

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111518\
 Data File : VF060742.D
 Acq On : 15 Nov 2018 12:32
 Operator : VA/AP
 Sample : VF1115SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1115SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/16/2018 1:25:45 PM

Quant Time: Nov 15 14:13:46 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	228258	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.57	114	401343	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.76	117	369596	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	196972	50.00	ug/l	-0.03

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.82	65	115035	44.18	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	88.36%	
35) Dibromofluoromethane	4.09	113	136180	45.14	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	90.28%	
50) Toluene-d8	7.54	98	372277	47.94	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	95.88%	
62) 4-Bromofluorobenzene	11.39	95	176037	49.25	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	98.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	83841	20.52	ug/l	100
3) Chloromethane	1.09	50	59498	23.49	ug/l	98
4) Vinyl Chloride	1.14	62	51955	22.93	ug/l	89
5) Bromomethane	1.31	94	29433	20.45	ug/l	99
6) Chloroethane	1.36	64	18810	21.21	ug/l	93
7) Trichlorofluoromethane	1.48	101	103823	20.72	ug/l	91
8) Diethyl Ether	1.62	74	14195	22.11	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	1.81	101	55187	23.37	ug/l	98
10) Methyl Iodide	1.87	142	86500	22.83	ug/l	97
11) Tert butyl alcohol	2.55	59	12500	105.49	ug/l #	82
12) 1,1-Dichloroethene	1.78	96	42154	22.64	ug/l	90
13) Acrolein	1.98	56	12656	116.82	ug/l	99
14) Allyl chloride	2.08	41	71578	21.94	ug/l	90
15) Acrylonitrile	2.92	53	30419	120.48	ug/l	91
16) Acetone	2.22	43	52631	94.58	ug/l	95
17) Carbon Disulfide	1.82	76	127571	22.67	ug/l #	92
18) Methyl Acetate	2.33	43	21109	23.10	ug/l	96
19) Methyl tert-butyl Ether	2.42	73	95170	21.30	ug/l	95
20) Methylene Chloride	2.17	84	50502m	25.93	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	44196	22.72	ug/l	94
22) Diisopropyl ether	2.78	45	149602	23.75	ug/l	98
23) Vinyl Acetate	3.17	43	363215	122.46	ug/l	99
24) 1,1-Dichloroethane	2.85	63	91546	24.01	ug/l	98
25) 2-Butanone	4.30	43	98916	108.07	ug/l	96
26) 2,2-Dichloropropane	3.58	77	63143	21.04	ug/l	98
27) cis-1,2-Dichloroethene	3.46	96	72559	21.92	ug/l	90
28) Bromochloromethane	3.70	49	45396	22.91	ug/l	95
29) Tetrahydrofuran	4.05	42	39530	104.70	ug/l	98
30) Chloroform	3.84	83	148365	24.25	ug/l	96
31) Cyclohexane	3.68	56	102262	22.10	ug/l	96
32) 1,1,1-Trichloroethane	4.07	97	100542	20.87	ug/l	99
36) 1,1-Dichloropropene	4.26	75	94746	20.36	ug/l	98
37) Ethyl Acetate	4.08	43	39489	22.82	ug/l	93
38) Carbon Tetrachloride	3.97	117	92210	20.42	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	110558	20.47	ug/l	99
40) Benzene	4.61	78	229671	22.14	ug/l	98
41) Methacrylonitrile	4.73	41	23662	23.34	ug/l	94
42) 1,2-Dichloroethane	4.92	62	71861	20.04	ug/l	91
43) Isopropyl Acetate	6.93	43	55054	23.99	ug/l #	100
44) Trichloroethene	5.48	130	67917	20.75	ug/l	99
45) 1,2-Dichloropropane	6.21	63	56979	21.10	ug/l	100
46) Dibromomethane	6.07	93	36730	20.61	ug/l	98
47) Bromodichloromethane	6.36	83	96930	21.30	ug/l	98
48) Methyl methacrylate	6.70	41	33349	21.96	ug/l	93
49) 1,4-Dioxane	6.69	88	6162	433.90	ug/l #	92
51) 4-Methyl-2-Pentanone	8.24	43	188368	113.51	ug/l	96
52) Toluene	7.61	92	140429	20.20	ug/l	98
53) t-1,3-Dichloropropene	8.26	75	72656	19.93	ug/l	99
54) cis-1,3-Dichloropropene	7.28	75	97181	20.52	ug/l	98
55) 1,1,2-Trichloroethane	8.47	97	39815	20.04	ug/l	95
56) Ethyl methacrylate	8.60	69	51128	22.66	ug/l	98
57) 1,3-Dichloropropane	8.84	76	73806	21.44	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.61	63	20630	100.10	ug/l	100
59) 2-Hexanone	9.47	43	140779	120.72	ug/l	98
60) Dibromochloromethane	8.69	129	57807	20.42	ug/l	96
61) 1,2-Dibromoethane	8.97	107	44296	21.20	ug/l	94
64) Tetrachloroethene	8.13	164	57451	19.63	ug/l	96
65) Chlorobenzene	9.78	112	156980	21.05	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.91	131	64760	19.91	ug/l	100
67) Ethyl Benzene	9.88	91	287526	20.45	ug/l	97
68) m/p-Xylenes	10.11	106	221991	44.19	ug/l	96
69) o-Xylene	10.69	106	121694	21.54	ug/l	96
70) Styrene	10.77	104	164266	21.43	ug/l	99
71) Bromoform	10.75	173	31221	21.34	ug/l #	92
73) Isopropylbenzene	11.11	105	352322	22.22	ug/l	94
74) N-amyl acetate	11.35	43	90509	25.08	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.68	83	56327	21.49	ug/l	98
76) 1,2,3-Trichloropropane	11.78	75	42789	21.98	ug/l	98
77) Bromobenzene	11.48	156	75811	22.97	ug/l	92
78) n-propylbenzene	11.58	91	418690	22.64	ug/l	97
79) 2-Chlorotoluene	11.71	91	228096	21.22	ug/l	99
80) 1,3,5-Trimethylbenzene	11.81	105	287859	22.87	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.86	75	20650m	21.59	ug/l	
82) 4-Chlorotoluene	11.89	91	231961	21.07	ug/l	100
83) tert-Butylbenzene	12.11	119	284050	21.25	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	279493	21.47	ug/l	96
85) sec-Butylbenzene	12.29	105	378193	20.86	ug/l	96
86) p-Isopropyltoluene	12.45	119	326136	21.54	ug/l	96
87) 1,3-Dichlorobenzene	12.46	146	140369	21.37	ug/l	99
88) 1,4-Dichlorobenzene	12.56	146	132052	20.92	ug/l	95
89) n-Butylbenzene	12.83	91	330068	21.36	ug/l	95
90) Hexachloroethane	12.90	117	75954	20.51	ug/l	93
91) 1,2-Dichlorobenzene	12.93	146	130624	21.12	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	10143	20.59	ug/l	76

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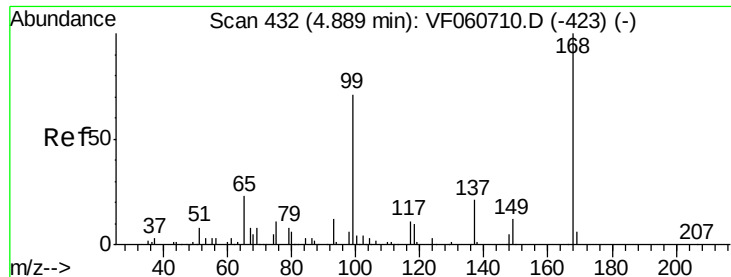
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	93089	20.94	ug/l	97
94) Hexachlorobutadiene	14.18	225	61880	21.31	ug/l	95
95) Naphthalene	14.44	128	165497	20.41	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	83904	20.43	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.04 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

Instrument :

MSVOA_F

ClientSampleId :

VF1115SBS01

Tgt Ion: 168 Resp: 228258

Ion Ratio Lower Upper

168 100

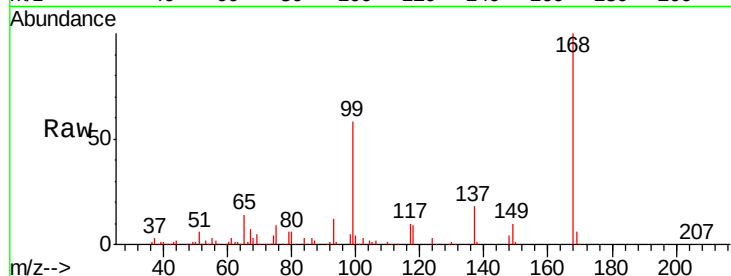
99 57.9 57.2 85.8

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

80000

60000

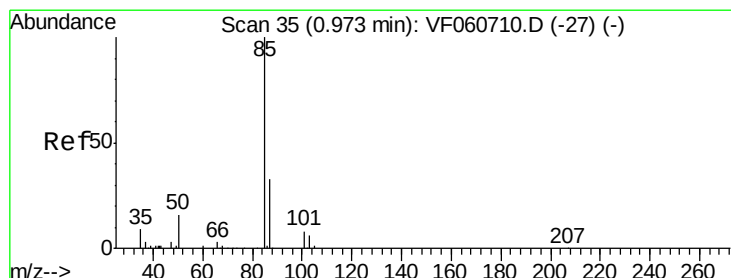
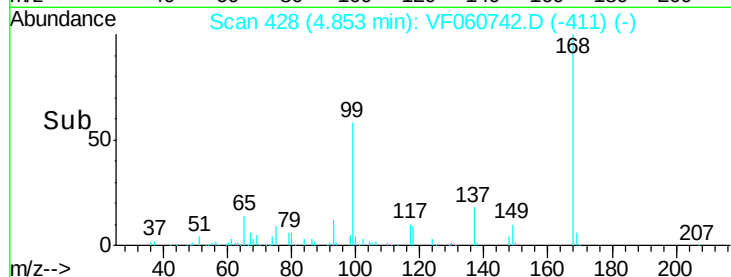
40000

20000

0

4.70 4.80 4.90 5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 20.52 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.02 min

Lab File: VF060742.D

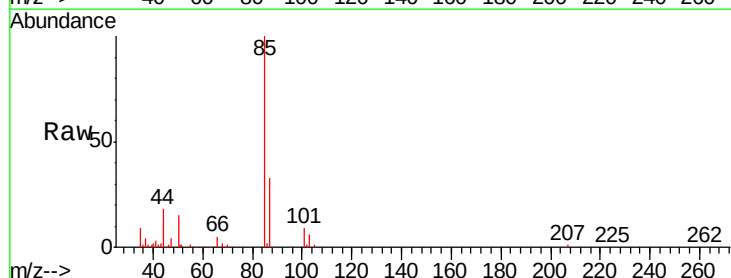
Acq: 15 Nov 2018 12:32

Tgt Ion: 85 Resp: 83841

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

30000

25000

20000

15000

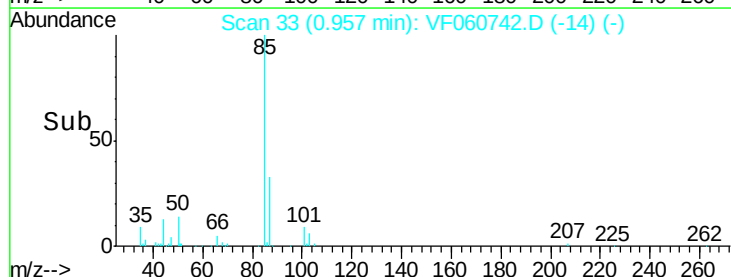
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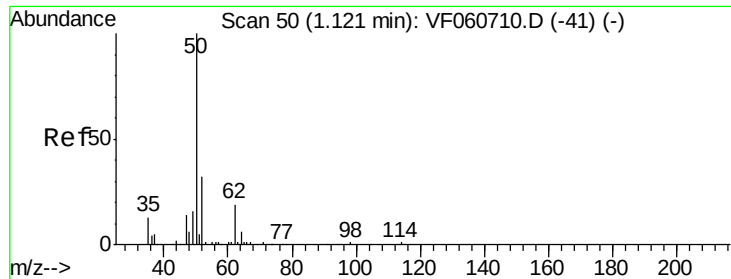
5000

0

0.80 0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 23.49 ug/l

RT: 1.09 min Scan# 46

Delta R.T. -0.04 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

Instrument :

MSVOA_F

ClientSampleId :

VF1115SBS01

Tgt Ion: 50 Resp: 59498

Ion Ratio Lower Upper

50 100

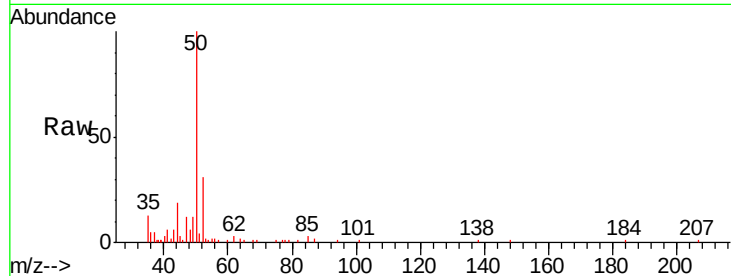
52 31.2 24.2 36.2

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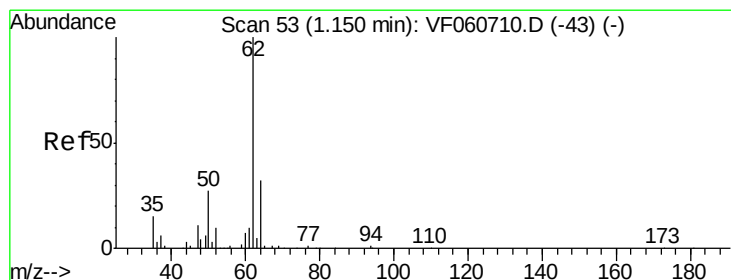
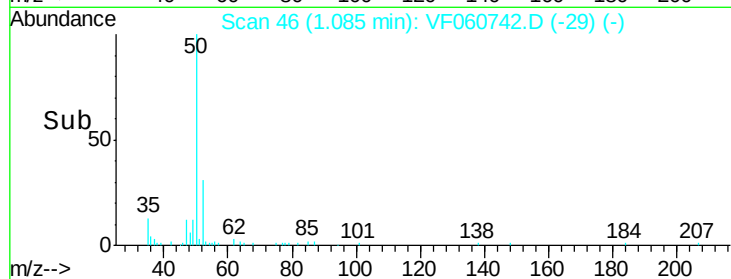
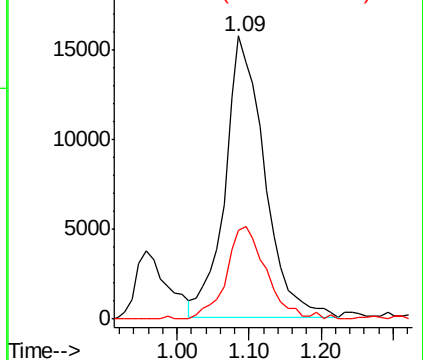
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 22.93 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF060742.D

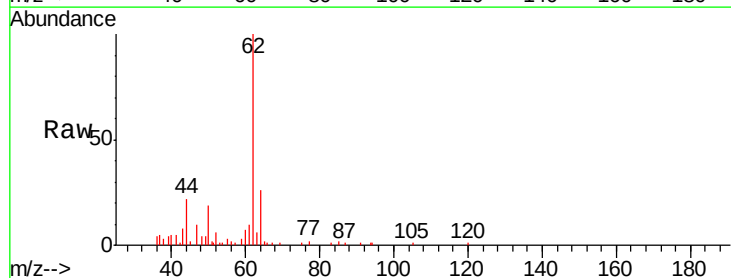
Acq: 15 Nov 2018 12:32

Tgt Ion: 62 Resp: 51955

Ion Ratio Lower Upper

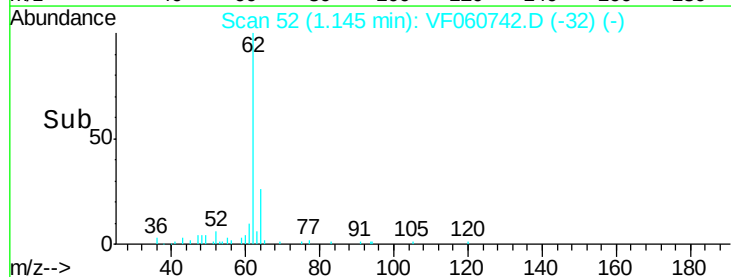
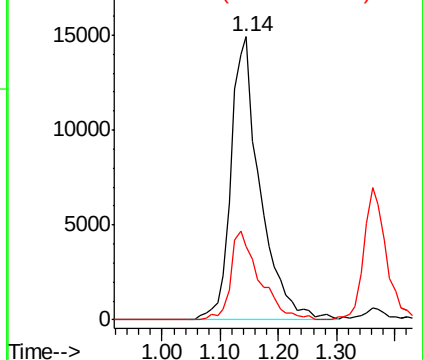
62 100

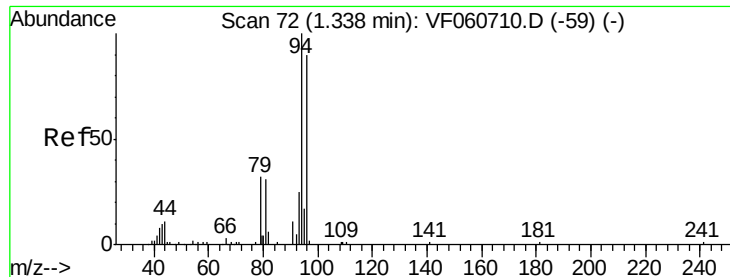
64 26.1 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 20.45 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.03 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

Instrument :

MSVOA_F

ClientSampleId :

VF1115SBS01

Tgt Ion: 94 Resp: 29433

Ion Ratio Lower Upper

94 100

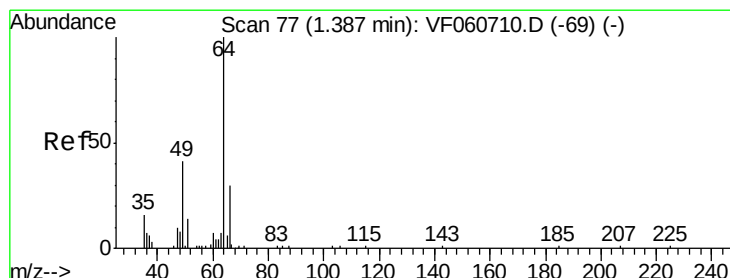
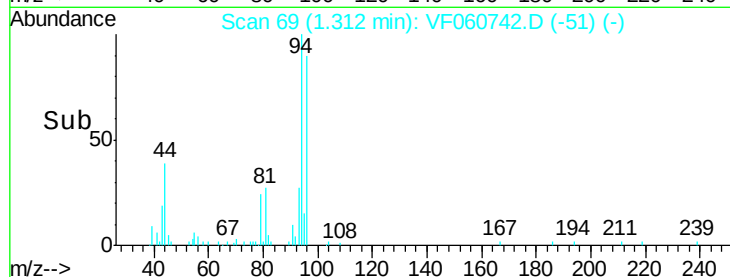
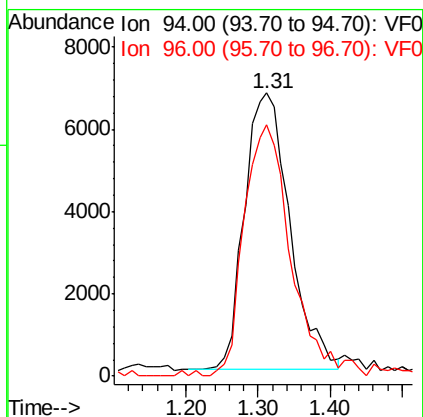
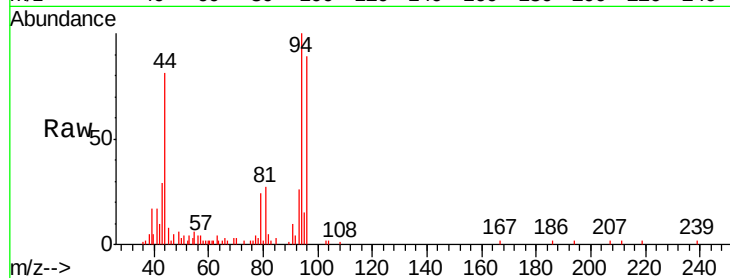
96 88.7 71.9 107.9

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#6

Chloroethane

Concen: 21.21 ug/l

RT: 1.36 min Scan# 74

Delta R.T. -0.03 min

Lab File: VF060742.D

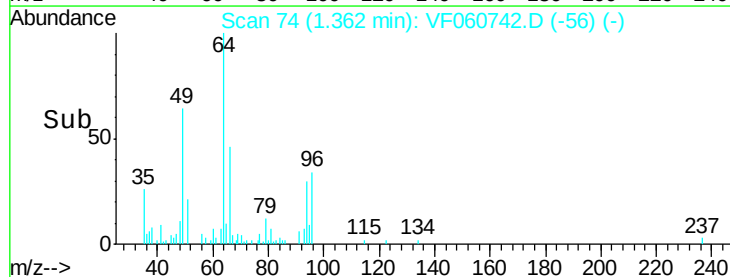
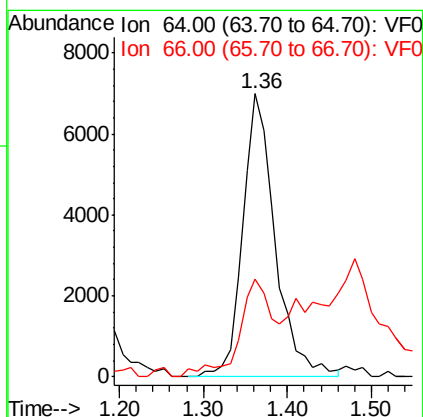
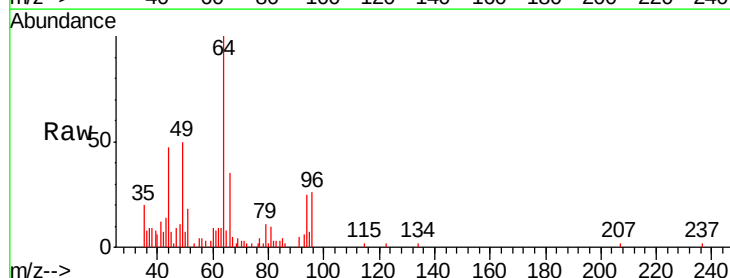
Acq: 15 Nov 2018 12:32

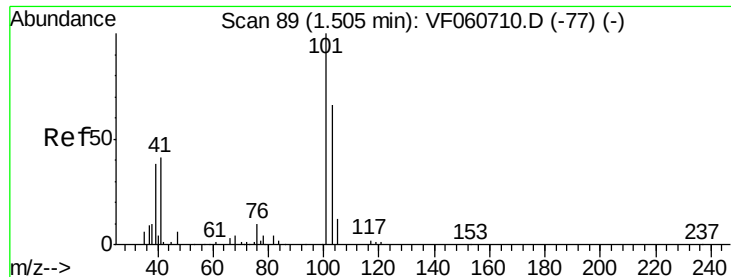
Tgt Ion: 64 Resp: 18810

Ion Ratio Lower Upper

64 100

66 34.6 24.8 37.2





#7

Trichlorofluoromethane

Concen: 20.72 ug/l

RT: 1.48 min Scan# 86

Delta R.T. -0.03 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

Instrument :

MSVOA_F

ClientSampleId :

VF1115SBSD01

Tgt Ion:101 Resp: 103823

Ion Ratio Lower Upper

101 100

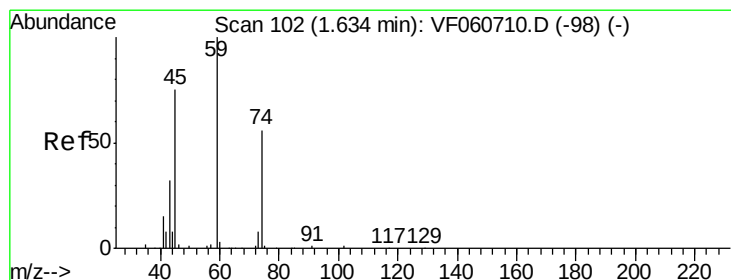
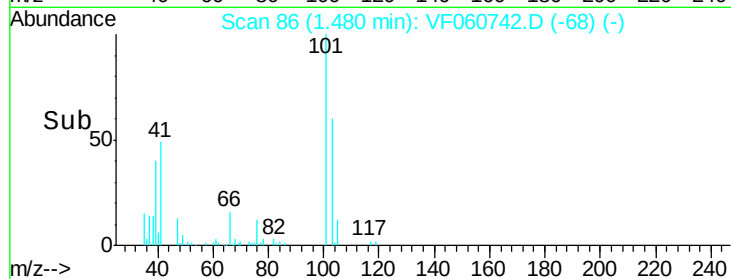
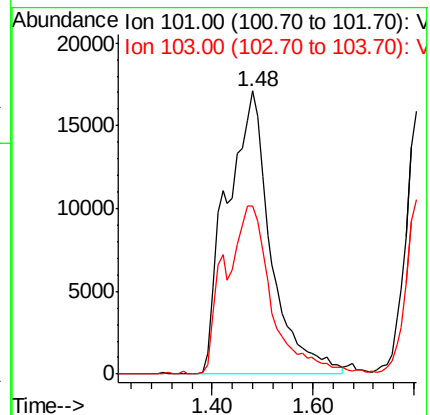
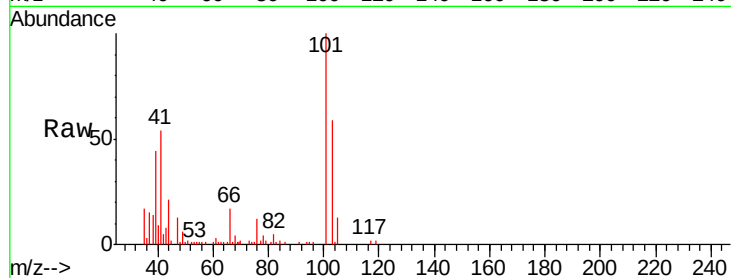
103 59.4 53.1 79.7

Manual Integrations

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#8

Diethyl Ether

Concen: 22.11 ug/l

RT: 1.62 min Scan# 100

Delta R.T. -0.02 min

Lab File: VF060742.D

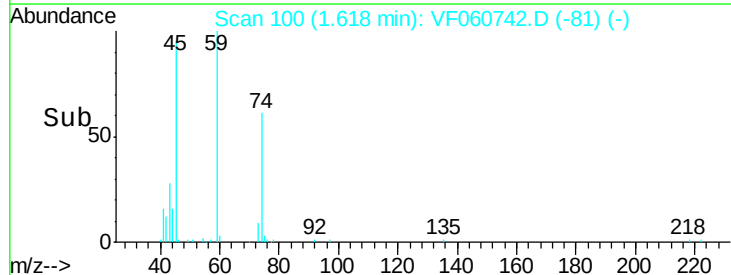
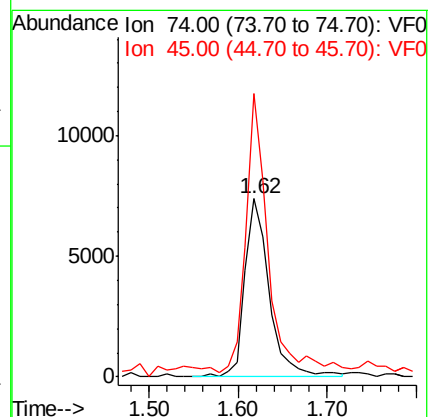
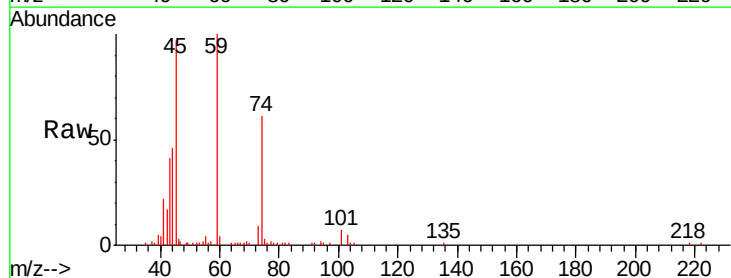
Acq: 15 Nov 2018 12:32

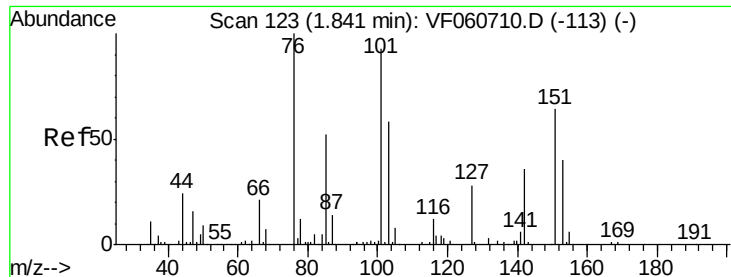
Tgt Ion: 74 Resp: 14195

Ion Ratio Lower Upper

74 100

45 159.2 67.7 203.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.37 ug/l

RT: 1.81 min Scan# 119

Delta R.T. -0.04 min

Lab File: VF060742.D

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MSVOA_F

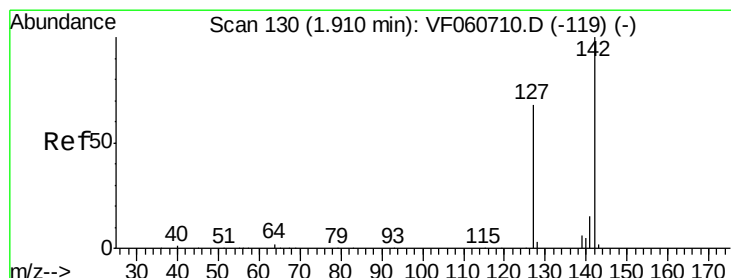
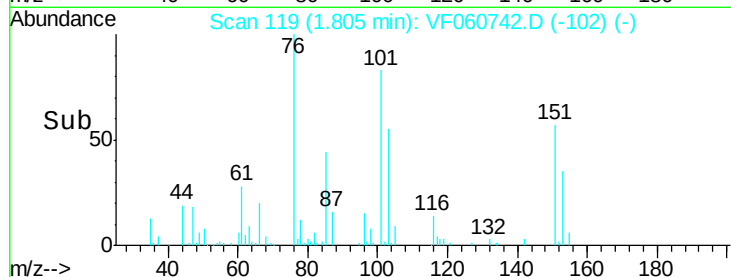
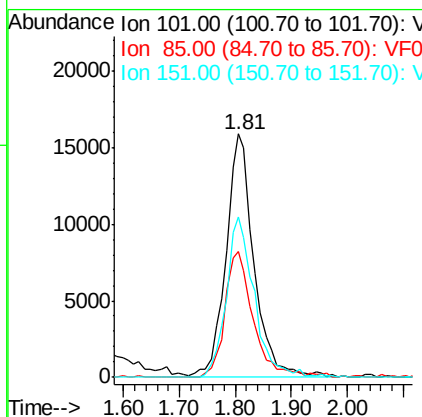
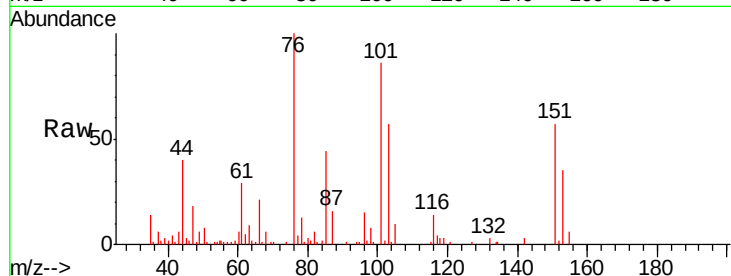
ClientSampleId :

VF1115SBS01

Tgt Ion:	101	Resp:	55187
Ion Ratio	Lower	Upper	
101	100		
85	51.7	43.6	65.4
151	66.1	53.1	79.7

Manual Integrations
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#10

Methyl Iodide

Concen: 22.83 ug/l

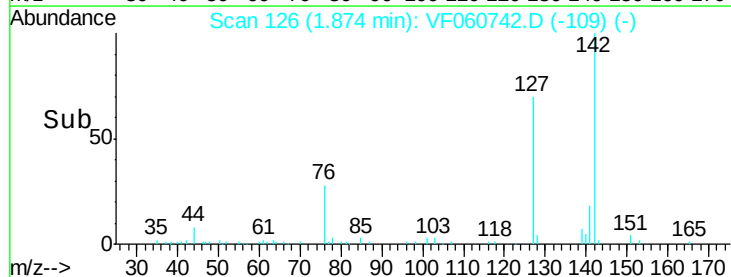
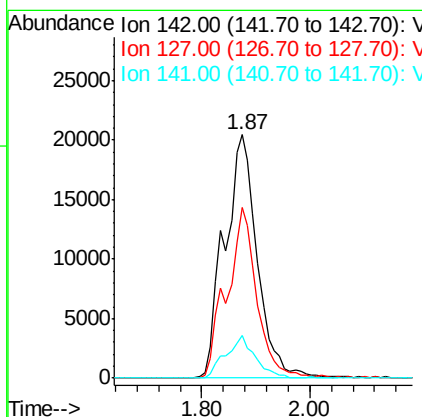
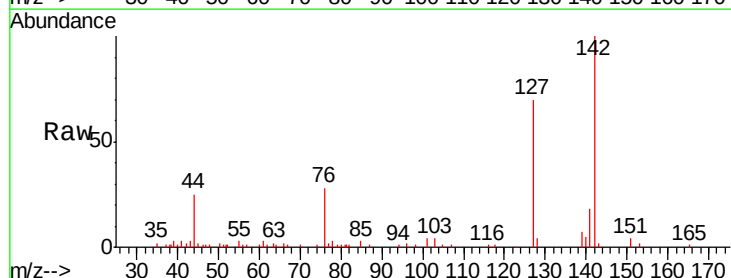
RT: 1.87 min Scan# 126

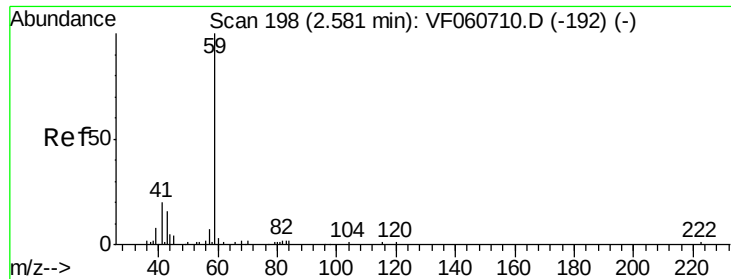
Delta R.T. -0.04 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

Tgt Ion:	142	Resp:	86500
Ion Ratio	Lower	Upper	
142	100		
127	69.9	54.0	81.0
141	17.7	12.3	18.5





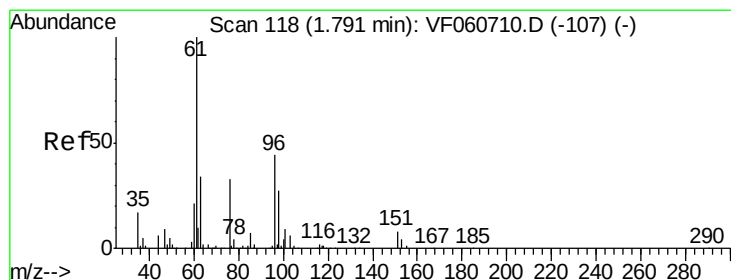
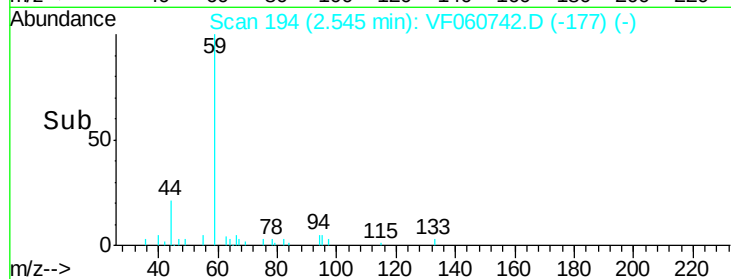
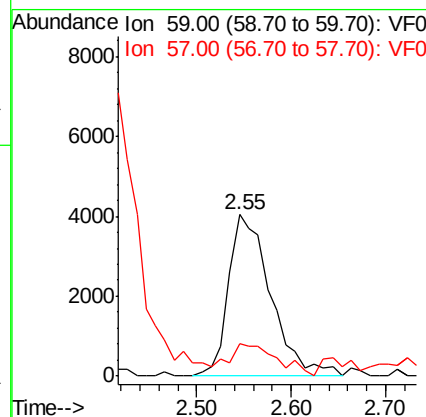
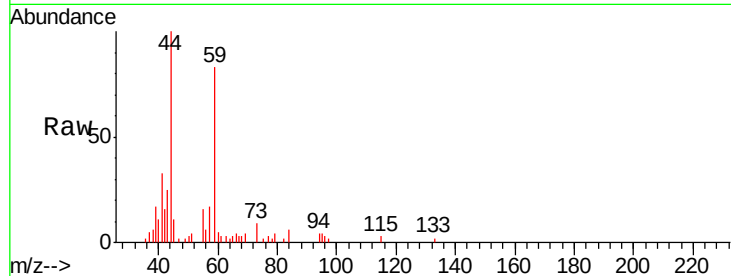
#11
Tert butyl alcohol
Concen: 105.49 ug/l
RT: 2.55 min Scan# 194
Delta R.T. -0.04 min
Lab File: VF060742.D
Acq: 15 Nov 2018 12:32

Instrument :
MSVOA_F
ClientSampleId :
VF1115SBS01

Tgt Ion: 59 Resp: 12500
Ion Ratio Lower Upper
59 100
57 20.4 10.5 15.7#

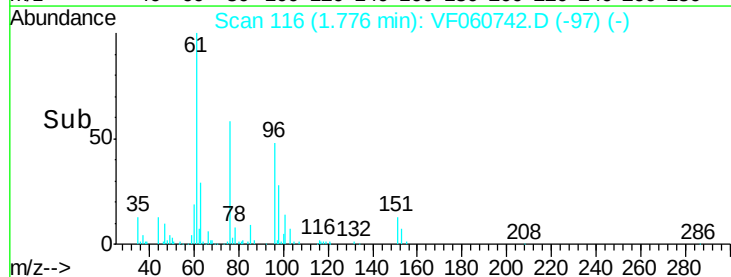
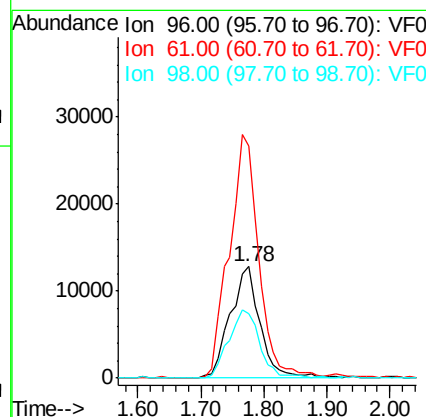
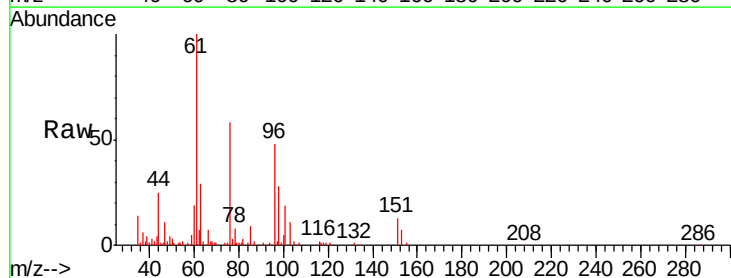
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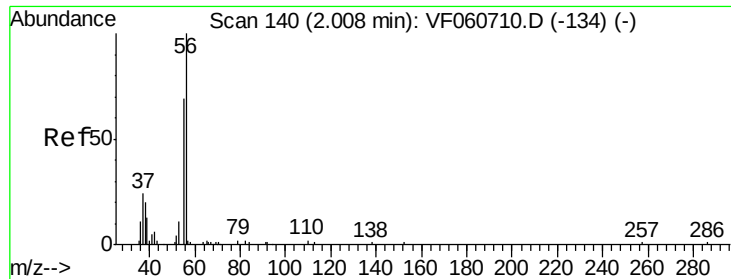
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#12
1,1-Dichloroethene
Concen: 22.64 ug/l
RT: 1.78 min Scan# 116
Delta R.T. -0.02 min
Lab File: VF060742.D
Acq: 15 Nov 2018 12:32

Tgt Ion: 96 Resp: 42154
Ion Ratio Lower Upper
96 100
61 208.6 182.2 273.2
98 58.2 49.2 73.8





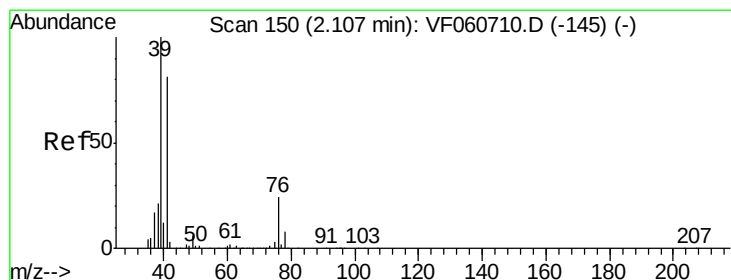
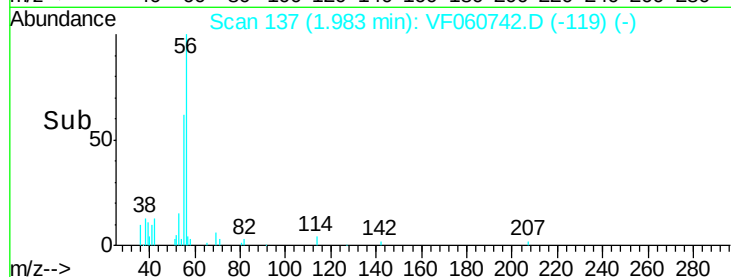
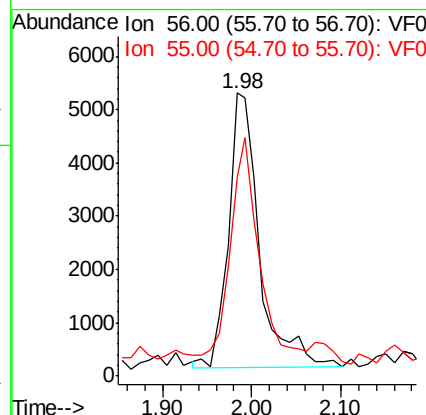
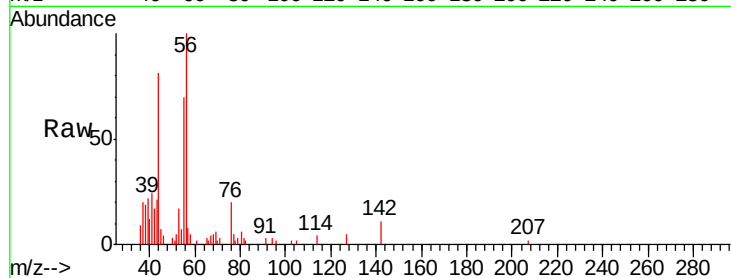
#13
Acrolein
Concen: 116.82 ug/l
RT: 1.98 min Scan# 137
Delta R.T. -0.03 min
Lab File: VF060742.D
Acq: 15 Nov 2018 12:32

Instrument :
MSVOA_F
ClientSampleId :
VF1115SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
55	70.2	56.6	85.0

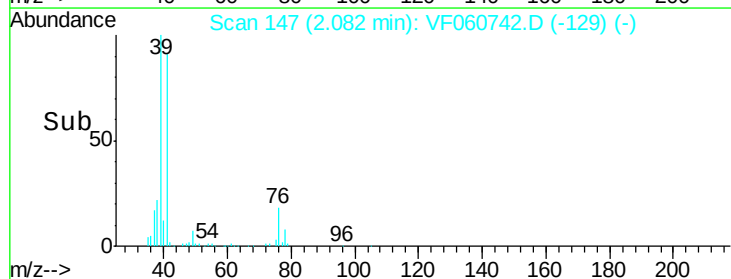
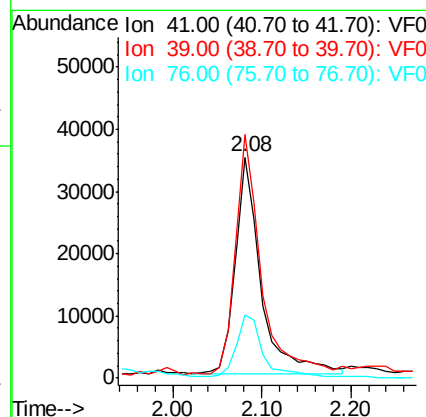
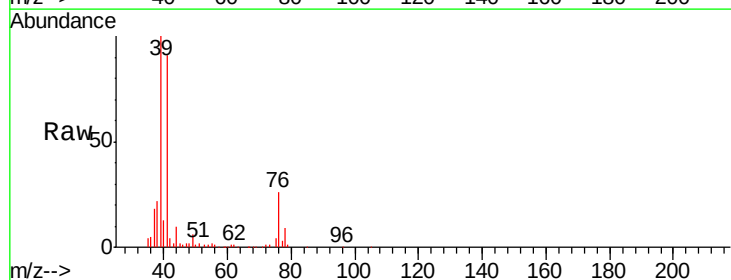
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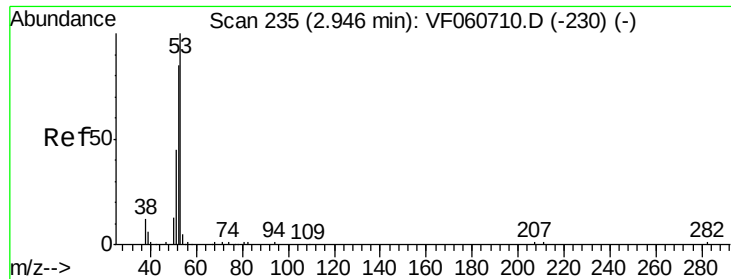
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#14
Allyl chloride
Concen: 21.94 ug/l
RT: 2.08 min Scan# 147
Delta R.T. -0.03 min
Lab File: VF060742.D
Acq: 15 Nov 2018 12:32

Tgt Ion	Ratio	Lower	Upper
41	100		
39	110.1	98.5	147.7
76	28.7	24.5	36.7





#15

Acrylonitrile

Concen: 120.48 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.03 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

Instrument :

MSVOA_F

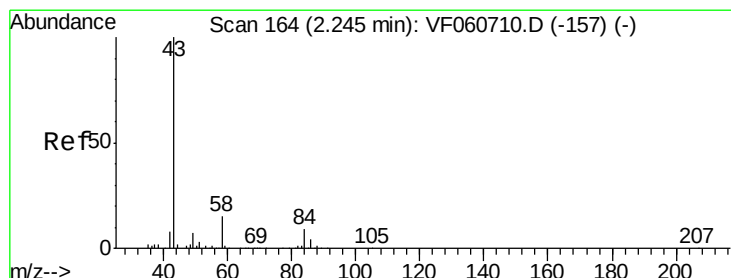
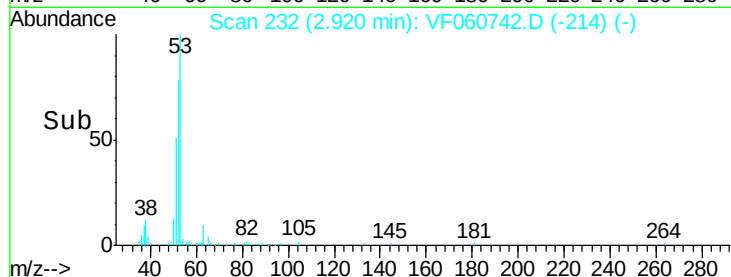
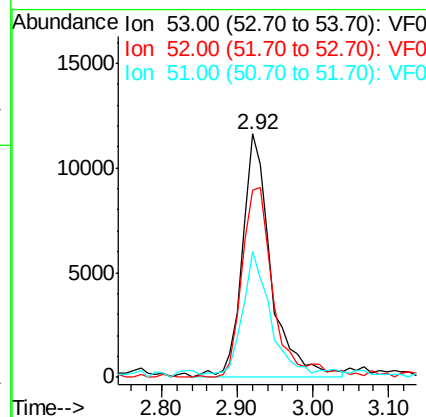
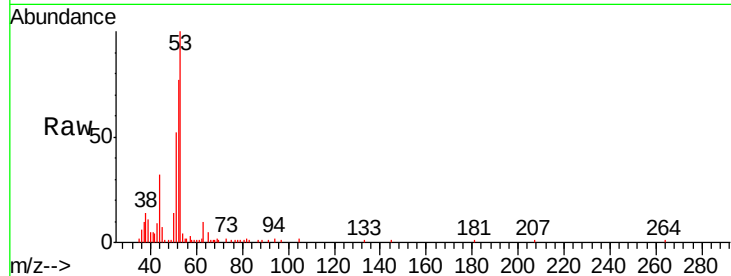
ClientSampleId :

VF1115SBS01

Tgt Ion:	53	Resp:	30419
Ion	Ratio	Lower	Upper
53	100		
52	77.1	68.8	103.2
51	51.7	36.7	55.1

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#16

Acetone

Concen: 94.58 ug/l

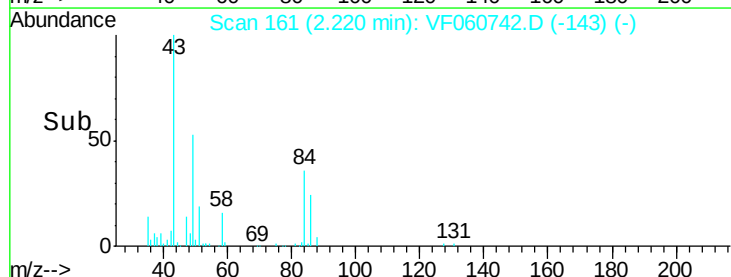
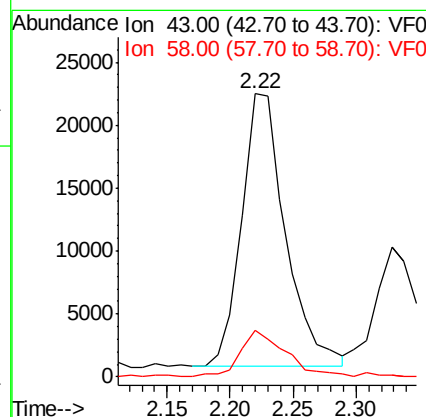
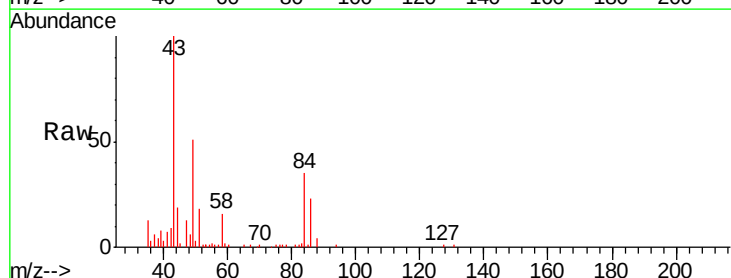
RT: 2.22 min Scan# 161

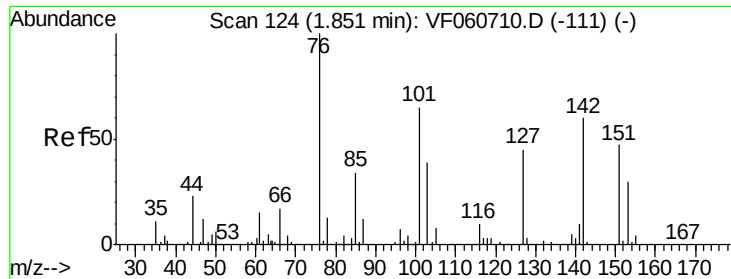
Delta R.T. -0.03 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

Tgt Ion:	43	Resp:	52631
Ion	Ratio	Lower	Upper
43	100		
58	16.4	11.6	17.4





#17

Carbon Disulfide

Concen: 22.67 ug/l

RT: 1.82 min Scan# 120

Delta R.T. -0.04 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

Instrument :

MSVOA_F

ClientSampleId :

VF1115SBS01

Tgt Ion: 76 Resp: 127571

Ion Ratio Lower Upper

76 100

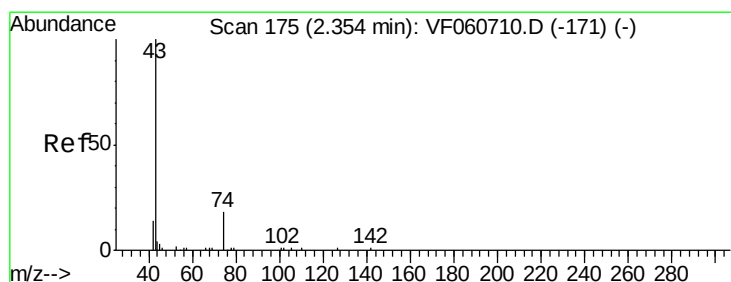
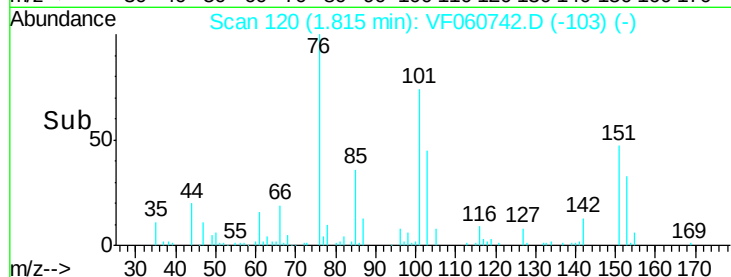
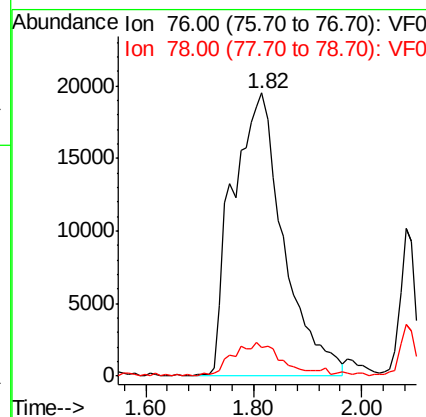
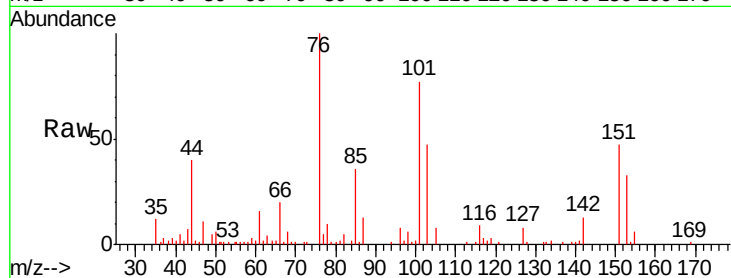
78 10.0 10.5 15.7#

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#18

Methyl Acetate

Concen: 23.10 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.03 min

Lab File: VF060742.D

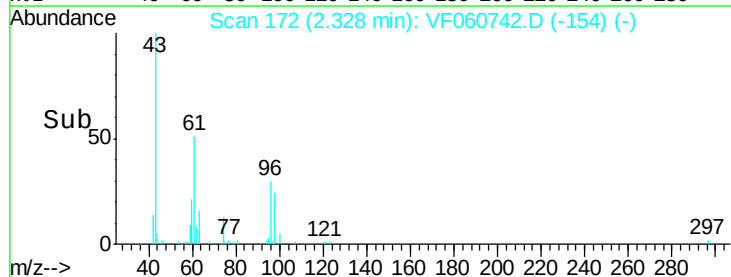
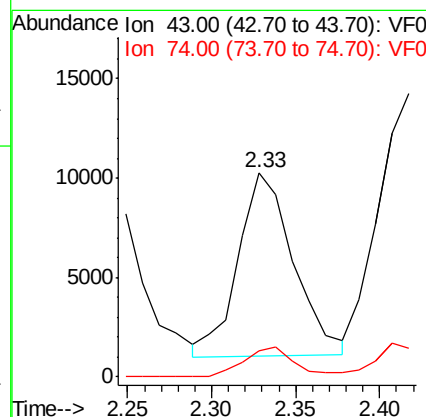
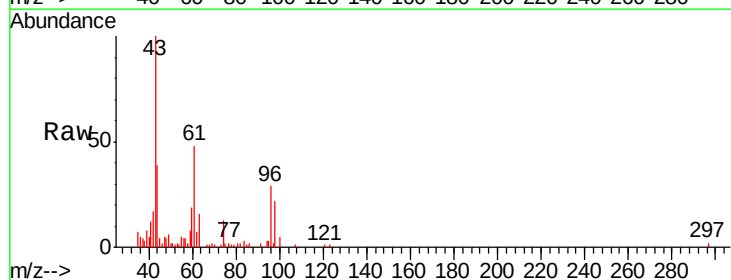
Acq: 15 Nov 2018 12:32

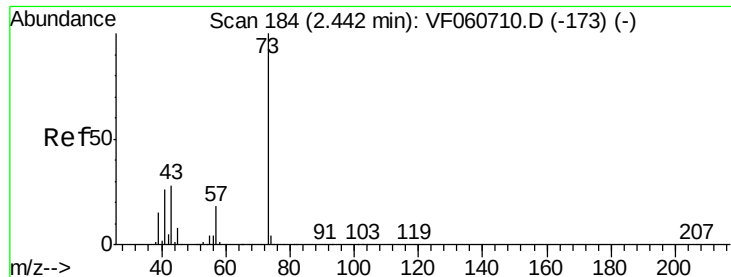
Tgt Ion: 43 Resp: 21109

Ion Ratio Lower Upper

43 100

74 13.0 11.8 17.8





#19

Methyl tert-butyl Ether

Concen: 21.30 ug/l

RT: 2.42 min Scan# 181

Delta R.T. -0.03 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

Instrument :

MSVOA_F

ClientSampleId :

VF1115SBS01

Tgt Ion: 73 Resp: 95170

Ion Ratio Lower Upper

73 100

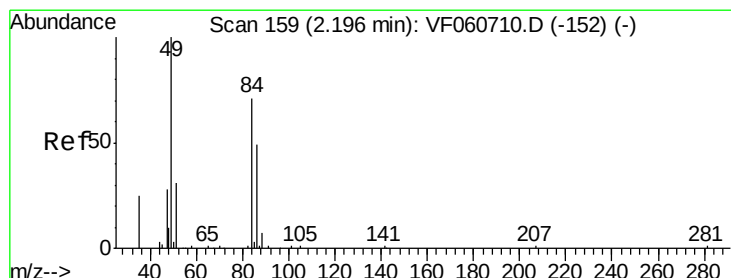
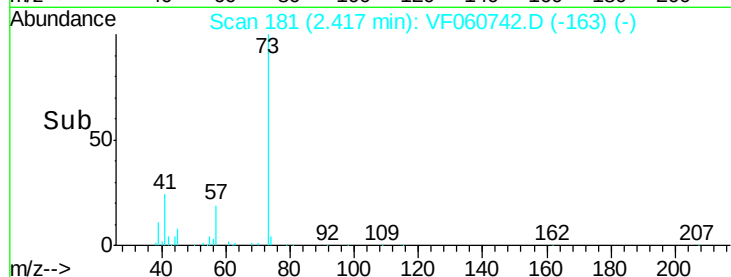
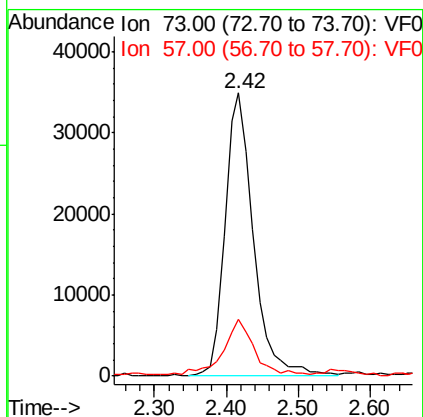
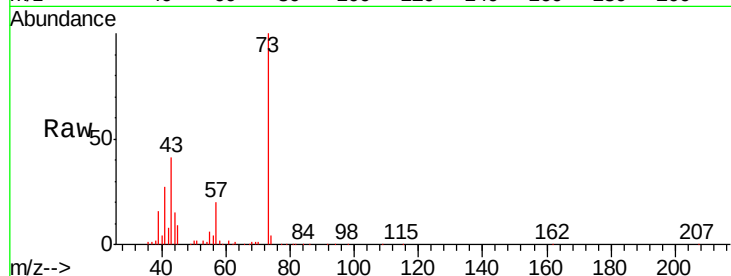
57 20.3 14.3 21.5

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#20

Methylene Chloride

Concen: 25.93 ug/l m

RT: 2.17 min Scan# 156

Delta R.T. -0.02 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

Tgt Ion: 84 Resp: 50502

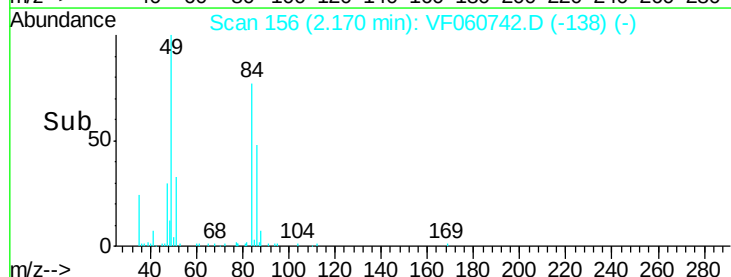
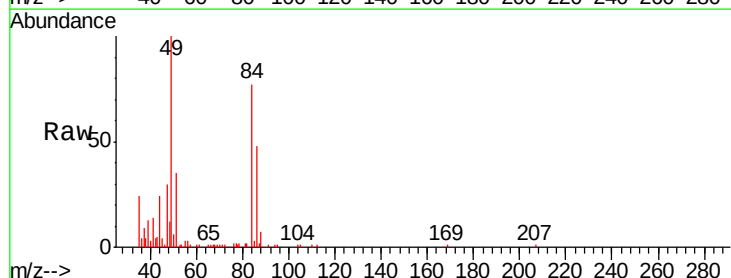
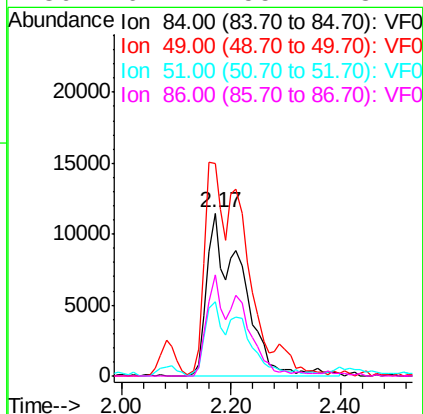
Ion Ratio Lower Upper

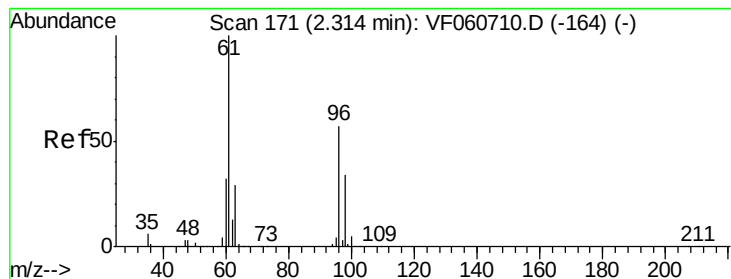
84 100

49 130.3 120.2 180.4

51 45.2 37.2 55.8

86 62.2 55.1 82.7





#21

trans-1,2-Dichloroethene

Concen: 22.72 ug/l

RT: 2.30 min Scan# 169

Delta R.T. -0.02 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

Instrument :

MSVOA_F

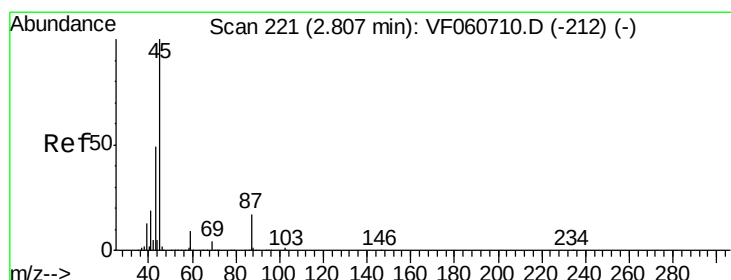
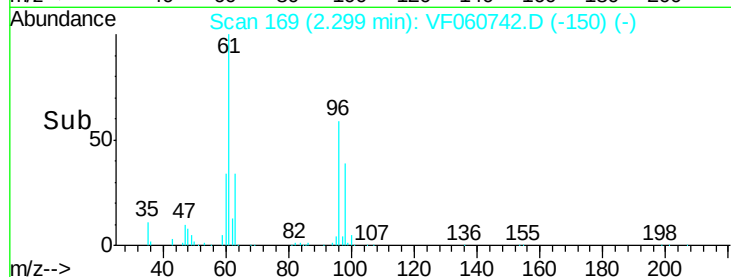
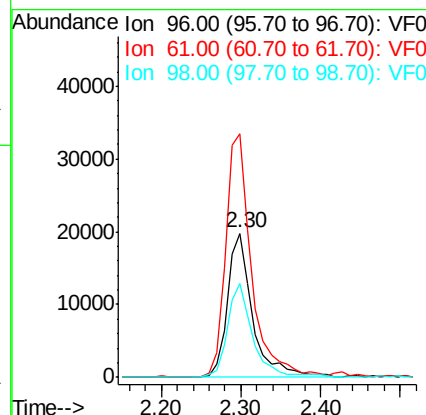
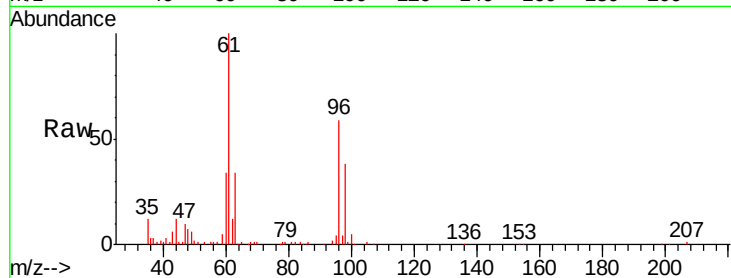
ClientSampleId :

VF1115SBS01

Tgt Ion:	96	Resp:	44196
Ion	Ratio	Lower	Upper
96	100		
61	169.1	141.6	212.4
98	64.9	47.4	71.0

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#22

Diisopropyl ether

Concen: 23.75 ug/l

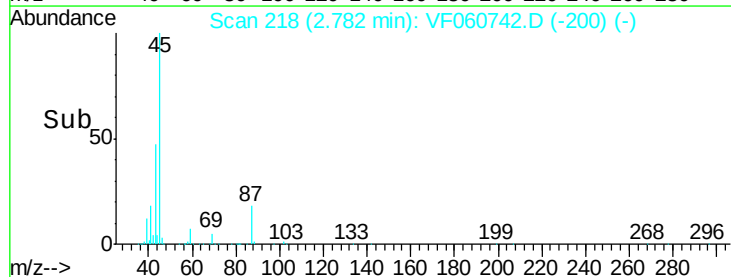
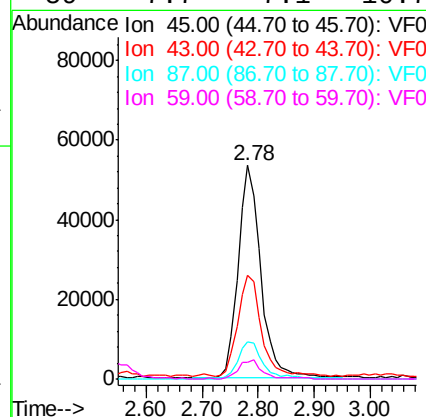
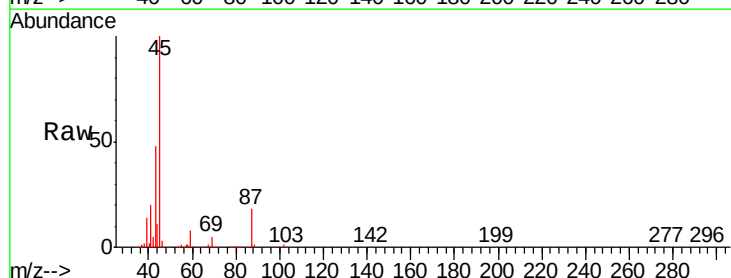
RT: 2.78 min Scan# 218

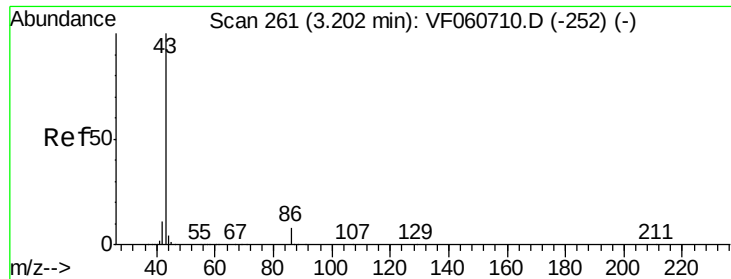
Delta R.T. -0.03 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

Tgt Ion:	45	Resp:	149602
Ion	Ratio	Lower	Upper
45	100		
43	48.5	39.9	59.9
87	17.6	13.9	20.9
59	7.7	7.1	10.7





#23

Vinyl Acetate

Concen: 122.46 ug/l

RT: 3.17 min Scan# 257

Delta R.T. -0.04 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

Instrument :

MSVOA_F

ClientSampleId :

VF1115SBS01

Tgt Ion: 43 Resp: 363215

Ion Ratio Lower Upper

43 100

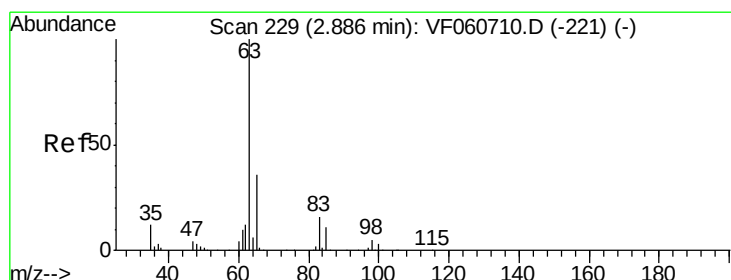
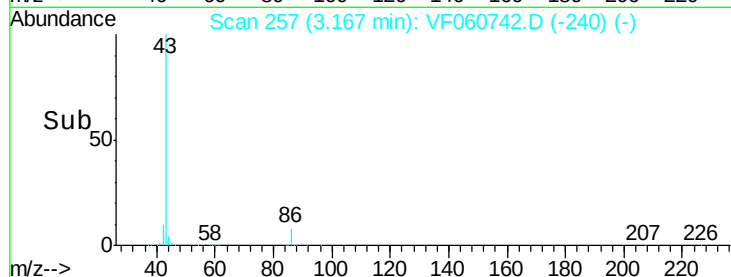
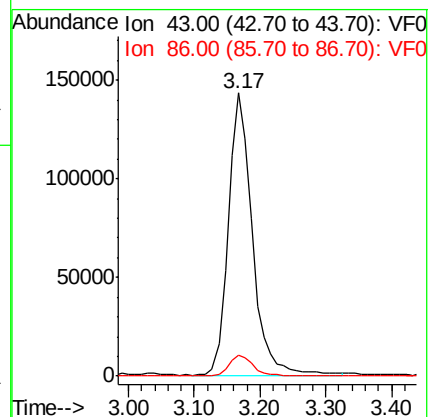
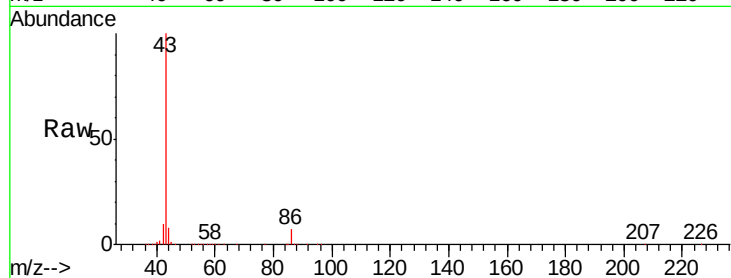
86 7.5 6.4 9.6

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#24

1,1-Dichloroethane

Concen: 24.01 ug/l

RT: 2.85 min Scan# 225

Delta R.T. -0.04 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

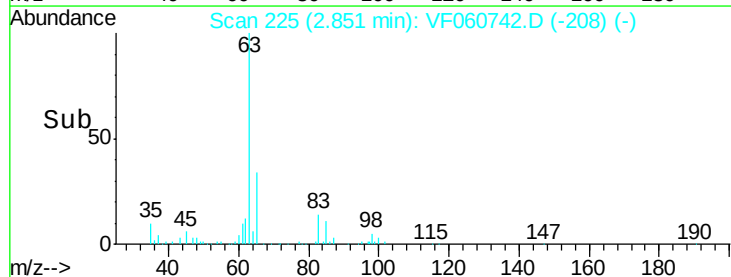
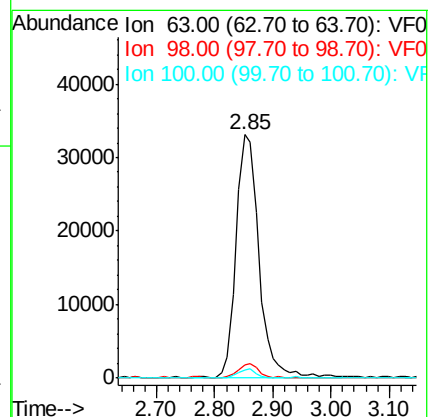
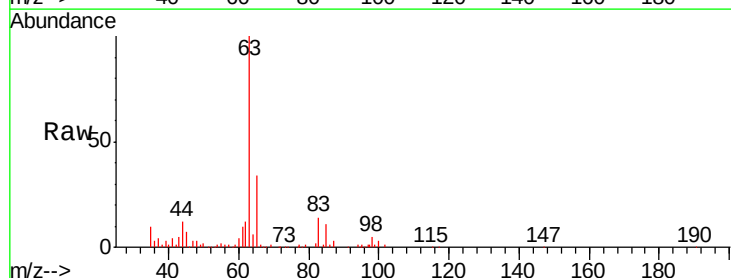
Tgt Ion: 63 Resp: 91546

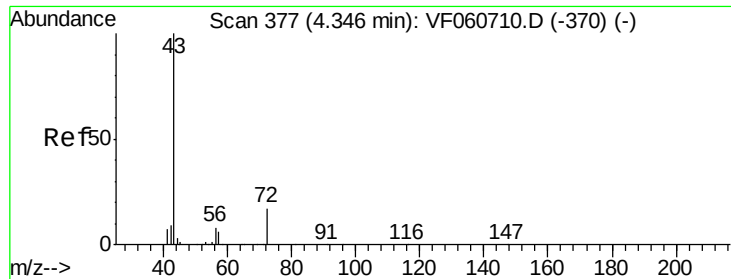
Ion Ratio Lower Upper

63 100

98 5.4 2.4 7.1

100 3.2 1.4 4.2





#25

2-Butanone

Concen: 108.07 ug/l

RT: 4.30 min Scan# 372

Delta R.T. -0.05 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

Instrument :

MSVOA_F

ClientSampleId :

VF1115SBS01

Tgt Ion: 43 Resp: 98916

Ion Ratio Lower Upper

43 100

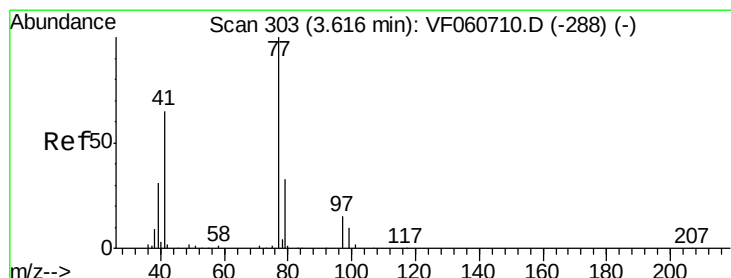
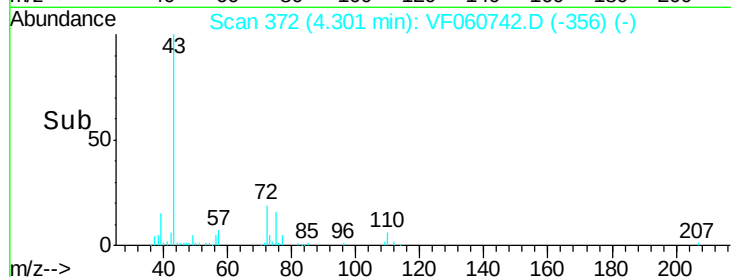
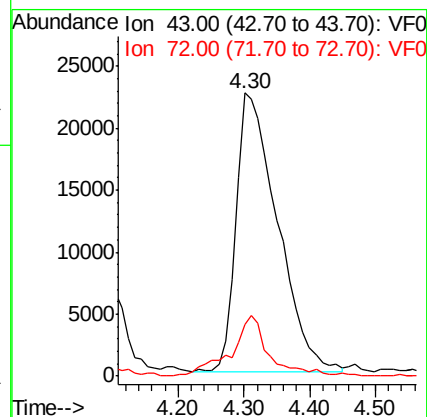
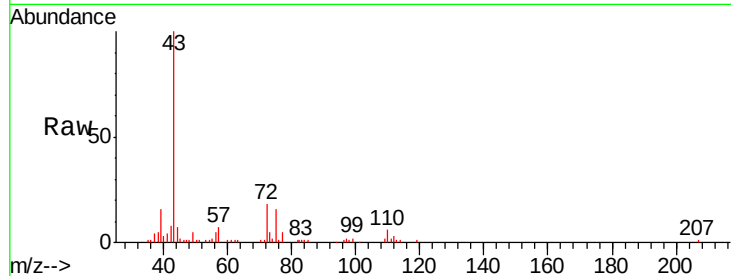
72 18.2 16.1 24.1

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#26

2,2-Dichloropropane

Concen: 21.04 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.04 min

Lab File: VF060742.D

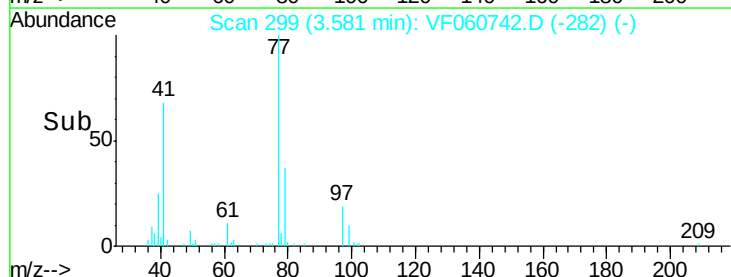
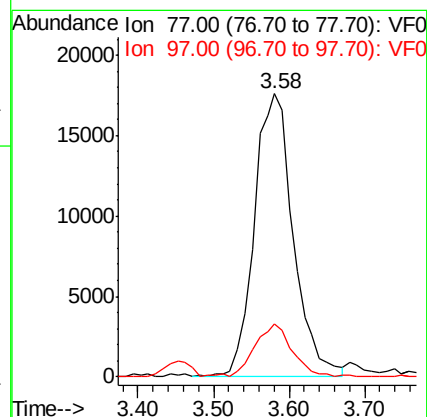
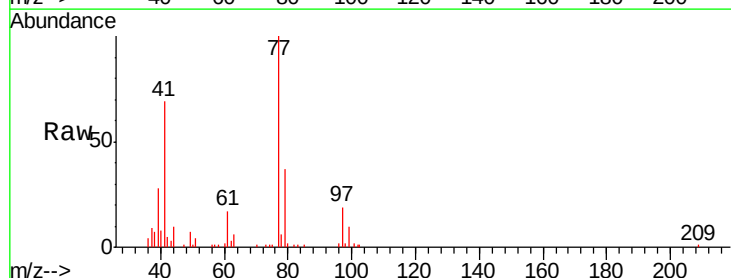
Acq: 15 Nov 2018 12:32

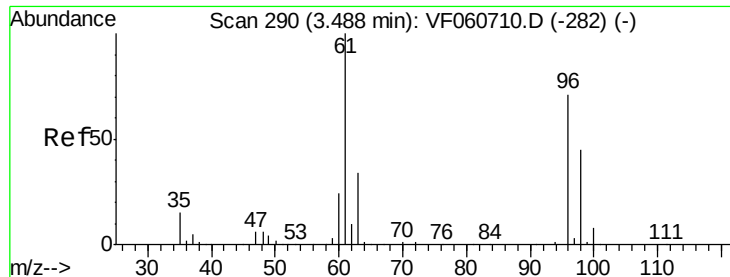
Tgt Ion: 77 Resp: 63143

Ion Ratio Lower Upper

77 100

97 18.8 8.8 26.5





#27

cis-1,2-Dichloroethene

Concen: 21.92 ug/l

RT: 3.46 min Scan# 287

Delta R.T. -0.03 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

Instrument :

MSVOA_F

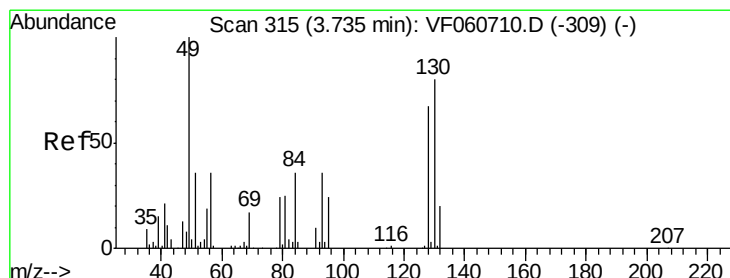
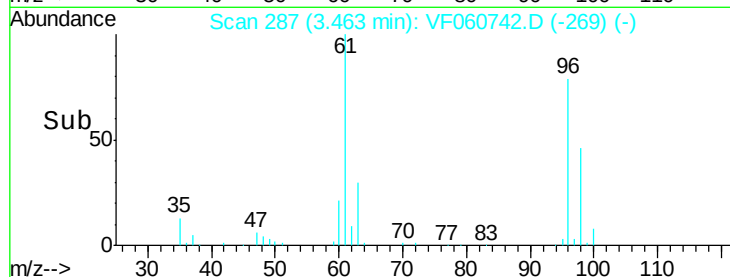
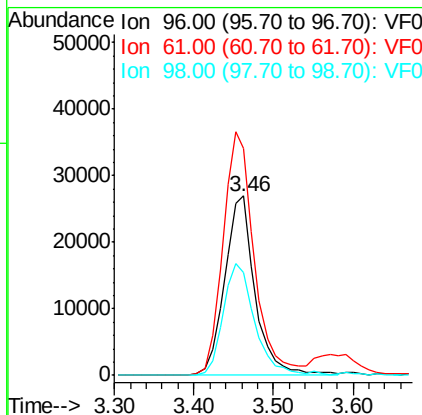
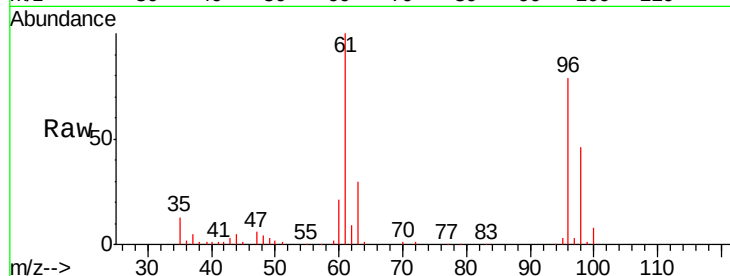
ClientSampleId :

VF1115SBS01

Tgt Ion:	96	Resp:	72559
Ion	Ratio	Lower	Upper
96	100		
61	126.3	0.0	280.6
98	57.7	0.0	127.6

Manual Integrations
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MMDadoda
11/16/2018 1:25:45 PM



#28

Bromochloromethane

Concen: 22.91 ug/l

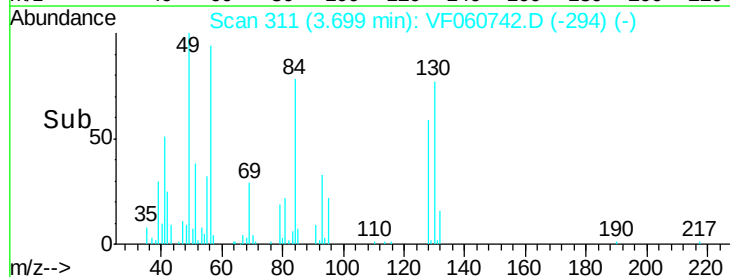
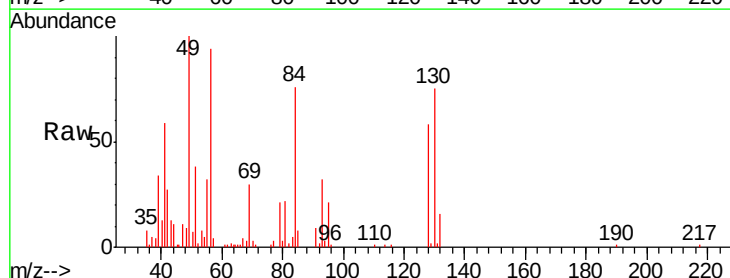
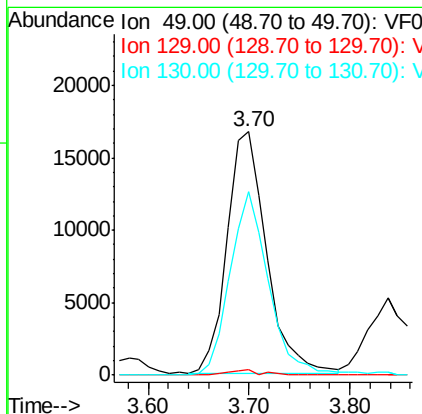
RT: 3.70 min Scan# 311

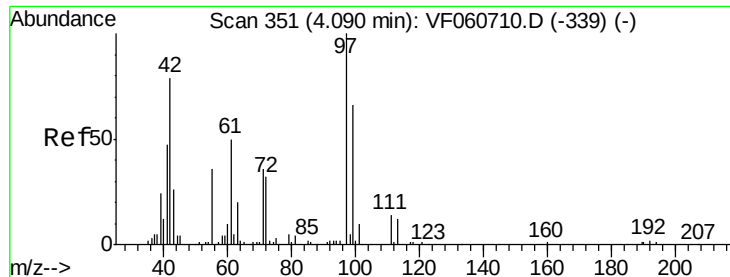
Delta R.T. -0.04 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

Tgt Ion:	49	Resp:	45396
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	5.2
130	75.5	63.9	95.9





#29

Tetrahydrofuran

Concen: 104.70 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.04 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

Instrument :

MSVOA_F

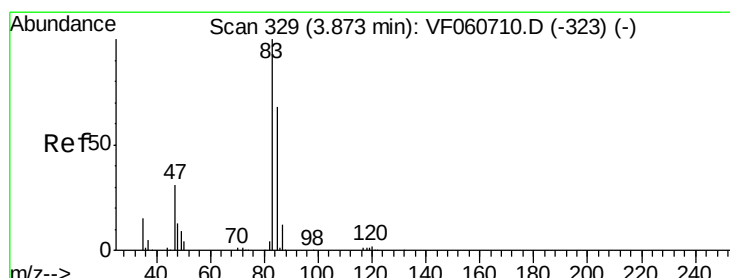
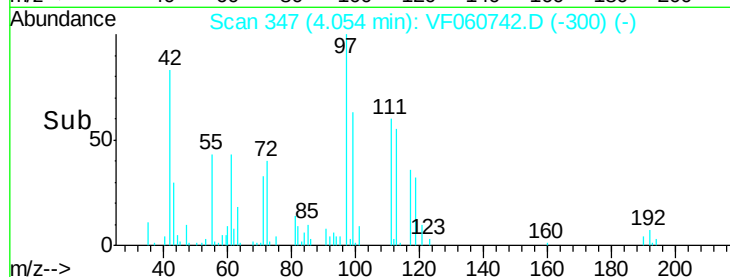
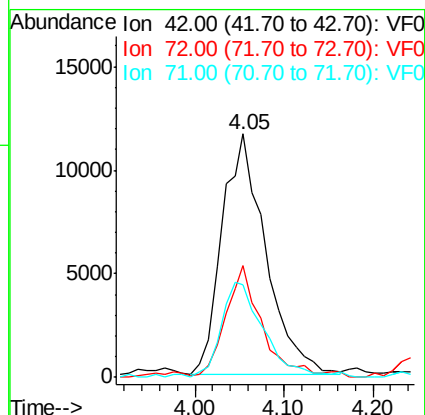
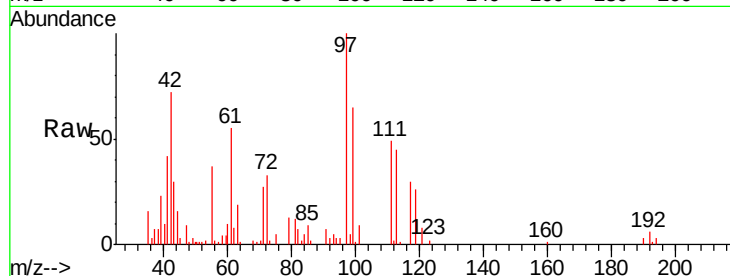
ClientSampleId :

VF1115SBS01

Tgt Ion:	42	Resp:	39530
Ion	Ratio	Lower	Upper
42	100		
72	39.8	30.3	45.5
71	39.7	32.2	48.2

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11/16/2018 1:25:45 PM



#30

Chloroform

Concen: 24.25 ug/l

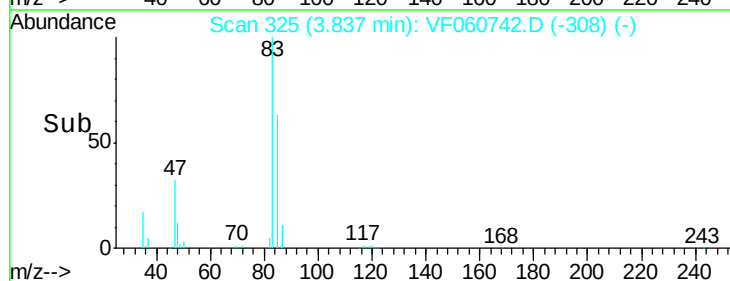
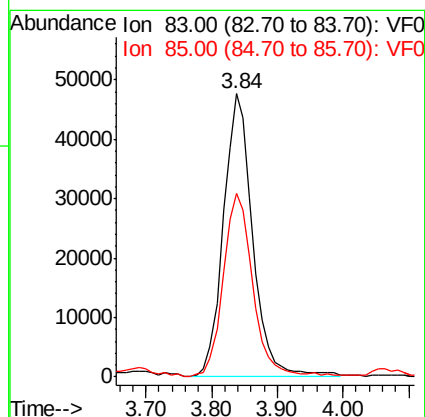
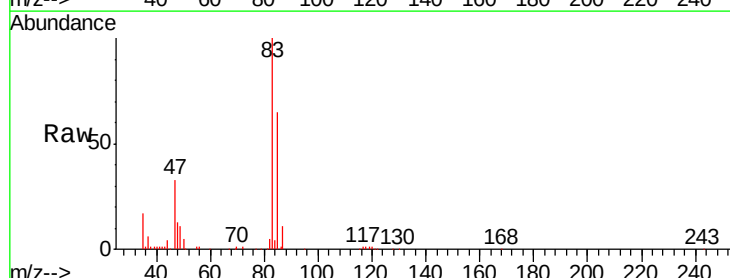
RT: 3.84 min Scan# 325

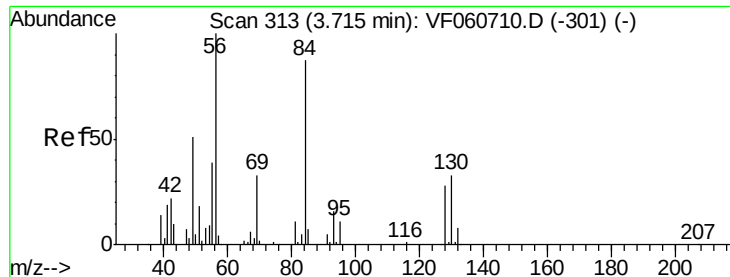
Delta R.T. -0.04 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

Tgt Ion:	83	Resp:	148365
Ion	Ratio	Lower	Upper
83	100		
85	64.7	54.6	82.0





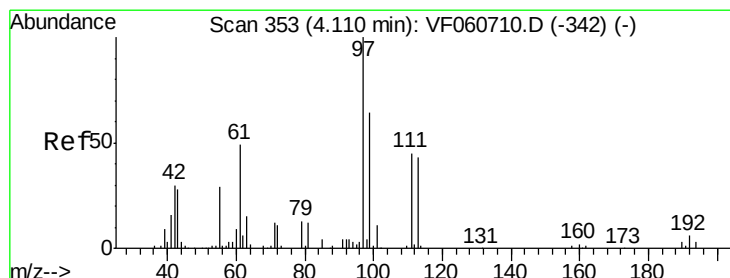
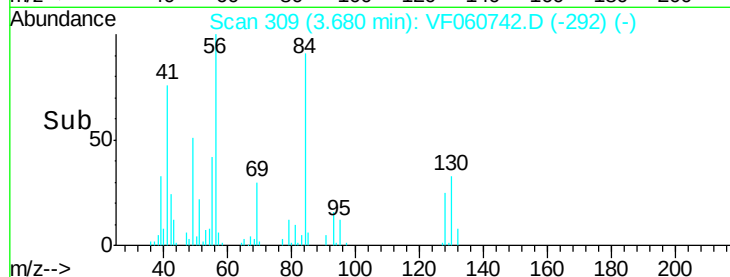
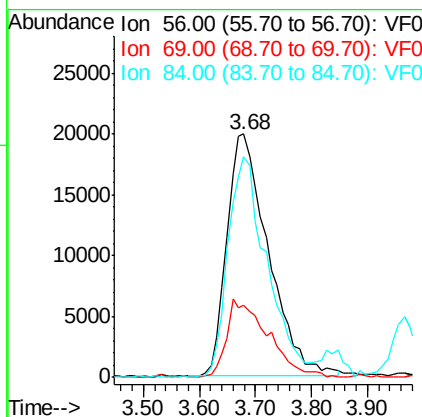
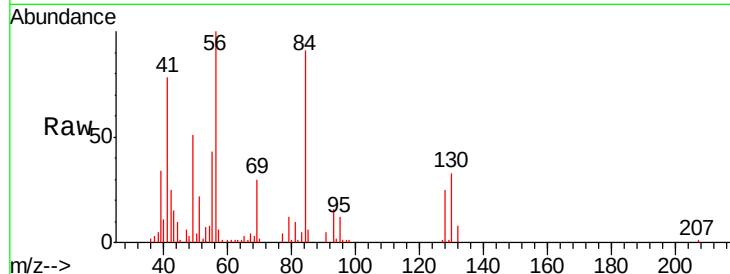
#31
Cyclohexane
Concen: 22.10 ug/l
RT: 3.68 min Scan# 309
Delta R.T. -0.04 min
Lab File: VF060742.D
Acq: 15 Nov 2018 12:32

Instrument :
MSVOA_F
ClientSampleId :
VF1115SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.8	26.0	39.0
84	90.6	69.4	104.2

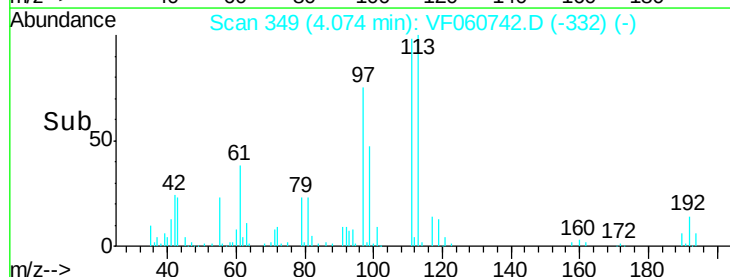
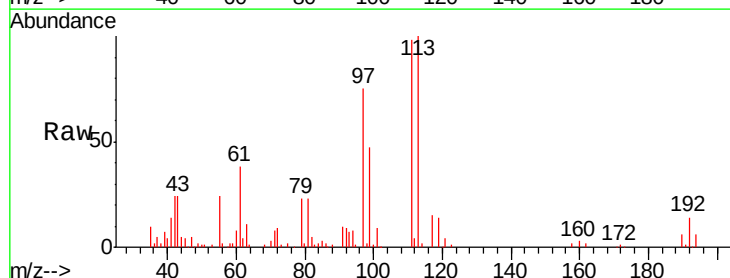
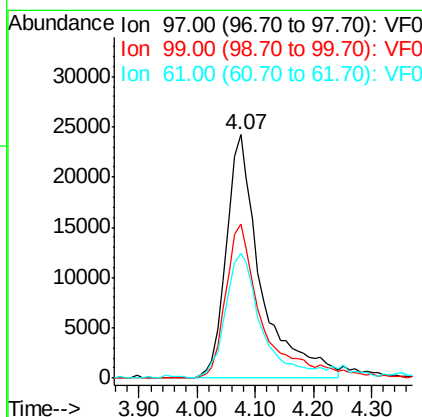
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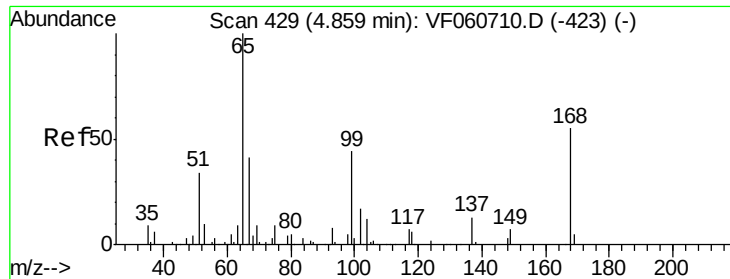
MMDadoda
11/16/2018 1:25:45 PM



#32
1,1,1-Trichloroethane
Concen: 20.87 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.04 min
Lab File: VF060742.D
Acq: 15 Nov 2018 12:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.1	76.7
61	51.0	40.1	60.1





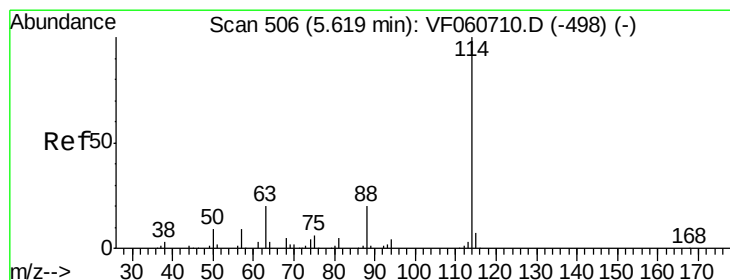
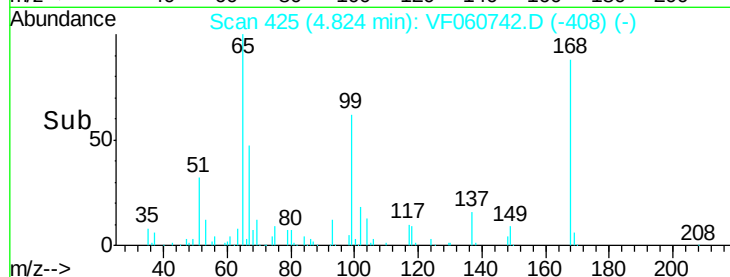
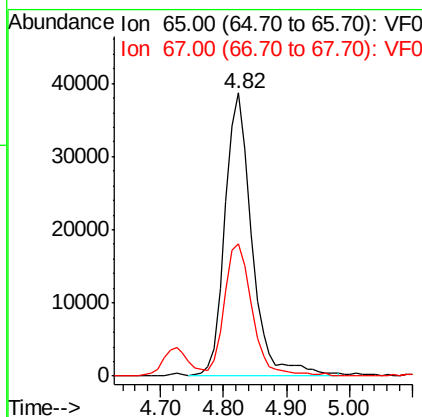
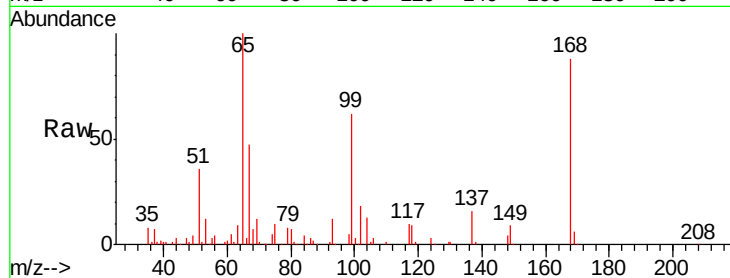
#33
 1,2-Dichloroethane-d4
 Concen: 44.18 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.04 min
 Lab File: VF060742.D
 Acq: 15 Nov 2018 12:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1115SBS01

Tgt Ion: 65 Resp: 115035
 Ion Ratio Lower Upper
 65 100
 67 46.6 0.0 90.2

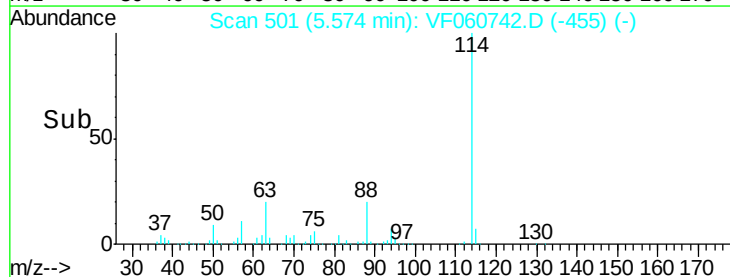
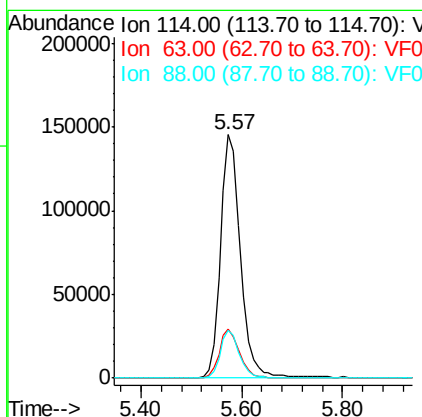
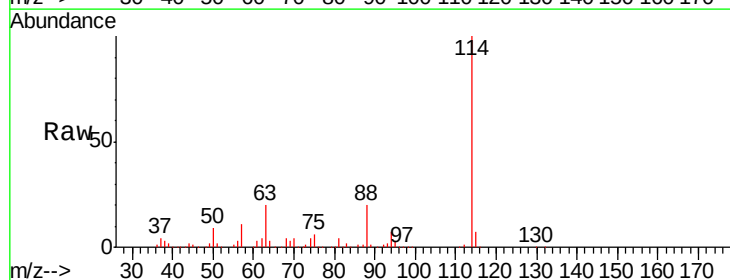
Manual Integrations
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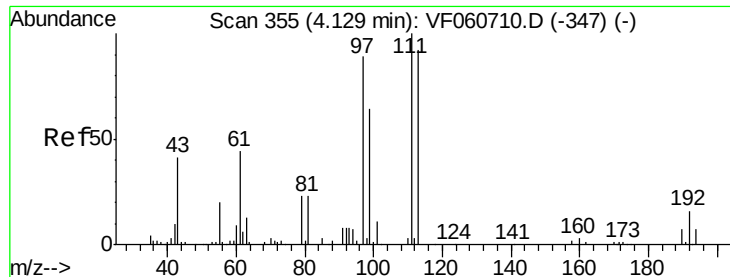
MMDadoda
 11/16/2018 1:25:45 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.57 min Scan# 501
 Delta R.T. -0.05 min
 Lab File: VF060742.D
 Acq: 15 Nov 2018 12:32

Tgt Ion: 114 Resp: 401343
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.8
 88 19.7 0.0 39.6





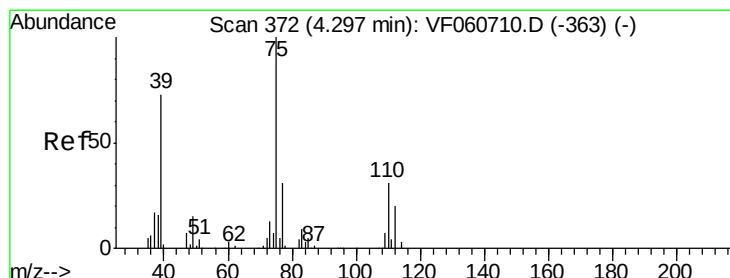
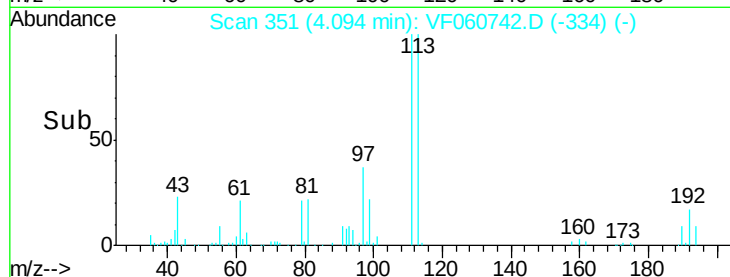
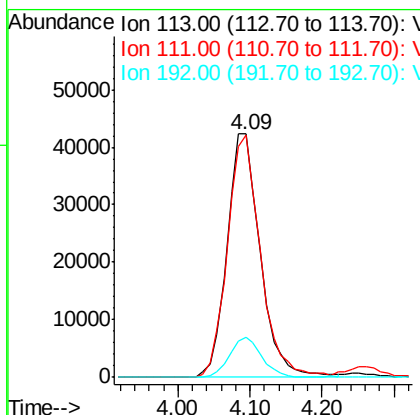
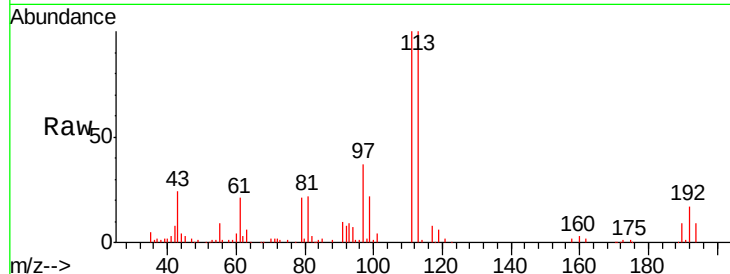
#35
Dibromofluoromethane
Concen: 45.14 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.04 min
Lab File: VF060742.D
Acq: 15 Nov 2018 12:32

Instrument :
MSVOA_F
ClientSampleId :
VF1115SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	136180		
111	99.6	87.1	130.7	
192	16.7	13.8	20.6	

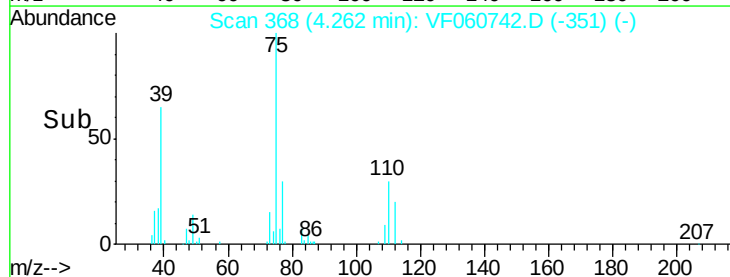
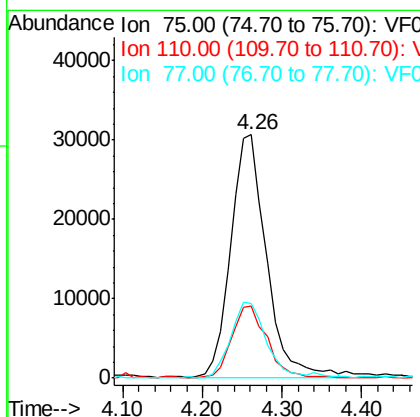
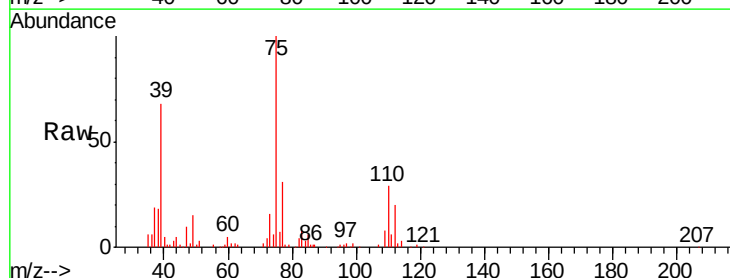
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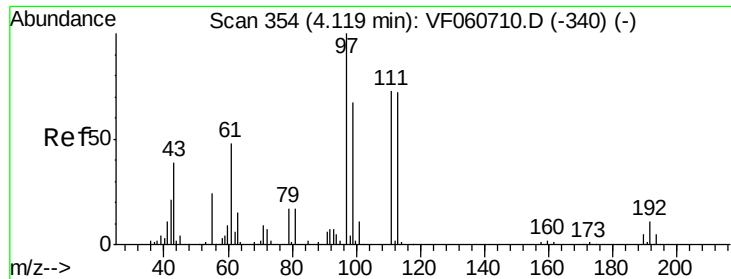
MMDadoda
11/16/2018 1:25:45 PM



#36
1,1-Dichloropropene
Concen: 20.36 ug/l
RT: 4.26 min Scan# 368
Delta R.T. -0.04 min
Lab File: VF060742.D
Acq: 15 Nov 2018 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	94746		
110	29.5	15.6	46.8	
77	30.5	25.0	37.6	





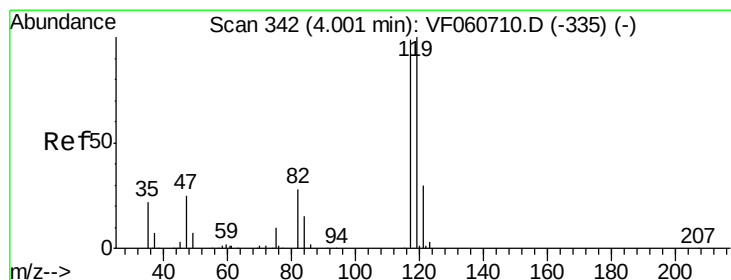
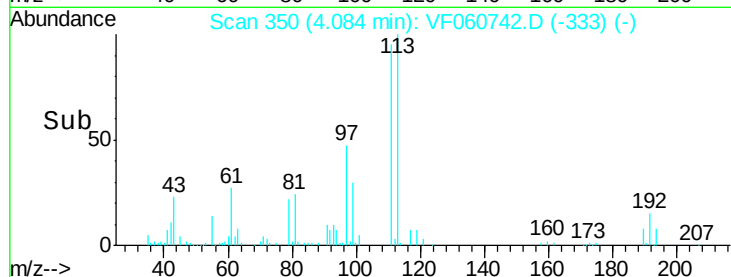
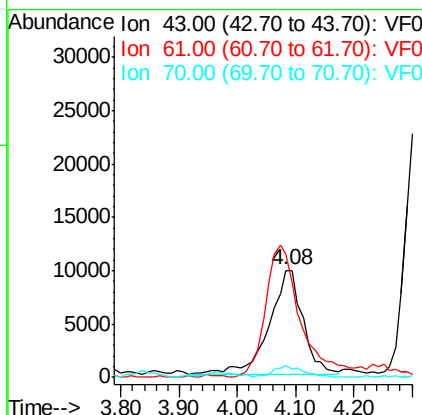
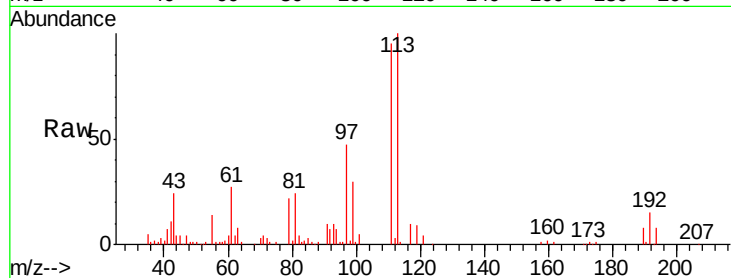
#37
Ethyl Acetate
Concen: 22.82 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.04 min
Lab File: VF060742.D
Acq: 15 Nov 2018 12:32

Instrument :
MSVOA_F
ClientSampleId :
VF1115SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	114.6	98.5	147.7
70	10.7	7.4	11.0

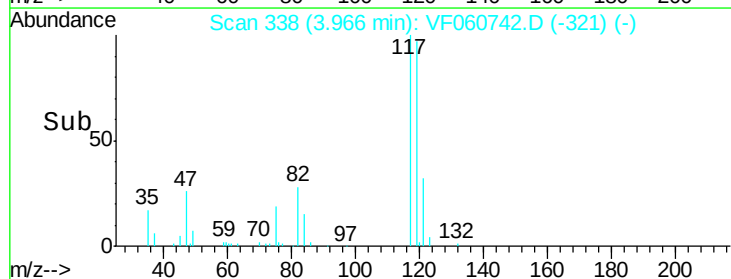
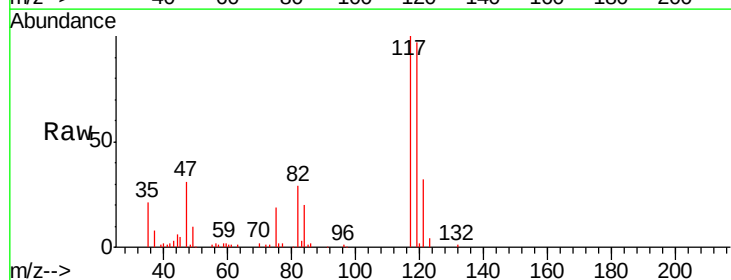
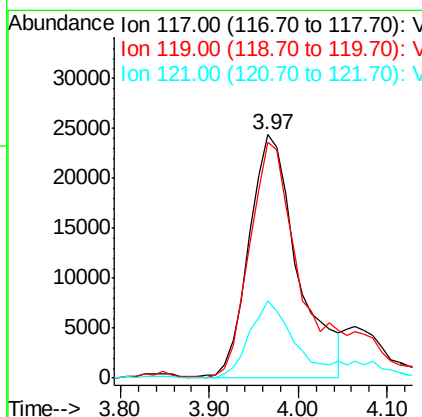
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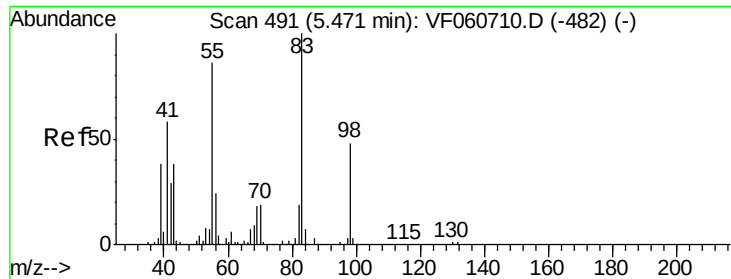
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.42 ug/l
RT: 3.97 min Scan# 338
Delta R.T. -0.04 min
Lab File: VF060742.D
Acq: 15 Nov 2018 12:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	80.7	121.1
121	31.6	24.3	36.5





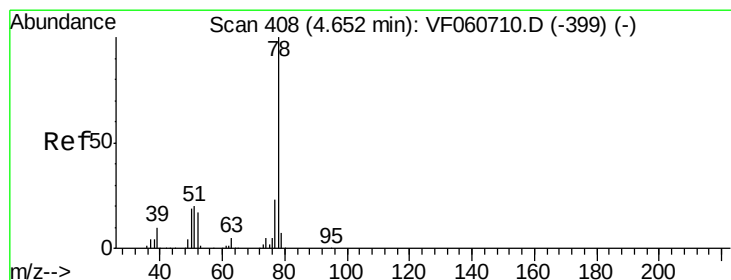
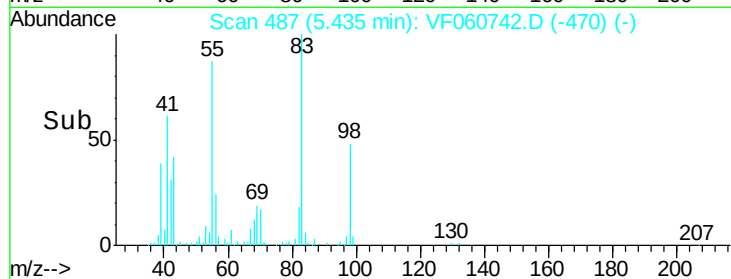
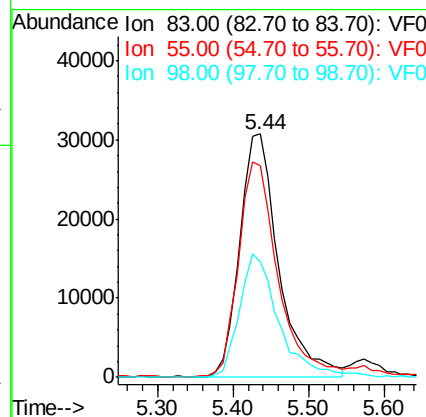
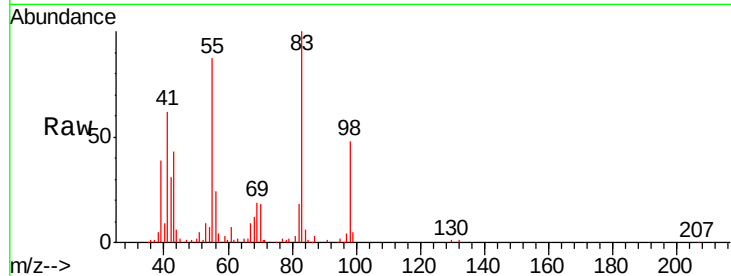
#39
Methylcyclohexane
Concen: 20.47 ug/l
RT: 5.44 min Scan# 487
Delta R.T. -0.04 min
Lab File: VF060742.D
Acq: 15 Nov 2018 12:32

Instrument :
MSVOA_F
ClientSampleId :
VF1115SBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	87.2	69.0	103.4
98	47.6	38.5	57.7

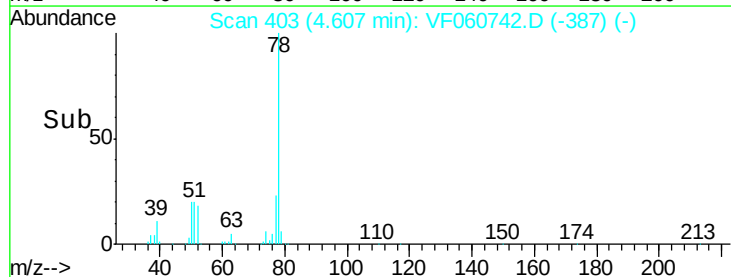
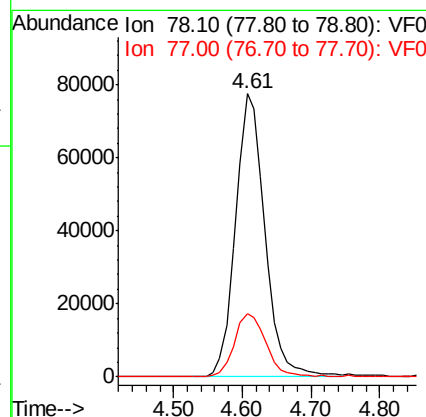
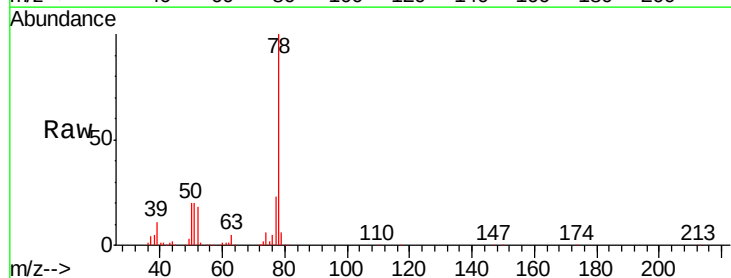
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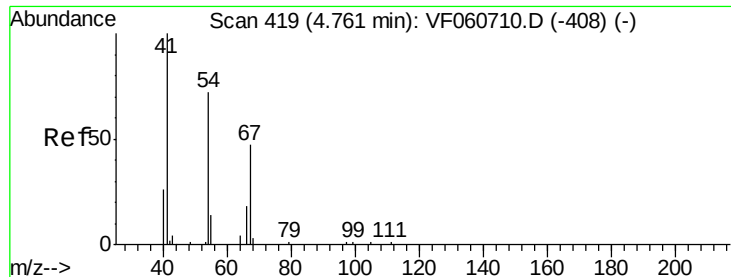
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#40
Benzene
Concen: 22.14 ug/l
RT: 4.61 min Scan# 403
Delta R.T. -0.05 min
Lab File: VF060742.D
Acq: 15 Nov 2018 12:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.6	28.0





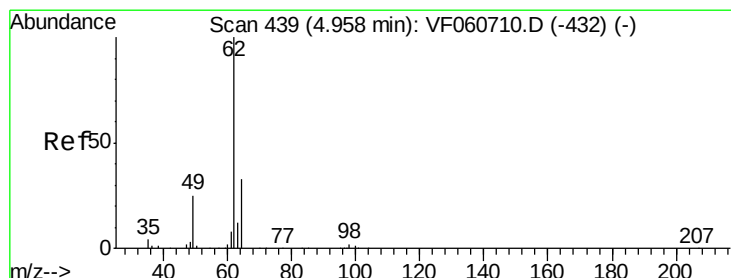
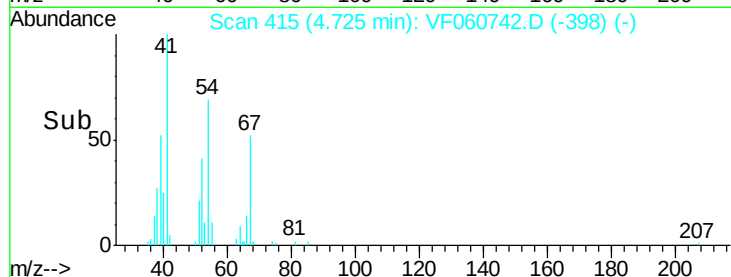
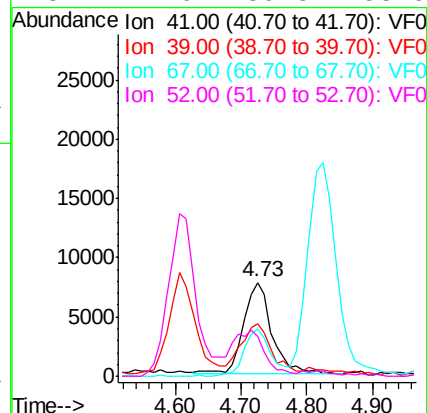
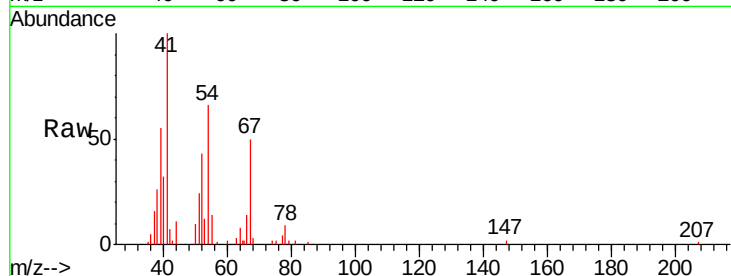
#41
Methacrylonitrile
Concen: 23.34 ug/l
RT: 4.73 min Scan# 415
Delta R.T. -0.03 min
Lab File: VF060742.D
Acq: 15 Nov 2018 12:32

Instrument :
MSVOA_F
ClientSampleId :
VF1115SBS01

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.5	47.1	70.7	
67	49.8	37.1	55.7	
52	42.6	39.3	58.9	

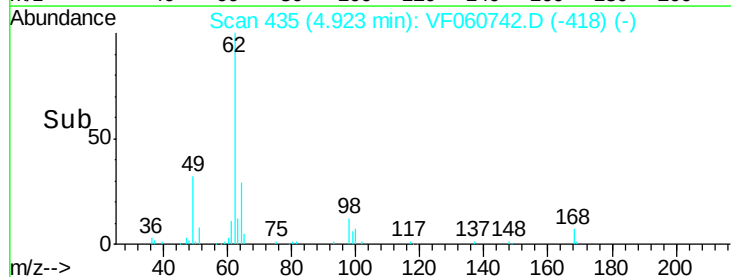
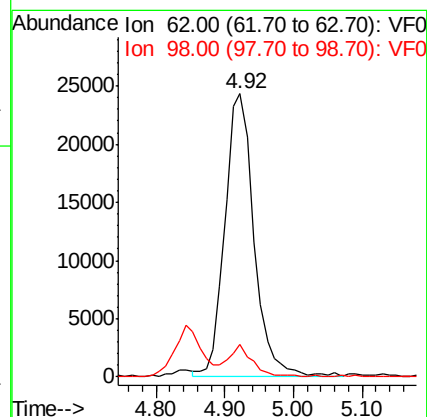
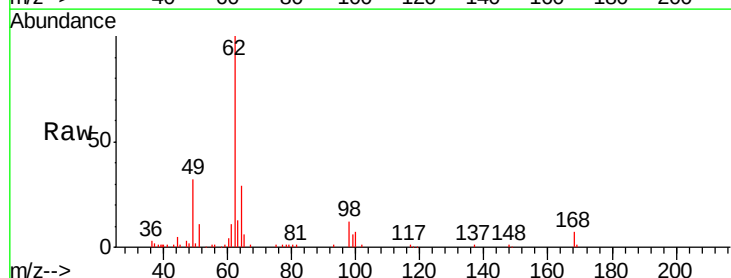
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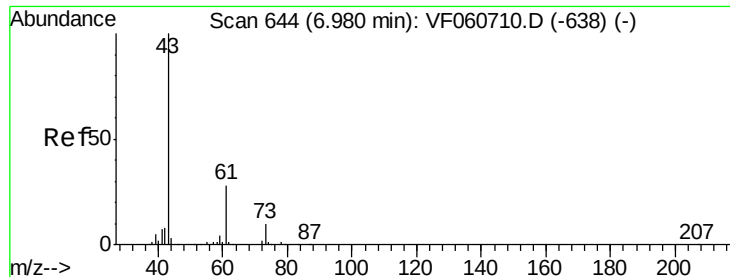
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.04 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.04 min
Lab File: VF060742.D
Acq: 15 Nov 2018 12:32

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	11.7	0.0	16.6	





#43

Isopropyl Acetate

Concen: 23.99 ug/l

RT: 6.93 min Scan# 639

Delta R.T. -0.05 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

Instrument :

MSVOA_F

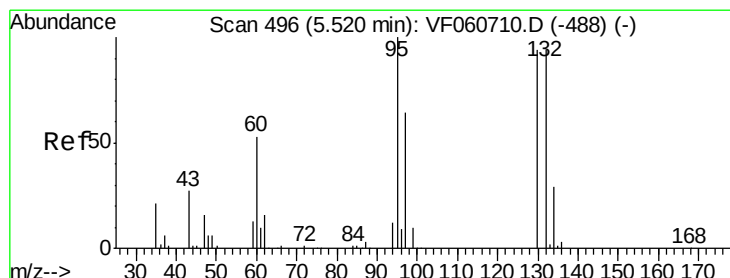
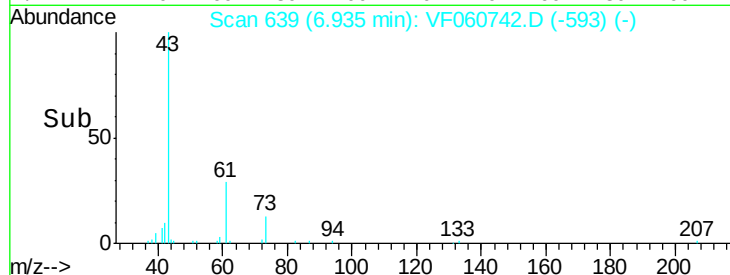
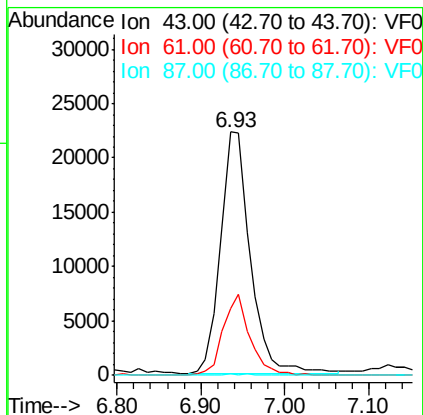
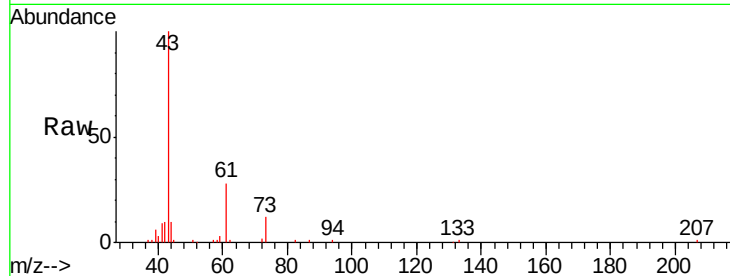
ClientSampleId :

VF1115SBS01

Tgt Ion:	43	Resp:	55054
Ion	Ratio	Lower	Upper
43	100		
61	27.7	22.2	33.4
87	0.6	0.4	0.6#

Manual Integrations
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11/16/2018 1:25:45 PM



#44

Trichloroethene

Concen: 20.75 ug/l

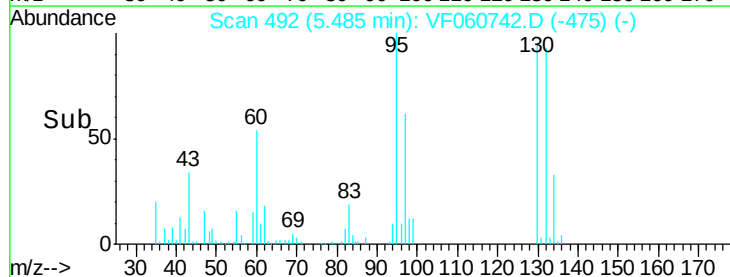
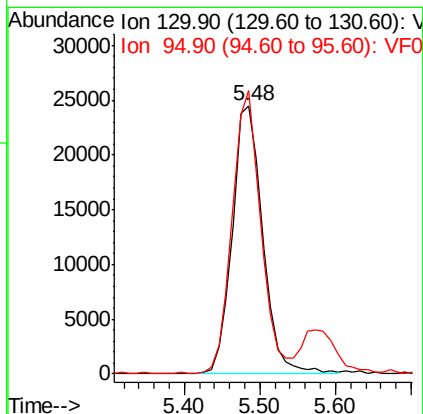
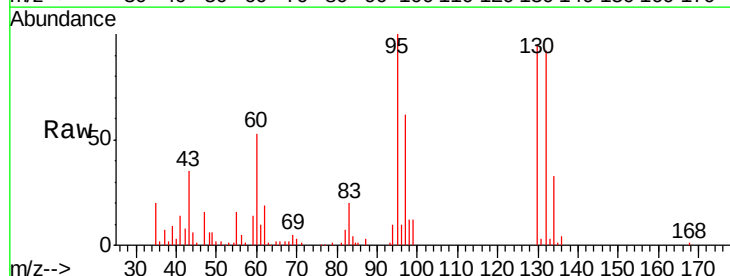
RT: 5.48 min Scan# 492

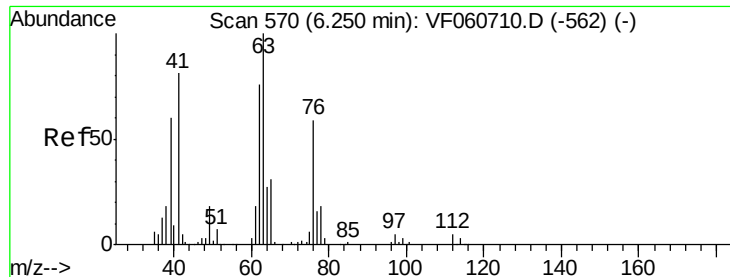
Delta R.T. -0.04 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

Tgt Ion:	130	Resp:	67917
Ion	Ratio	Lower	Upper
130	100		
95	105.6	0.0	212.6





#45

1,2-Dichloropropane

Concen: 21.10 ug/l

RT: 6.21 min Scan# 566

Delta R.T. -0.04 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

Instrument :

MSVOA_F

ClientSampleId :

VF1115SBS01

Tgt Ion: 63 Resp: 56979

Ion Ratio Lower Upper

63 100

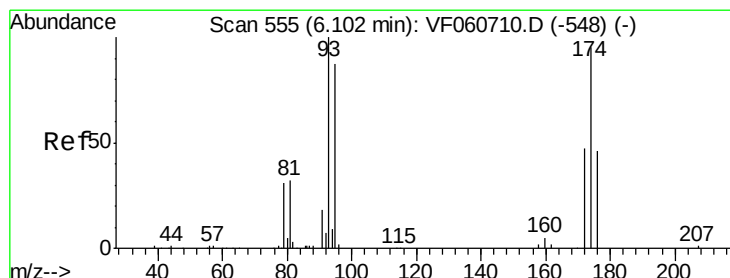
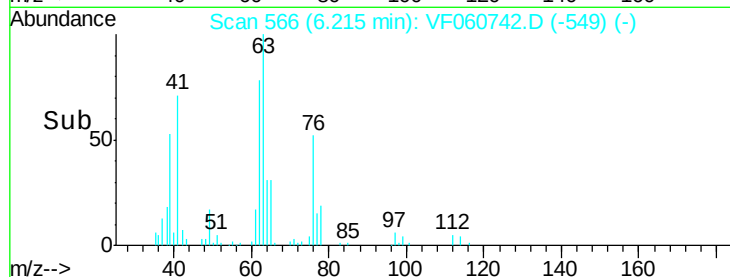
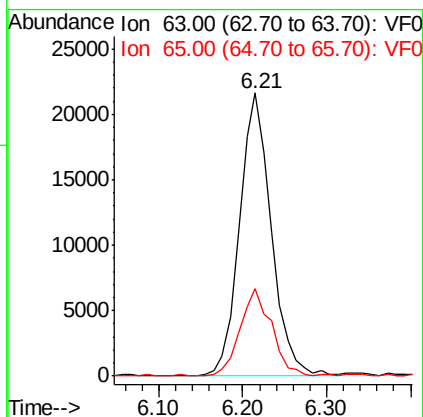
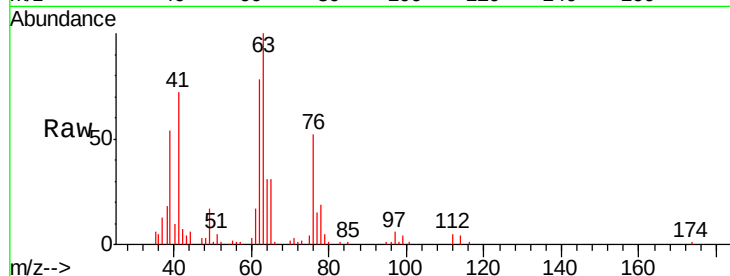
65 31.0 24.6 36.8

Manual Integrations

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#46

Dibromomethane

Concen: 20.61 ug/l

RT: 6.07 min Scan# 551

Delta R.T. -0.04 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

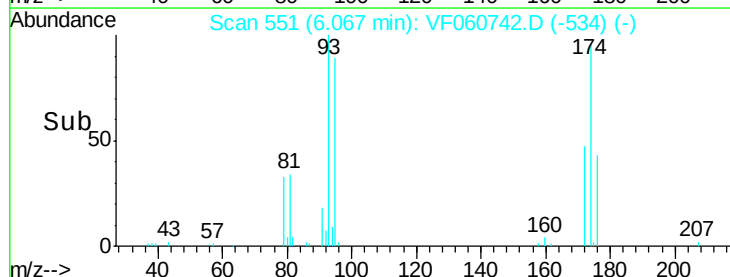
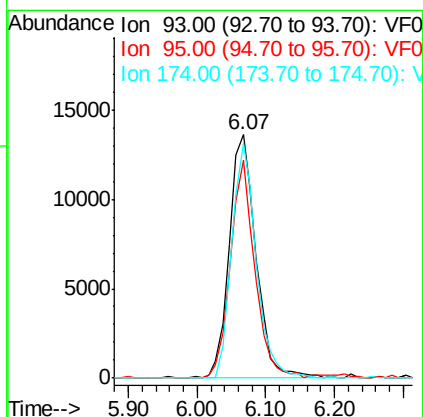
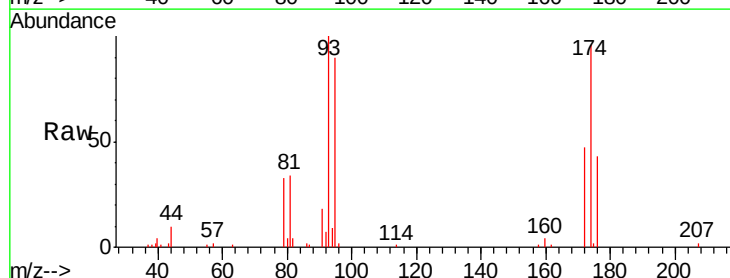
Tgt Ion: 93 Resp: 36730

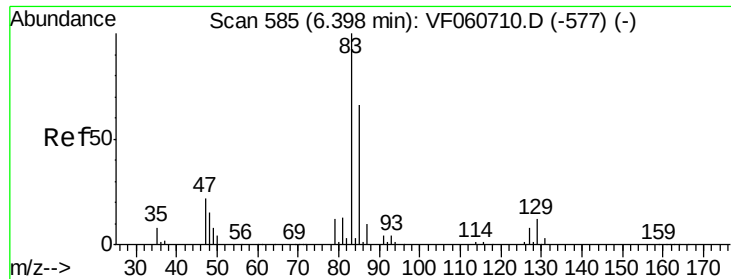
Ion Ratio Lower Upper

93 100

95 89.5 69.5 104.3

174 96.4 76.2 114.2





#47

Bromodichloromethane

Concen: 21.30 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.04 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

Instrument :

MSVOA_F

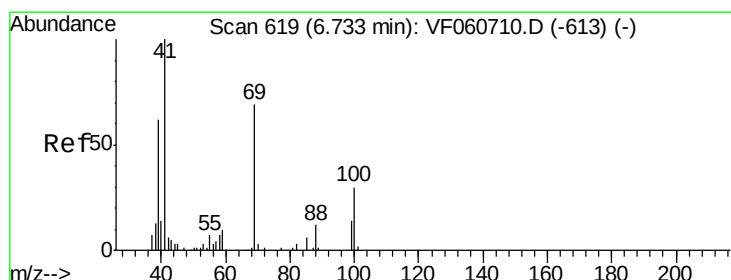
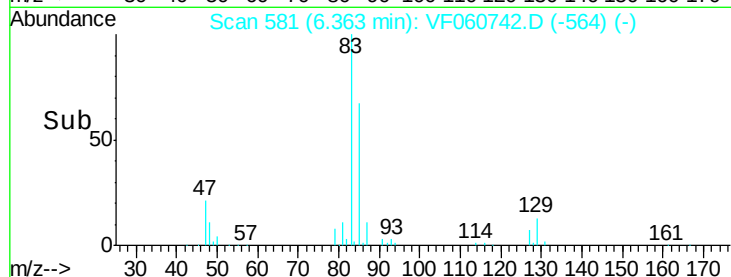
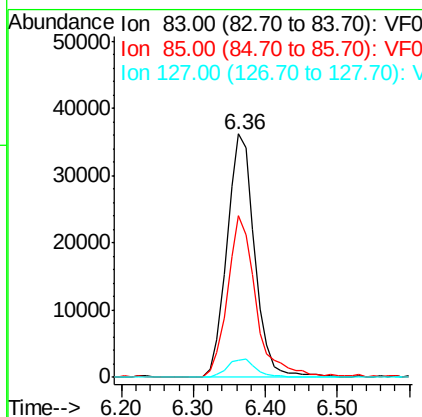
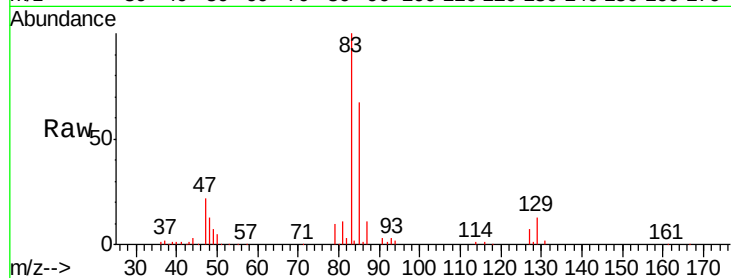
ClientSampleId :

VF1115SBS01

Tgt Ion:	83	Resp:	96930
Ion	Ratio	Lower	Upper
83	100		
85	66.6	52.4	78.6
127	7.0	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.96 ug/l

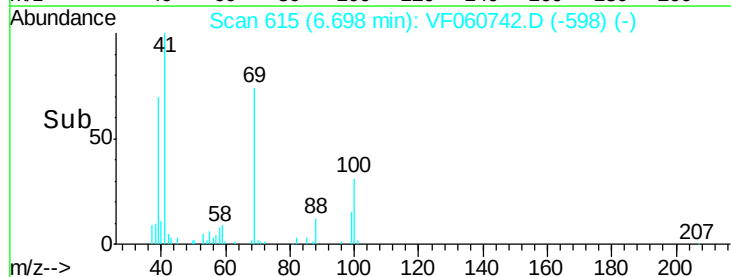
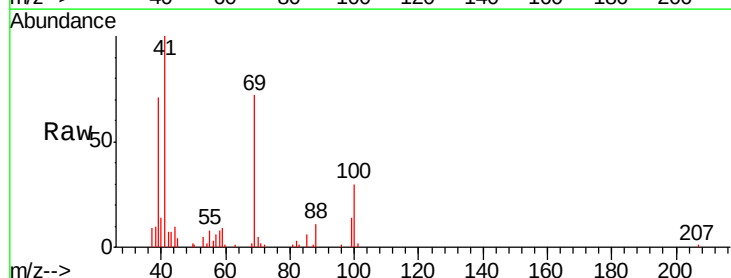
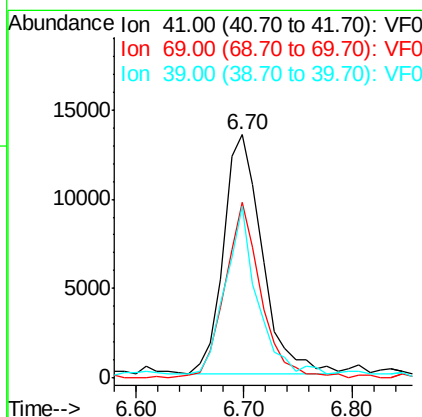
RT: 6.70 min Scan# 615

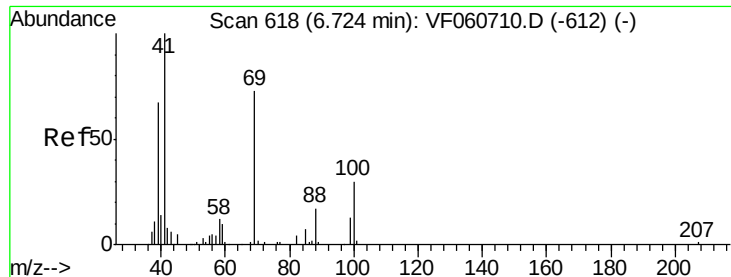
Delta R.T. -0.04 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

Tgt Ion:	41	Resp:	33349
Ion	Ratio	Lower	Upper
41	100		
69	72.0	54.9	82.3
39	70.5	49.6	74.4





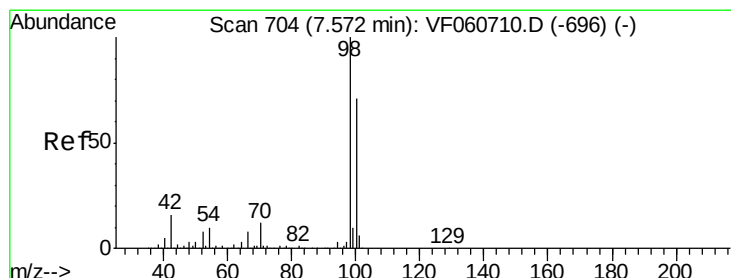
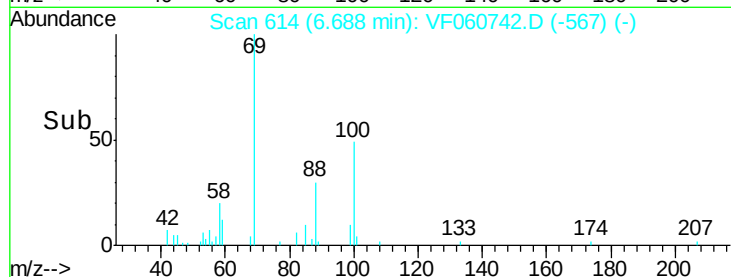
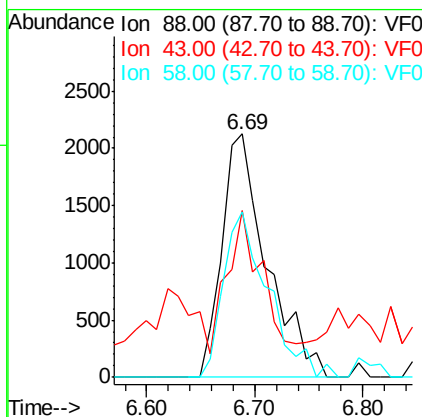
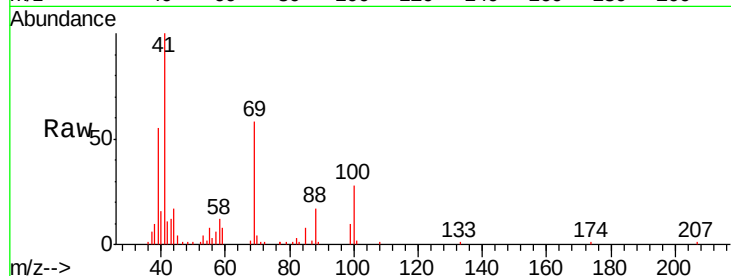
#49
1,4-Dioxane
Concen: 433.90 ug/l
RT: 6.69 min Scan# 614
Delta R.T. -0.04 min
Lab File: VF060742.D
Acq: 15 Nov 2018 12:32

Instrument :
MSVOA_F
ClientSampleId :
VF1115SBSD01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	68.5	44.6	66.8#
58	68.1	54.5	81.7

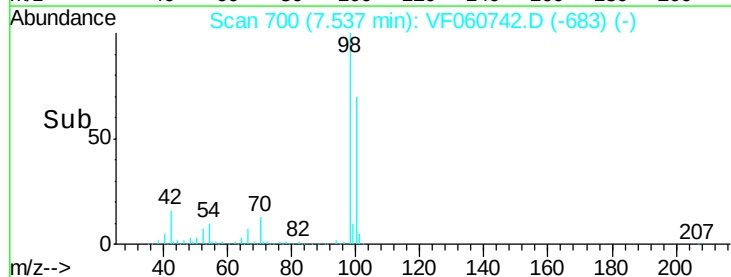
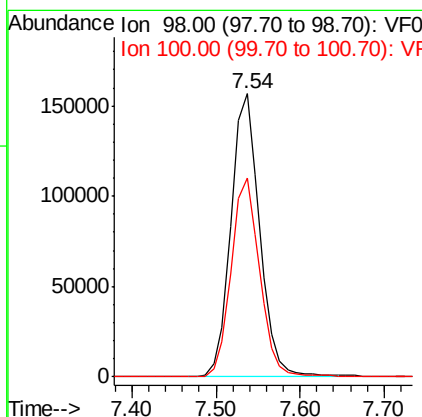
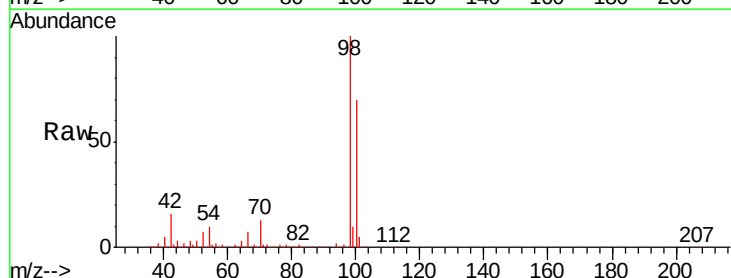
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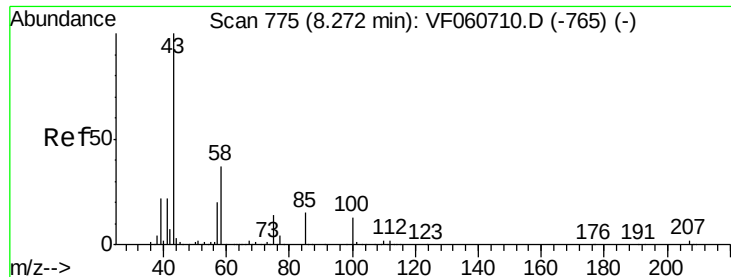
MMDadoda
11/16/2018 1:25:45 PM



#50
Toluene-d8
Concen: 47.94 ug/l
RT: 7.54 min Scan# 700
Delta R.T. -0.03 min
Lab File: VF060742.D
Acq: 15 Nov 2018 12:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.5	56.5	84.7





#51

4-Methyl-2-Pentanone

Concen: 113.51 ug/l

RT: 8.24 min Scan# 771

Delta R.T. -0.04 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

Instrument :

MSVOA_F

ClientSampleId :

VF1115SBS01

Tgt Ion: 43 Resp: 188368

Ion Ratio Lower Upper

43 100

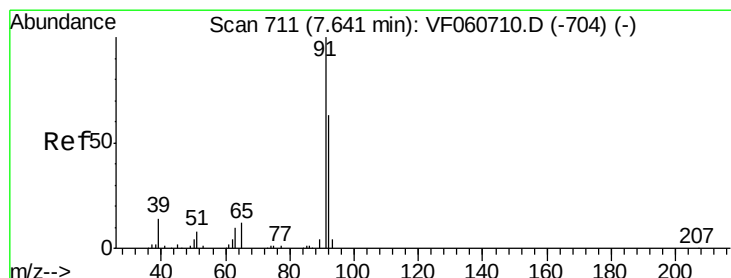
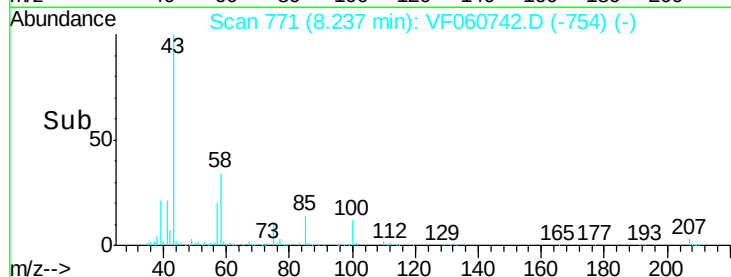
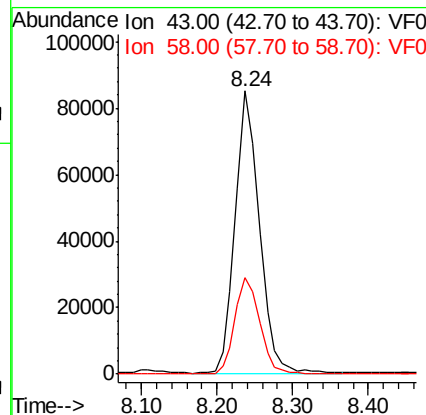
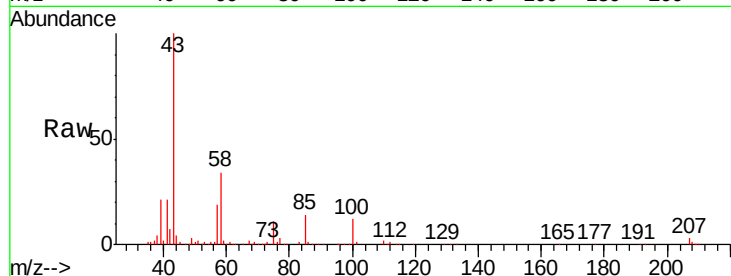
58 34.1 29.2 43.8

Manual Integrations

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#52

Toluene

Concen: 20.20 ug/l

RT: 7.61 min Scan# 707

Delta R.T. -0.04 min

Lab File: VF060742.D

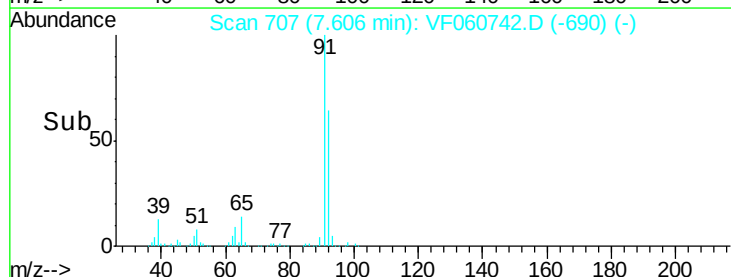
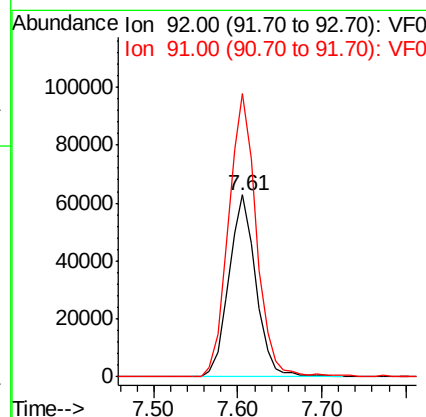
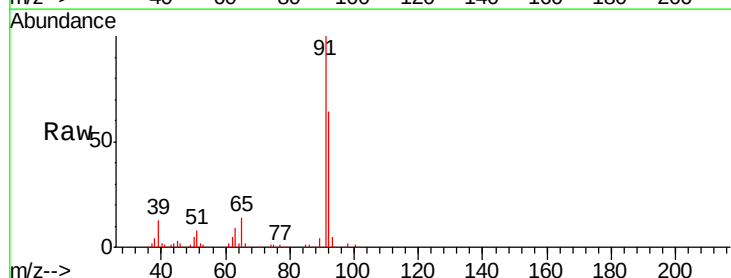
Acq: 15 Nov 2018 12:32

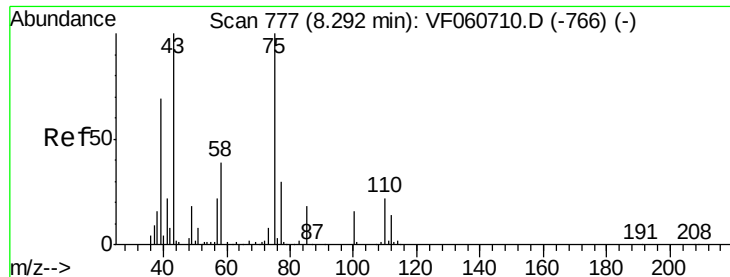
Tgt Ion: 92 Resp: 140429

Ion Ratio Lower Upper

92 100

91 155.7 126.7 190.1





#53

t-1,3-Dichloropropene

Concen: 19.93 ug/l

RT: 8.26 min Scan# 773

Delta R.T. -0.04 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

Instrument :

MSVOA_F

ClientSampleId :

VF1115SBS01

Tgt Ion: 75 Resp: 72656

Ion Ratio Lower Upper

75 100

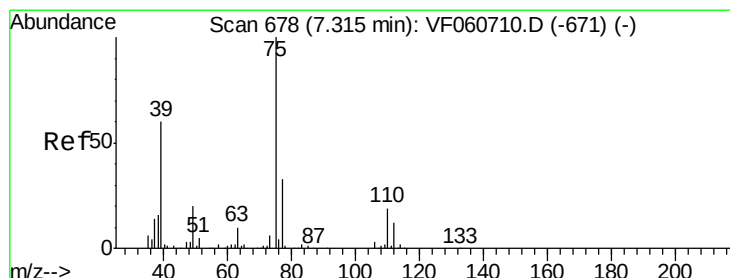
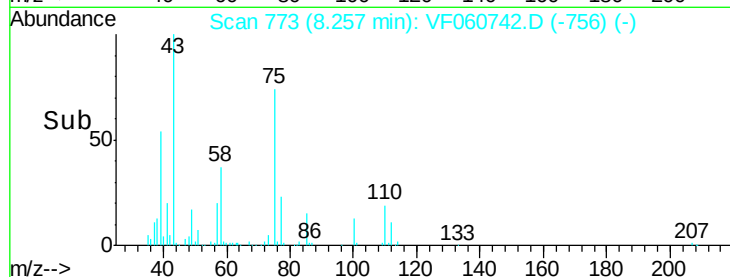
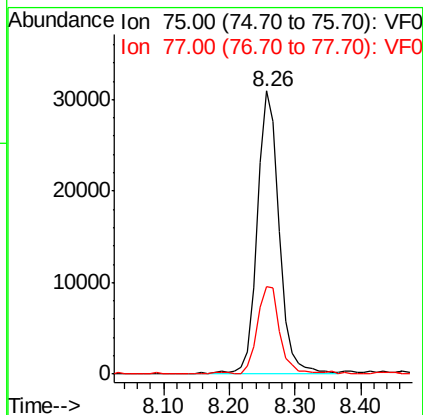
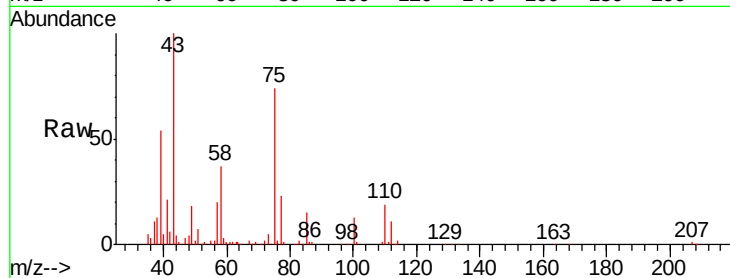
77 31.1 24.6 36.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.52 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.04 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

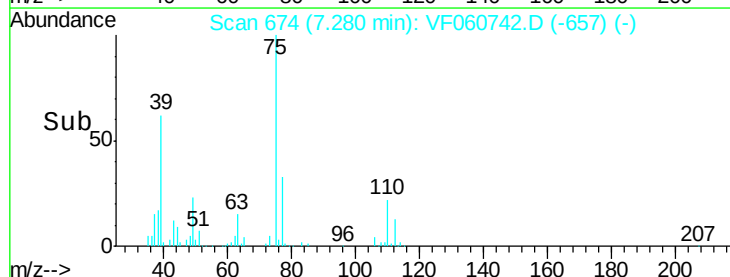
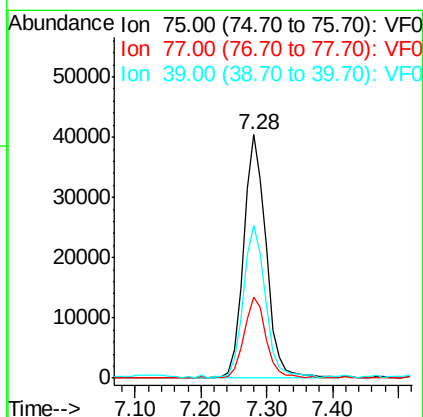
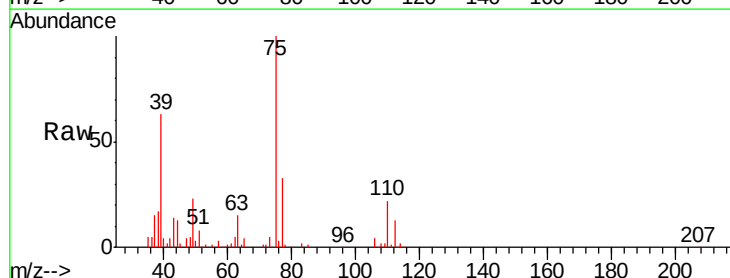
Tgt Ion: 75 Resp: 97181

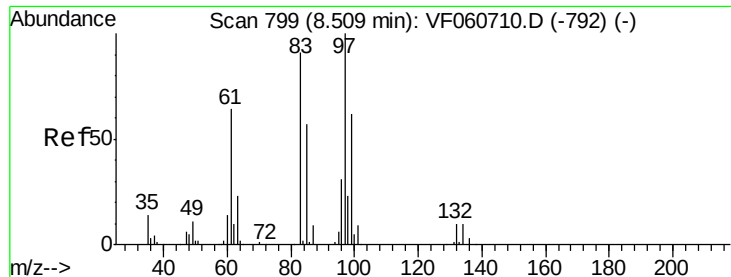
Ion Ratio Lower Upper

75 100

77 33.2 26.5 39.7

39 63.0 48.5 72.7





#55

1,1,2-Trichloroethane

Concen: 20.04 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.04 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

Instrument :

MSVOA_F

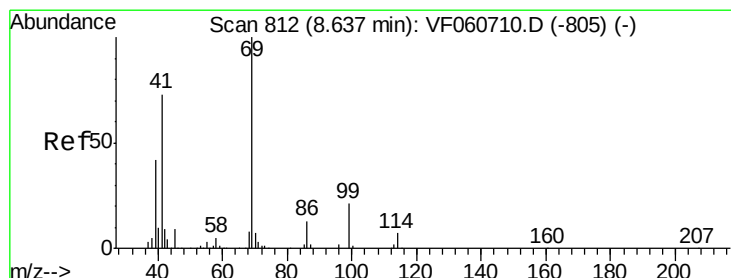
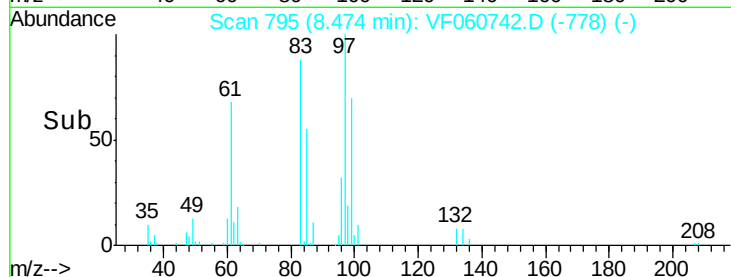
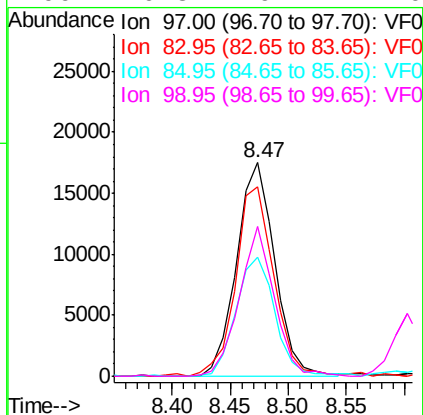
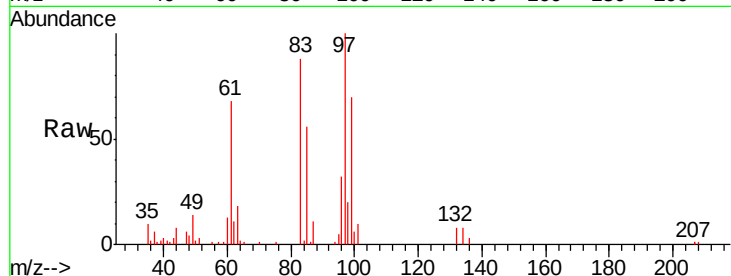
ClientSampleId :

VF1115SBS01

Tgt Ion:	97	Resp:	39815
Ion	Ratio	Lower	Upper
97	100		
83	88.5	72.8	109.2
85	55.8	45.8	68.6
99	70.3	49.4	74.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 22.66 ug/l

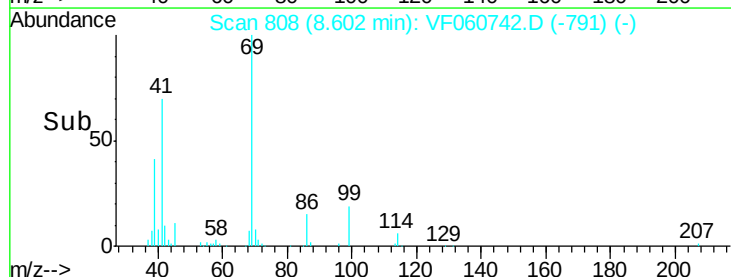
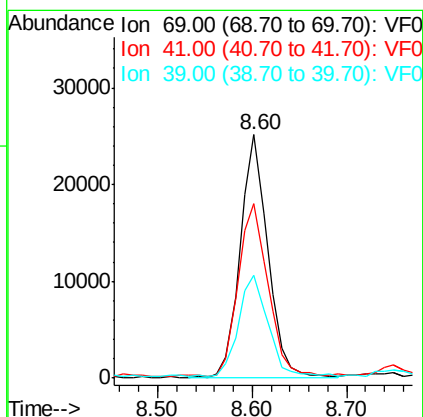
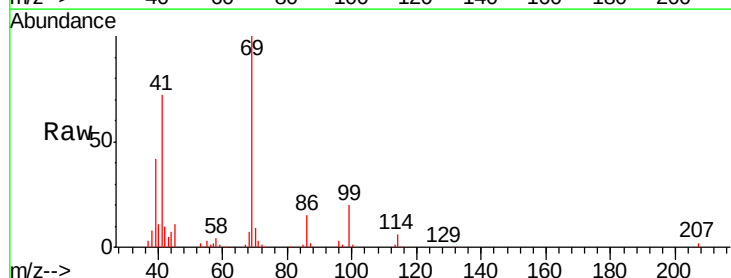
RT: 8.60 min Scan# 808

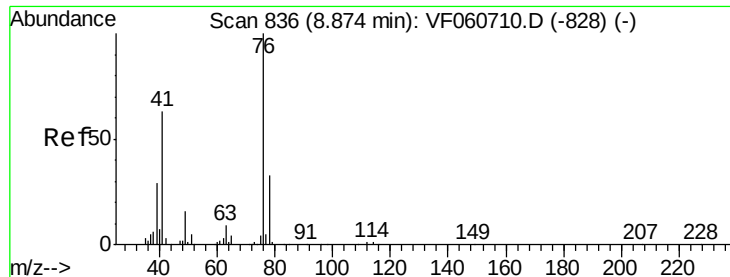
Delta R.T. -0.04 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

Tgt Ion:	69	Resp:	51128
Ion	Ratio	Lower	Upper
69	100		
41	71.7	59.0	88.6
39	42.3	34.0	51.0





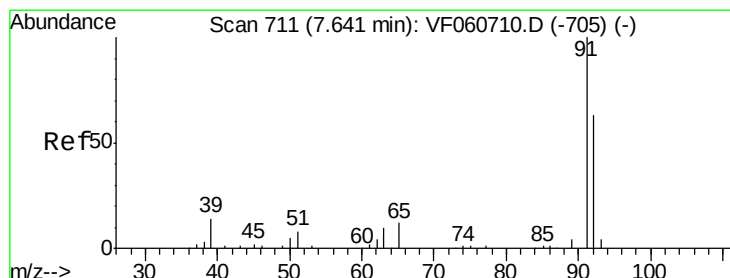
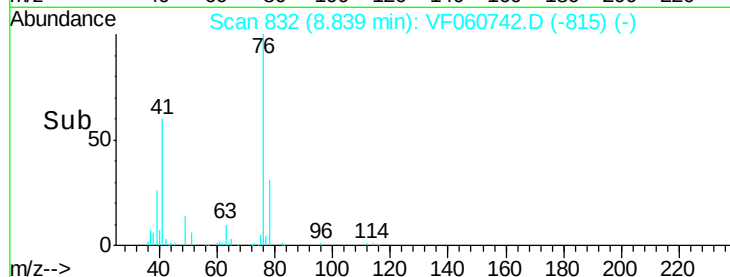
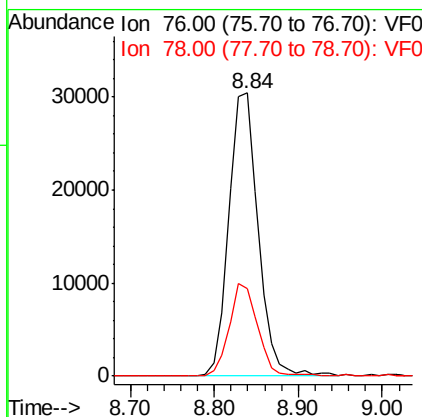
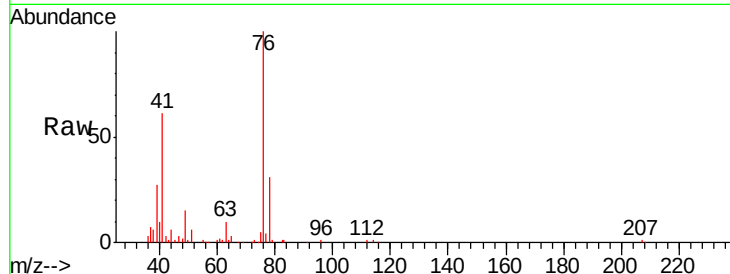
#57
 1,3-Dichloropropane
 Concen: 21.44 ug/l
 RT: 8.84 min Scan# 832
 Delta R.T. -0.04 min
 Lab File: VF060742.D
 Acq: 15 Nov 2018 12:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1115SBSD01

Tgt Ion: 76 Resp: 73806
 Ion Ratio Lower Upper
 76 100
 78 31.1 26.6 39.8

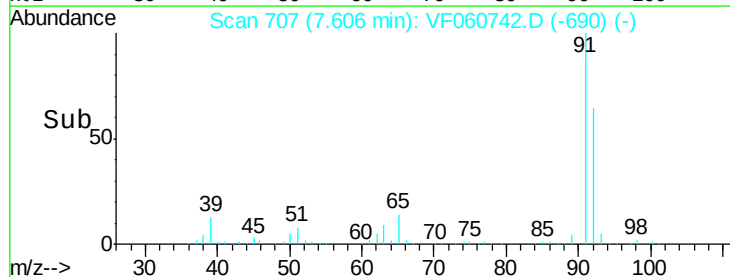
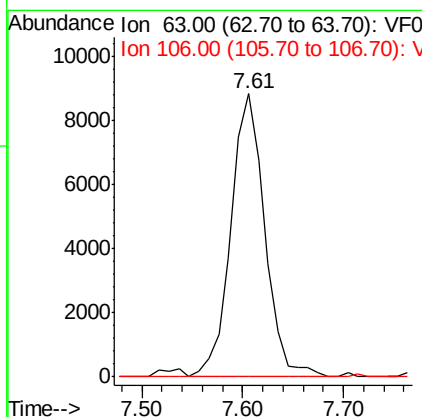
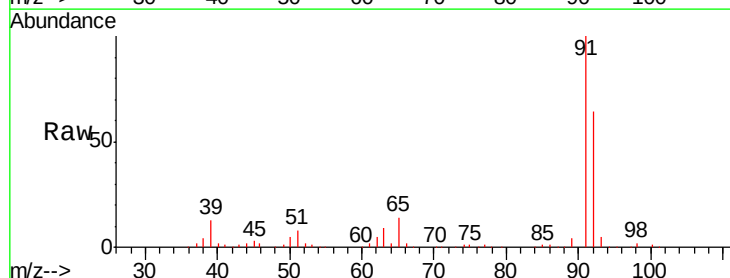
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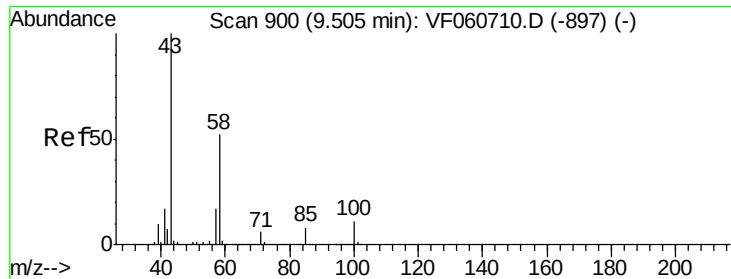
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#58
 2-Chloroethyl Vinyl ether
 Concen: 100.10 ug/l
 RT: 7.61 min Scan# 707
 Delta R.T. -0.04 min
 Lab File: VF060742.D
 Acq: 15 Nov 2018 12:32

Tgt Ion: 63 Resp: 20630
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0





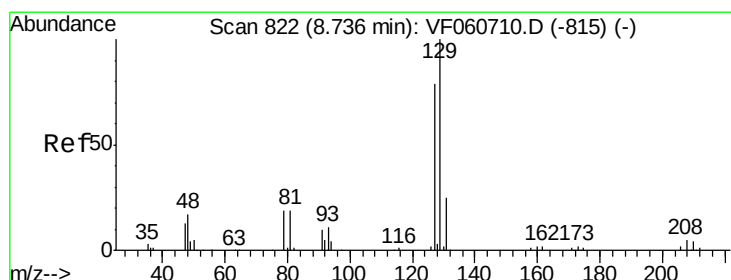
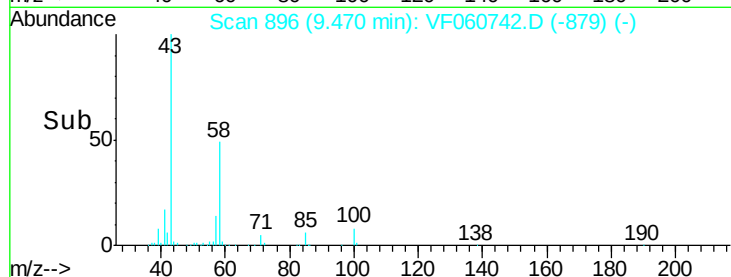
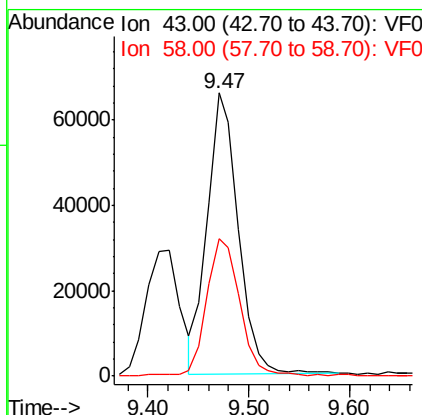
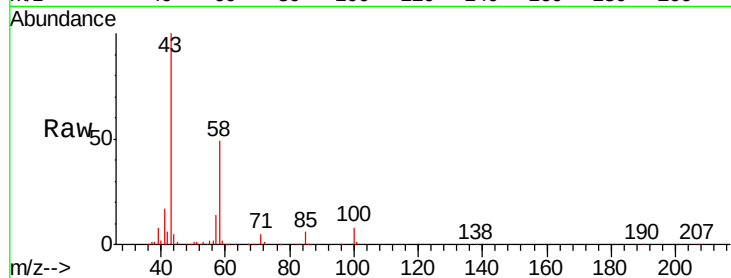
#59
2-Hexanone
Concen: 120.72 ug/l
RT: 9.47 min Scan# 896
Delta R.T. -0.04 min
Lab File: VF060742.D
Acq: 15 Nov 2018 12:32

Instrument :
MSVOA_F
ClientSampleId :
VF1115SBS01

Tgt Ion: 43 Resp: 140779
Ion Ratio Lower Upper
43 100
58 48.8 24.9 74.7

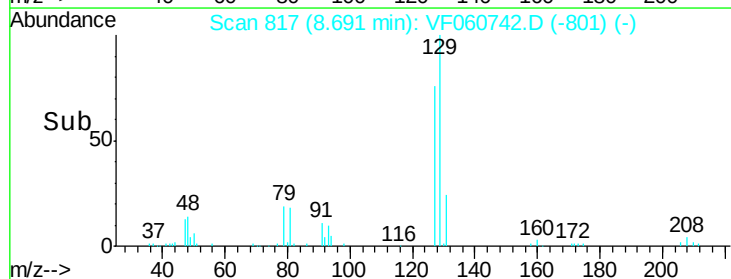
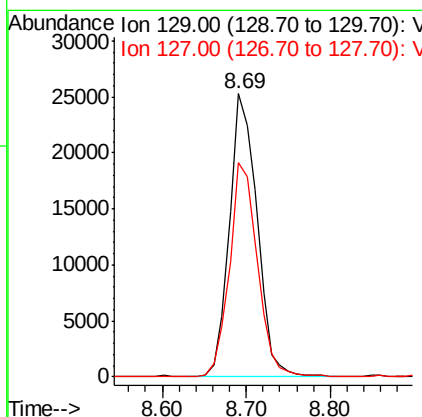
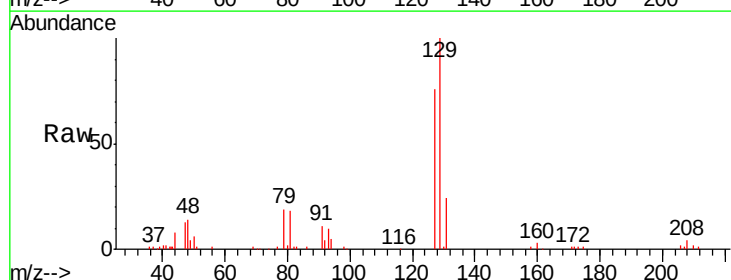
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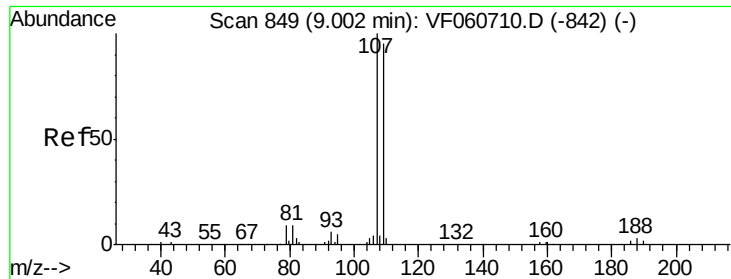
MMDadoda
11/16/2018 1:25:45 PM



#60
Dibromochloromethane
Concen: 20.42 ug/l
RT: 8.69 min Scan# 817
Delta R.T. -0.05 min
Lab File: VF060742.D
Acq: 15 Nov 2018 12:32

Tgt Ion: 129 Resp: 57807
Ion Ratio Lower Upper
129 100
127 75.5 39.7 119.1





#61

1,2-Dibromoethane

Concen: 21.20 ug/l

RT: 8.97 min Scan# 845

Delta R.T. -0.04 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

Instrument :

MSVOA_F

ClientSampleId :

VF1115SBS01

Tgt Ion: 107 Resp: 44296

Ion Ratio Lower Upper

107 100

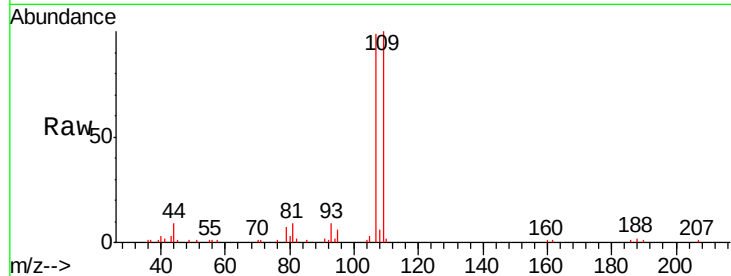
109 101.0 75.9 113.9

Manual Integrations

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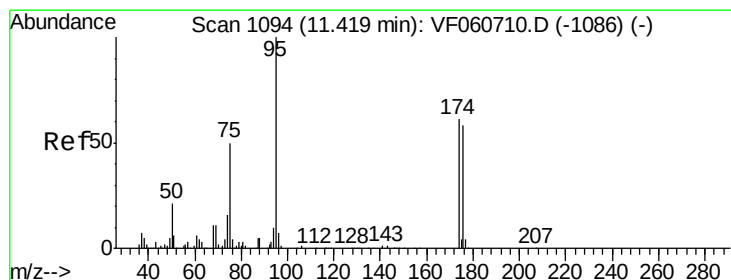
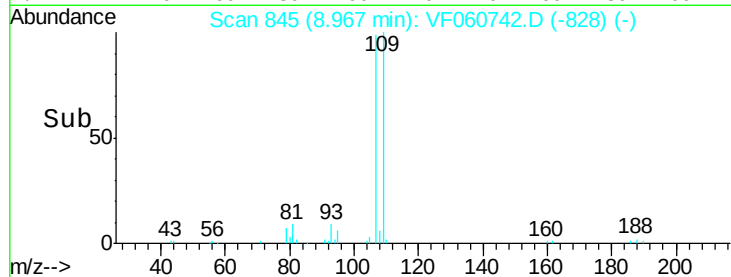
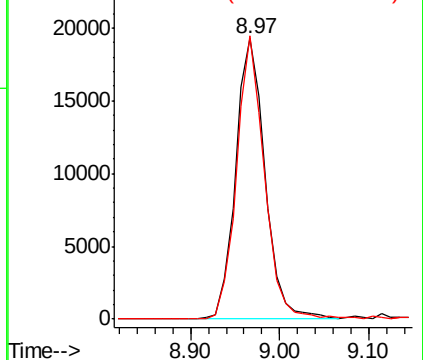
MMDadoda

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 49.25 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

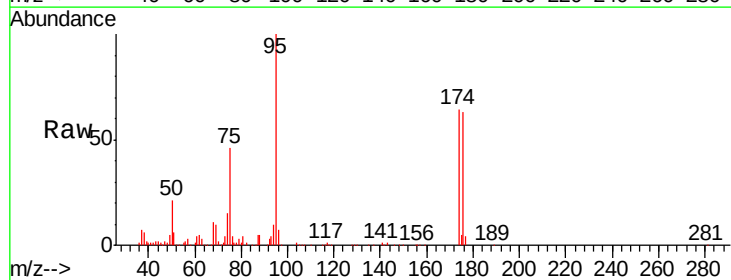
Tgt Ion: 95 Resp: 176037

Ion Ratio Lower Upper

95 100

174 63.8 0.0 121.6

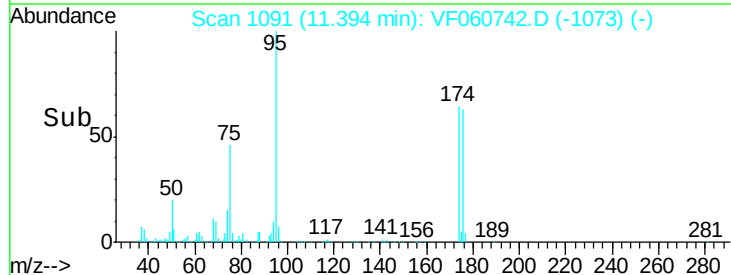
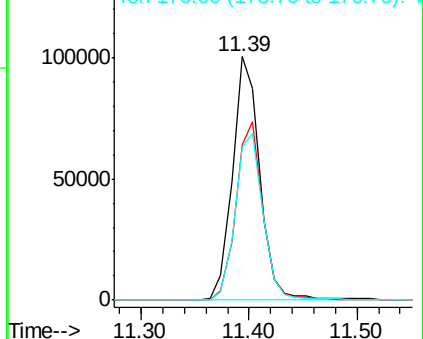
176 63.0 0.0 115.2

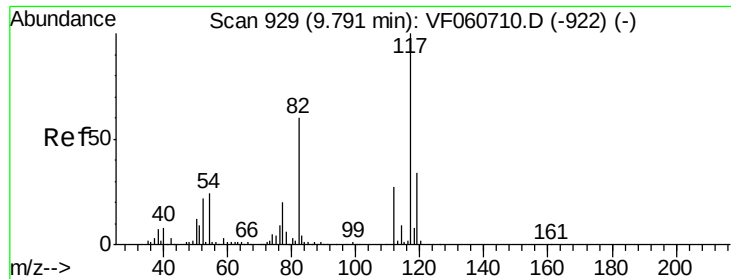


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





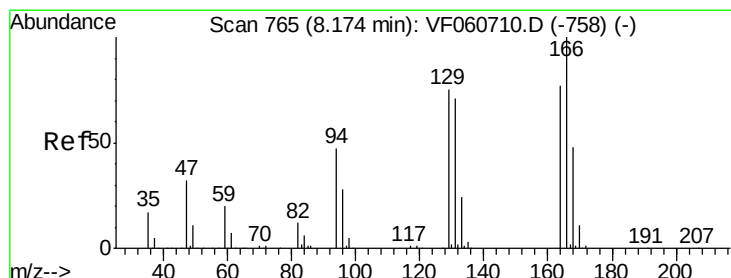
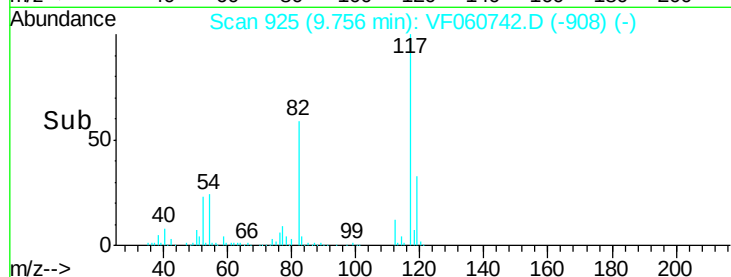
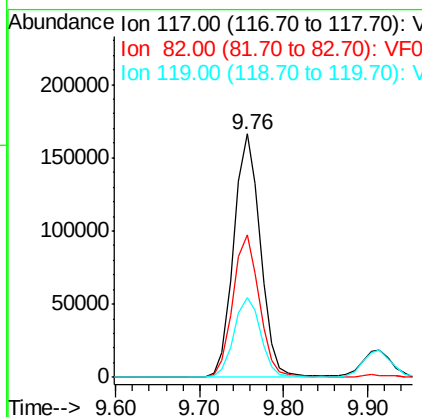
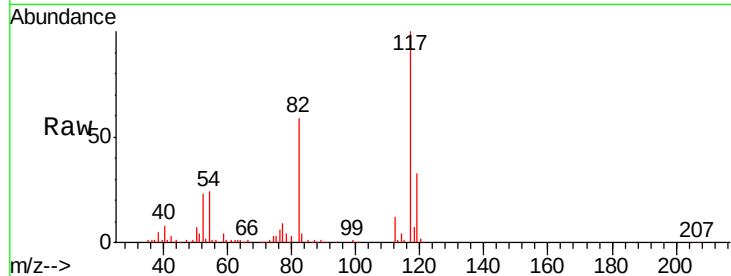
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.76 min Scan# 925
Delta R.T. -0.04 min
Lab File: VF060742.D
Acq: 15 Nov 2018 12:32

Instrument :
MSVOA_F
ClientSampleId :
VF1115SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	369596		
82	58.6	47.9	71.9	
119	33.0	26.8	40.2	

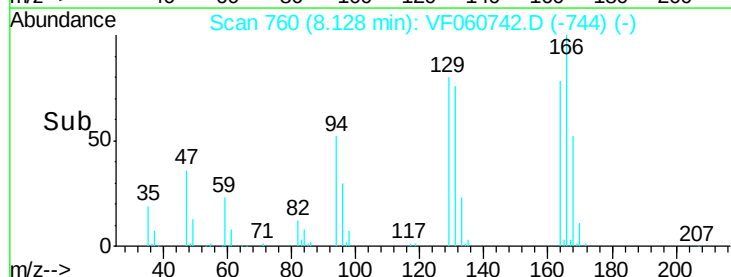
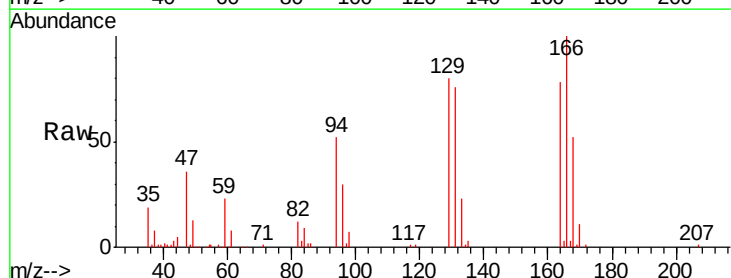
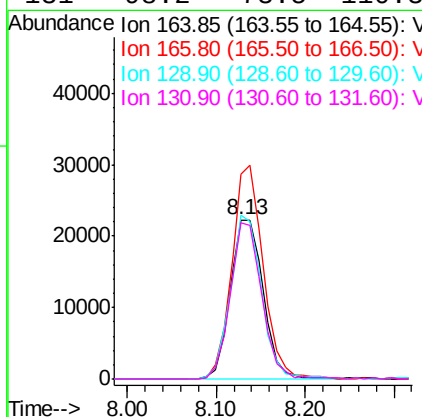
Manual Integrations
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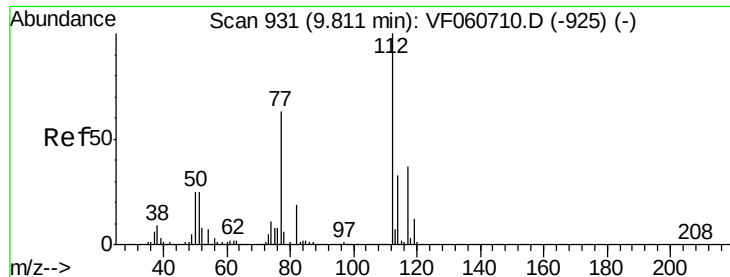
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#64
Tetrachloroethene
Concen: 19.63 ug/l
RT: 8.13 min Scan# 760
Delta R.T. -0.05 min
Lab File: VF060742.D
Acq: 15 Nov 2018 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	57451		
166	128.8	103.5	155.3	
129	102.7	77.4	116.2	
131	98.2	73.5	110.3	





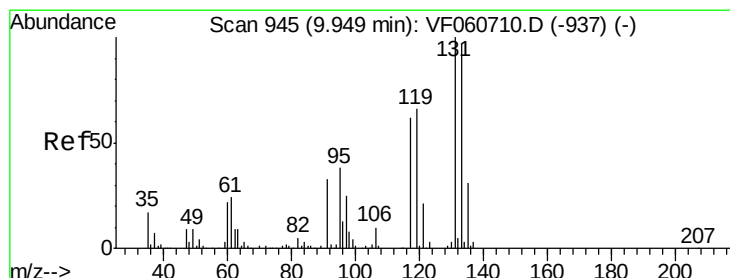
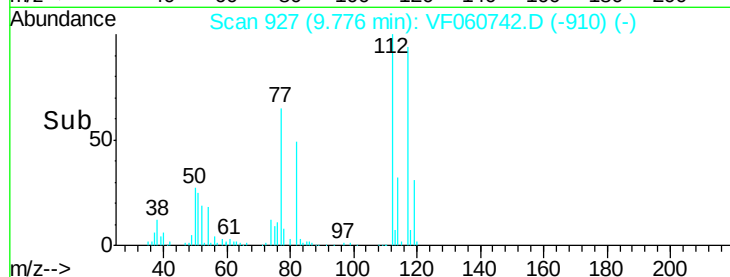
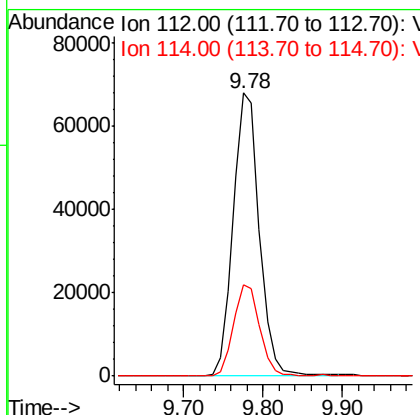
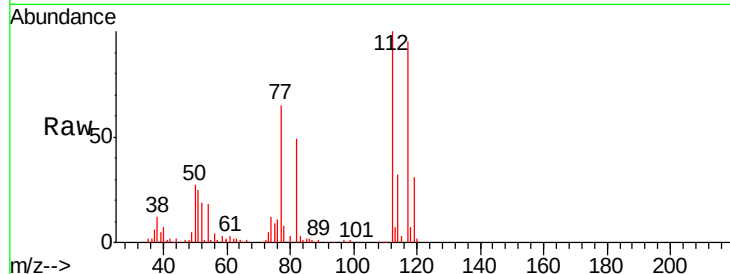
#65
Chlorobenzene
Concen: 21.05 ug/l
RT: 9.78 min Scan# 927
Delta R.T. -0.04 min
Lab File: VF060742.D
Acq: 15 Nov 2018 12:32

Instrument :
MSVOA_F
ClientSampleId :
VF1115SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	156980		
114	32.3	26.1	39.1	

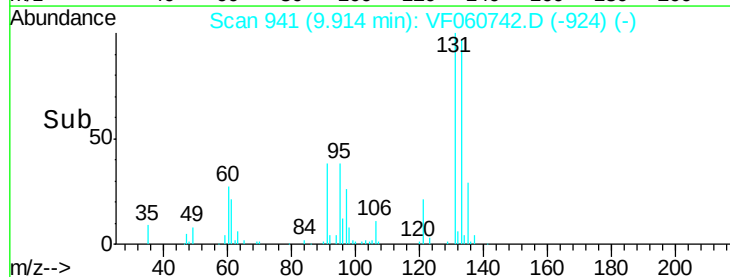
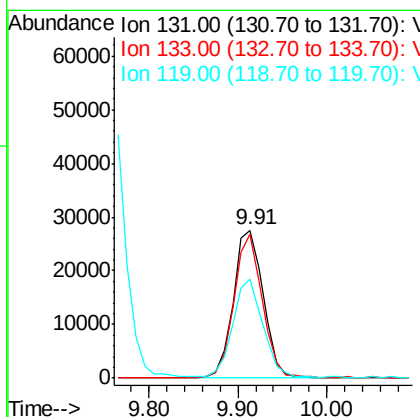
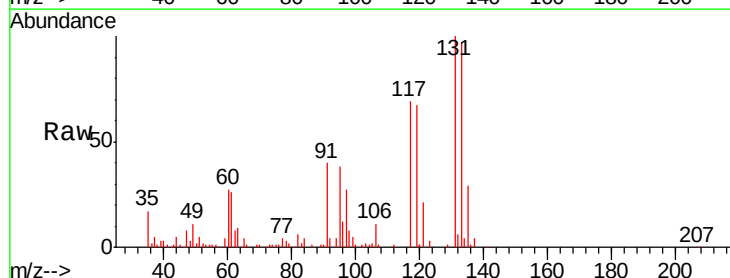
Manual Integrations
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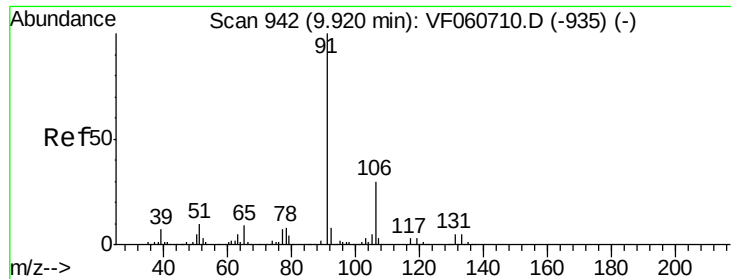
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.91 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.04 min
Lab File: VF060742.D
Acq: 15 Nov 2018 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	64760		
133	96.9	48.3	144.8	
119	66.8	33.2	99.6	





#67

Ethyl Benzene

Concen: 20.45 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.04 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

Instrument :

MSVOA_F

ClientSampleId :

VF1115SBS01

Tgt Ion: 91 Resp: 287526

Ion Ratio Lower Upper

91 100

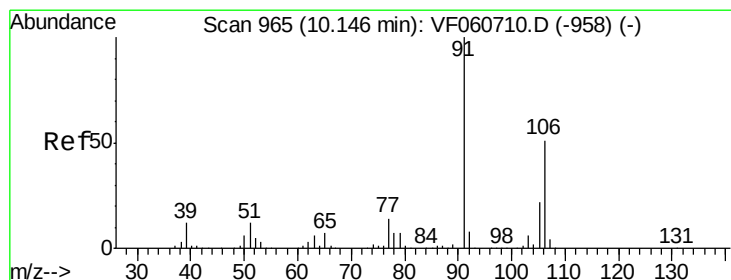
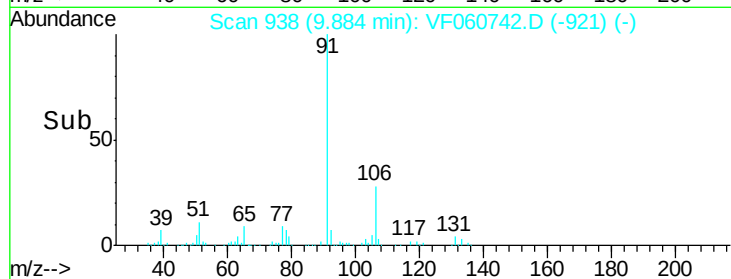
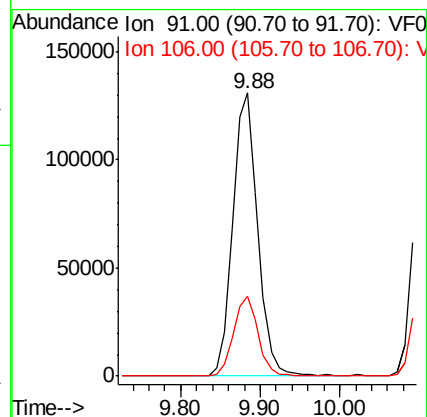
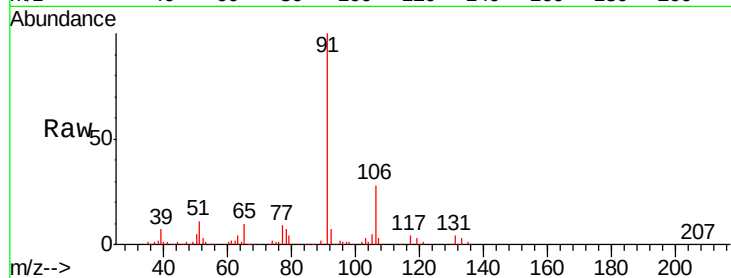
106 28.1 23.9 35.9

Manual Integrations

APPROVED

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#68

m/p-Xylenes

Concen: 44.19 ug/l

RT: 10.11 min Scan# 961

Delta R.T. -0.04 min

Lab File: VF060742.D

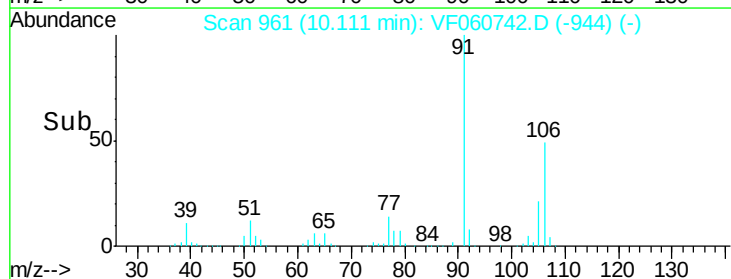
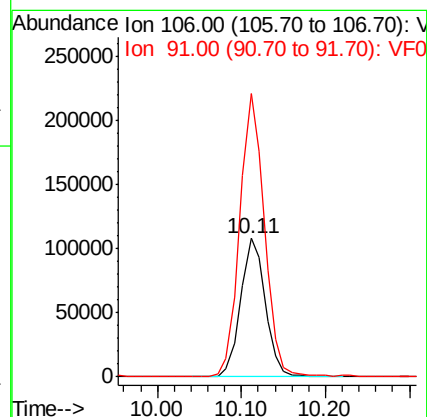
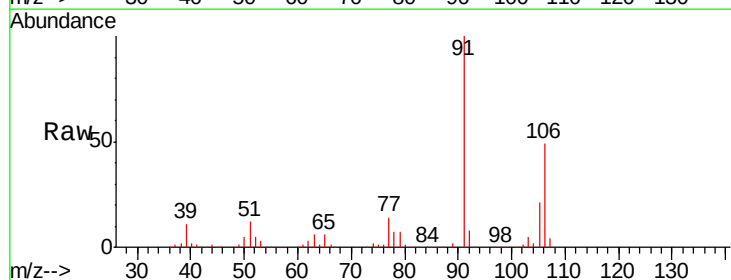
Acq: 15 Nov 2018 12:32

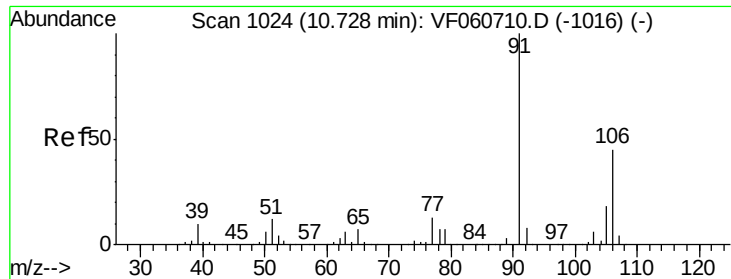
Tgt Ion: 106 Resp: 221991

Ion Ratio Lower Upper

106 100

91 204.3 158.2 237.2





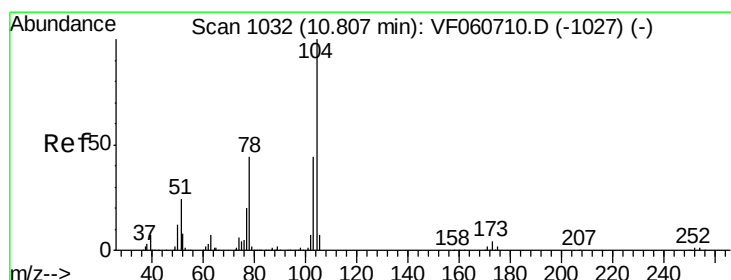
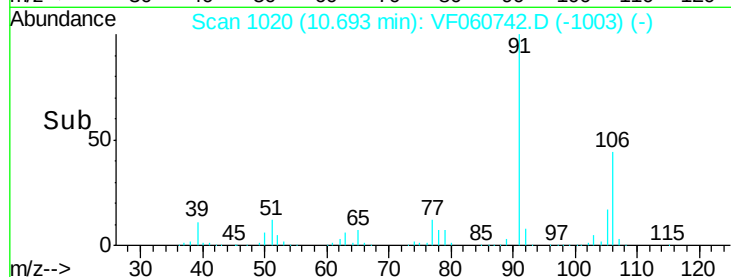
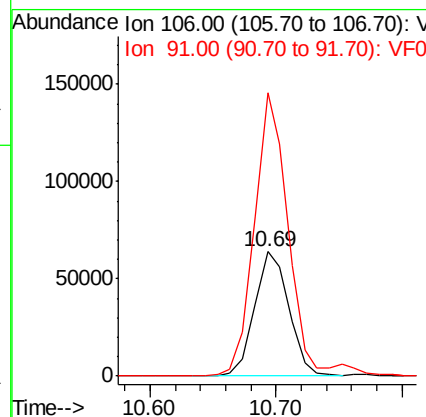
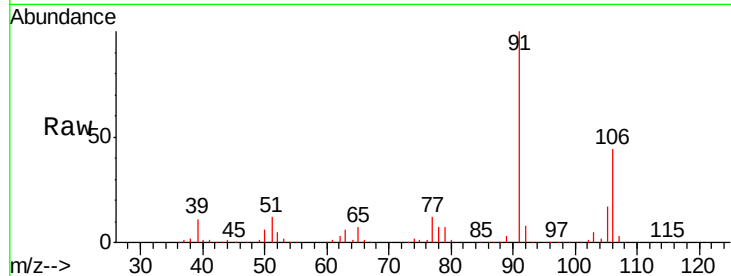
#69
o-Xylene
Concen: 21.54 ug/l
RT: 10.69 min Scan# 1020
Delta R.T. -0.04 min
Lab File: VF060742.D
Acq: 15 Nov 2018 12:32

Instrument :
MSVOA_F
ClientSampleId :
VF1115SBS01

Tgt Ion:106 Resp: 121694
Ion Ratio Lower Upper
106 100
91 227.1 110.3 330.9

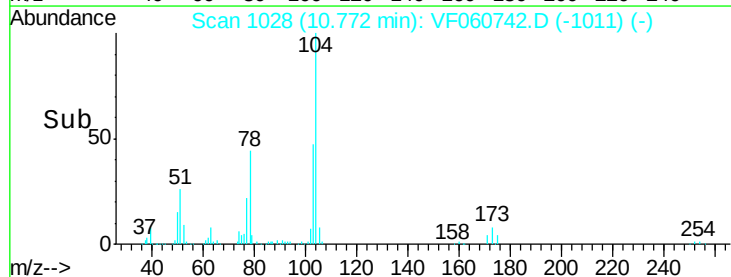
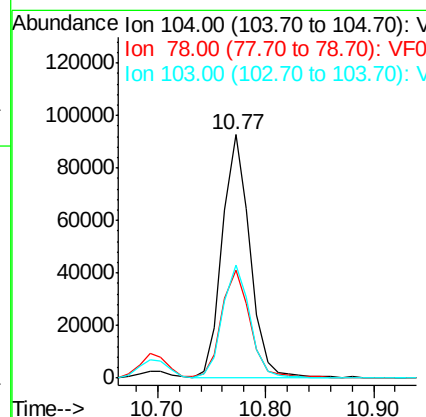
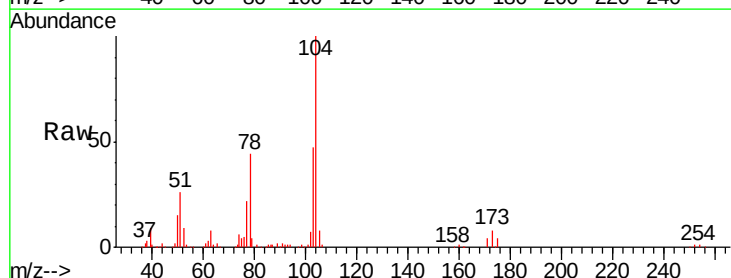
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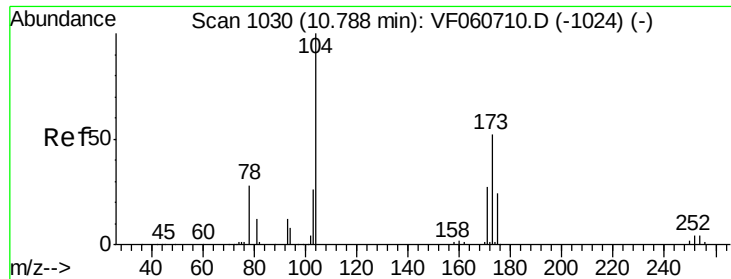
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#70
Styrene
Concen: 21.43 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.04 min
Lab File: VF060742.D
Acq: 15 Nov 2018 12:32

Tgt Ion:104 Resp: 164266
Ion Ratio Lower Upper
104 100
78 44.4 35.4 53.2
103 46.5 35.8 53.6





#71

Bromoform

Concen: 21.34 ug/l

RT: 10.75 min Scan# 1026

Delta R.T. -0.04 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

Instrument :

MSVOA_F

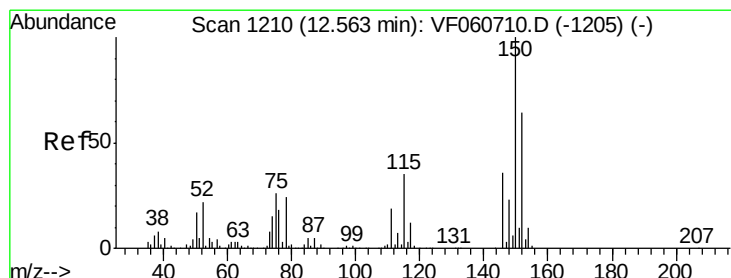
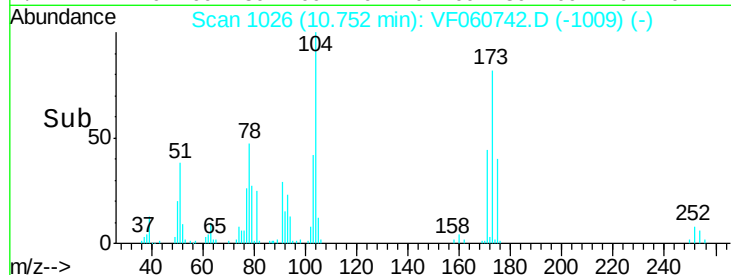
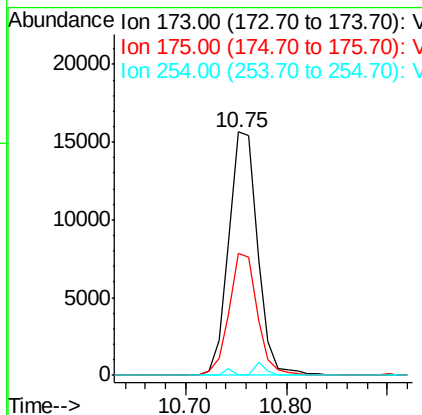
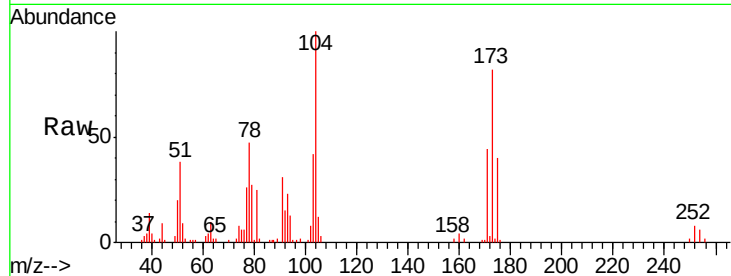
ClientSampleId :

VF1115SBS01

Tgt Ion:173 Resp: 31221
 Ion Ratio Lower Upper
 173 100
 175 50.3 23.4 70.0
 254 0.0 5.8 8.8#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

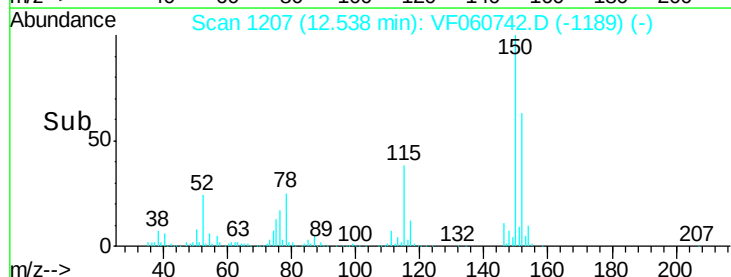
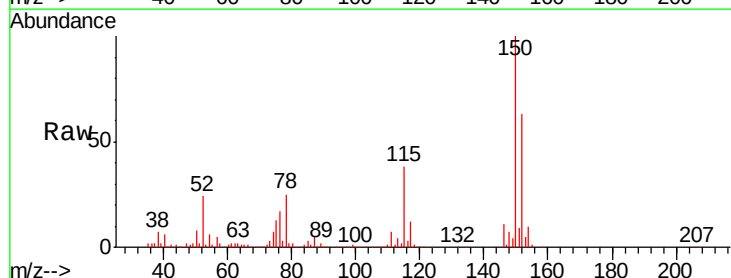
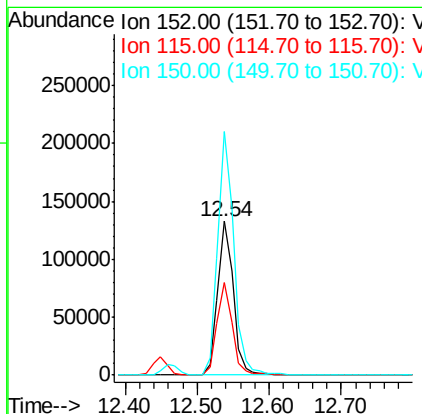
RT: 12.54 min Scan# 1207

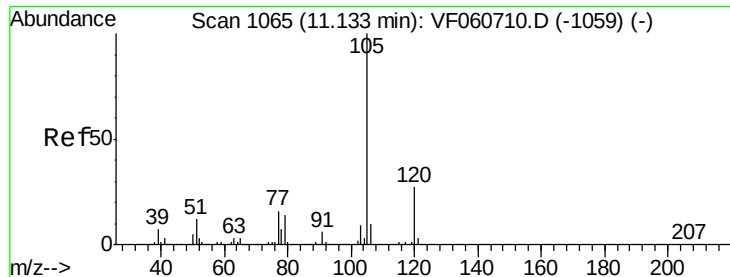
Delta R.T. -0.03 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

Tgt Ion:152 Resp: 196972
 Ion Ratio Lower Upper
 152 100
 115 60.7 27.9 83.7
 150 158.7 0.0 316.4





#73

Isopropylbenzene

Concen: 22.22 ug/l

RT: 11.11 min Scan# 1062

Delta R.T. -0.03 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

Instrument :

MSVOA_F

ClientSampleId :

VF1115SBS01

Tgt Ion: 105 Resp: 352322

Ion Ratio Lower Upper

105 100

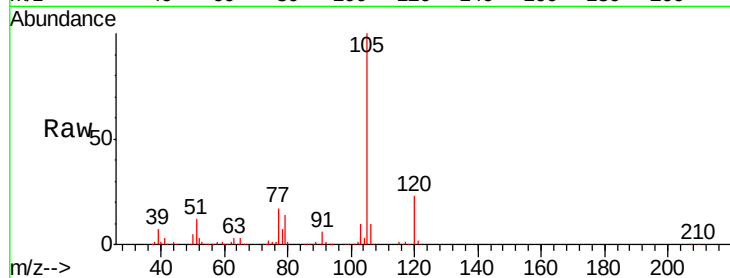
120 23.4 13.4 40.1

Manual Integrations

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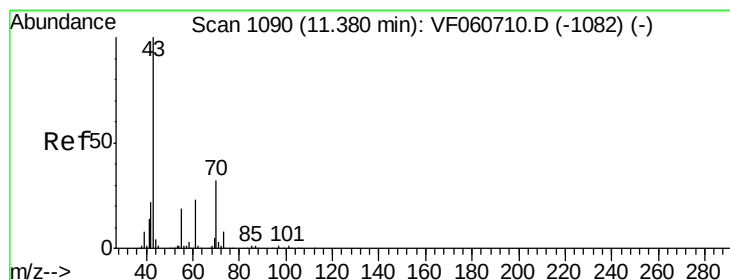
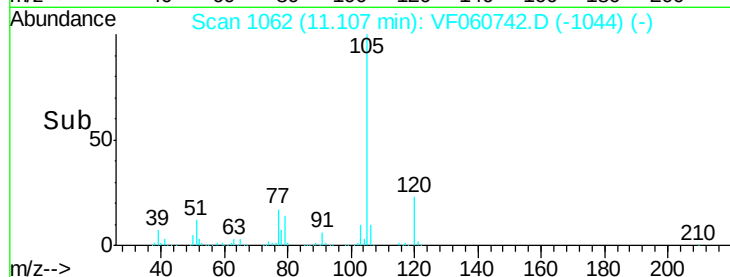
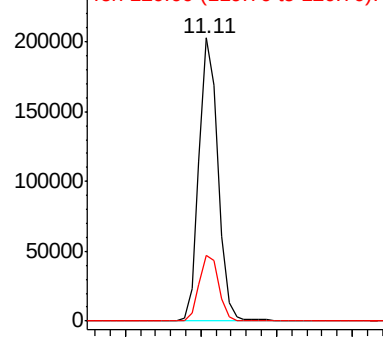
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 25.08 ug/l

RT: 11.35 min Scan# 1087

Delta R.T. -0.03 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

Tgt Ion: 43 Resp: 90509

Ion Ratio Lower Upper

43 100

70 36.0 25.5 38.3

55 20.7 14.9 22.3

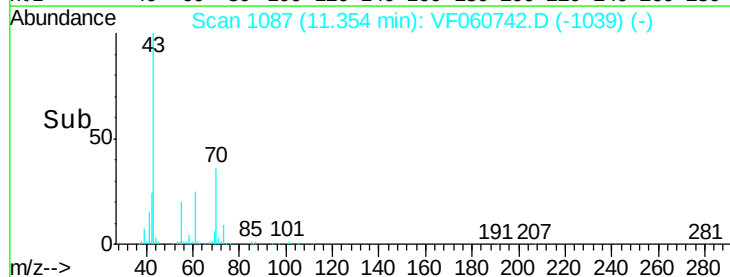
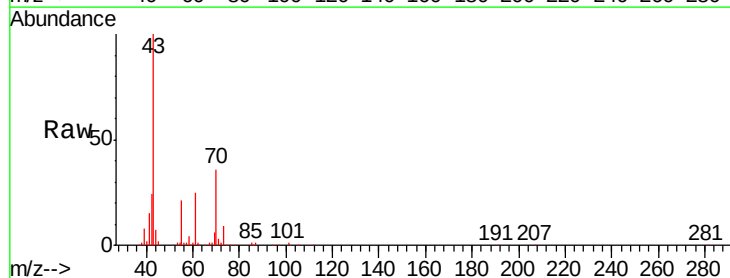
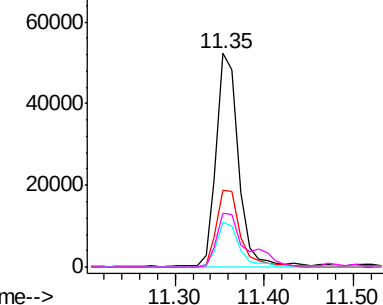
61 25.1 18.6 27.8

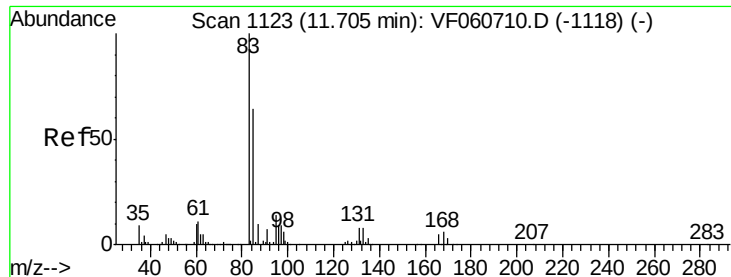
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 21.49 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. -0.03 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

Instrument :

MSVOA_F

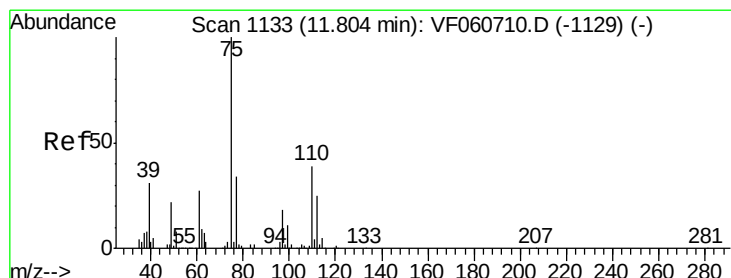
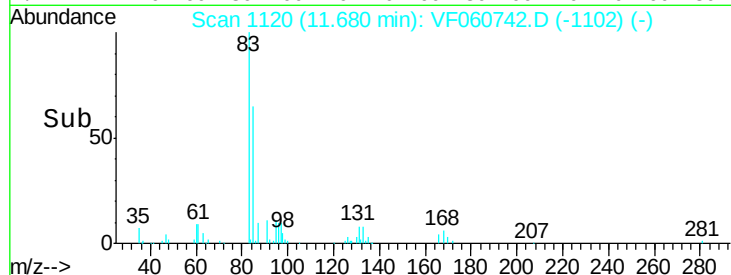
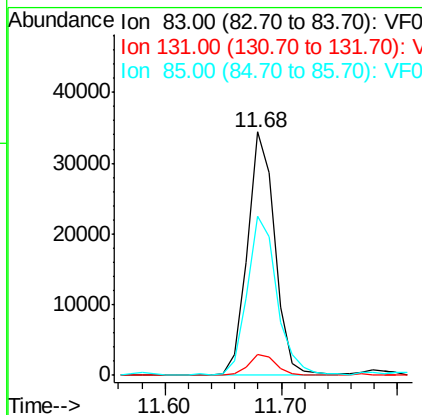
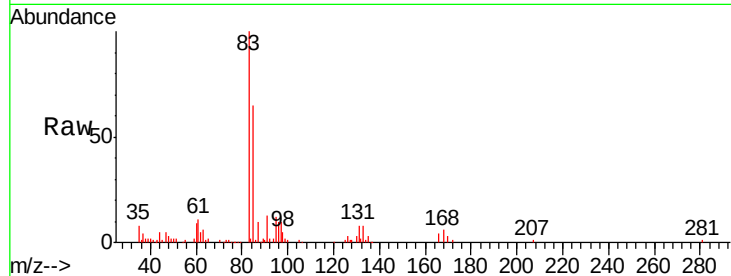
ClientSampleId :

VF1115SBS01

Tgt Ion:	83	Resp:	56327
Ion Ratio	Lower	Upper	
83	100		
131	8.4	4.2	12.4
85	65.4	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 21.98 ug/l

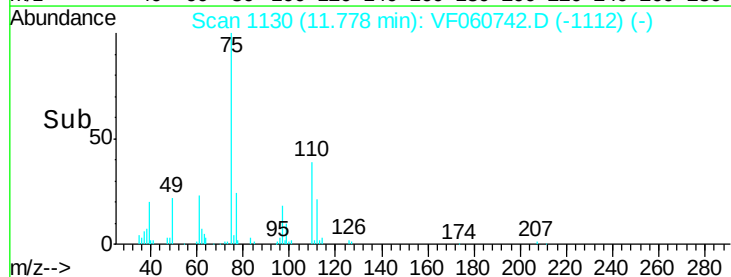
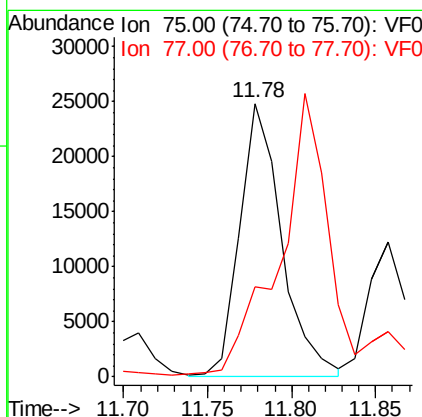
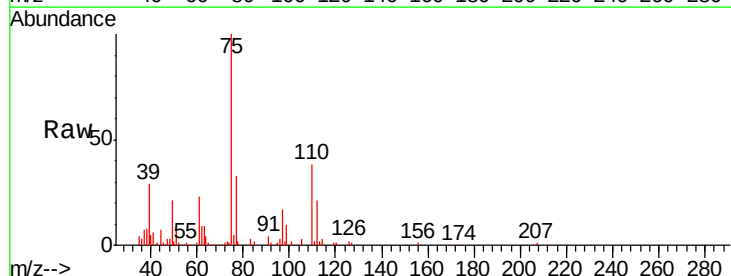
RT: 11.78 min Scan# 1130

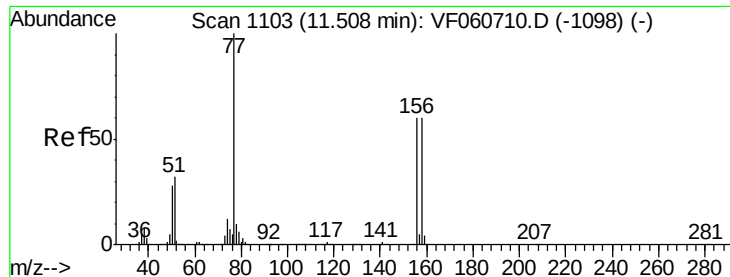
Delta R.T. -0.03 min

Lab File: VF060742.D

Acq: 15 Nov 2018 12:32

Tgt Ion:	75	Resp:	42789
Ion Ratio	Lower	Upper	
75	100		
77	32.9	17.0	51.0





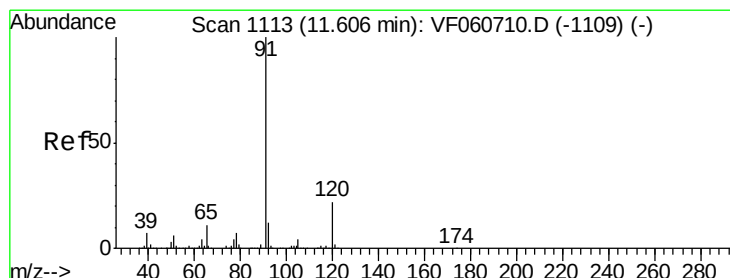
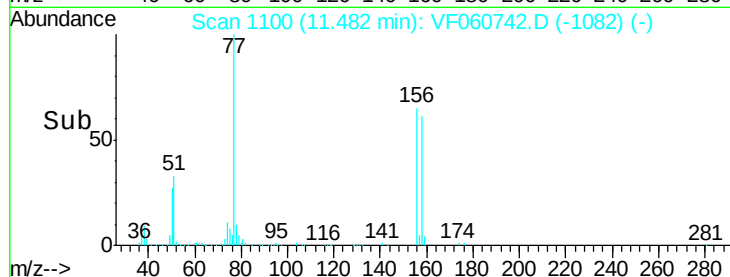
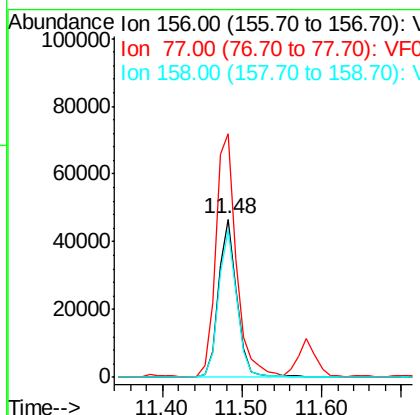
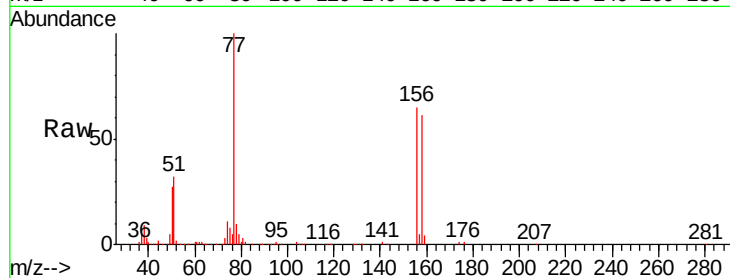
#77
Bromobenzene
Concen: 22.97 ug/l
RT: 11.48 min Scan# 1100
Delta R.T. -0.03 min
Lab File: VF060742.D
Acq: 15 Nov 2018 12:32

Instrument :
MSVOA_F
ClientSampleId :
VF1115SBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	154.0	83.0	248.9
158	93.3	49.6	149.0

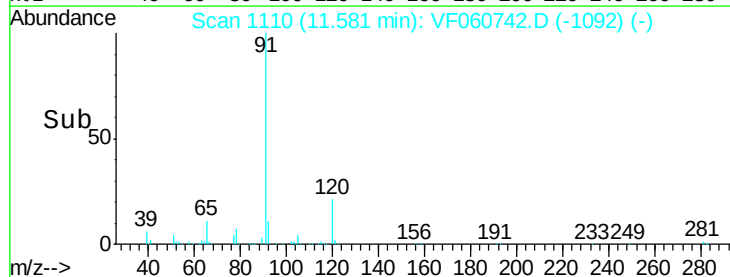
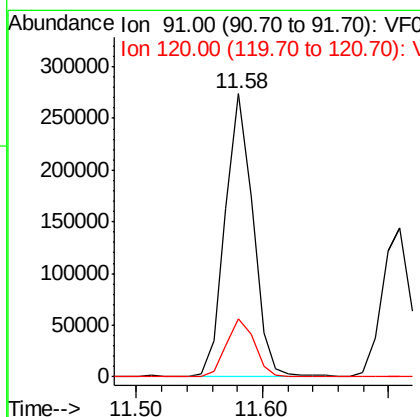
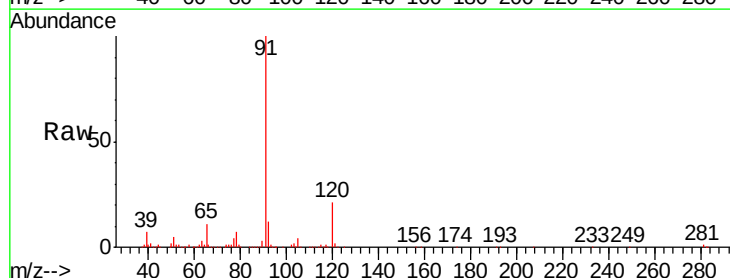
Manual Integrations
APPROVED

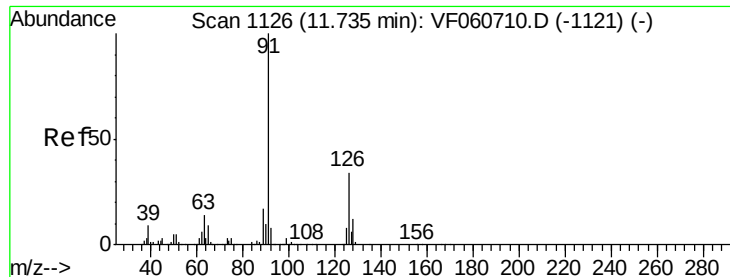
MMDadoda
11/16/2018 1:25:45 PM



#78
n-propylbenzene
Concen: 22.64 ug/l
RT: 11.58 min Scan# 1110
Delta R.T. -0.03 min
Lab File: VF060742.D
Acq: 15 Nov 2018 12:32

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.8	11.2	33.5





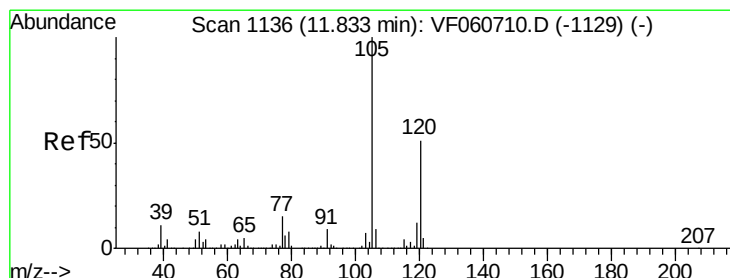
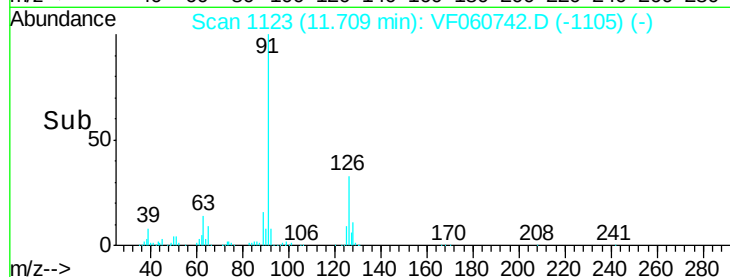
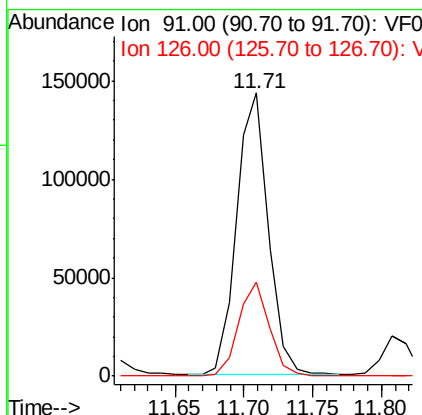
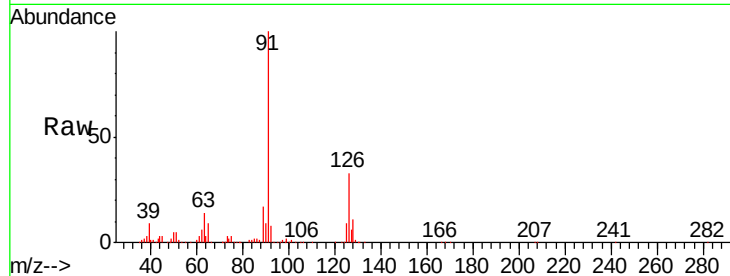
#79
 2-Chlorotoluene
 Concen: 21.22 ug/l
 RT: 11.71 min Scan# 1123
 Delta R.T. -0.03 min
 Lab File: VF060742.D
 Acq: 15 Nov 2018 12:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1115SBS01

Tgt Ion: 91 Resp: 228096
 Ion Ratio Lower Upper
 91 100
 126 33.2 16.8 50.4

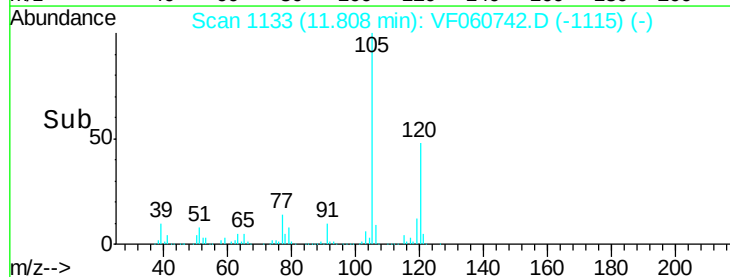
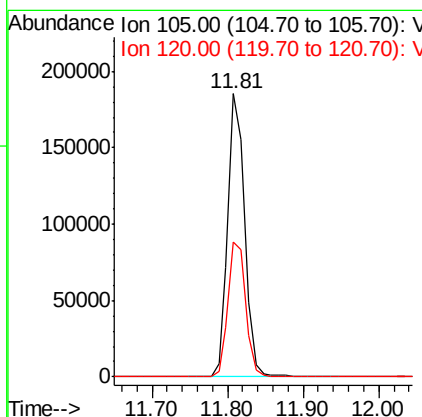
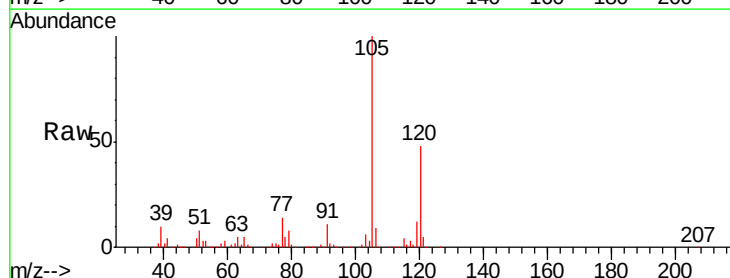
Manual Integrations
 APPROVED

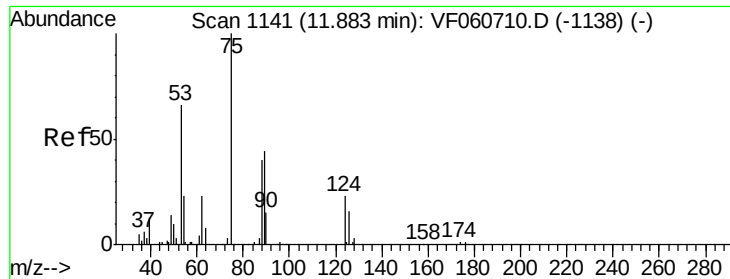
MMDadoda
 11/16/2018 1:25:45 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 22.87 ug/l
 RT: 11.81 min Scan# 1133
 Delta R.T. -0.03 min
 Lab File: VF060742.D
 Acq: 15 Nov 2018 12:32

Tgt Ion: 105 Resp: 287859
 Ion Ratio Lower Upper
 105 100
 120 47.7 25.6 76.8





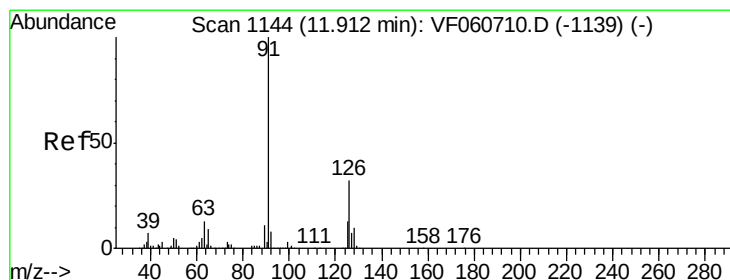
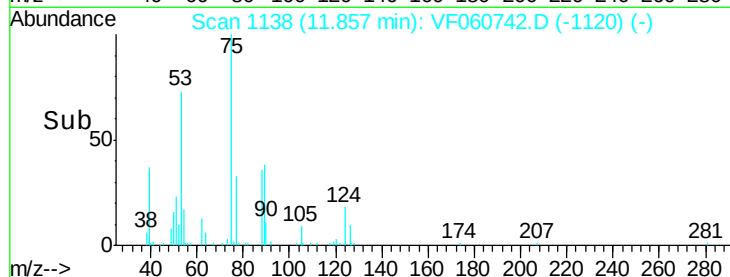
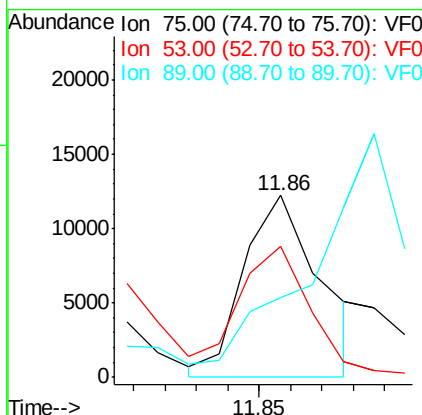
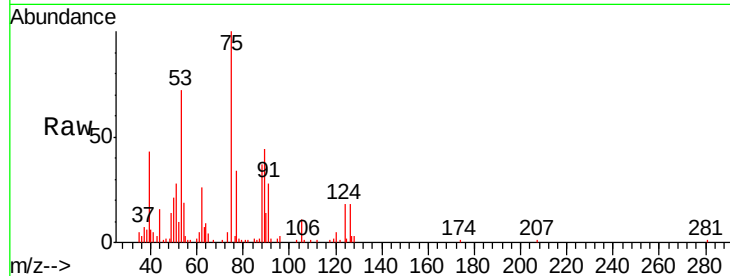
#81
trans-1,4-Dichloro-2-butene
Concen: 21.59 ug/l m
RT: 11.86 min Scan# 1138
Delta R.T. -0.03 min
Lab File: VF060742.D
Acq: 15 Nov 2018 12:32

Instrument :
MSVOA_F
ClientSampleId :
VF1115SBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	72.3	57.0	85.4
89	43.7	37.8	56.8

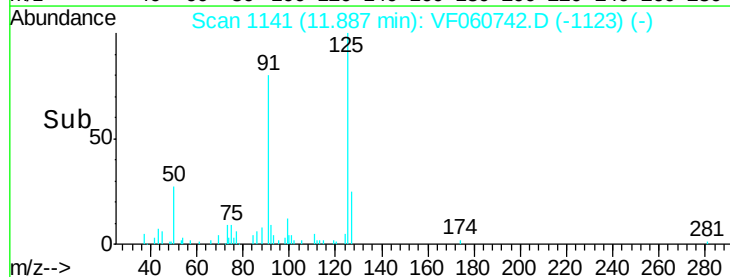
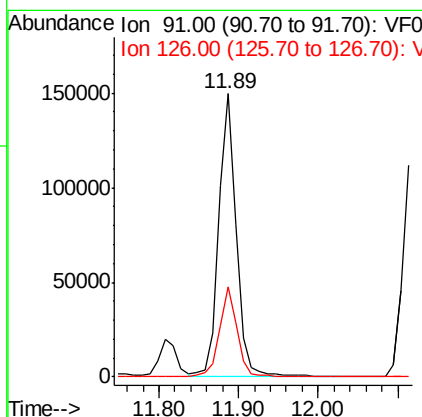
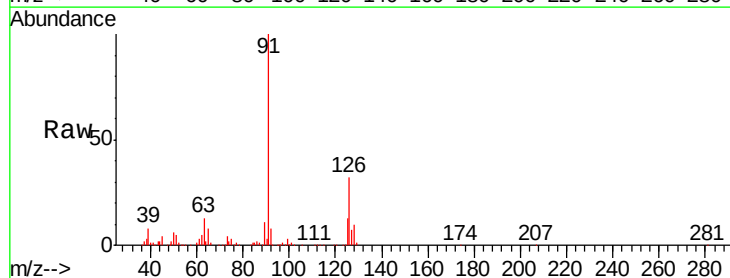
Manual Integrations
APPROVED

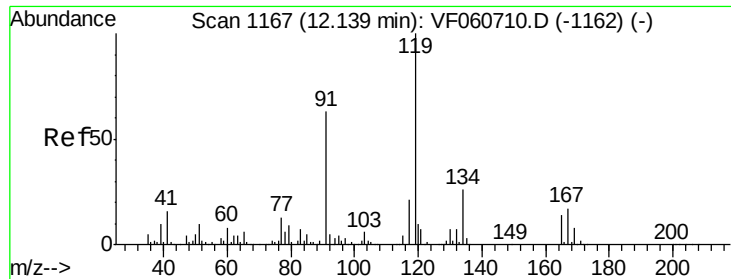
MMDadoda
11/16/2018 1:25:45 PM



#82
4-Chlorotoluene
Concen: 21.07 ug/l
RT: 11.89 min Scan# 1141
Delta R.T. -0.03 min
Lab File: VF060742.D
Acq: 15 Nov 2018 12:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	16.0	47.9





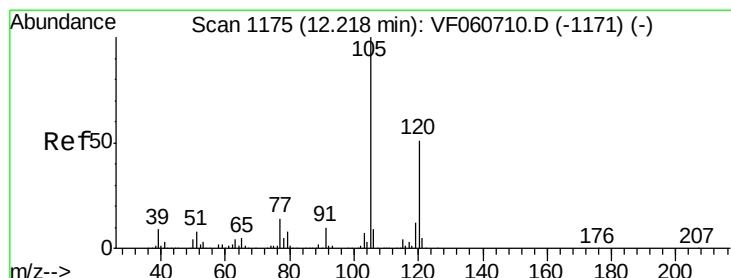
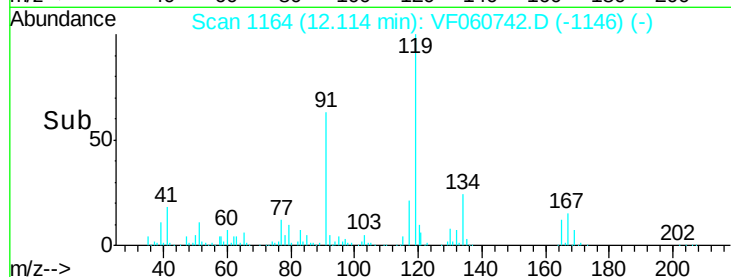
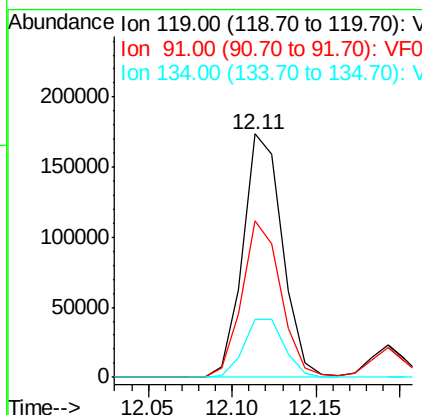
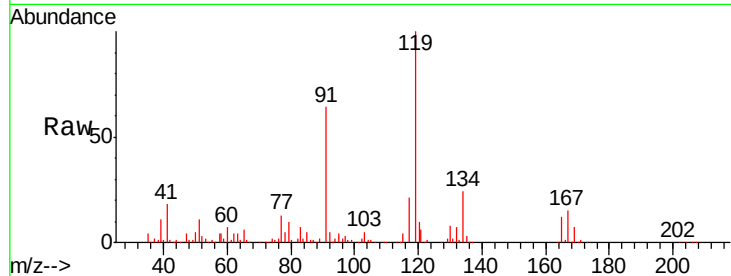
#83
 tert-Butylbenzene
 Concen: 21.25 ug/l
 RT: 12.11 min Scan# 1164
 Delta R.T. -0.03 min
 Lab File: VF060742.D
 Acq: 15 Nov 2018 12:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1115SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	284050		
91	64.4	31.4	94.3	
134	23.8	12.8	38.4	

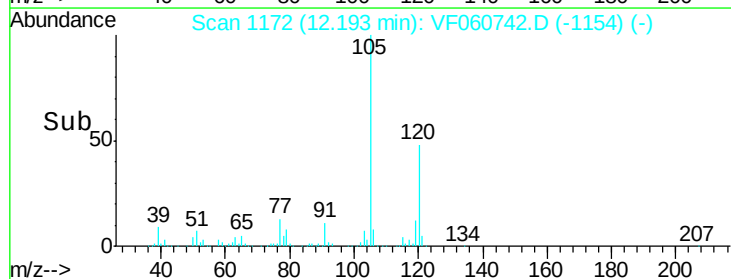
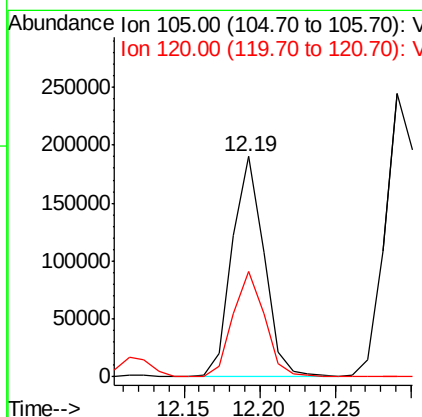
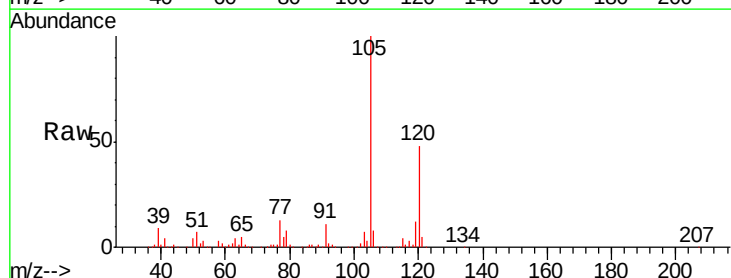
Manual Integrations
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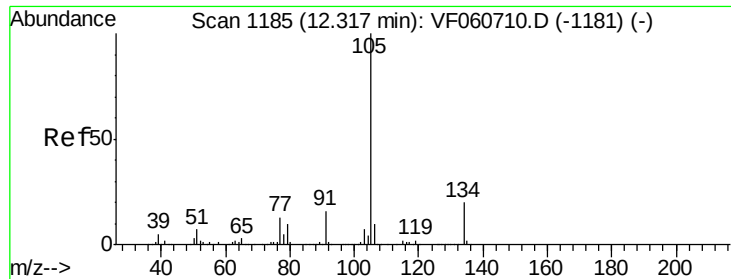
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 11/16/2018 1:25:45 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.47 ug/l
 RT: 12.19 min Scan# 1172
 Delta R.T. -0.03 min
 Lab File: VF060742.D
 Acq: 15 Nov 2018 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	279493		
120	48.1	25.5	76.5	





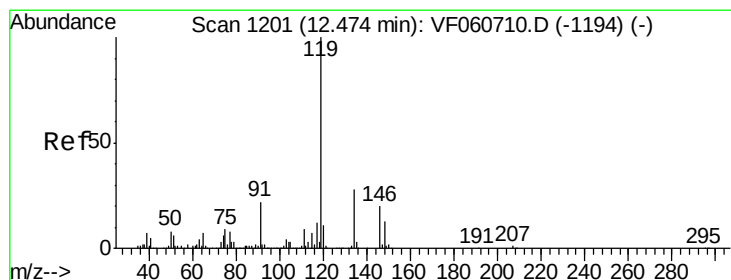
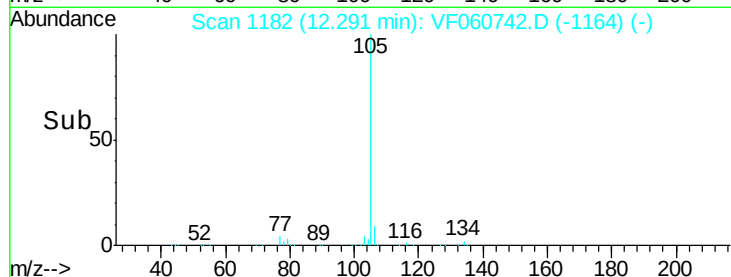
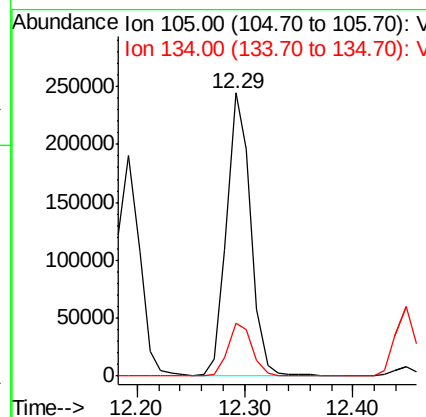
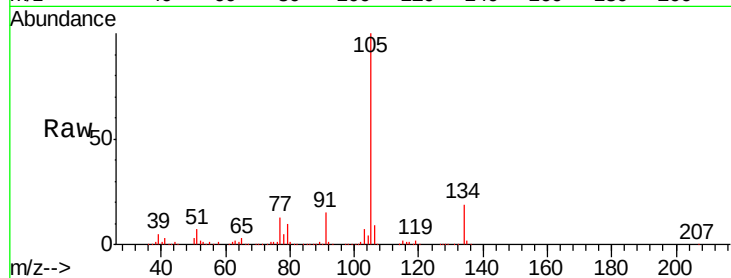
#85
 sec-Butylbenzene
 Concen: 20.86 ug/l
 RT: 12.29 min Scan# 1182
 Delta R.T. -0.03 min
 Lab File: VF060742.D
 Acq: 15 Nov 2018 12:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1115SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	378193		
134	18.5	10.1	30.3	

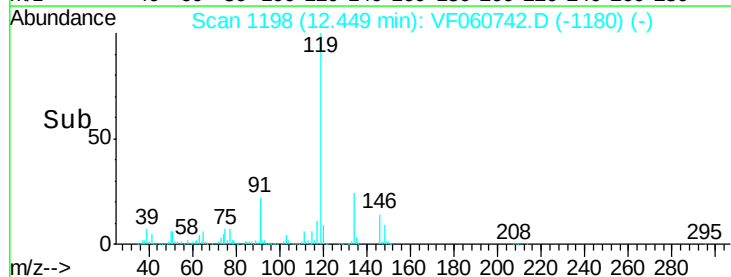
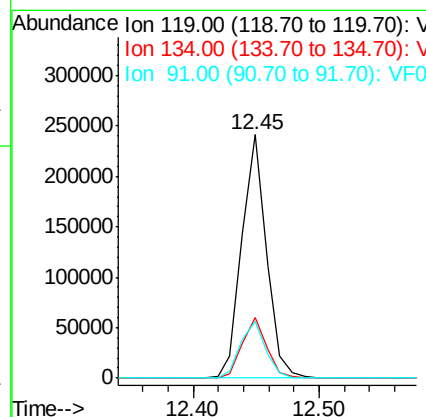
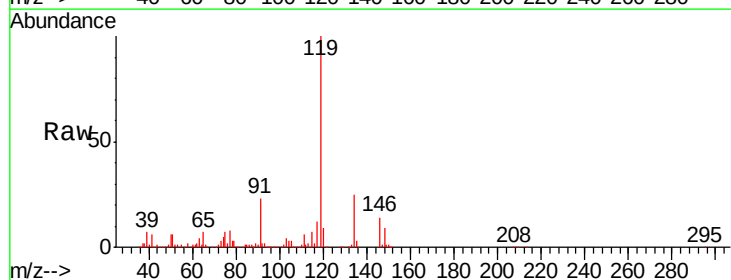
Manual Integrations
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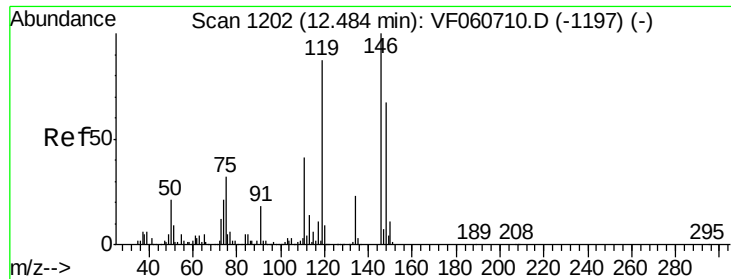
MMDadoda
 11/16/2018 1:25:45 PM



#86
 p-Isopropyltoluene
 Concen: 21.54 ug/l
 RT: 12.45 min Scan# 1198
 Delta R.T. -0.03 min
 Lab File: VF060742.D
 Acq: 15 Nov 2018 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	326136		
134	25.1	13.9	41.7	
91	23.3	11.3	33.9	





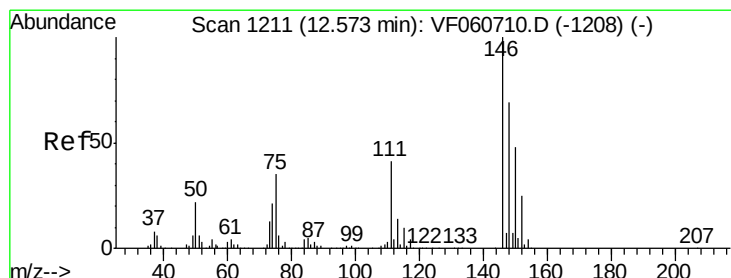
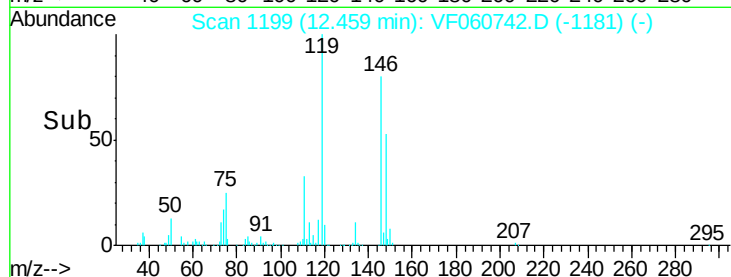
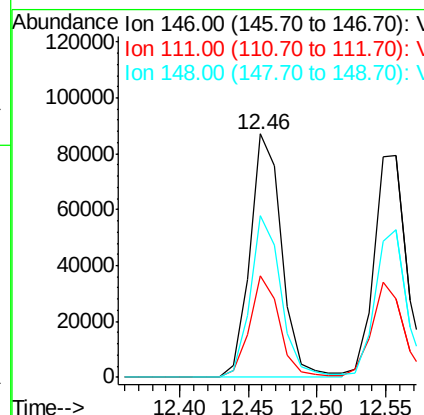
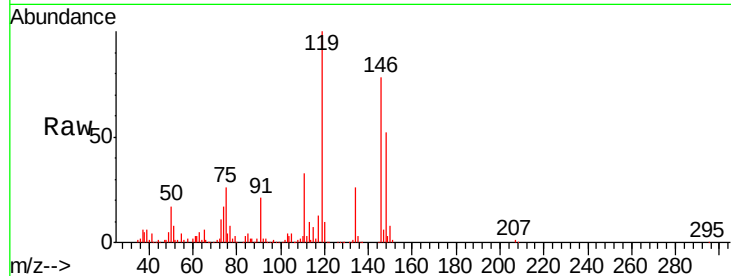
#87
 1,3-Dichlorobenzene
 Concen: 21.37 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.03 min
 Lab File: VF060742.D
 Acq: 15 Nov 2018 12:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1115SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	140369		
111	41.8	20.3	60.8	
148	66.3	33.3	99.9	

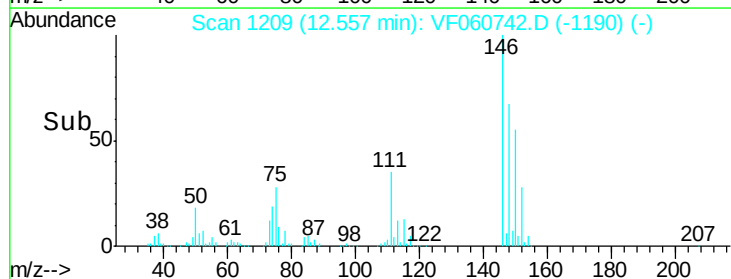
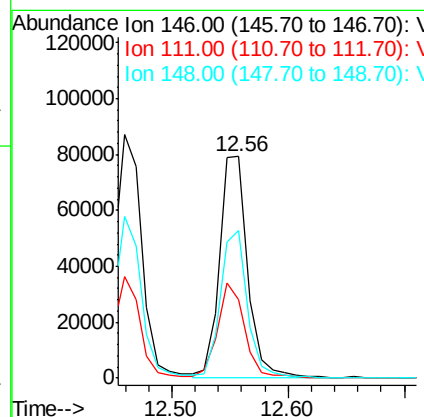
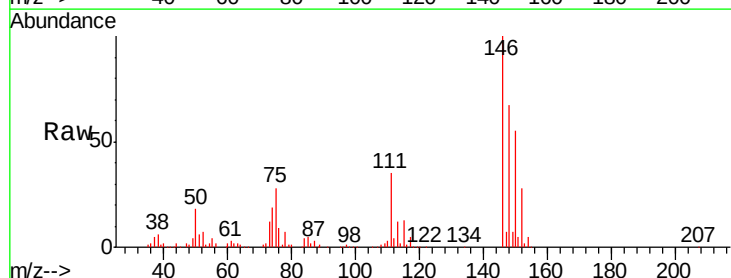
Manual Integrations
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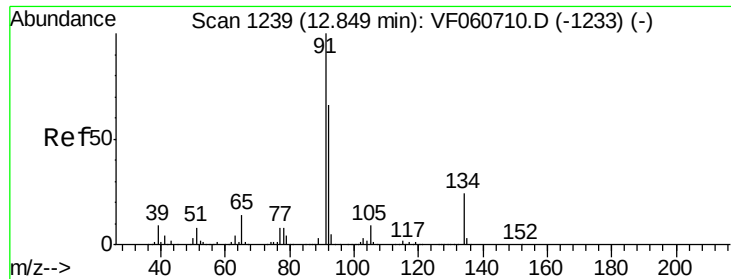
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 20.92 ug/l
 RT: 12.56 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: VF060742.D
 Acq: 15 Nov 2018 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	132052		
111	35.4	20.6	61.9	
148	66.9	34.7	104.1	





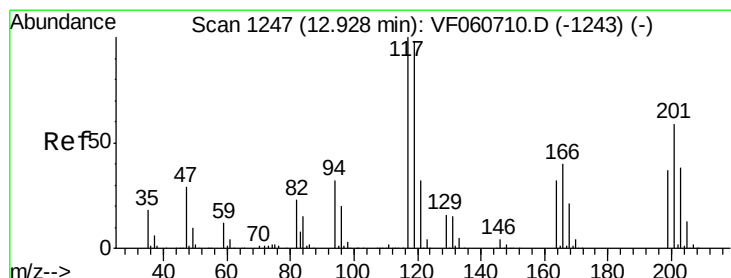
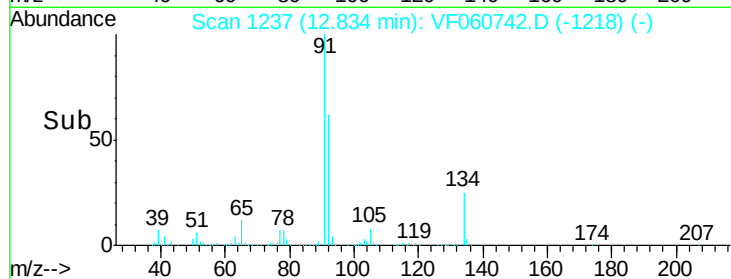
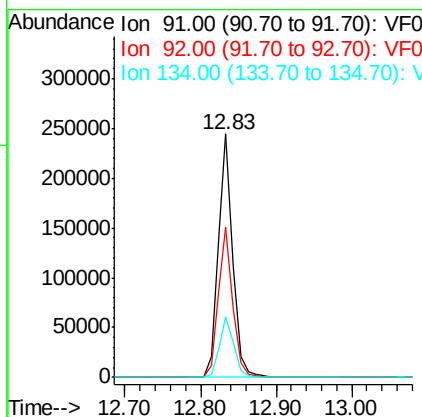
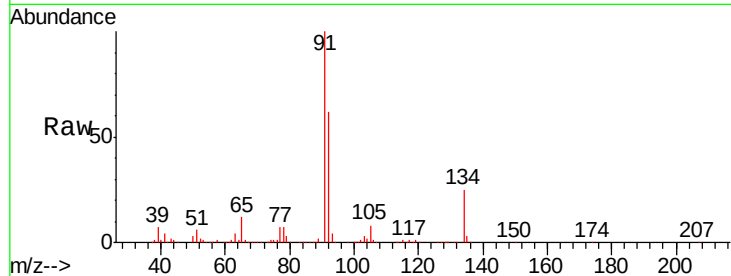
#89
n-Butylbenzene
Concen: 21.36 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VF060742.D
Acq: 15 Nov 2018 12:32

Instrument :
MSVOA_F
ClientSampleId :
VF1115SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	330068		
92	61.6	33.1	99.2	
134	24.8	11.9	35.9	

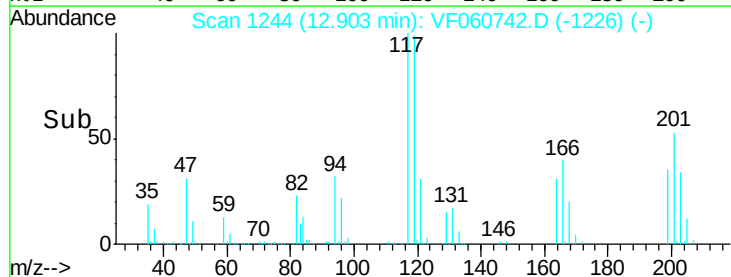
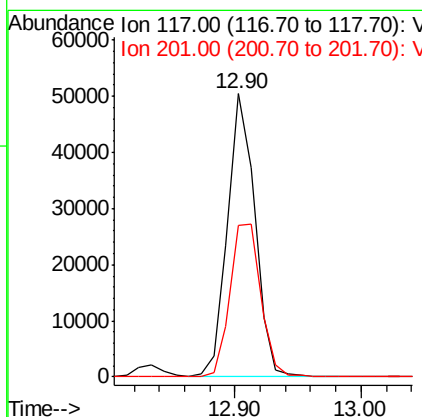
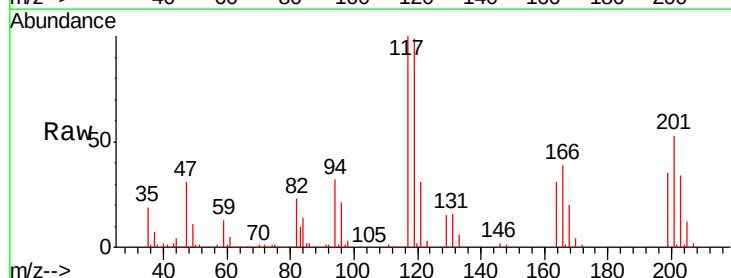
Manual Integrations
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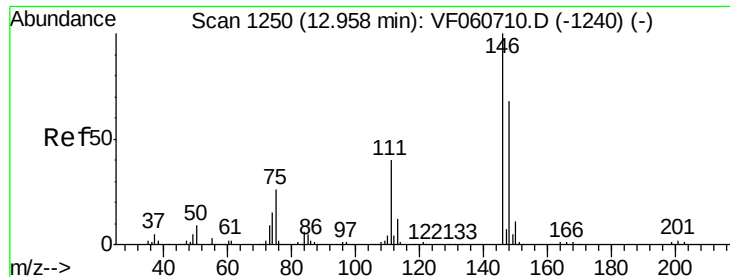
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#90
Hexachloroethane
Concen: 20.51 ug/l
RT: 12.90 min Scan# 1244
Delta R.T. -0.03 min
Lab File: VF060742.D
Acq: 15 Nov 2018 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	75954		
201	53.3	29.4	88.3	





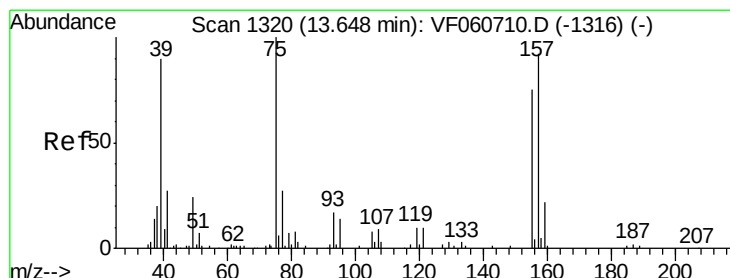
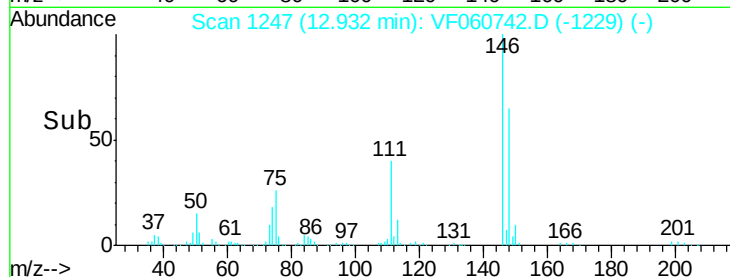
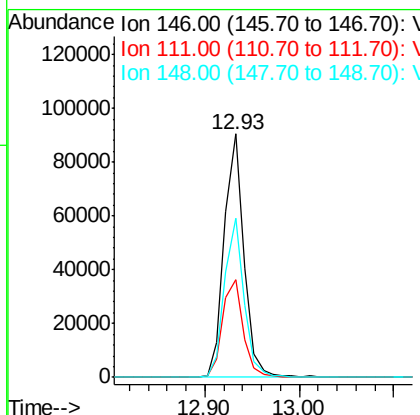
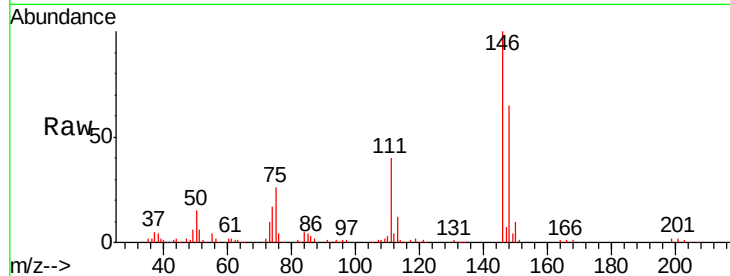
#91
 1,2-Dichlorobenzene
 Concen: 21.12 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.03 min
 Lab File: VF060742.D
 Acq: 15 Nov 2018 12:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1115SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.3	60.8
148	65.3	34.1	102.3

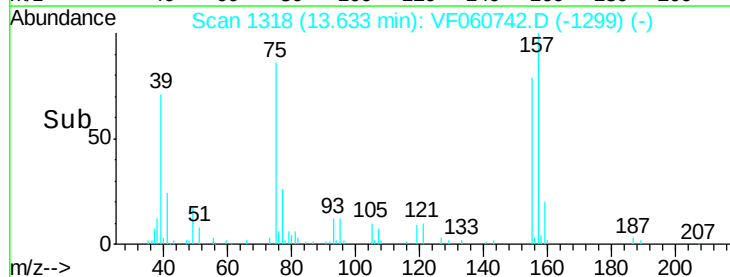
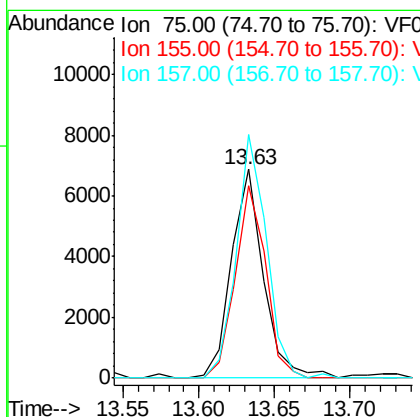
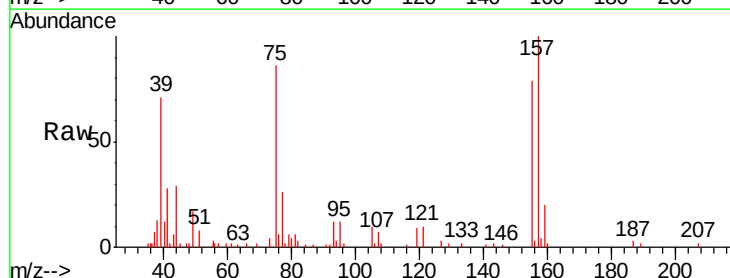
Manual Integrations
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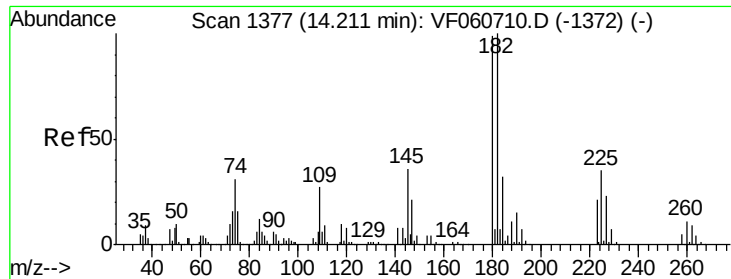
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 11/16/2018 1:25:45 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.59 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.02 min
 Lab File: VF060742.D
 Acq: 15 Nov 2018 12:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.5	37.4	112.2
157	116.8	46.0	138.0





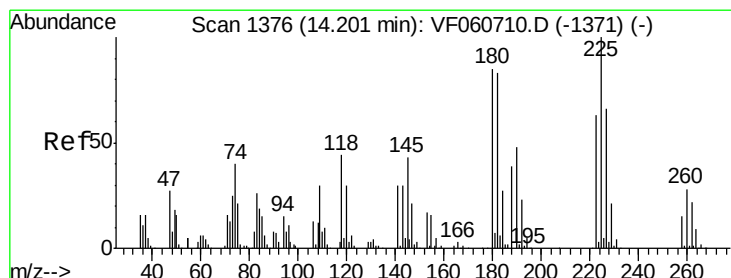
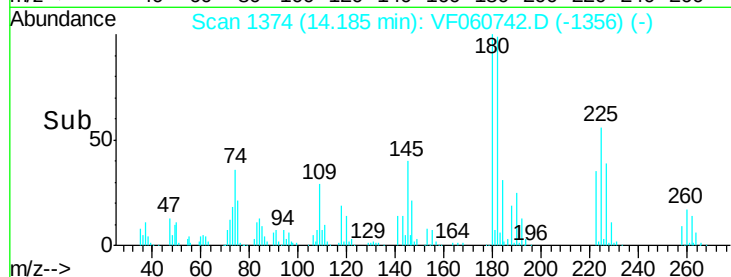
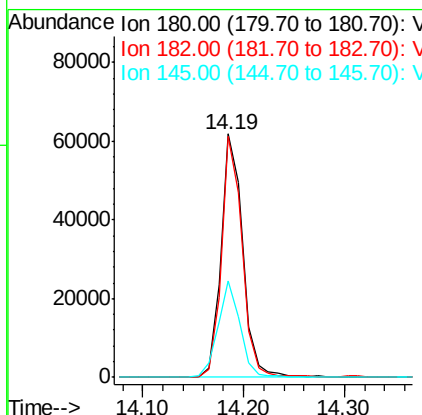
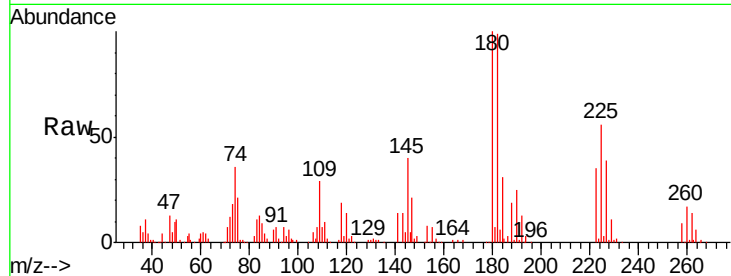
#93
 1,2,4-Trichlorobenzene
 Concen: 20.94 ug/l
 RT: 14.19 min Scan# 1374
 Delta R.T. -0.03 min
 Lab File: VF060742.D
 Acq: 15 Nov 2018 12:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1115SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	93089		
182	99.0	50.3	151.0	
145	39.8	18.3	54.9	

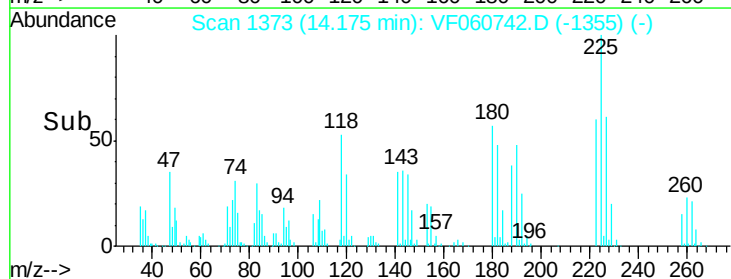
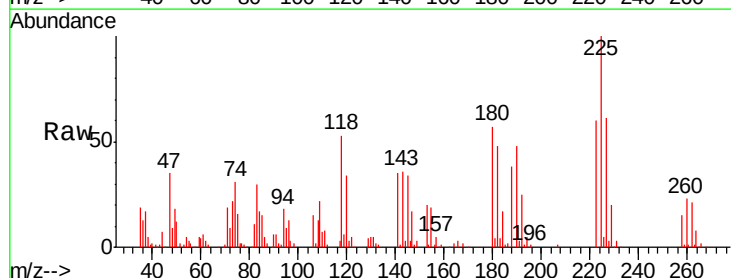
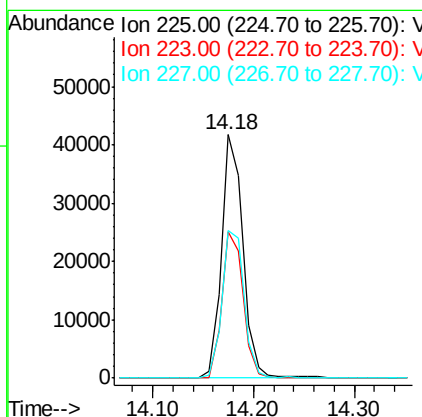
Manual Integrations
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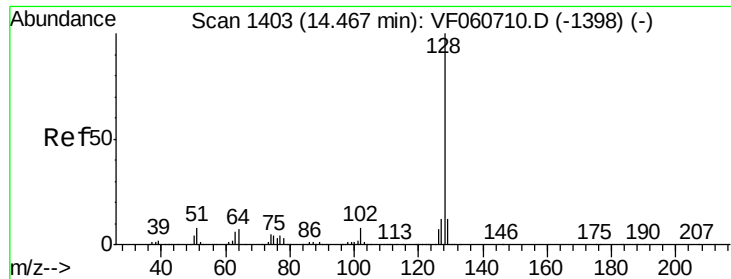
MMDadoda
 11/16/2018 1:25:45 PM



#94
 Hexachlorobutadiene
 Concen: 21.31 ug/l
 RT: 14.18 min Scan# 1373
 Delta R.T. -0.03 min
 Lab File: VF060742.D
 Acq: 15 Nov 2018 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61880		
223	59.9	31.5	94.5	
227	60.8	33.0	99.0	





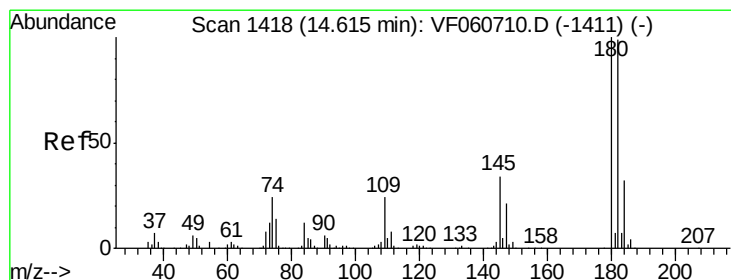
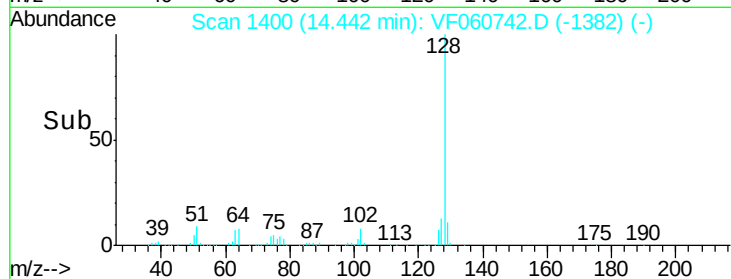
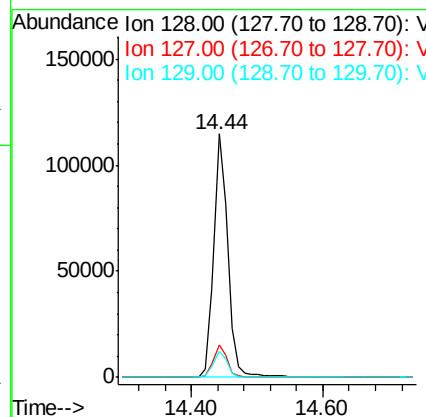
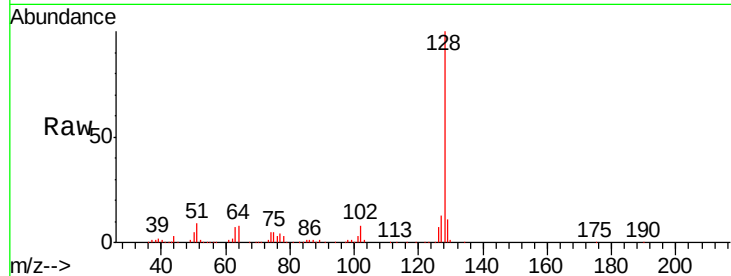
#95
Naphthalene
Concen: 20.41 ug/l
RT: 14.44 min Scan# 1400
Delta R.T. -0.03 min
Lab File: VF060742.D
Acq: 15 Nov 2018 12:32

Instrument :
MSVOA_F
ClientSampleId :
VF1115SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	165497		
127	13.1	9.8	14.6	
129	10.9	9.3	13.9	

Manual Integrations
APPROVED

MMDadoda
11/16/2018 1:25:45 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.43 ug/l
RT: 14.59 min Scan# 1415
Delta R.T. -0.03 min
Lab File: VF060742.D
Acq: 15 Nov 2018 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	83904		
182	94.0	49.6	149.0	
145	37.2	16.9	50.7	

