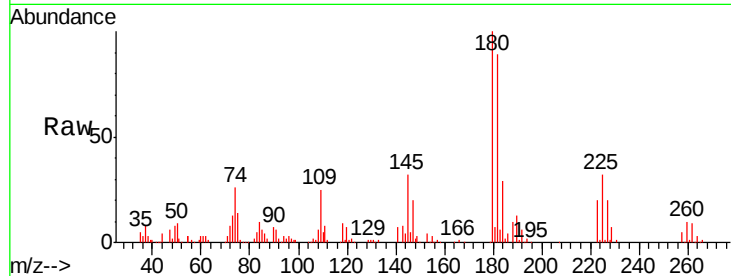
#93
 1,2,4-Trichlorobenzene
 Concen: 21.00 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF060722.D
 Acq: 14 Nov 2018 13:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1114SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	89616		
182	89.4	50.3	151.0	
145	32.4	18.3	54.9	

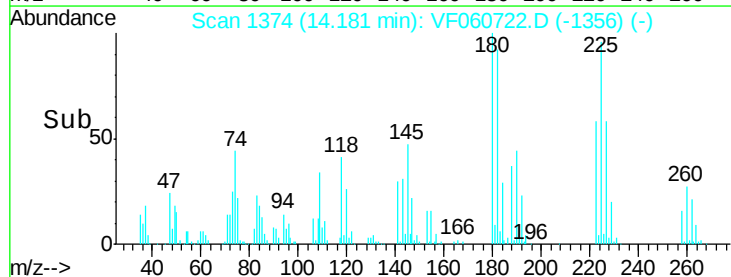
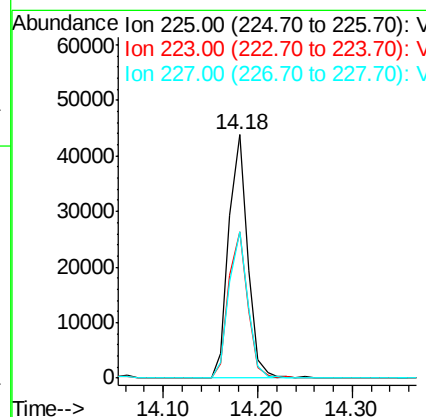
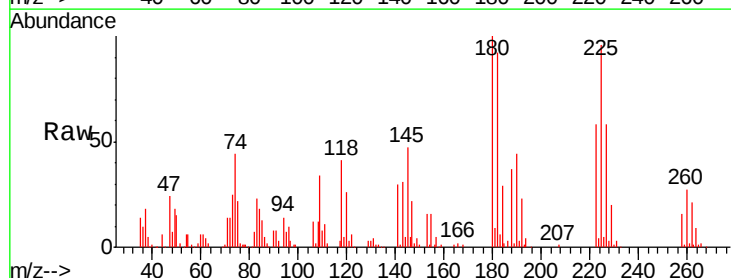
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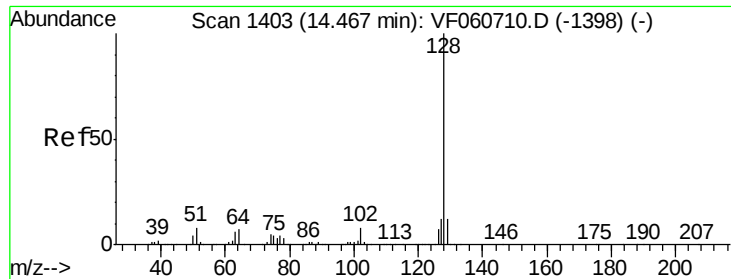
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#94
 Hexachlorobutadiene
 Concen: 21.77 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.02 min
 Lab File: VF060722.D
 Acq: 14 Nov 2018 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	60710		
223	60.2	31.5	94.5	
227	60.1	33.0	99.0	





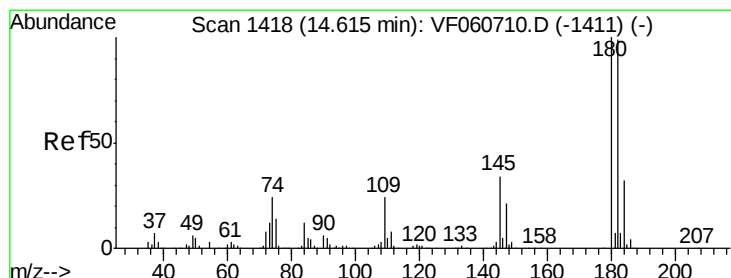
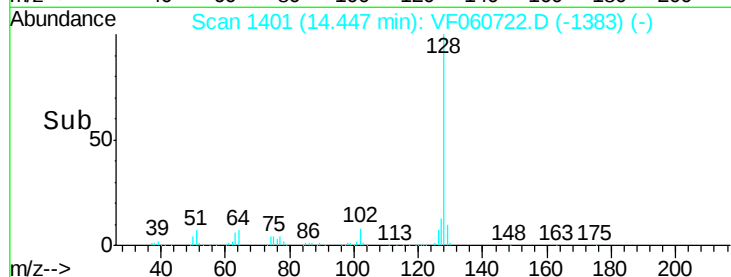
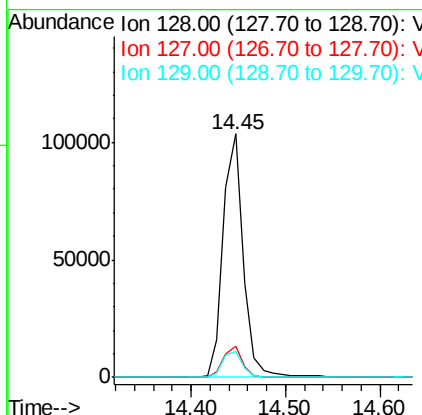
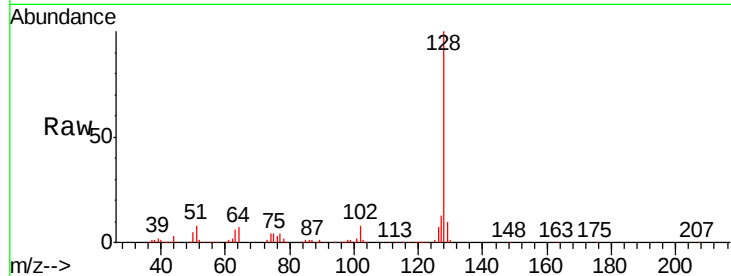
#95
Naphthalene
Concen: 19.63 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.02 min
Lab File: VF060722.D
Acq: 14 Nov 2018 13:40

Instrument :
MSVOA_F
ClientSampleId :
VF1114SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	152834		
127	12.6	9.8	14.6	
129	10.4	9.3	13.9	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.46 ug/l
RT: 14.59 min Scan# 1416
Delta R.T. -0.02 min
Lab File: VF060722.D
Acq: 14 Nov 2018 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	84594		
182	97.2	49.6	149.0	
145	33.0	16.9	50.7	

