

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110518\
 Data File : VF060570.D
 Acq On : 5 Nov 2018 13:32
 Operator : VA/AP
 Sample : VF1105SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1105SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/6/2018 12:53:46 PM

Quant Time: Nov 05 13:42:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	272120	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	459906	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	419541	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	225501	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.82	65	148813	54.13	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	108.26%	
35) Dibromofluoromethane	4.09	113	178310	50.18	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.36%	
50) Toluene-d8	7.53	98	531488	50.49	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	100.98%	
62) 4-Bromofluorobenzene	11.40	95	236161	51.29	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	92892	31.161	ug/l	95
3) Chloromethane	1.09	50	73736	30.961	ug/l	96
4) Vinyl Chloride	1.13	62	63106	28.756	ug/l	96
5) Bromomethane	1.30	94	30216	24.529	ug/l	95
6) Chloroethane	1.37	64	19775	22.602	ug/l	98
7) Trichlorofluoromethane	1.48	101	98564	23.996	ug/l	94
8) Diethyl Ether	1.62	74	16723	21.967	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.81	101	58986	25.131	ug/l	98
10) Methyl Iodide	1.88	142	95910m	24.831	ug/l	
11) Tert butyl alcohol	2.55	59	14675	97.792	ug/l #	87
12) 1,1-Dichloroethene	1.77	96	49468	25.023	ug/l	97
13) Acrolein	2.00	56	14184	142.843	ug/l	94
14) Allyl chloride	2.09	41	83821	25.968	ug/l	99
15) Acrylonitrile	2.93	53	34115	104.113	ug/l	98
16) Acetone	2.22	43	81924	126.451	ug/l	96
17) Carbon Disulfide	1.79	76	147529m	26.493	ug/l	
18) Methyl Acetate	2.33	43	24649	24.738	ug/l	95
19) Methyl tert-butyl Ether	2.42	73	104876	22.694	ug/l	92
20) Methylene Chloride	2.18	84	51735m	24.102	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	53144	25.624	ug/l	89
22) Diisopropyl ether	2.79	45	162707	23.791	ug/l	99
23) Vinyl Acetate	3.17	43	450909	109.734	ug/l	97
24) 1,1-Dichloroethane	2.86	63	87472	22.100	ug/l	98
25) 2-Butanone	4.32	43	149573	104.029	ug/l	96
26) 2,2-Dichloropropane	3.59	77	68228	23.038	ug/l	100
27) cis-1,2-Dichloroethene	3.46	96	91593	23.134	ug/l	99
28) Bromochloromethane	3.70	49	56627	22.798	ug/l	95
29) Tetrahydrofuran	4.06	42	51635	101.129	ug/l	95
30) Chloroform	3.84	83	132838	21.214	ug/l	93
31) Cyclohexane	3.67	56	130395	23.873	ug/l	97
32) 1,1,1-Trichloroethane	4.08	97	102953	23.540	ug/l	97
36) 1,1-Dichloropropene	4.26	75	109788	21.681	ug/l	98
37) Ethyl Acetate	4.09	43	45334	18.649	ug/l	90
38) Carbon Tetrachloride	3.97	117	92646	21.411	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	145578	23.558	ug/l	99
40) Benzene	4.61	78	267982	21.802	ug/l	100
41) Methacrylonitrile	4.73	41	26839	19.496	ug/l	89
42) 1,2-Dichloroethane	4.93	62	71133	20.163	ug/l	93
43) Isopropyl Acetate	6.94	43	55100	17.920	ug/l #	97
44) Trichloroethene	5.49	130	79540	21.531	ug/l	99
45) 1,2-Dichloropropane	6.21	63	68807	21.887	ug/l	98
46) Dibromomethane	6.07	93	39814	19.963	ug/l	96
47) Bromodichloromethane	6.37	83	102882	21.387	ug/l	96
48) Methyl methacrylate	6.69	41	37921	19.623	ug/l	96
49) 1,4-Dioxane	6.69	88	8557	423.286	ug/l	95
51) 4-Methyl-2-Pentanone	8.24	43	217508	105.193	ug/l	100
52) Toluene	7.61	92	165444	20.662	ug/l	99
53) t-1,3-Dichloropropene	8.26	75	84727	20.265	ug/l	97
54) cis-1,3-Dichloropropene	7.29	75	111586	21.124	ug/l	98
55) 1,1,2-Trichloroethane	8.48	97	46485	19.951	ug/l	93
56) Ethyl methacrylate	8.61	69	58021	19.355	ug/l	97
57) 1,3-Dichloropropane	8.83	76	80052	19.581	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.61	63	22683	106.299	ug/l	100
59) 2-Hexanone	9.48	43	162464	103.676	ug/l	97
60) Dibromochloromethane	8.70	129	65193	20.006	ug/l	95
61) 1,2-Dibromoethane	8.97	107	51889	21.177	ug/l	92
64) Tetrachloroethene	8.13	164	63172	19.213	ug/l	92
65) Chlorobenzene	9.78	112	175020	20.400	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.92	131	74461	20.540	ug/l	94
67) Ethyl Benzene	9.88	91	335321	21.537	ug/l	96
68) m/p-Xylenes	10.12	106	250561	42.723	ug/l	98
69) o-Xylene	10.70	106	135442	21.150	ug/l	89
70) Styrene	10.78	104	193801	20.889	ug/l	98
71) Bromoform	10.76	173	34475	18.413	ug/l	100
73) Isopropylbenzene	11.11	105	394673	22.442	ug/l	96
74) N-amyl acetate	11.36	43	90958	18.143	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.68	83	68183	21.241	ug/l	97
76) 1,2,3-Trichloropropane	11.86	75	32848	20.822	ug/l	99
77) Bromobenzene	11.49	156	76902	19.984	ug/l	88
78) n-propylbenzene	11.59	91	472589	22.968	ug/l	99
79) 2-Chlorotoluene	11.70	91	257198	21.888	ug/l	99
80) 1,3,5-Trimethylbenzene	11.81	105	315733	21.781	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.86	75	26628m	21.477	ug/l	
82) 4-Chlorotoluene	11.89	91	262035	21.373	ug/l	98
83) tert-Butylbenzene	12.12	119	333208	22.500	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	313935	22.115	ug/l	96
85) sec-Butylbenzene	12.30	105	442364	21.715	ug/l	97
86) p-Isopropyltoluene	12.45	119	379885	22.645	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	158663	21.007	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	153654	21.448	ug/l	95
89) n-Butylbenzene	12.84	91	380026	20.783	ug/l	95
90) Hexachloroethane	12.91	117	93756	21.976	ug/l	86
91) 1,2-Dichlorobenzene	12.93	146	148418	21.004	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	11212	20.104	ug/l	91

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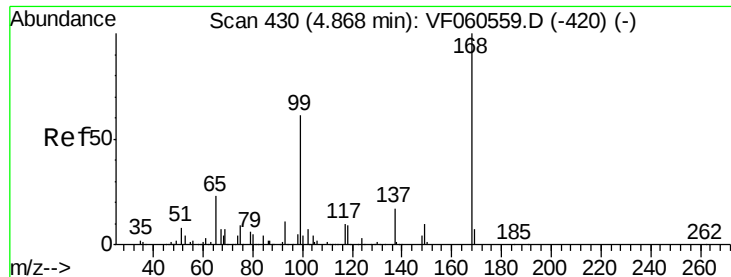
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	99858	20.802	ug/l	97
94) Hexachlorobutadiene	14.18	225	64688	20.795	ug/l	96
95) Naphthalene	14.45	128	178891	18.618	ug/l	97
96) 1,2,3-Trichlorobenzene	14.59	180	90475	19.951	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

Instrument :

MSVOA_F

ClientSampleId :

VF1105SBS01

Tot Ion:168 Resp: 272120

Ion Ratio Lower Upper

168 100

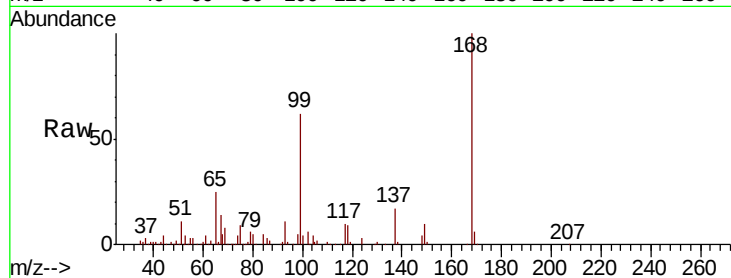
99 61.7 48.6 72.8

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

80000

60000

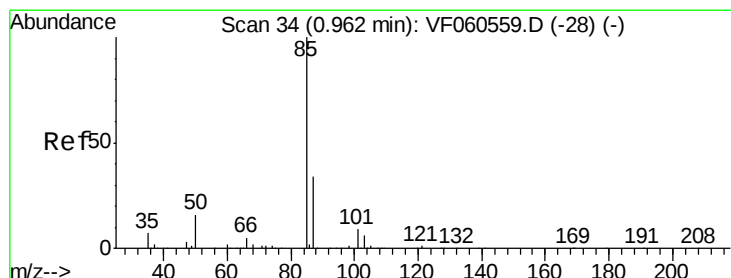
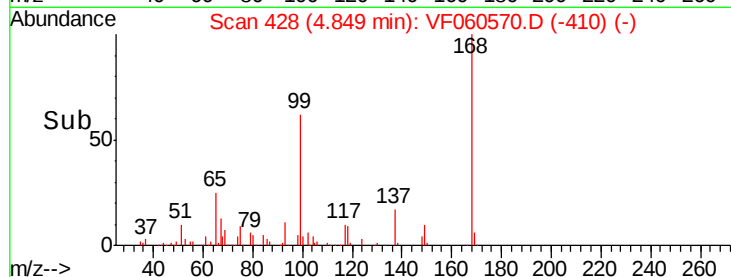
40000

20000

0

4.70 4.80 4.90 5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 31.161 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF060570.D

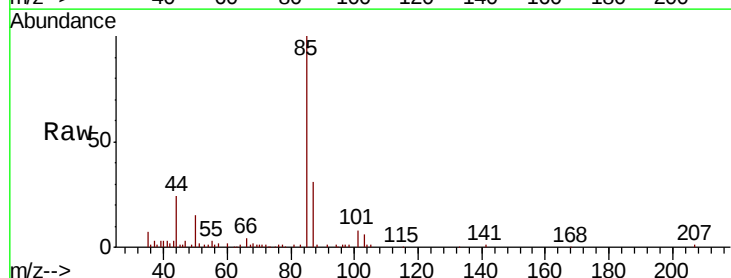
Acq: 5 Nov 2018 13:32

Tgt Ion: 85 Resp: 92892

Ion Ratio Lower Upper

85 100

87 31.1 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

30000

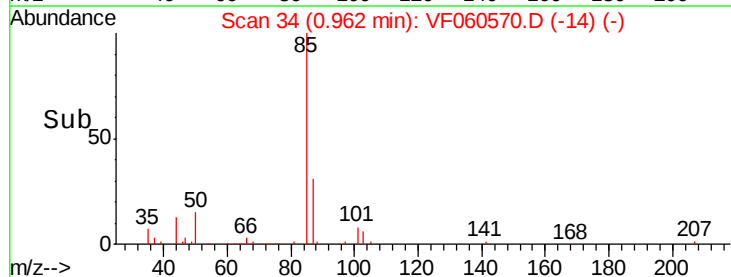
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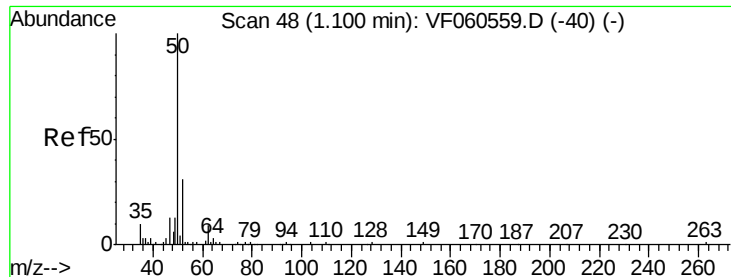
10000

0

0.80 0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 30.961 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

Instrument :

MSVOA_F

ClientSampleId :

VF1105SBS01

Tot Ion: 50 Resp: 73736

Ion Ratio Lower Upper

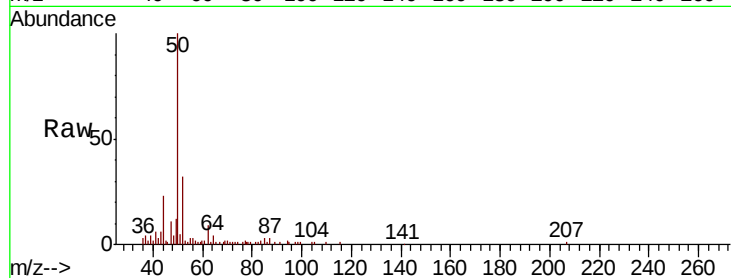
50 100

52 32.1 24.0 36.0

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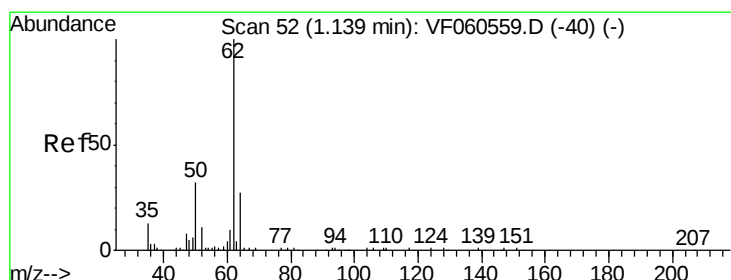
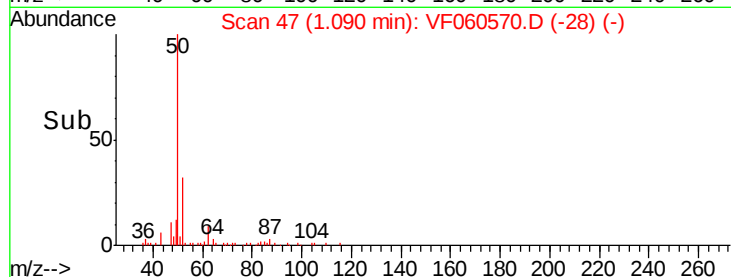
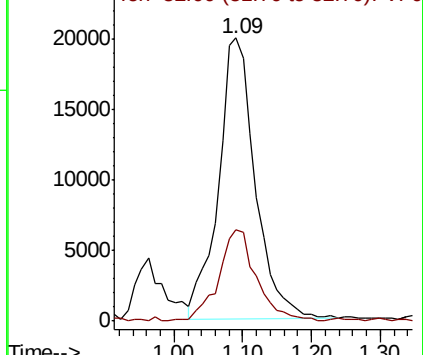
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 28.756 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF060570.D

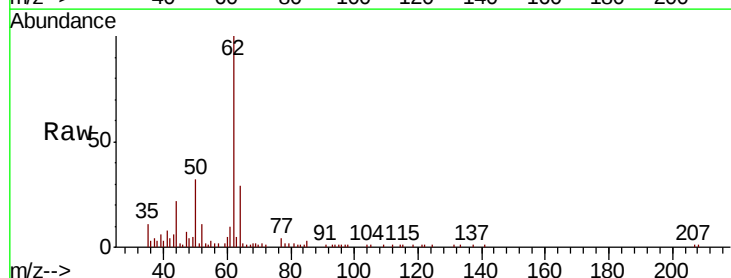
Acq: 5 Nov 2018 13:32

Tgt Ion: 62 Resp: 63106

Ion Ratio Lower Upper

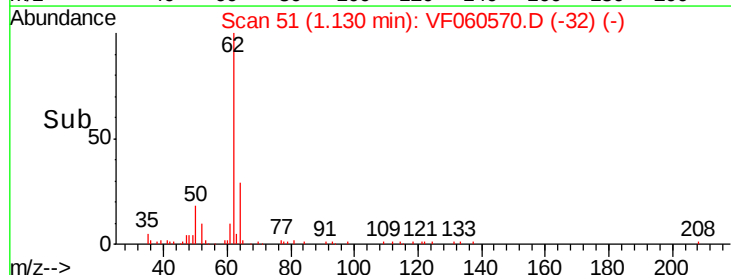
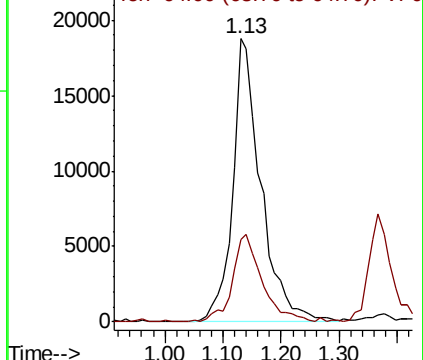
62 100

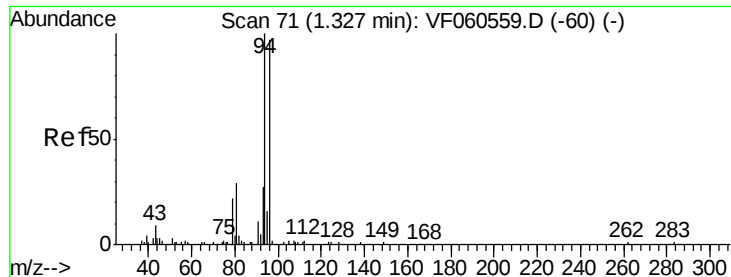
64 29.3 21.8 32.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 24.529 ug/l

RT: 1.30 min Scan# 68

Delta R.T. -0.03 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

Instrument :

MSVOA_F

ClientSampleId :

VF1105SBS01

Tot Ion: 94 Resp: 30216

Ion Ratio Lower Upper

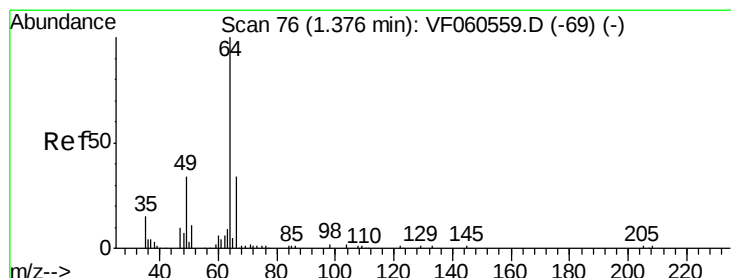
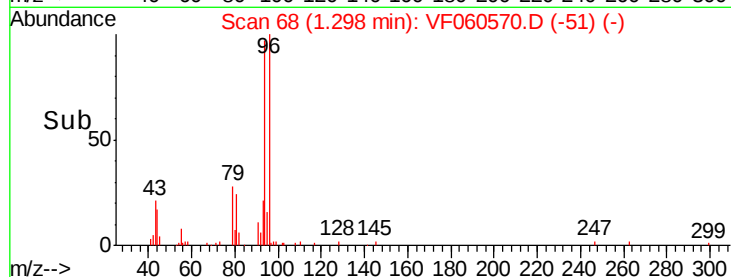
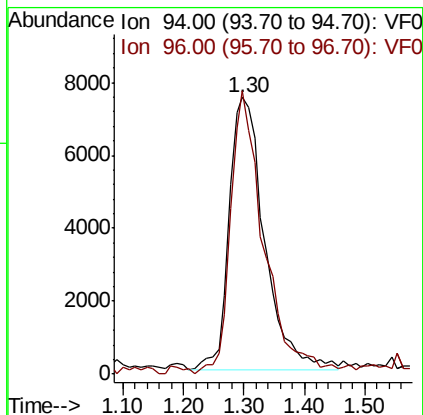
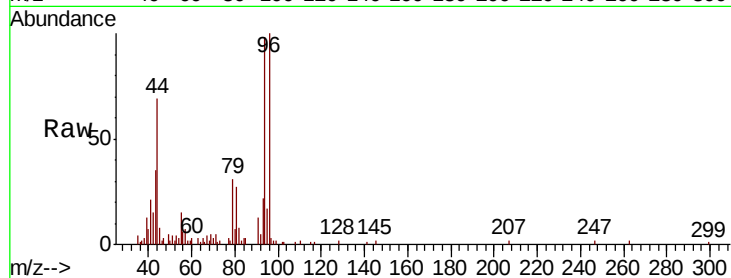
94 100

96 102.2 77.9 116.9

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#6

Chloroethane

Concen: 22.602 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.01 min

Lab File: VF060570.D

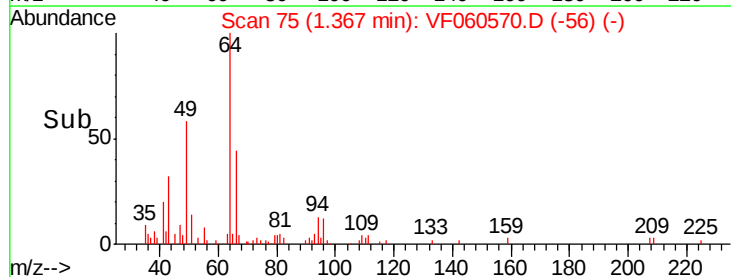
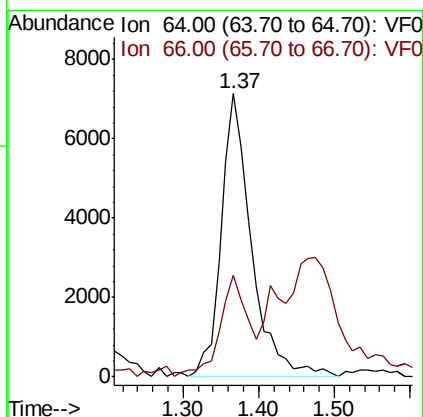
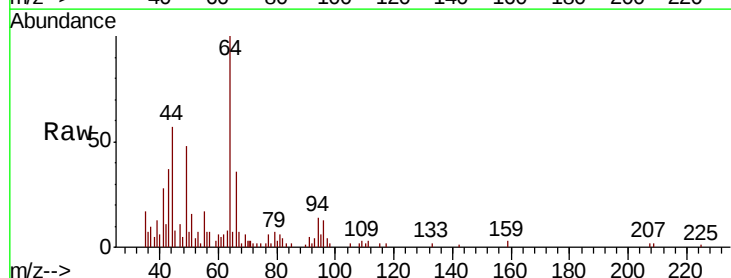
Acq: 5 Nov 2018 13:32

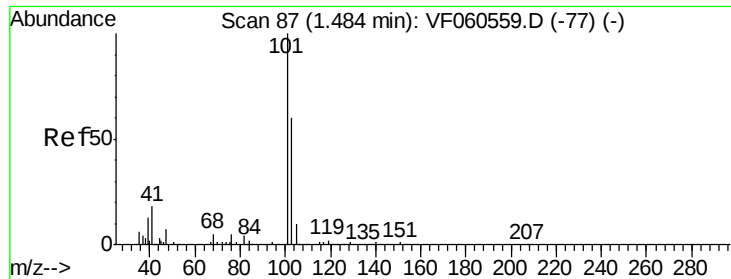
Tgt Ion: 64 Resp: 19775

Ion Ratio Lower Upper

64 100

66 35.9 27.8 41.8





#7

Trichlorofluoromethane

Concen: 23.996 ug/l

RT: 1.48 min Scan# 86

Delta R.T. -0.01 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

Instrument :

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ClientSampleId :

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Tot Ion:101 Resp: 98564

Ion Ratio Lower Upper

101 100

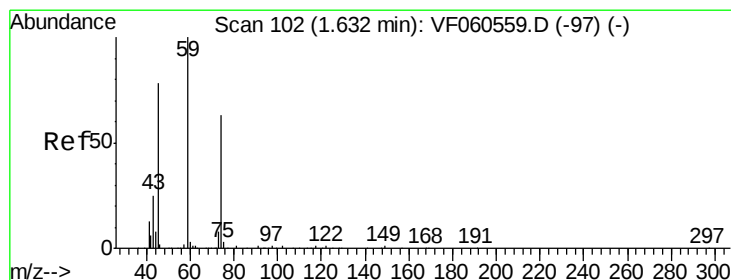
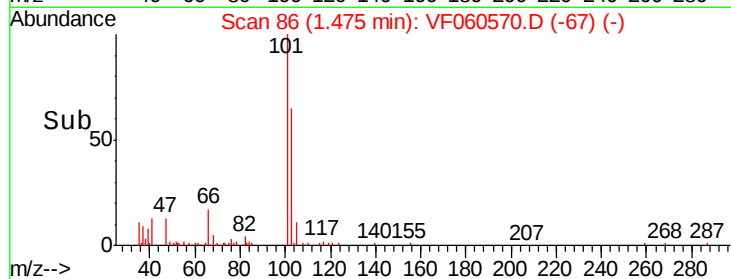
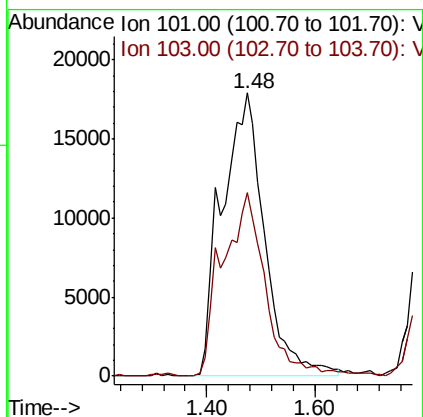
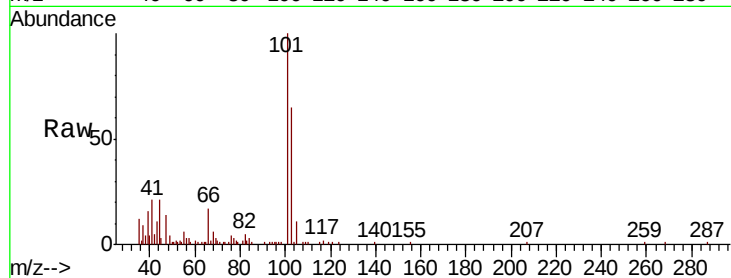
103 64.9 48.0 72.0

Manual Integrations

APPROVED

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11/6/2018 12:53:46 PM



#8

Diethyl Ether

Concen: 21.967 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF060570.D

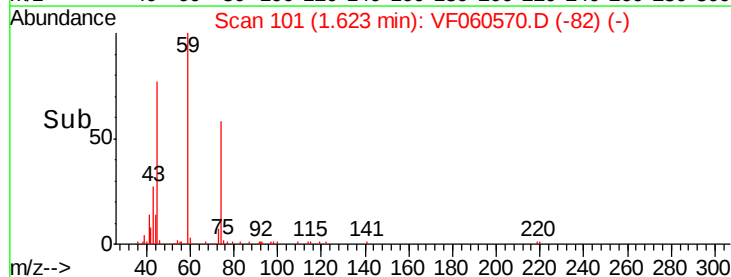
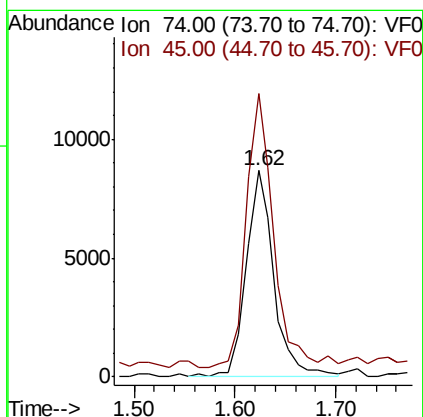
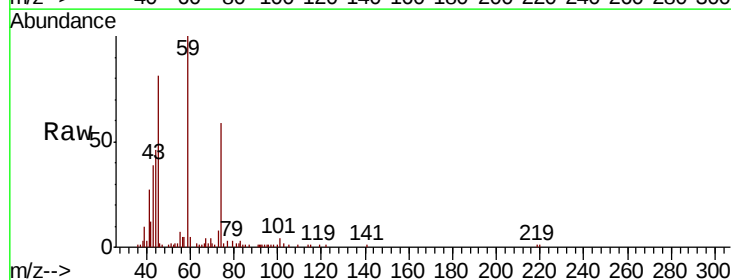
Acq: 5 Nov 2018 13:32

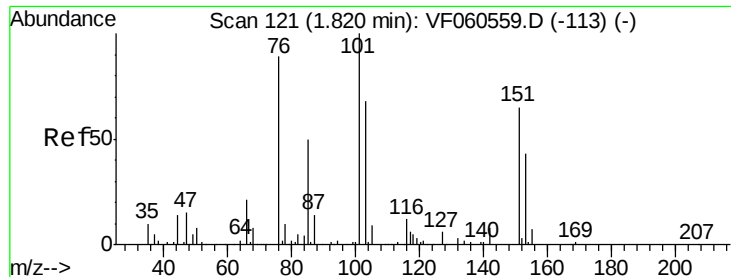
Tgt Ion: 74 Resp: 16723

Ion Ratio Lower Upper

74 100

45 137.2 63.8 191.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 25.131 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.01 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

Instrument :

MSVOA_F

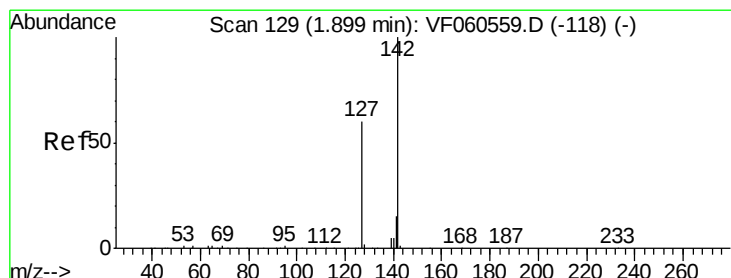
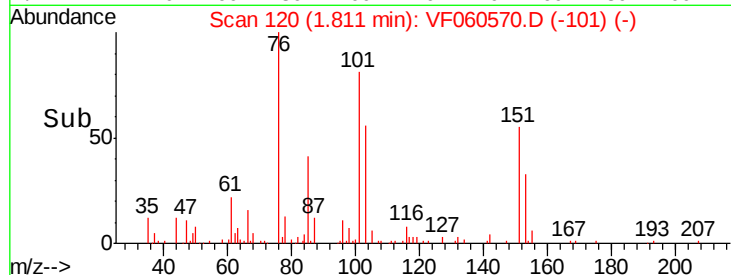
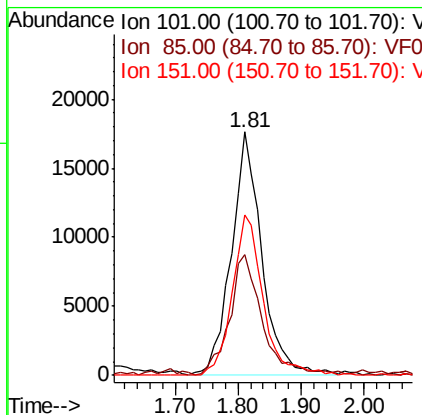
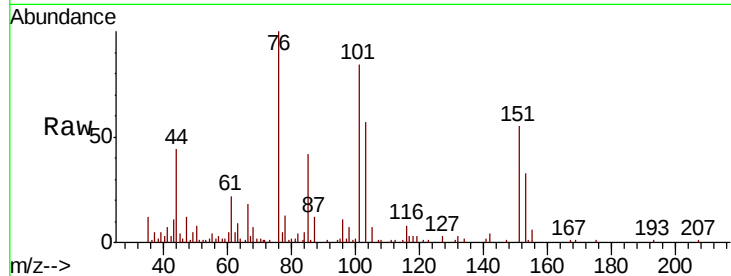
ClientSampleId :

VF1105SBS01

Tot Ion:	101	Resp:	58986
Ion Ratio	Lower	Upper	
101	100		
85	49.5	39.8	59.6
151	65.7	50.8	76.2

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#10

Methyl Iodide

Concen: 24.831 ug/l m

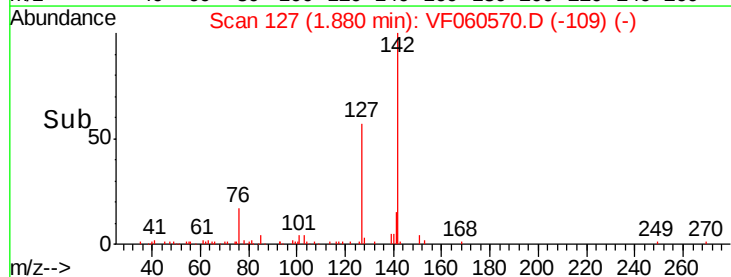
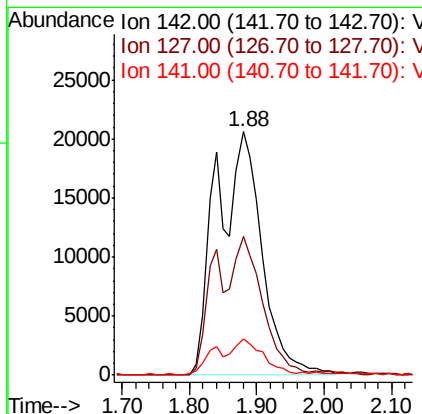
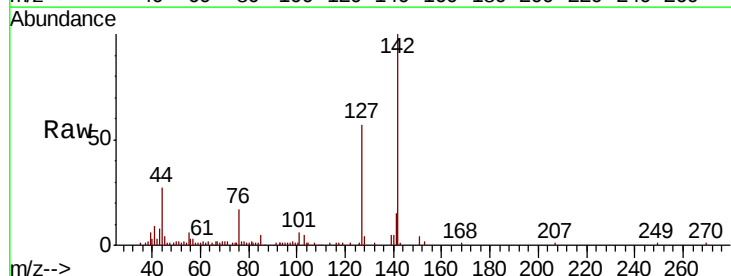
RT: 1.88 min Scan# 127

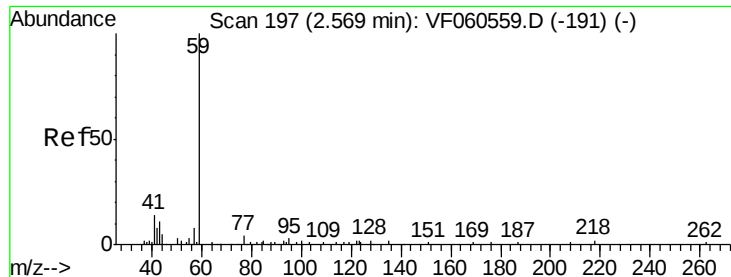
Delta R.T. -0.02 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

Tgt Ion:	142	Resp:	95910
Ion Ratio	Lower	Upper	
142	100		
127	56.8	47.8	71.6
141	14.9	12.7	19.1





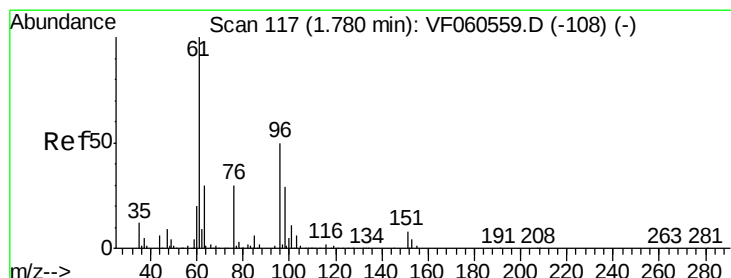
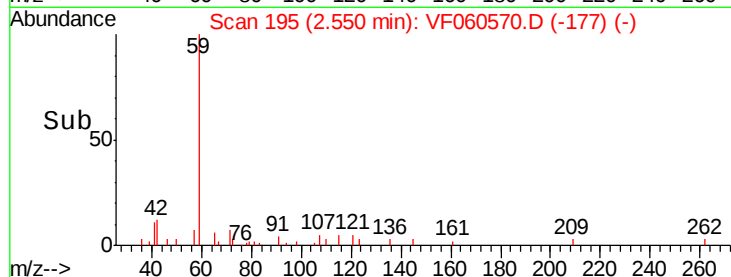
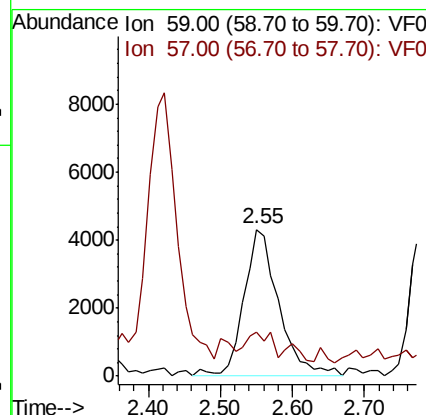
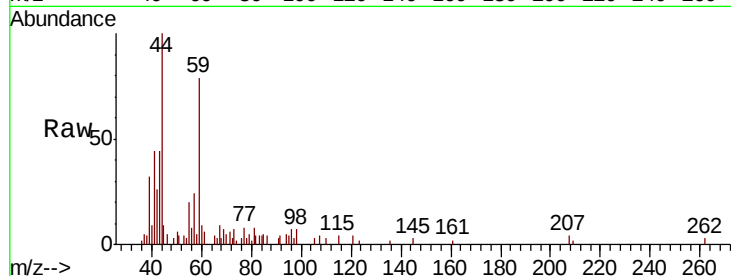
#11
Tert butyl alcohol
Concen: 97.792 ug/l
RT: 2.55 min Scan# 195
Delta R.T. -0.02 min
Lab File: VF060570.D
Acq: 5 Nov 2018 13:32

Instrument :
MSVOA_F
ClientSampleId :
VF1105SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	30.3	19.0	28.4

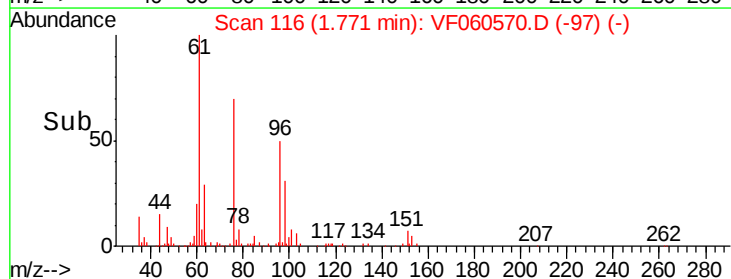
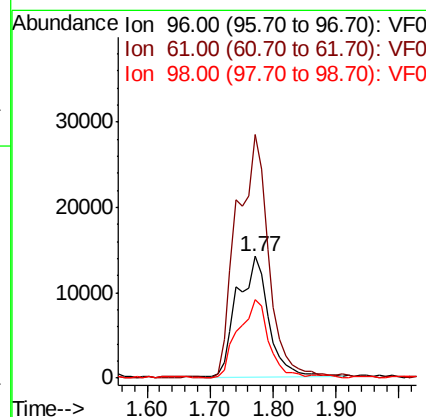
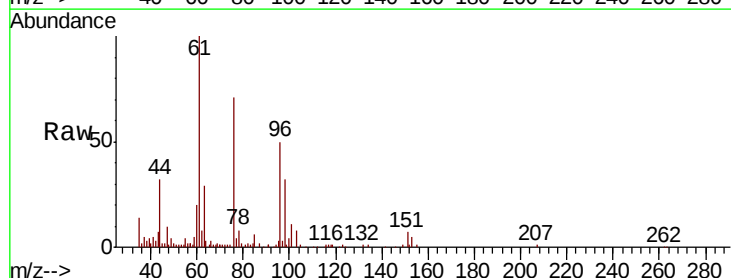
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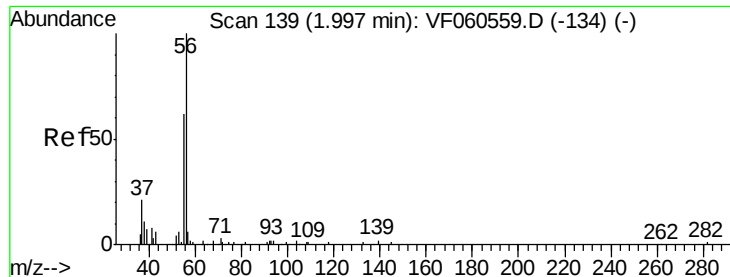
MMDadoda
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#12
1,1-Dichloroethene
Concen: 25.023 ug/l
RT: 1.77 min Scan# 116
Delta R.T. -0.01 min
Lab File: VF060570.D
Acq: 5 Nov 2018 13:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	199.7	158.1	237.1
98	64.6	47.0	70.6





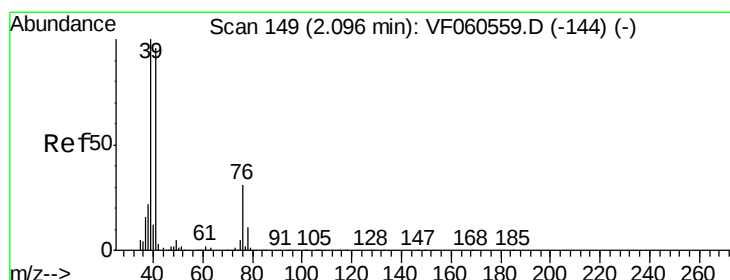
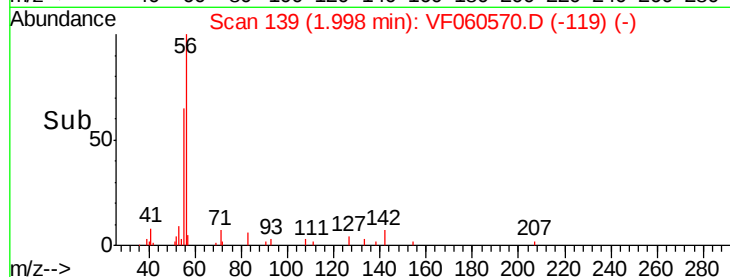
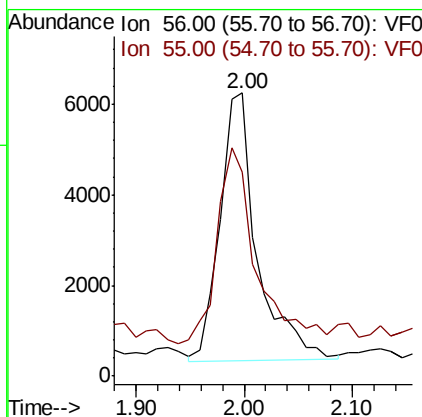
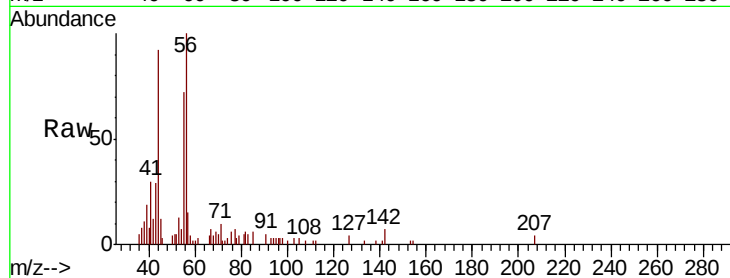
#13
Acrolein
Concen: 142.843 ug/l
RT: 2.00 min Scan# 139
Delta R.T. 0.00 min
Lab File: VF060570.D
Acq: 5 Nov 2018 13:32

Instrument :
MSVOA_F
ClientSampleId :
VF1105SBS01

Tot Ion	56	Resp	14184
Ion Ratio	100	Lower	Upper
55	72.1	61.8	92.6

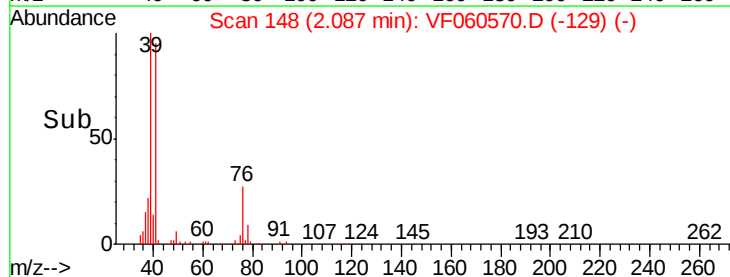
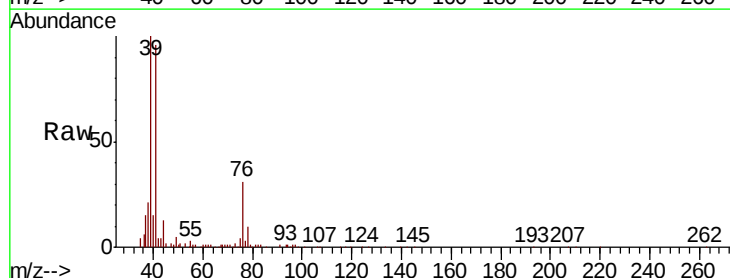
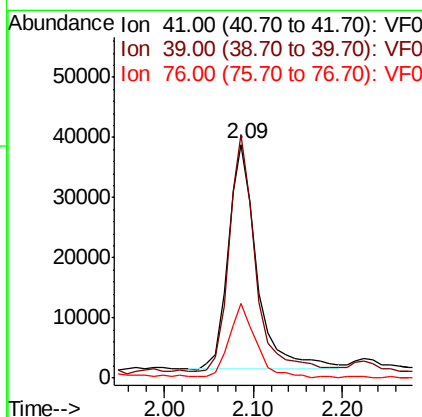
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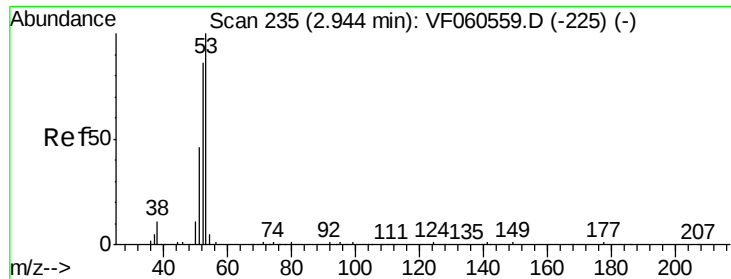
MMDadoda
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#14
Allyl chloride
Concen: 25.968 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.01 min
Lab File: VF060570.D
Acq: 5 Nov 2018 13:32

Tgt Ion	41	Resp	83821
Ion Ratio	100	Lower	Upper
39	104.2	82.6	124.0
76	32.0	26.7	40.1





#15

Acrylonitrile

Concen: 104.113 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.02 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

Instrument :

MSVOA_F

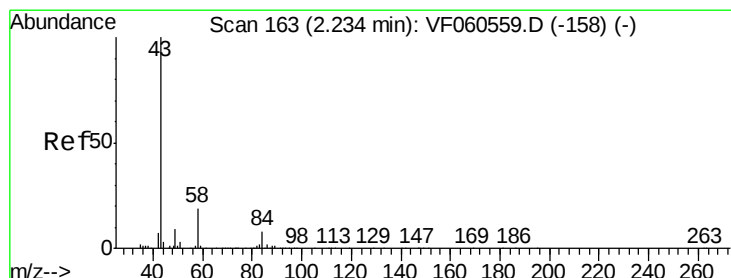
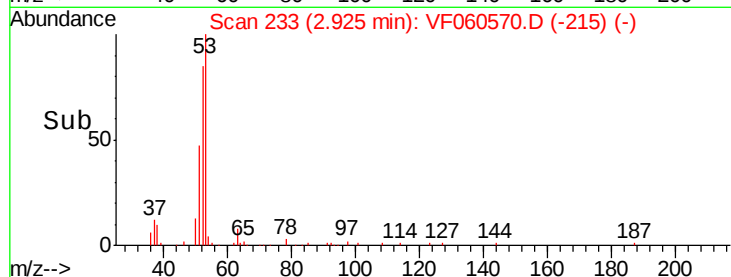
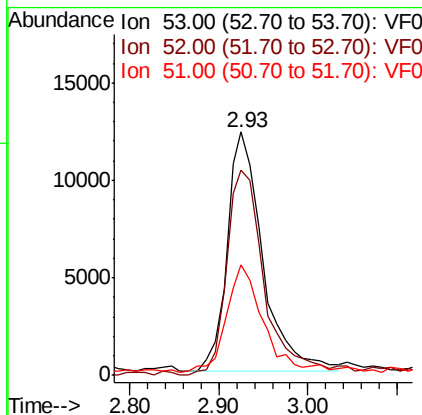
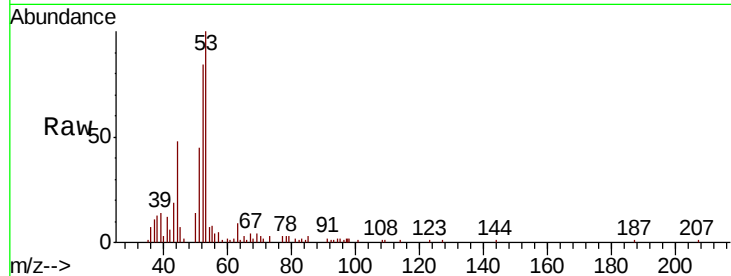
ClientSampleId :

VF1105SBS01

Tot Ion:	53	Resp:	34115
Ion	Ratio	Lower	Upper
53	100		
52	84.2	68.5	102.7
51	45.3	38.2	57.2

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#16

Acetone

Concen: 126.451 ug/l

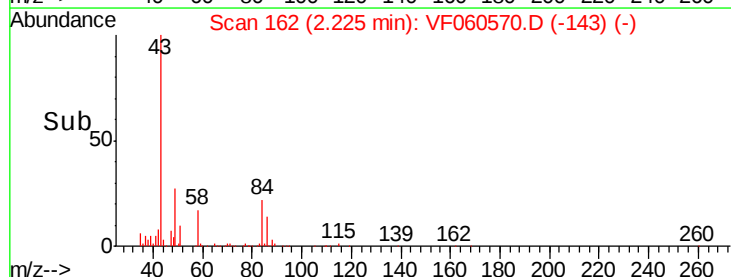
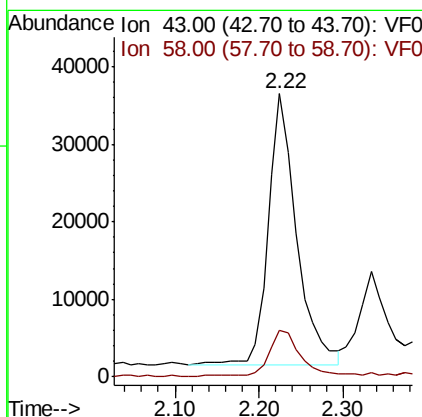
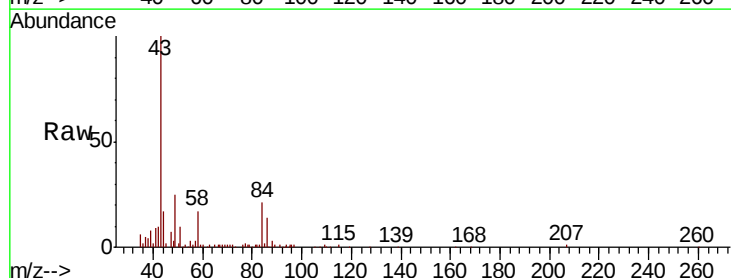
RT: 2.22 min Scan# 162

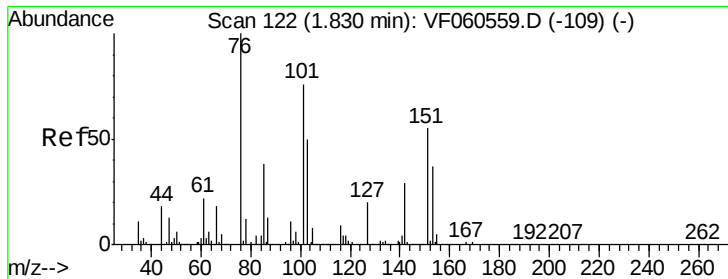
Delta R.T. -0.01 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

Tgt Ion:	43	Resp:	81924
Ion	Ratio	Lower	Upper
43	100		
58	16.7	14.6	22.0





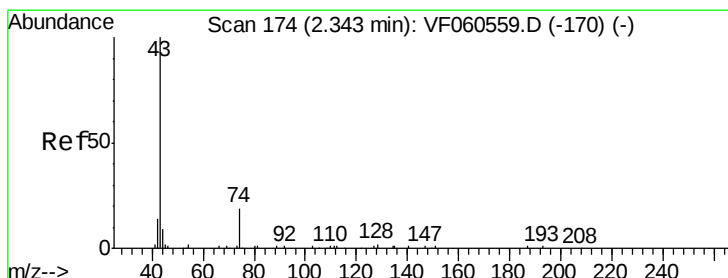
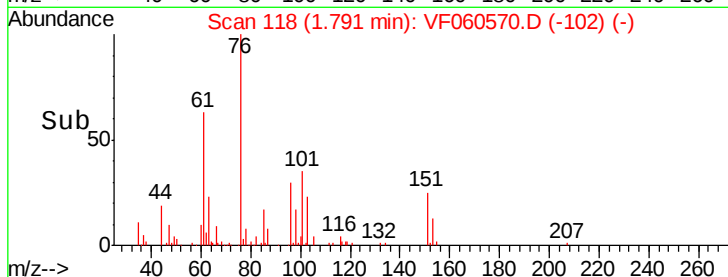
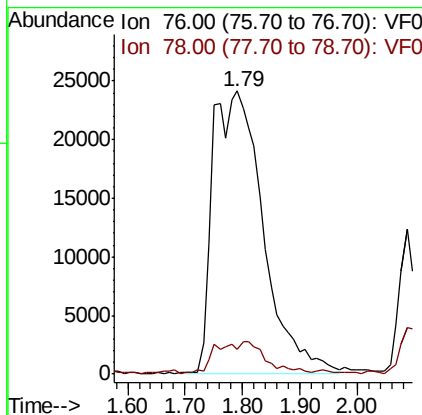
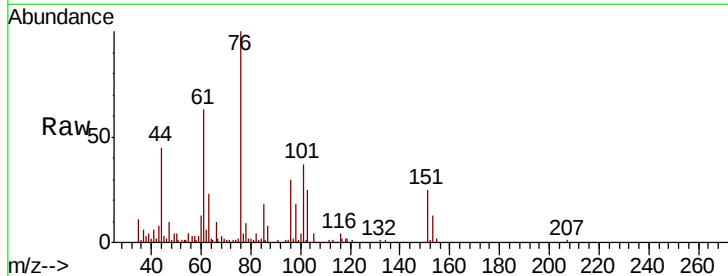
#17
Carbon Disulfide
Concen: 26.493 ug/l m
RT: 1.79 min Scan# 118
Delta R.T. -0.04 min
Lab File: VF060570.D
Acq: 5 Nov 2018 13:32

Instrument :
MSVOA_F
ClientSampleId :
VF1105SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	9.9	14.9#

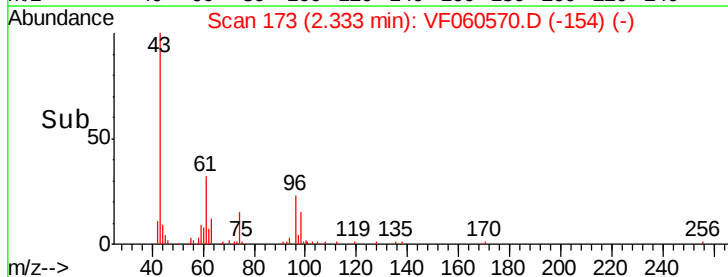
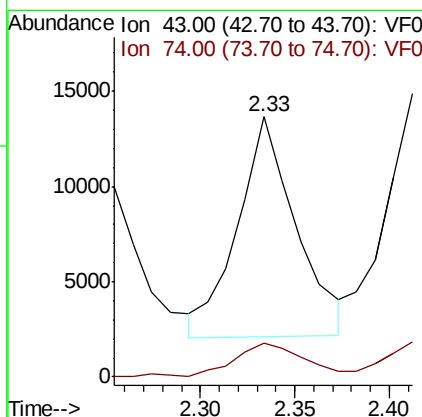
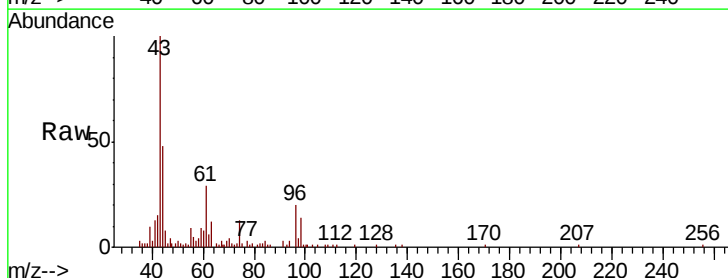
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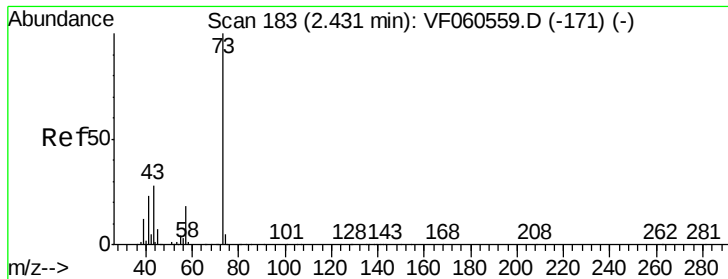
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#18
Methyl Acetate
Concen: 24.738 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.01 min
Lab File: VF060570.D
Acq: 5 Nov 2018 13:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	13.2	12.1	18.1





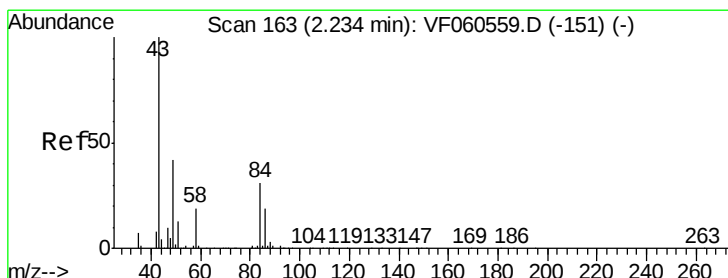
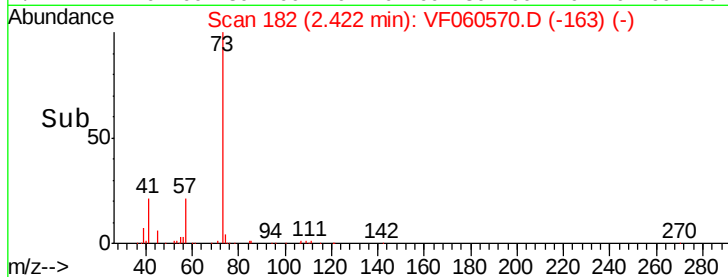
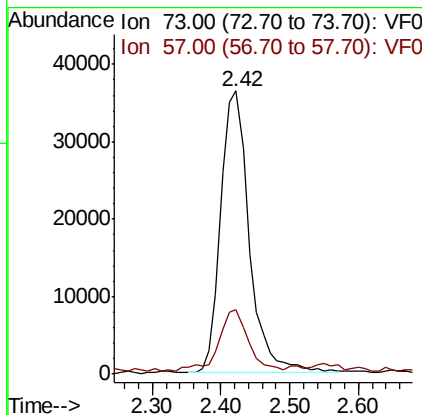
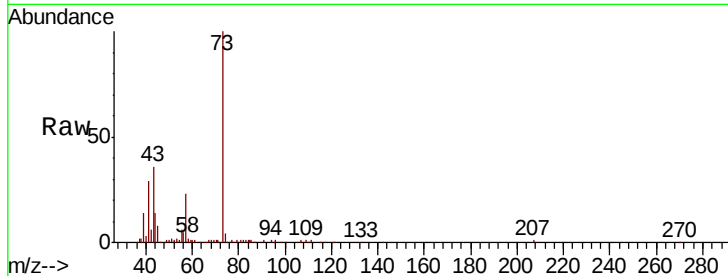
#19
Methvl tert-butvl Ether
Concen: 22.694 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF060570.D
Acq: 5 Nov 2018 13:32

Instrument :
MSVOA_F
ClientSampleId :
VF1105SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.8	15.4	23.0

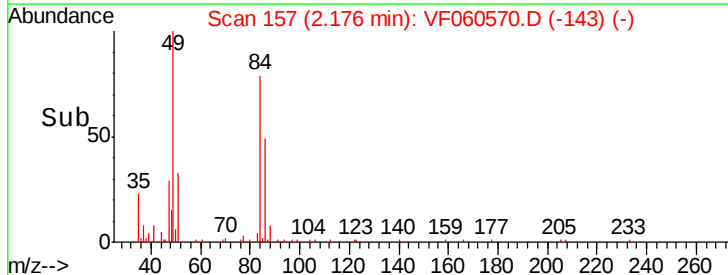
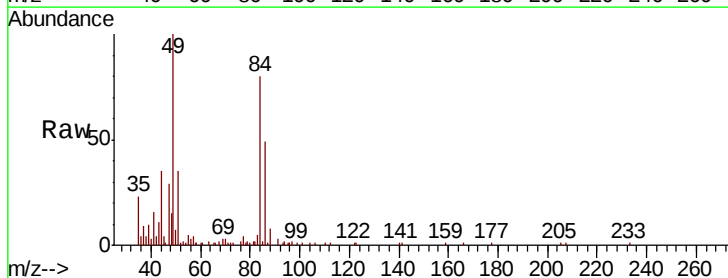
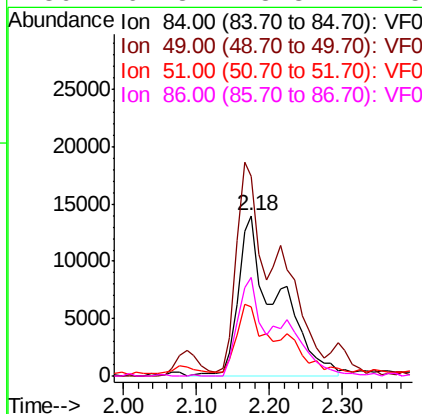
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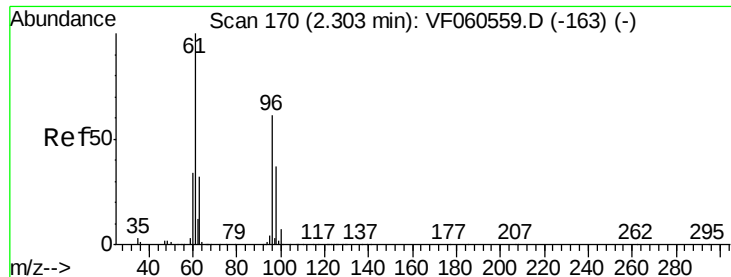
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#20
Methylene Chloride
Concen: 24.102 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. -0.06 min
Lab File: VF060570.D
Acq: 5 Nov 2018 13:32

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.5	109.9	164.9
51	43.0	35.8	53.8
86	61.3	48.3	72.5





#21

trans-1,2-Dichloroethene

Concen: 25.624 ug/l

RT: 2.30 min Scan# 170

Delta R.T. 0.00 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

Instrument :

MSVOA_F

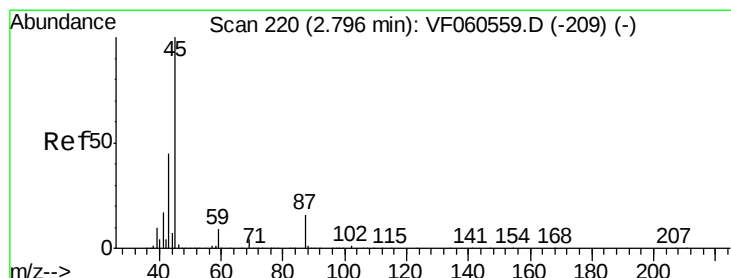
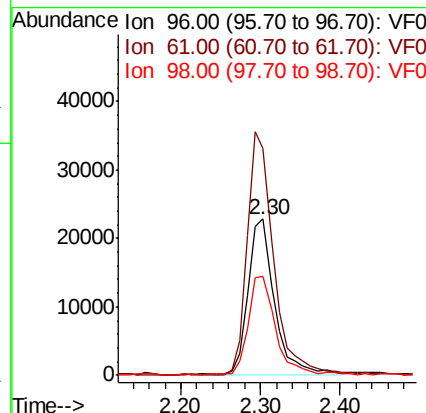
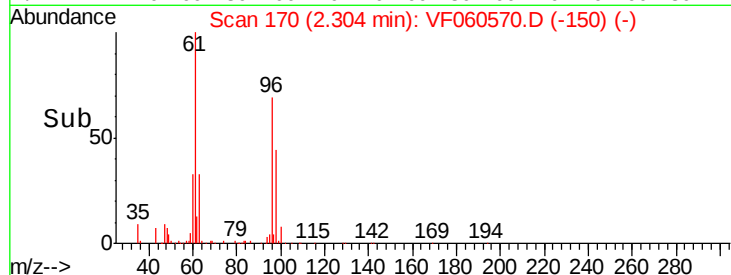
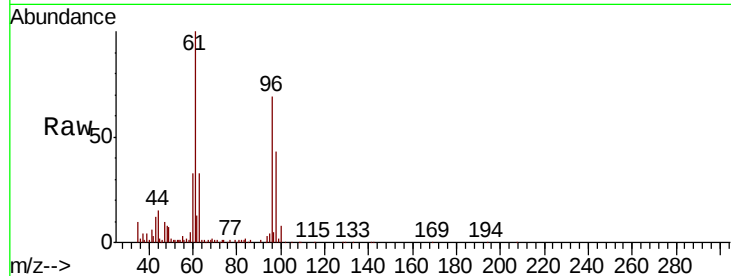
ClientSampleId :

VF1105SBS01

Tot Ion:	96	Resp:	53144
Ion	Ratio	Lower	Upper
96	100		
61	145.9	131.3	196.9
98	63.4	48.6	73.0

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#22

Diisopropyl ether

Concen: 23.791 ug/l

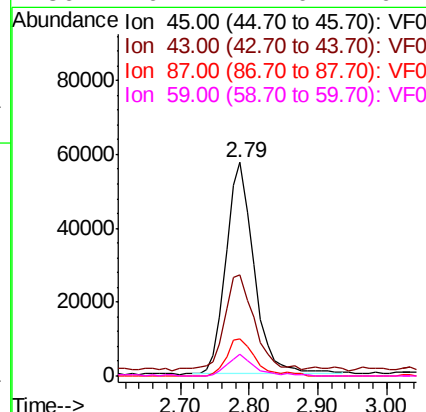
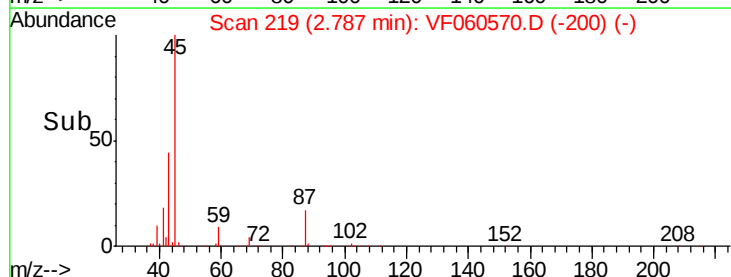
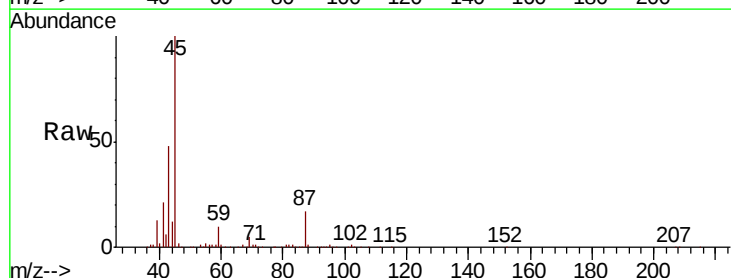
RT: 2.79 min Scan# 219

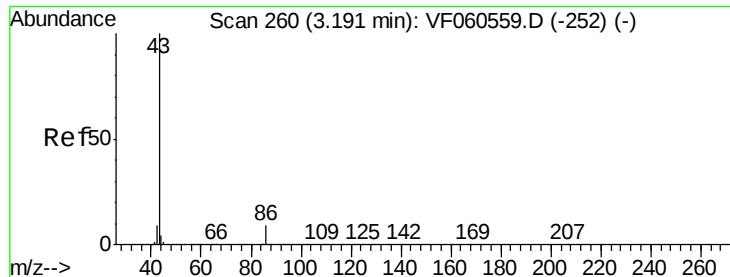
Delta R.T. -0.01 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

Tgt Ion:	45	Resp:	162707
Ion	Ratio	Lower	Upper
45	100		
43	47.6	38.1	57.1
87	17.4	12.7	19.1
59	10.2	7.0	10.4





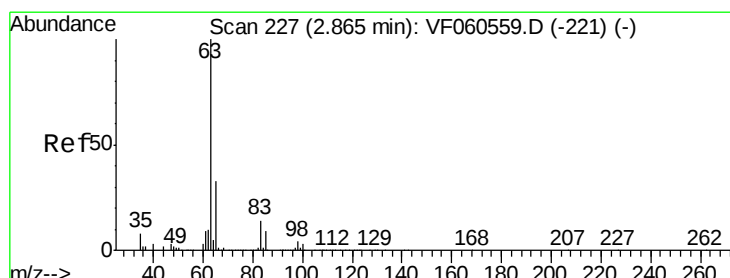
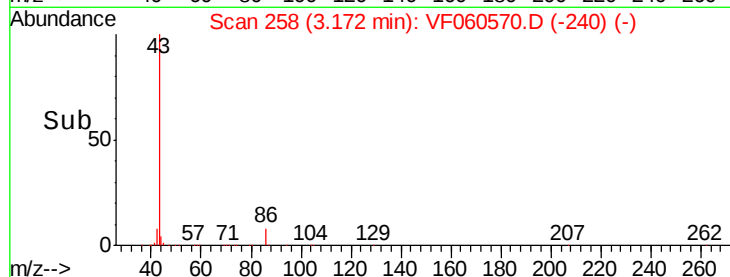
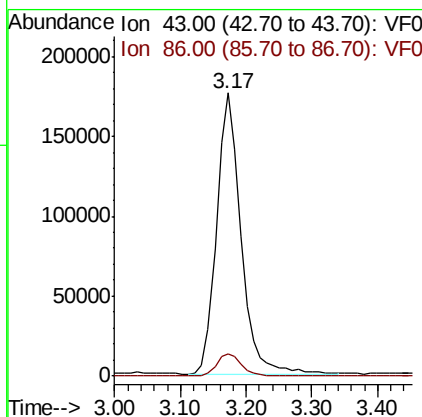
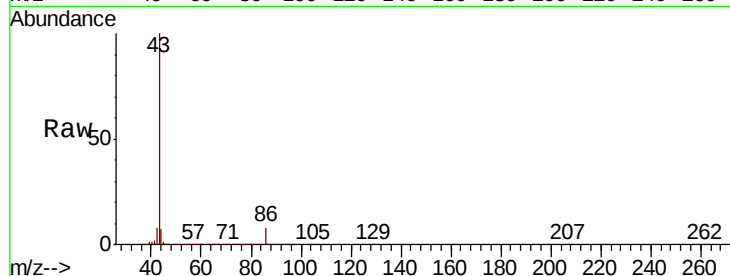
#23
 Vinyl Acetate
 Concen: 109.734 ug/l
 RT: 3.17 min Scan# 258
 Delta R.T. -0.02 min
 Lab File: VF060570.D
 Acq: 5 Nov 2018 13:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1105SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	7.8	7.1	10.7

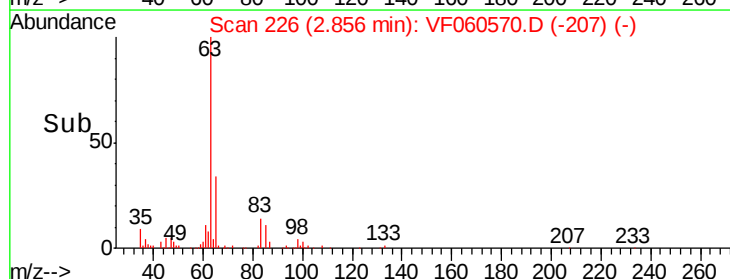
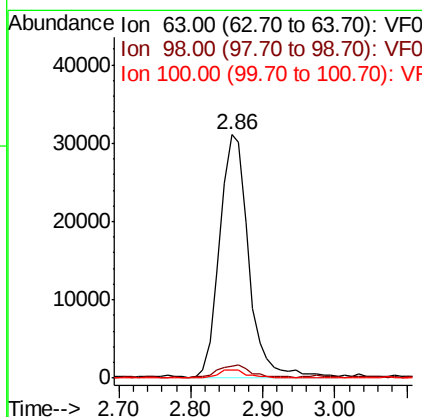
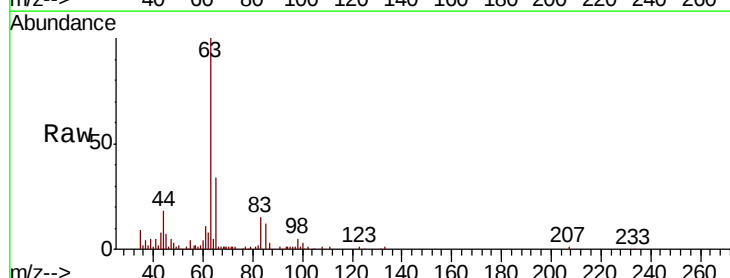
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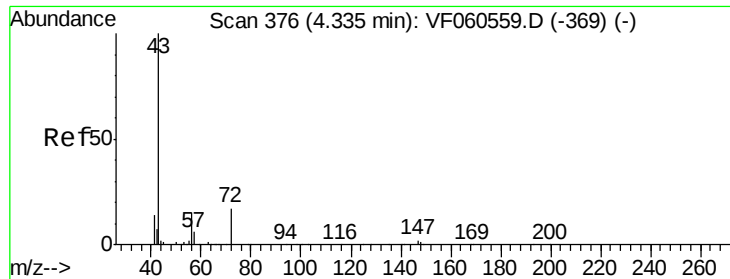
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 11/6/2018 12:53:46 PM



#24
 1,1-Dichloroethane
 Concen: 22.100 ug/l
 RT: 2.86 min Scan# 226
 Delta R.T. -0.01 min
 Lab File: VF060570.D
 Acq: 5 Nov 2018 13:32

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.2	6.6
100	3.3	1.4	4.0





#25

2-Butanone

Concen: 104.029 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.02 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

Instrument :

MSVOA_F

ClientSampleId :

VF1105SBS01

Tot Ion: 43 Resp: 149573

Ion Ratio Lower Upper

43 100

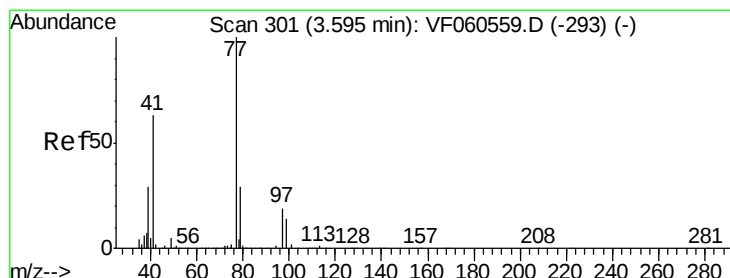
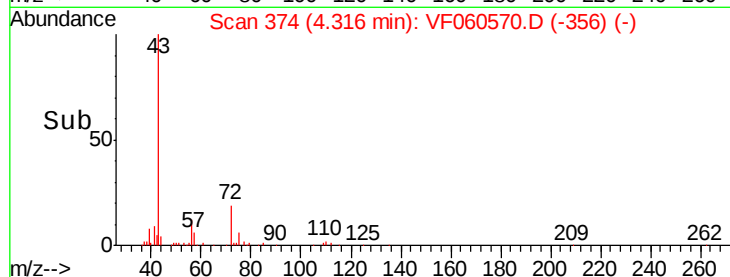
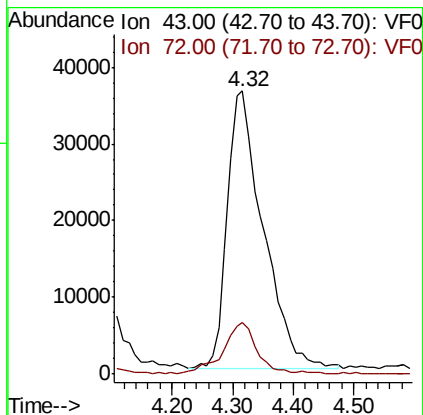
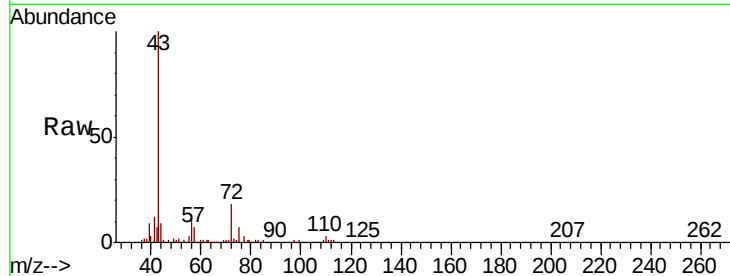
72 18.3 16.2 24.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 23.038 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.01 min

Lab File: VF060570.D

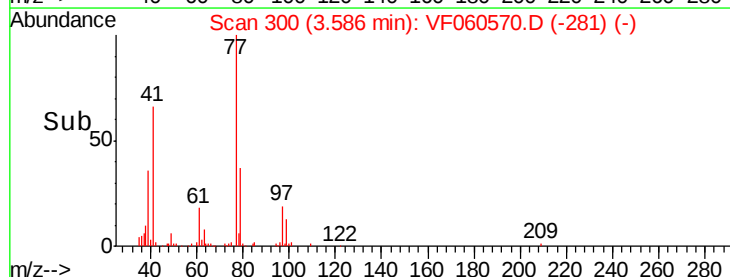
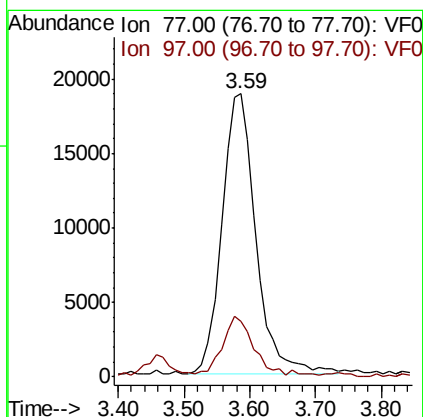
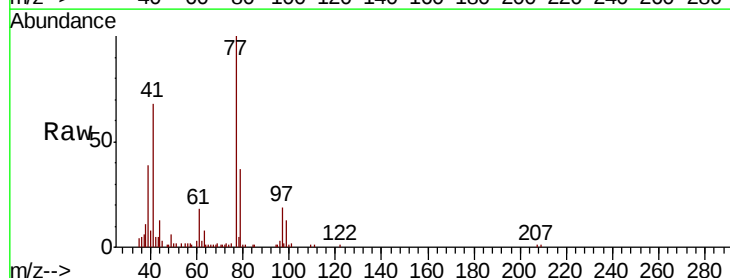
Acq: 5 Nov 2018 13:32

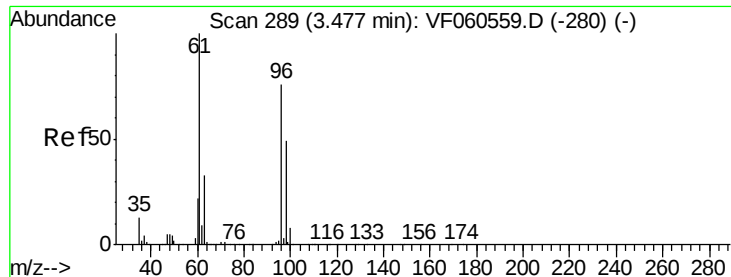
Tgt Ion: 77 Resp: 68228

Ion Ratio Lower Upper

77 100

97 19.5 9.8 29.3





#27

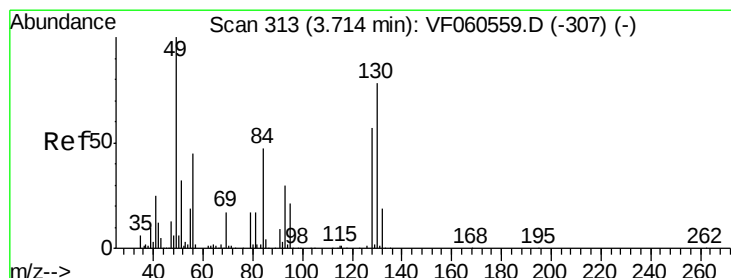
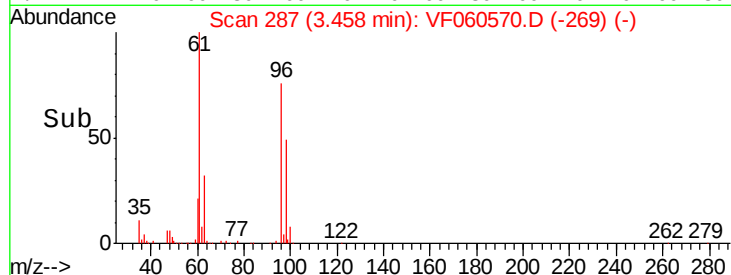
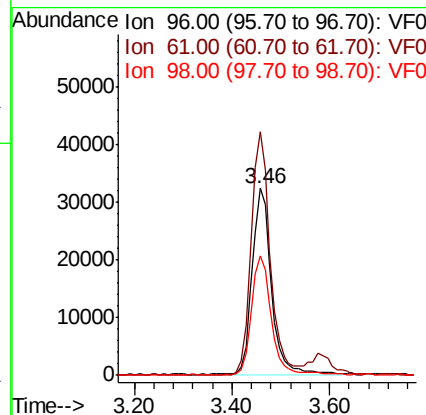
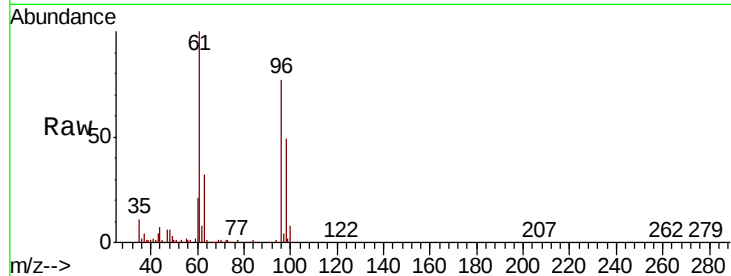
cis-1,2-Dichloroethene
Concen: 23.134 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.02 min
Lab File: VF060570.D
Acq: 5 Nov 2018 13:32

Instrument :
MSVOA_F
ClientSampleId :
VF1105SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	130.3	0.0	263.0	
98	64.0	0.0	130.6	

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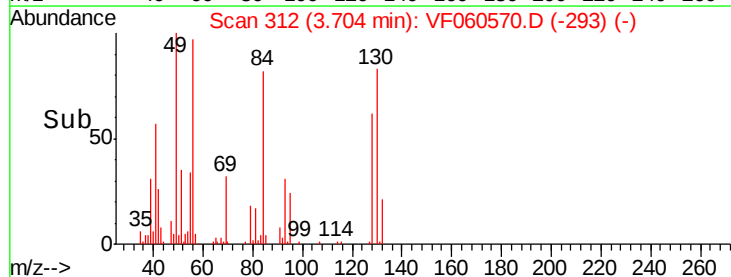
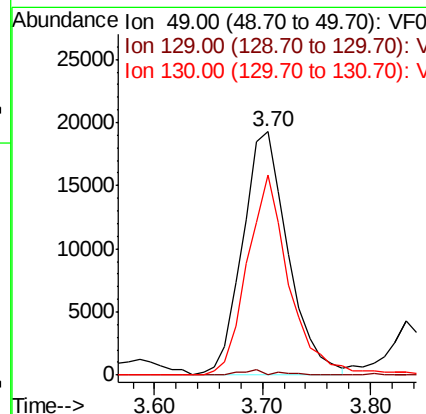
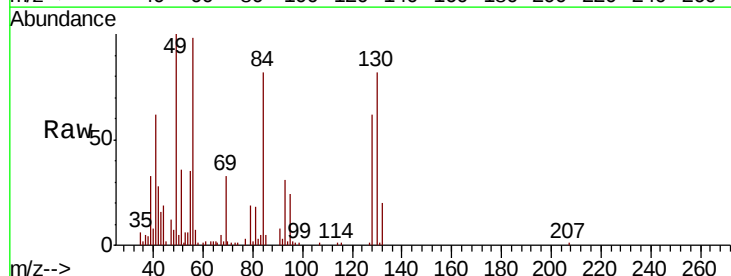
MMDadoda
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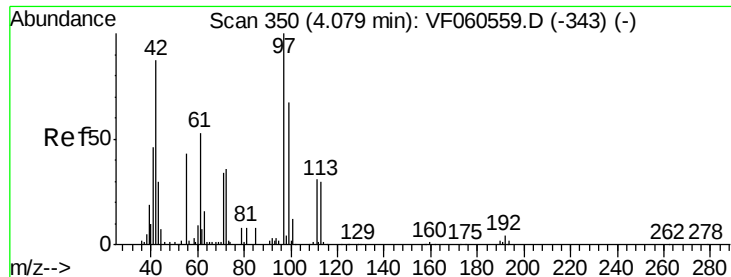


#28

Bromochloromethane
Concen: 22.798 ug/l
RT: 3.70 min Scan# 312
Delta R.T. -0.01 min
Lab File: VF060570.D
Acq: 5 Nov 2018 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.0	0.0	4.6	
130	81.9	61.8	92.8	





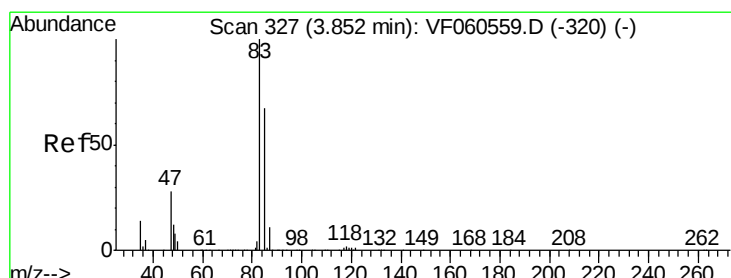
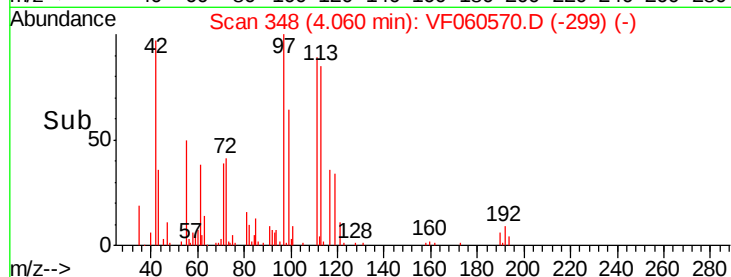
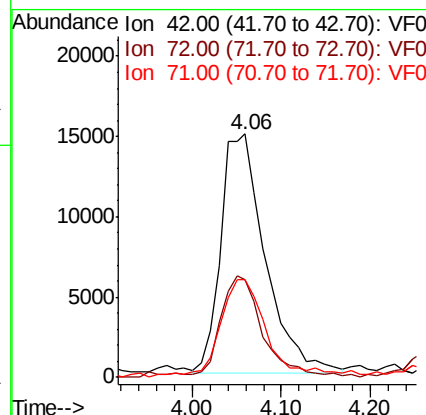
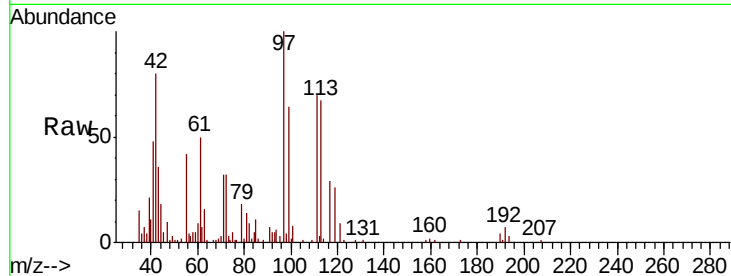
#29
Tetrahydrofuran
Concen: 101.129 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.02 min
Lab File: VF060570.D
Acq: 5 Nov 2018 13:32

Instrument :
MSVOA_F
ClientSampleId :
VF1105SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	31.4	47.0
71	44.1	31.8	47.6

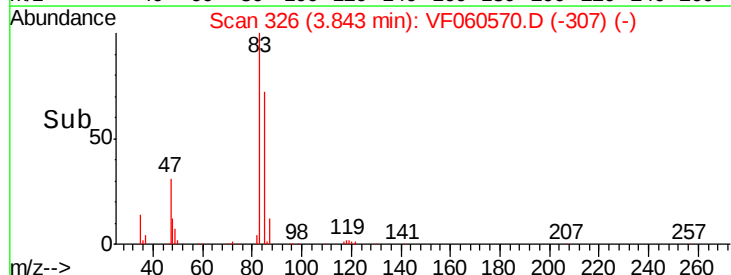
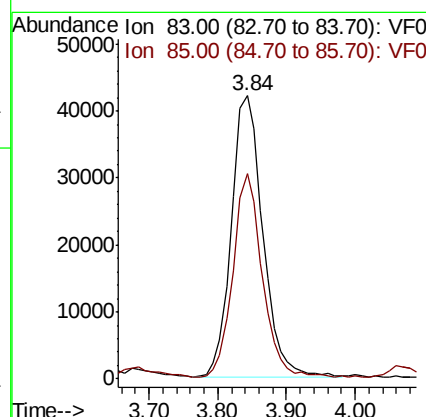
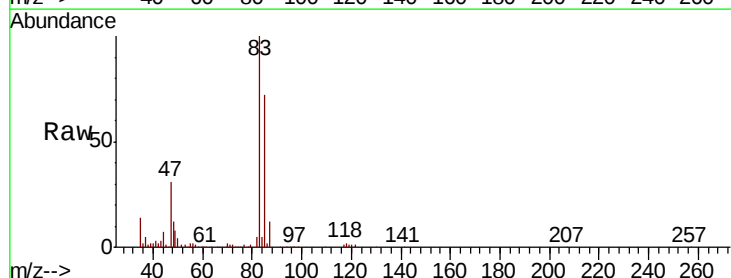
Manual Integrations
APPROVED

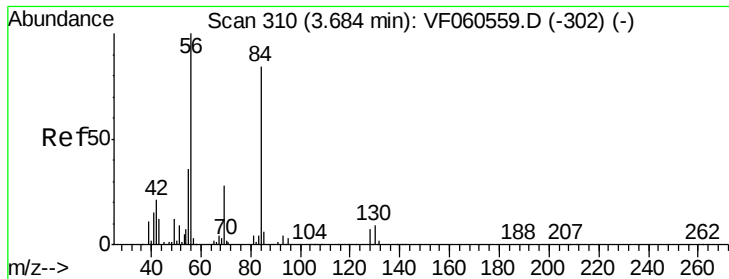
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#30
Chloroform
Concen: 21.214 ug/l
RT: 3.84 min Scan# 326
Delta R.T. -0.01 min
Lab File: VF060570.D
Acq: 5 Nov 2018 13:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	72.4	53.7	80.5





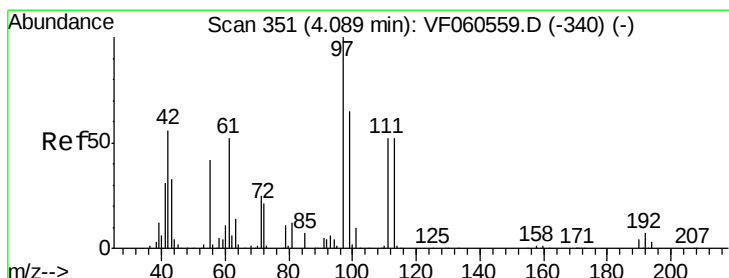
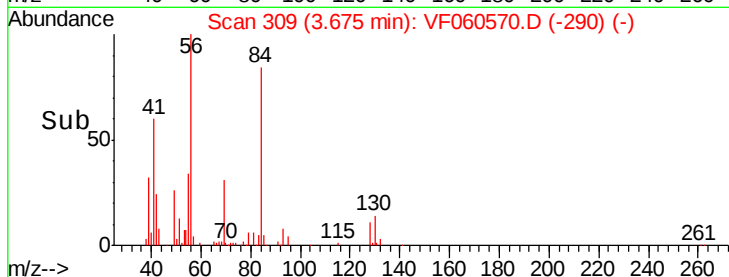
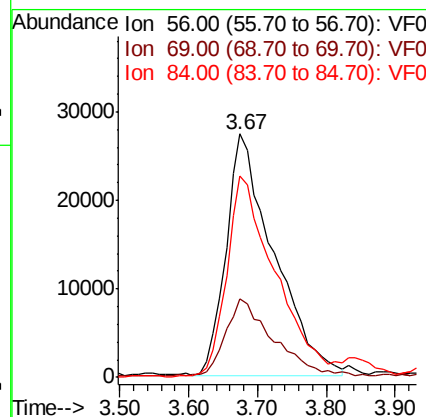
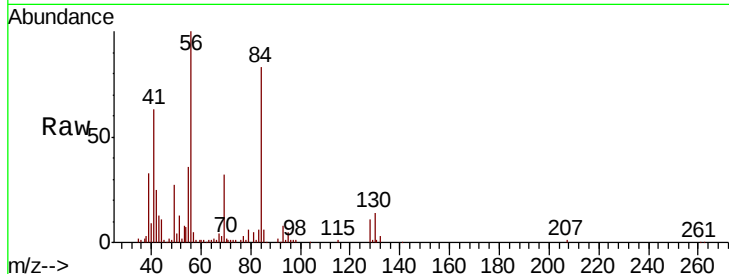
#31
Cyclohexane
Concen: 23.873 ug/l
RT: 3.67 min Scan# 309
Delta R.T. -0.01 min
Lab File: VF060570.D
Acq: 5 Nov 2018 13:32

Instrument :
MSVOA_F
ClientSampleId :
VF1105SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	23.0	34.4
84	82.9	67.1	100.7

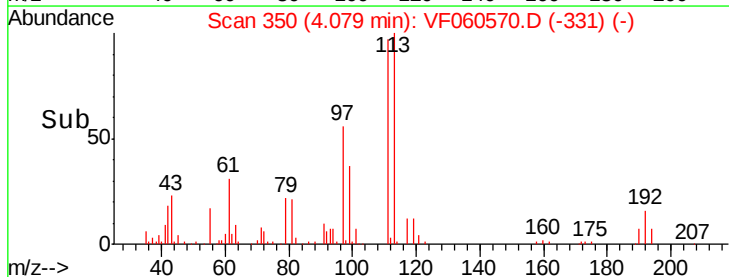
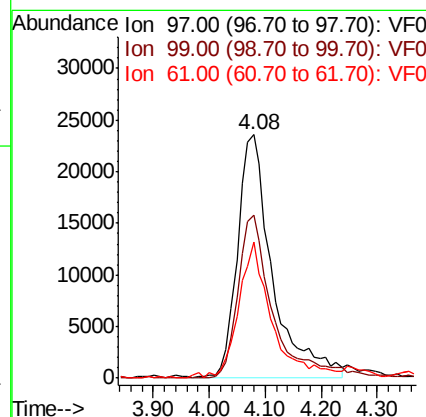
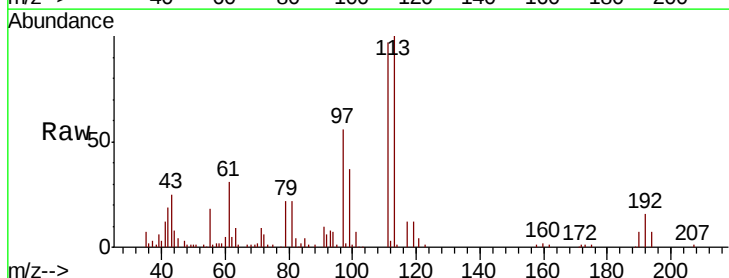
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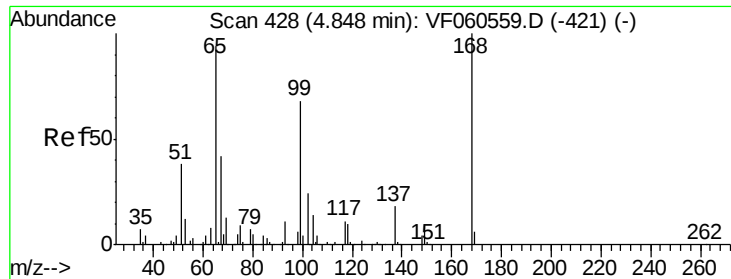
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#32
1,1,1-Trichloroethane
Concen: 23.540 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.01 min
Lab File: VF060570.D
Acq: 5 Nov 2018 13:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.7	52.4	78.6
61	55.8	41.5	62.3





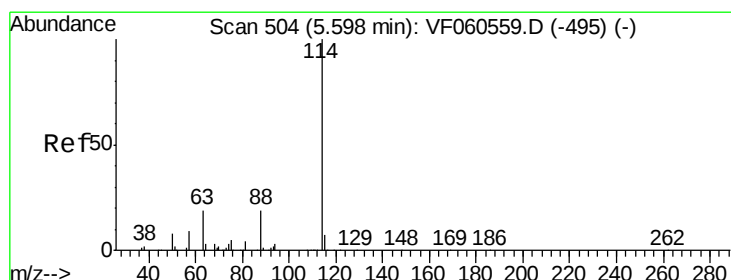
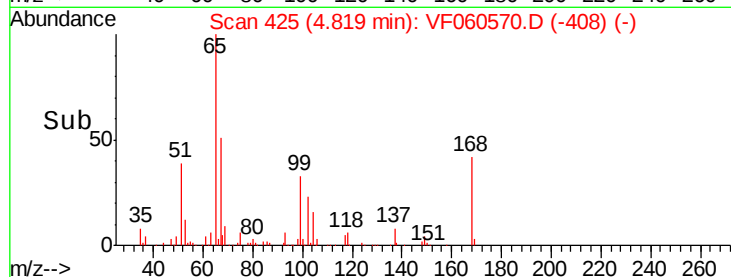
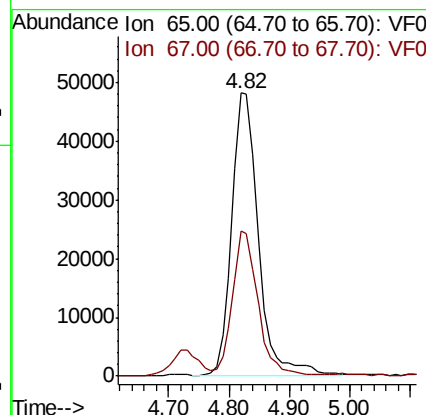
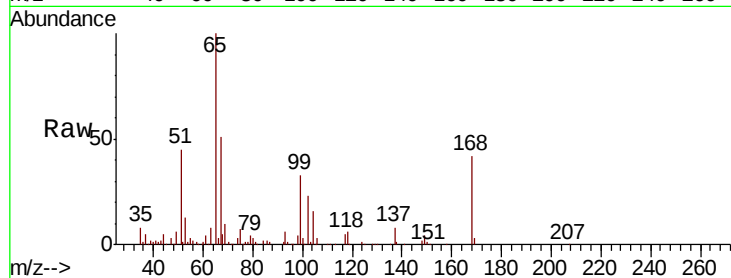
#33
 1,2-Dichloroethane-d4
 Concen: 54.125 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.03 min
 Lab File: VF060570.D
 Acq: 5 Nov 2018 13:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1105SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	148813		
67	51.3	0.0	101.8	

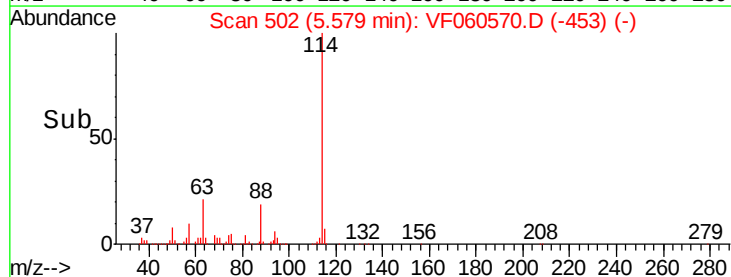
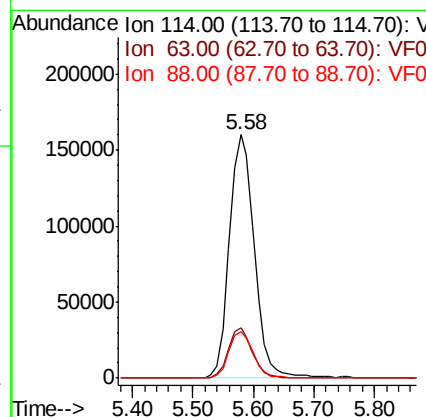
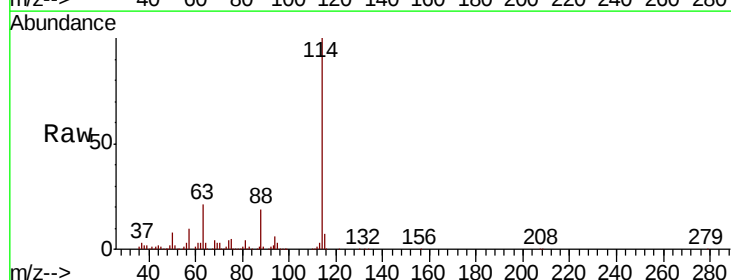
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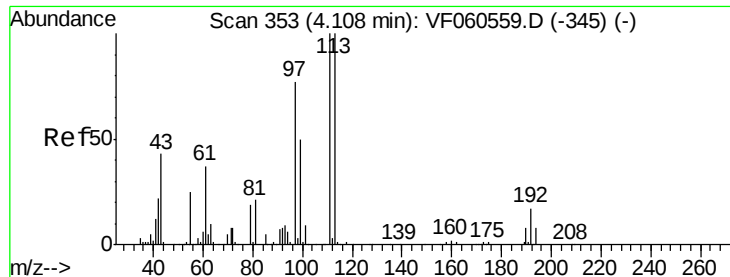
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.02 min
 Lab File: VF060570.D
 Acq: 5 Nov 2018 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	459906		
63	20.6	0.0	39.0	
88	19.0	0.0	38.2	





#35

Dibromofluoromethane

Concen: 50.183 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

Instrument :

MSVOA_F

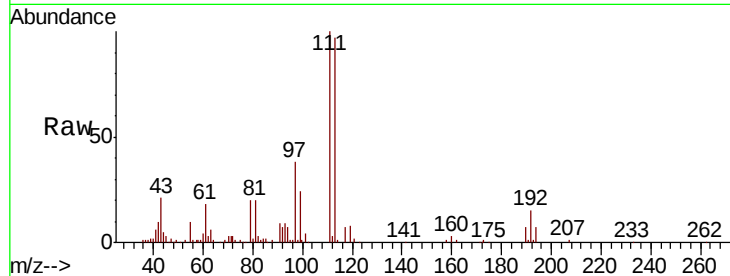
ClientSampleId :

VF1105SBS01

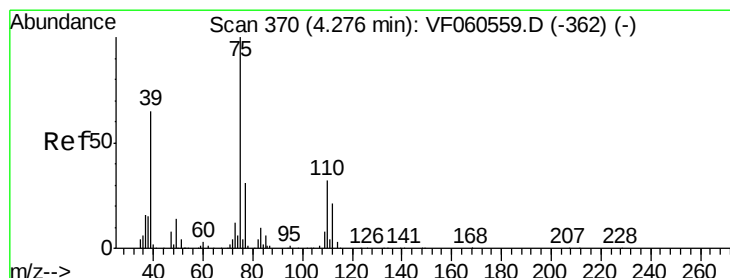
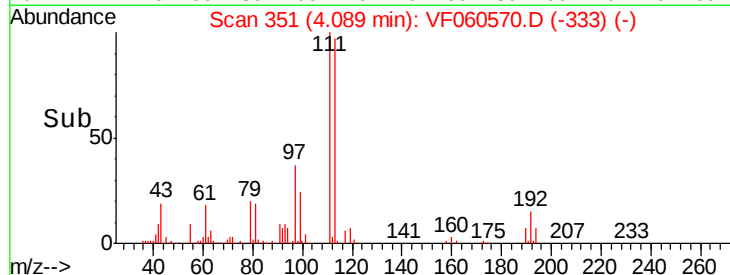
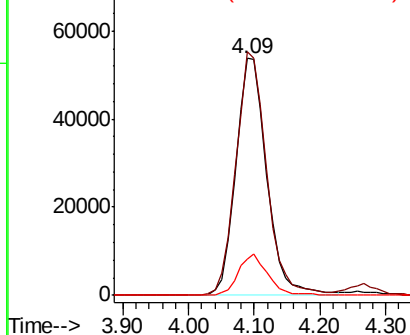
Tot Ion:	113	Resp:	178310
Ion Ratio	Lower	Upper	
113	100		
111	102.7	79.9	119.9
192	15.2	13.3	19.9

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Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 21.681 ug/l

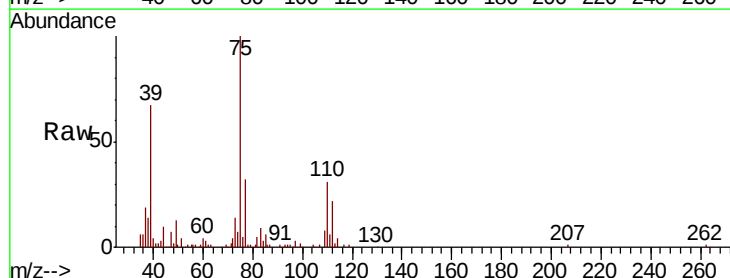
RT: 4.26 min Scan# 368

Delta R.T. -0.02 min

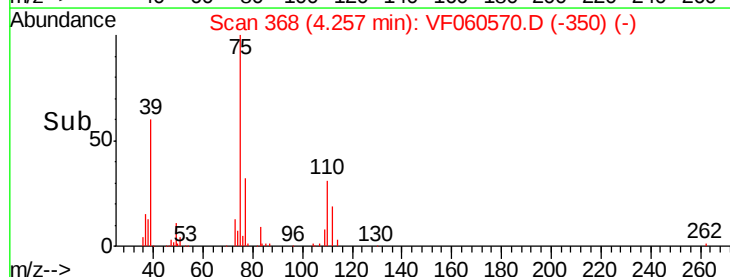
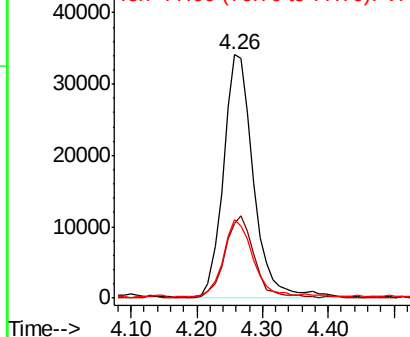
Lab File: VF060570.D

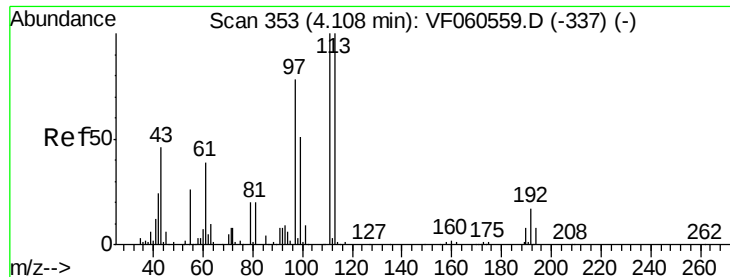
Acq: 5 Nov 2018 13:32

Tgt Ion:	75	Resp:	109788
Ion Ratio	Lower	Upper	
75	100		
110	30.8	16.2	48.6
77	32.0	25.0	37.6



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VF0





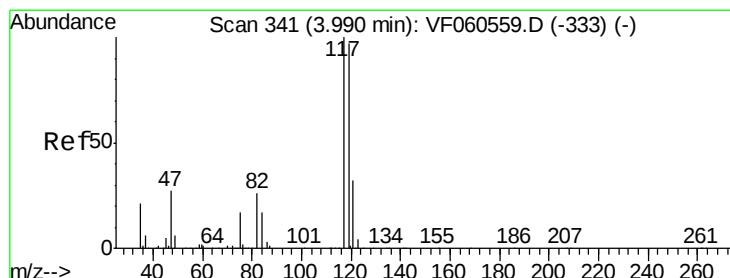
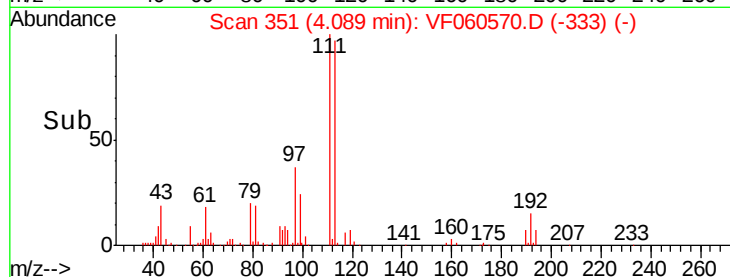
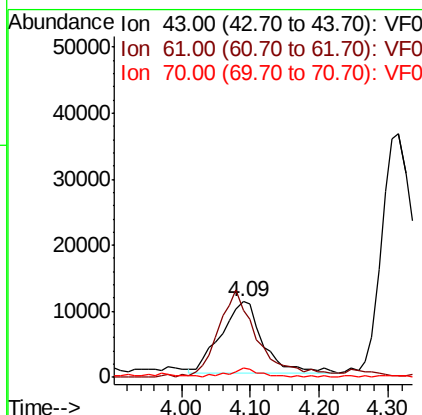
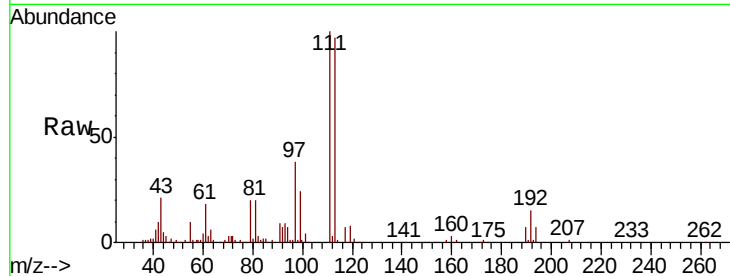
#37
Ethyl Acetate
Concen: 18.649 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.02 min
Lab File: VF060570.D
Acq: 5 Nov 2018 13:32

Instrument :
MSVOA_F
ClientSampleId :
VF1105SBS01

Tot Ion	43	61	70	Ratio	Lower	Upper	Resp
45334	100	88.4	12.9				
		63.4	9.3				
		95.2	13.9				

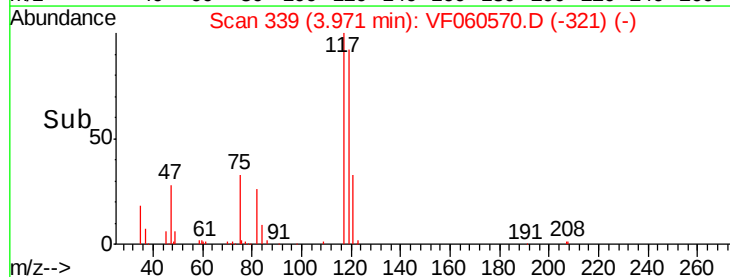
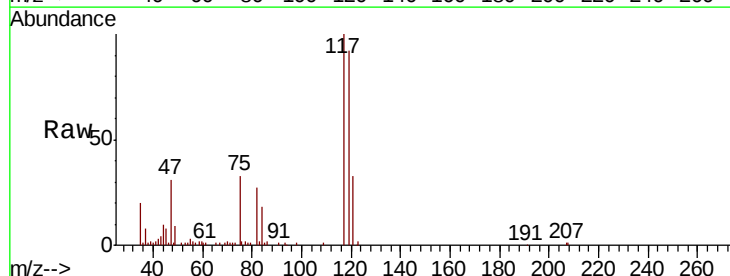
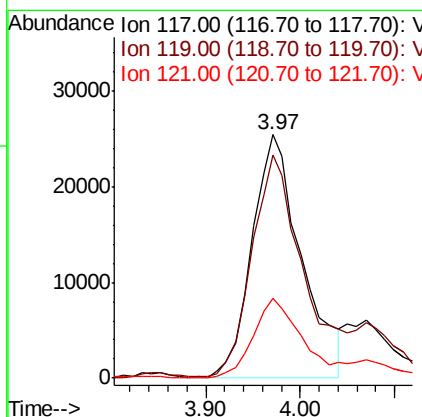
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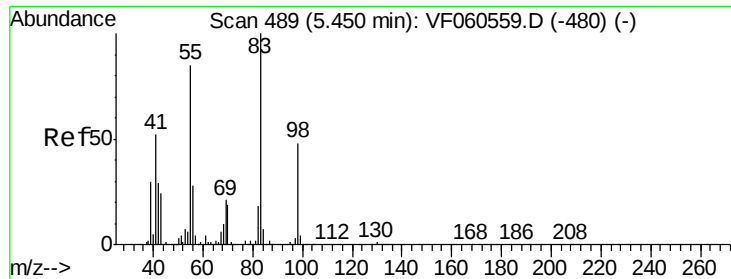
MMDadoda
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#38
Carbon Tetrachloride
Concen: 21.411 ug/l
RT: 3.97 min Scan# 339
Delta R.T. -0.02 min
Lab File: VF060570.D
Acq: 5 Nov 2018 13:32

Tgt Ion	117	119	121	Ratio	Lower	Upper	Resp
92646	100	91.6	32.7				
		77.8	25.6				
		116.6	38.4				





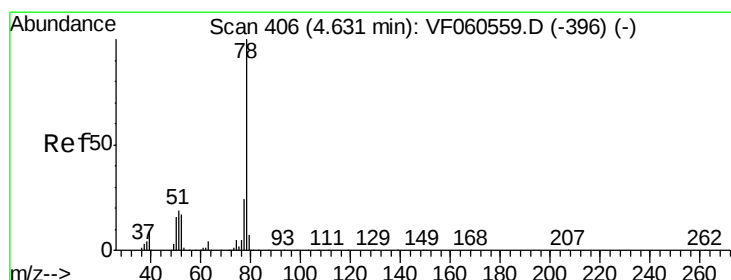
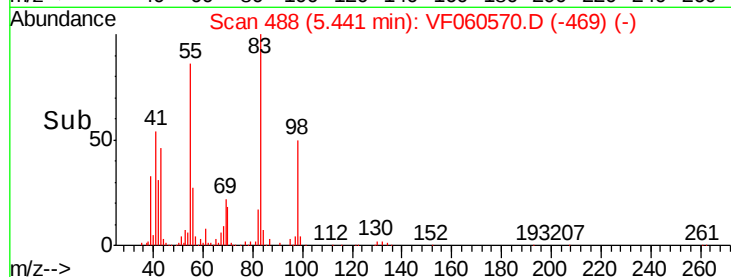
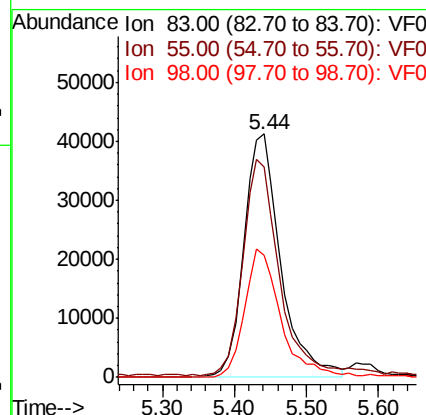
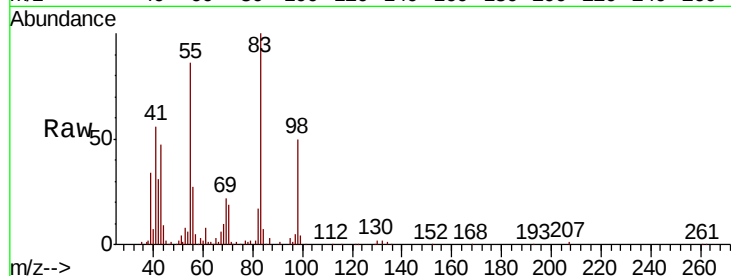
#39
Methvlcvclohexane
Concen: 23.558 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.01 min
Lab File: VF060570.D
Acq: 5 Nov 2018 13:32

Instrument :
MSVOA_F
ClientSampleId :
VF1105SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.2	69.1	103.7
98	50.0	38.6	57.8

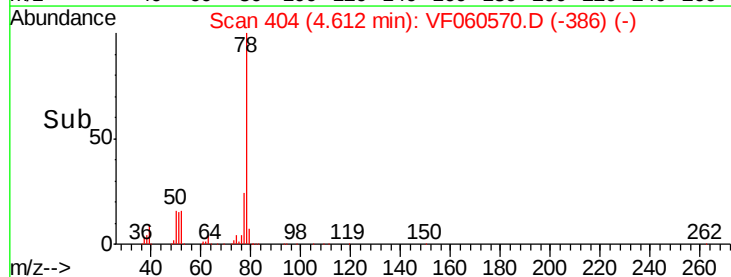
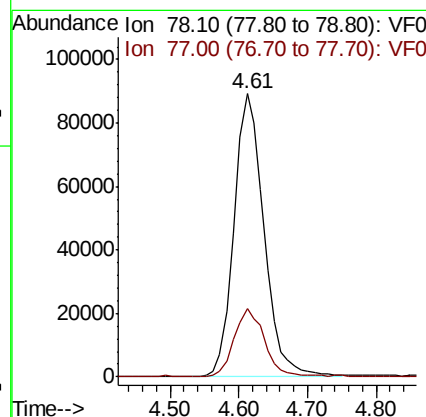
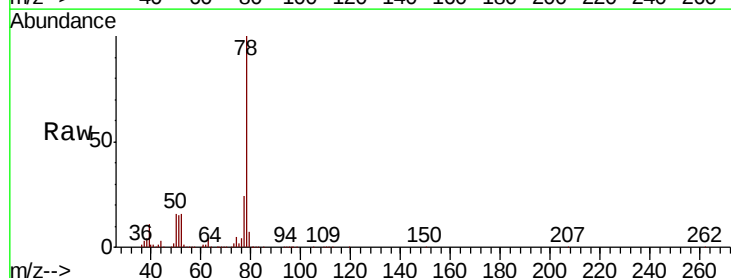
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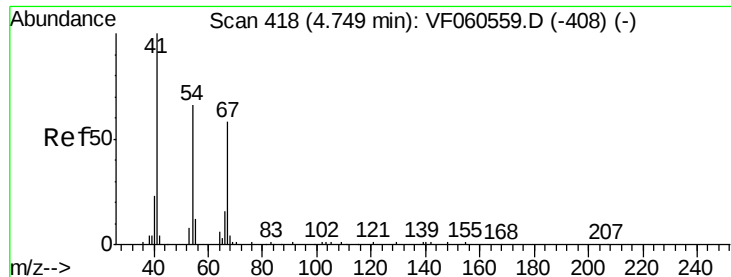
MMDadoda
11/6/2018 12:53:46 PM



#40
Benzene
Concen: 21.802 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.02 min
Lab File: VF060570.D
Acq: 5 Nov 2018 13:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.3	28.9





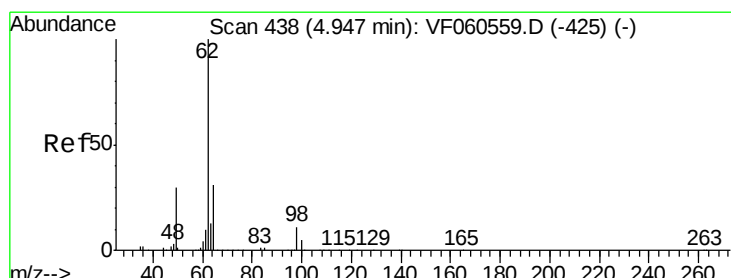
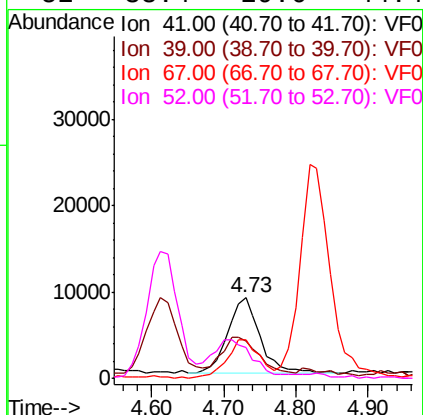
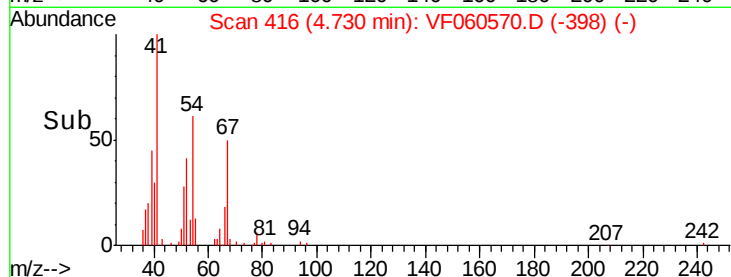
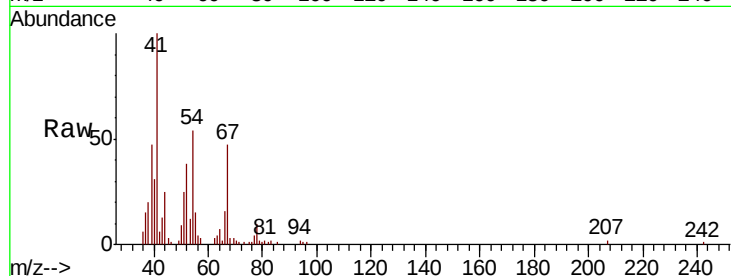
#41
Methacrylonitrile
Concen: 19.496 ug/l
RT: 4.73 min Scan# 416
Delta R.T. -0.02 min
Lab File: VF060570.D
Acq: 5 Nov 2018 13:32

Instrument :
MSVOA_F
ClientSampleId :
VF1105SBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	46.5	45.6	68.4	
67	47.3	45.3	67.9	
52	38.4	29.6	44.4	

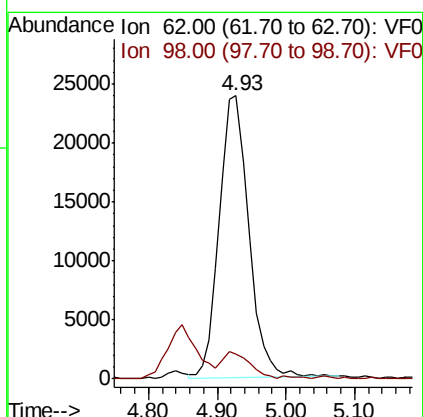
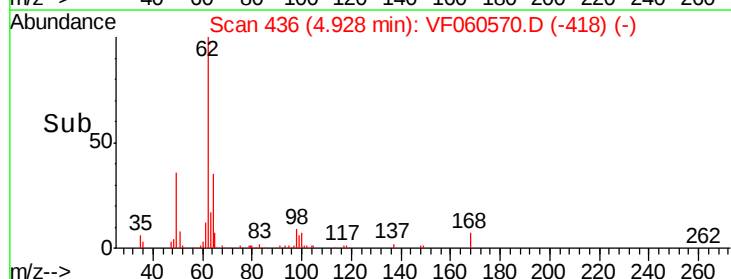
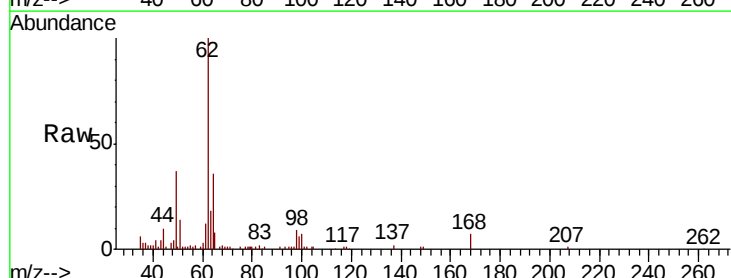
Manual Integrations
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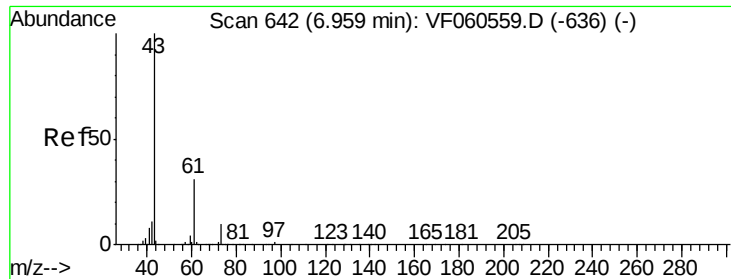
MMDadoda
11/6/2018 12:53:46 PM



#42
1,2-Dichloroethane
Concen: 20.163 ug/l
RT: 4.93 min Scan# 436
Delta R.T. -0.02 min
Lab File: VF060570.D
Acq: 5 Nov 2018 13:32

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	22.4	





#43

Isopropyl Acetate

Concen: 17.920 ug/l

RT: 6.94 min Scan# 640

Delta R.T. -0.02 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

Instrument :

MSVOA_F

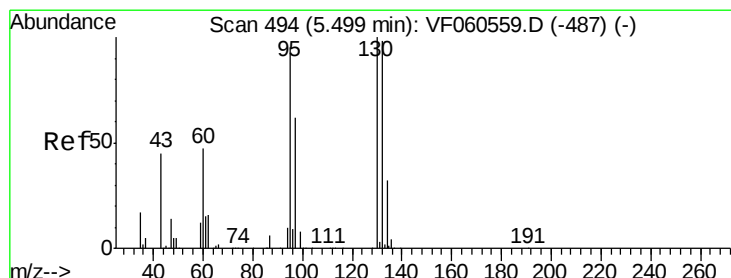
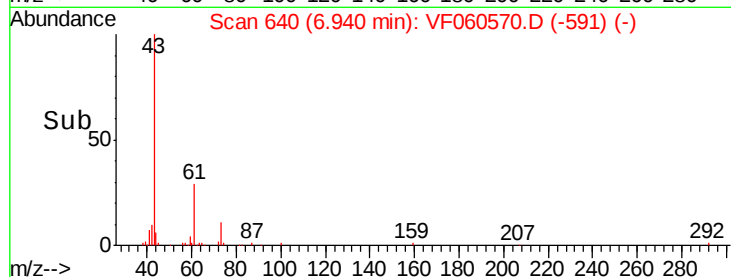
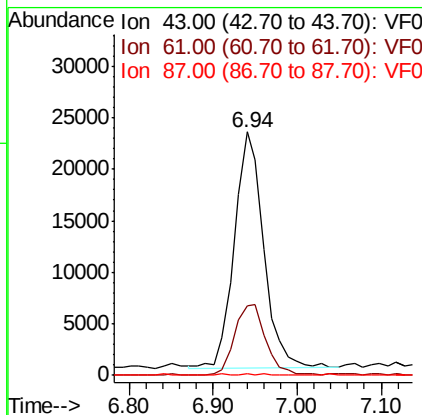
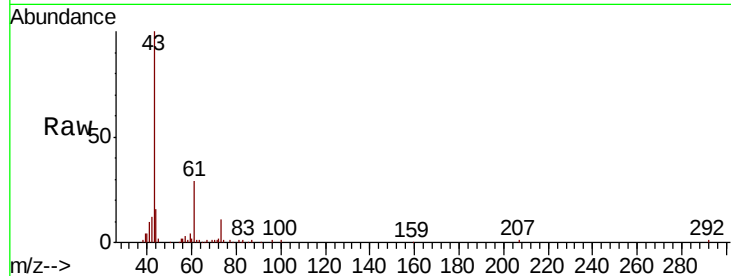
ClientSampleId :

VF1105SBS01

Tot Ion:	43	Resp:	55100
Ion	Ratio	Lower	Upper
43	100		
61	28.5	24.2	36.2
87	0.7	0.2	0.4

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#44

Trichloroethene

Concen: 21.531 ug/l

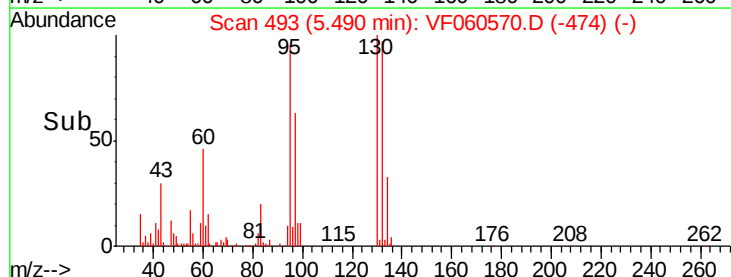
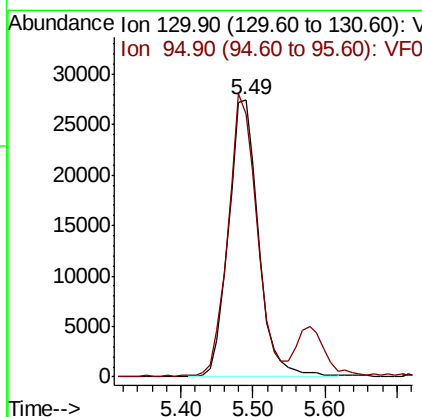
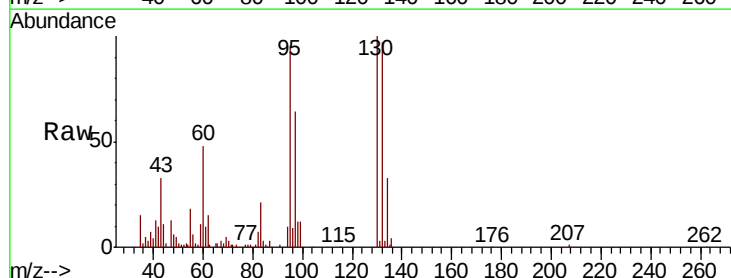
RT: 5.49 min Scan# 493

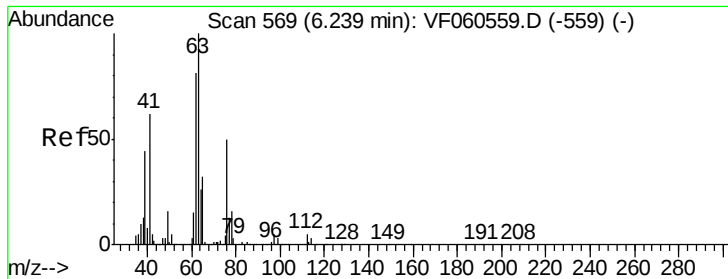
Delta R.T. -0.01 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

Tgt Ion:	130	Resp:	79540
Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	191.0





#45

1,2-Dichloropropane

Concen: 21.887 ug/l

RT: 6.21 min Scan# 566

Delta R.T. -0.03 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

Instrument :

MSVOA_F

ClientSampleId :

VF1105SBS01

Tot Ion: 63 Resp: 68807

Ion Ratio Lower Upper

63 100

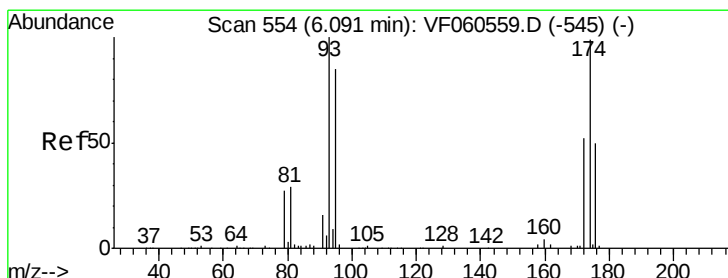
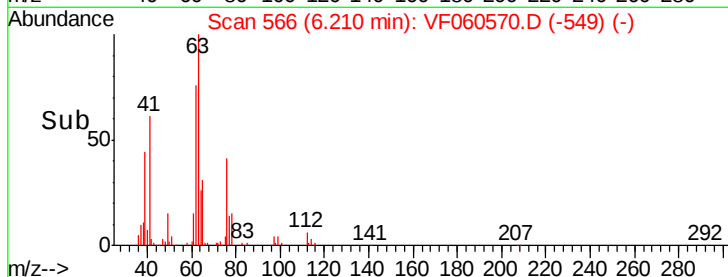
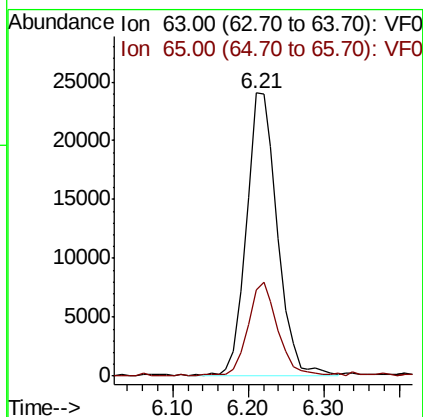
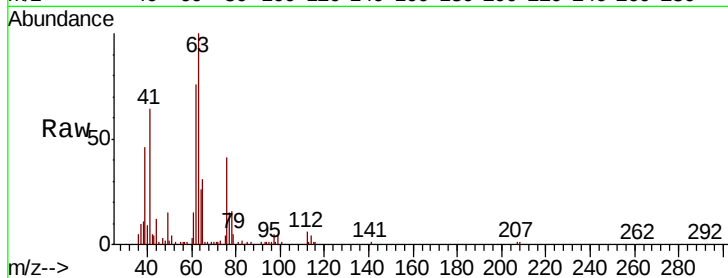
65 30.6 25.4 38.0

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#46

Dibromomethane

Concen: 19.963 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.02 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

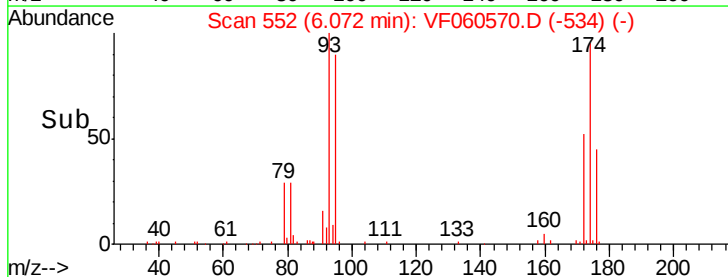
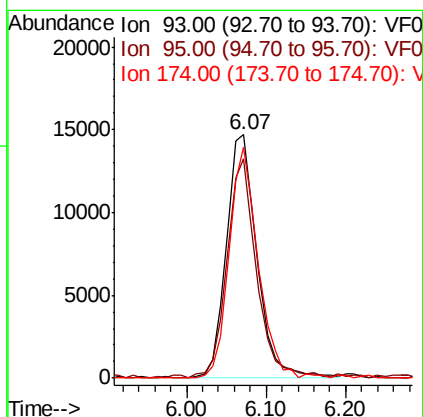
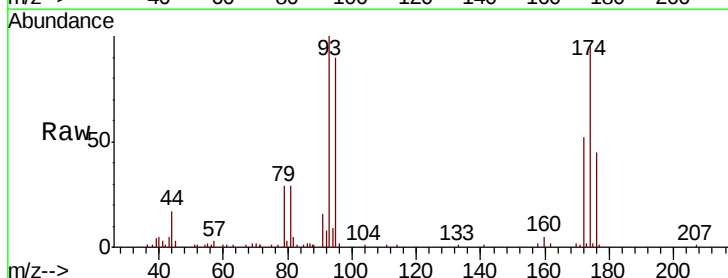
Tgt Ion: 93 Resp: 39814

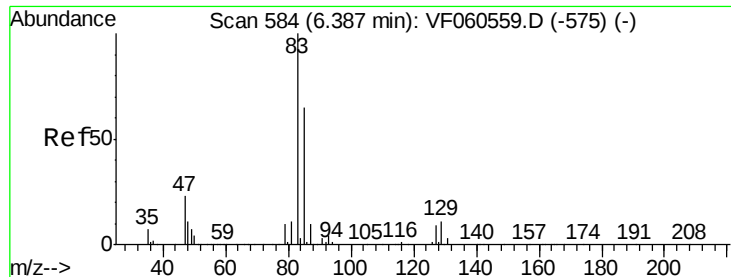
Ion Ratio Lower Upper

93 100

95 89.9 68.6 102.8

174 94.9 79.0 118.4





#47

Bromodichloromethane

Concen: 21.387 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.02 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

Instrument :

MSVOA_F

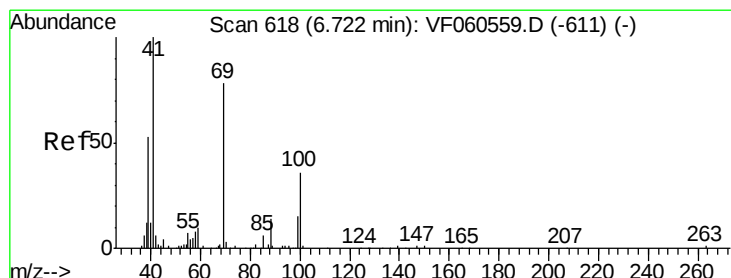
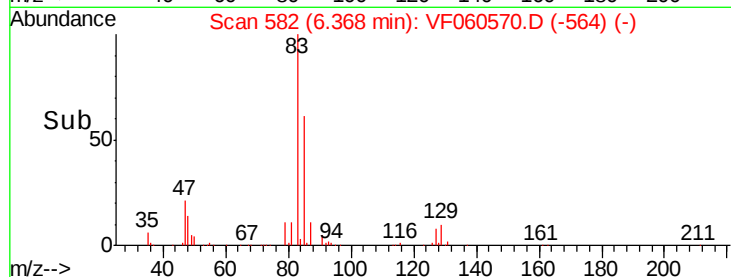
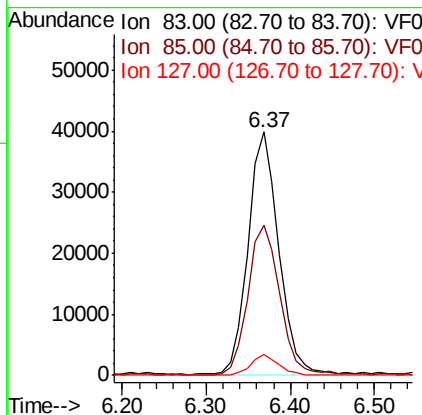
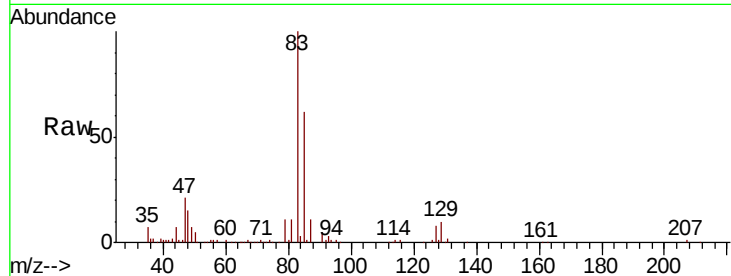
ClientSampleId :

VF1105SBS01

Tot Ion:	83	Resp:	102882
Ion	Ratio	Lower	Upper
83	100		
85	61.5	51.8	77.6
127	8.5	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.623 ug/l

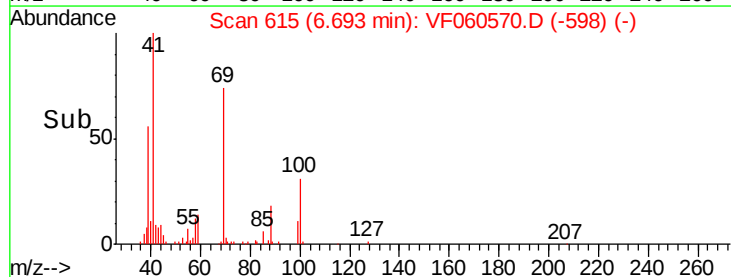
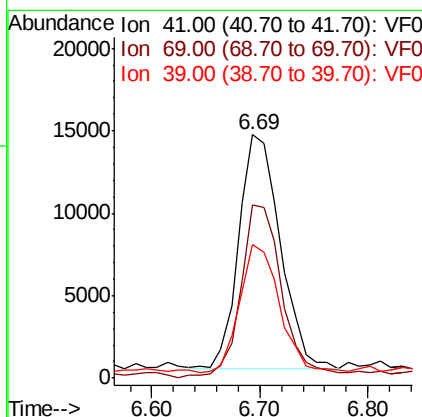
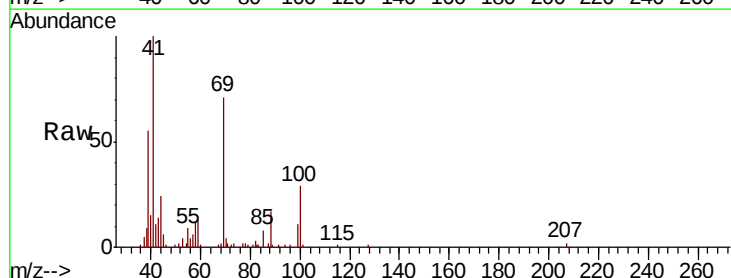
RT: 6.69 min Scan# 615

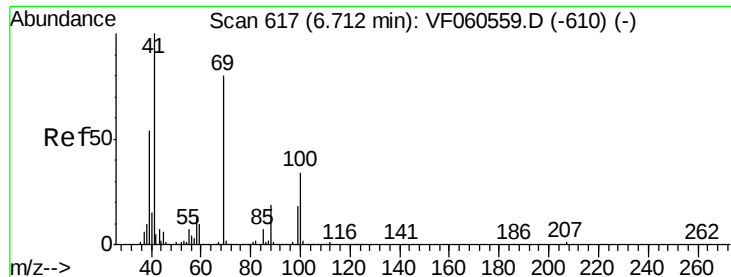
Delta R.T. -0.03 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

Tgt Ion:	41	Resp:	37921
Ion	Ratio	Lower	Upper
41	100		
69	70.9	61.1	91.7
39	54.9	43.0	64.6





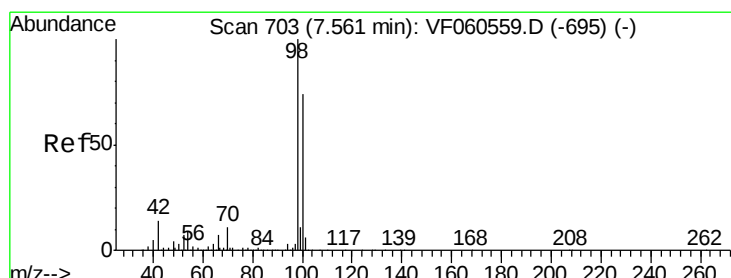
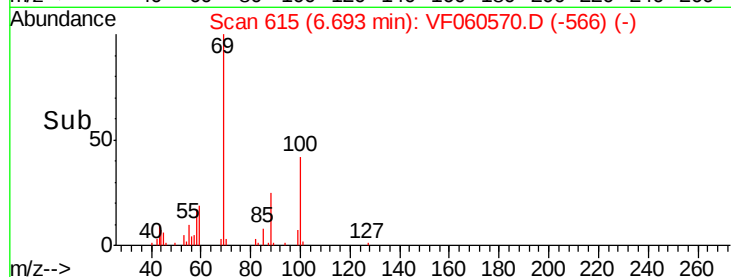
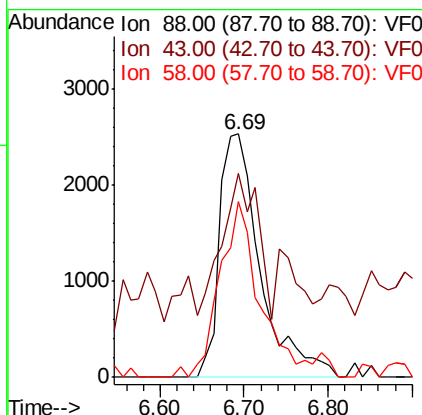
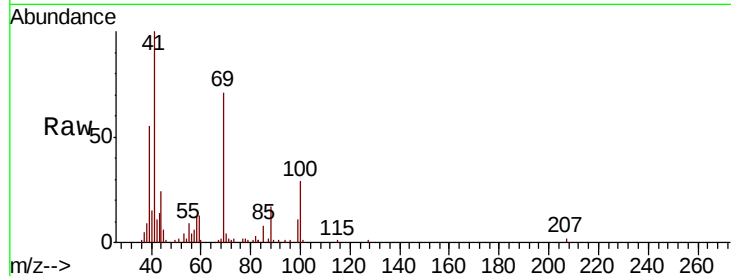
#49
1,4-Dioxane
Concen: 423.286 ug/l
RT: 6.69 min Scan# 615
Delta R.T. -0.02 min
Lab File: VF060570.D
Acq: 5 Nov 2018 13:32

Instrument :
MSVOA_F
ClientSampleId :
VF1105SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	8557		
43	83.8		61.2	91.8
58	72.0		56.9	85.3

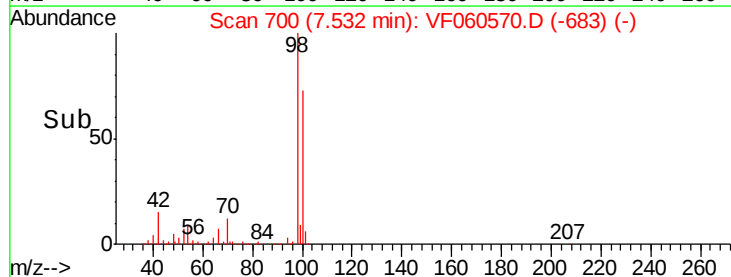
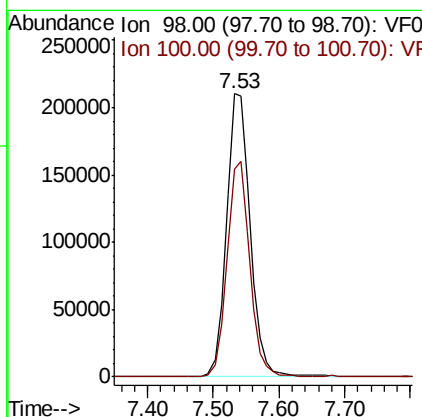
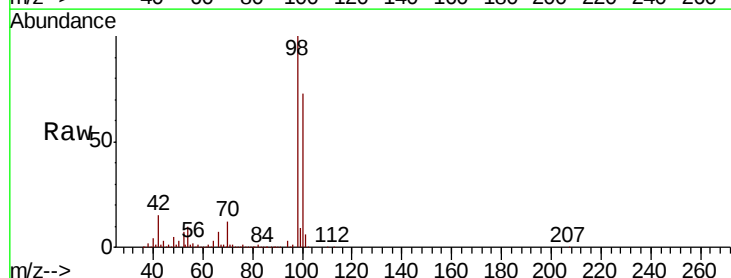
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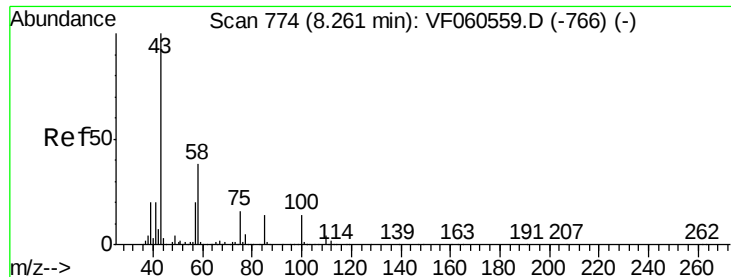
MMDadoda
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#50
Toluene-d8
Concen: 50.494 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.03 min
Lab File: VF060570.D
Acq: 5 Nov 2018 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	531488		
100	73.2		59.4	89.2





#51

4-Methyl-2-Pentanone

Concen: 105.193 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.02 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

Instrument :

MSVOA_F

ClientSampleId :

VF1105SBS01

Tot Ion: 43 Resp: 217508

Ion Ratio Lower Upper

43 100

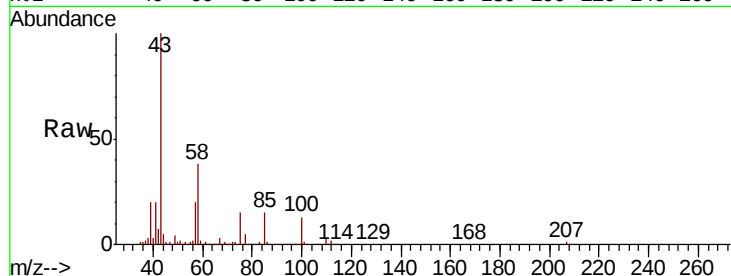
58 37.7 30.1 45.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.24

100000

80000

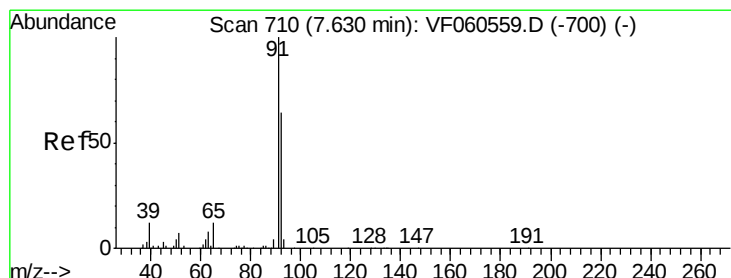
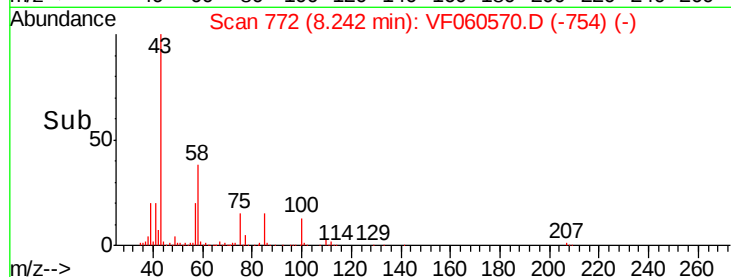
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 20.662 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.02 min

Lab File: VF060570.D

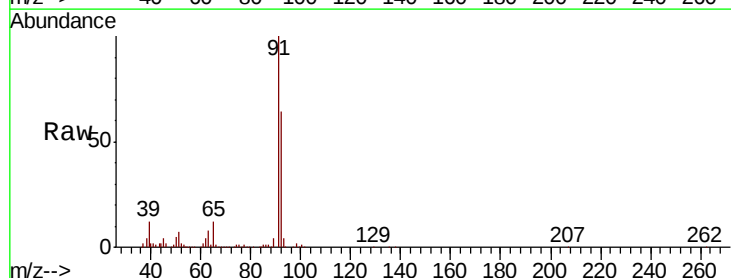
Acq: 5 Nov 2018 13:32

Tgt Ion: 92 Resp: 165444

Ion Ratio Lower Upper

92 100

91 157.0 124.5 186.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.61

120000

100000

80000

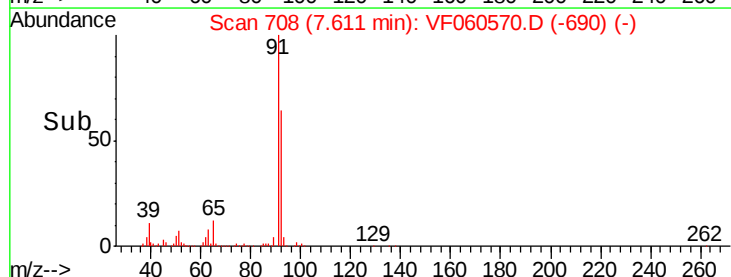
60000

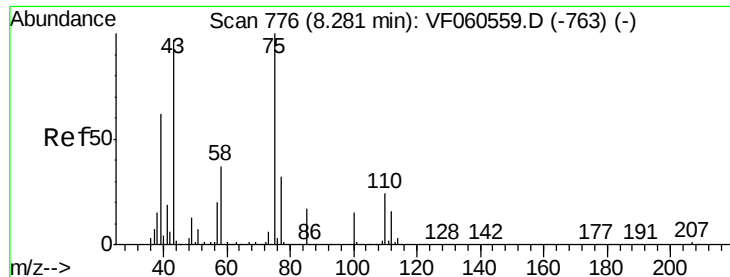
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.265 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.02 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

Instrument :

MSVOA_F

ClientSampleId :

VF1105SBS01

Tot Ion: 75 Resp: 84727

Ion Ratio Lower Upper

75 100

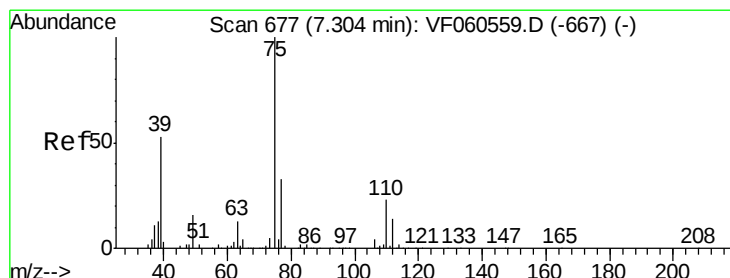
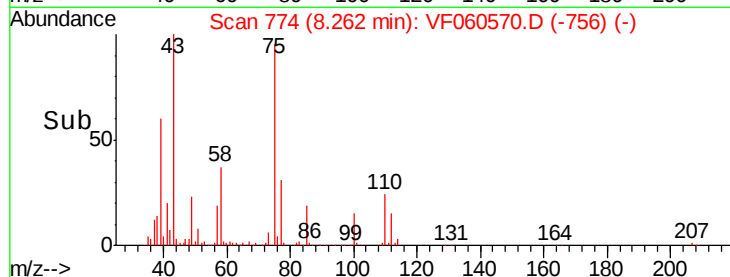
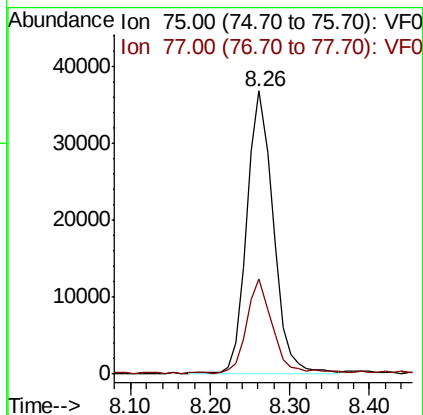
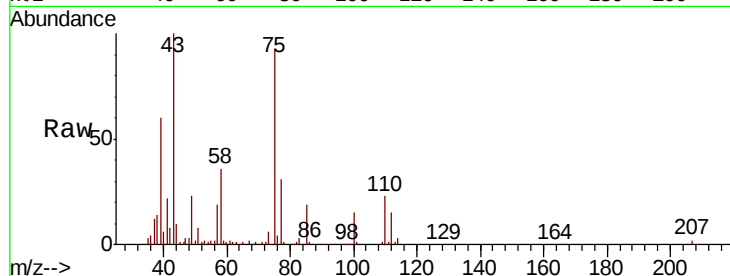
77 33.5 25.7 38.5

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#54

cis-1,3-Dichloropropene

Concen: 21.124 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.02 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

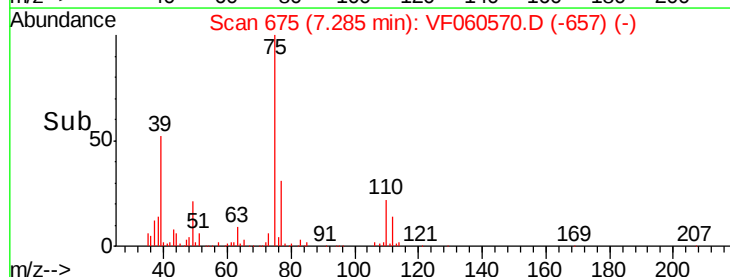
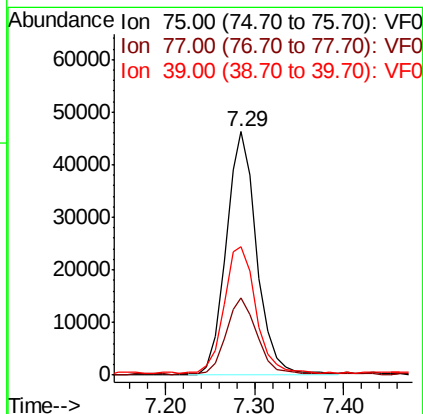
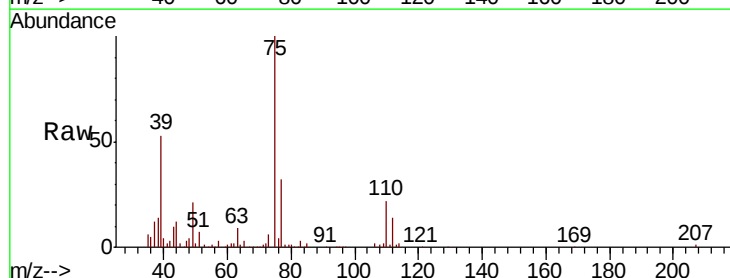
Tgt Ion: 75 Resp: 111586

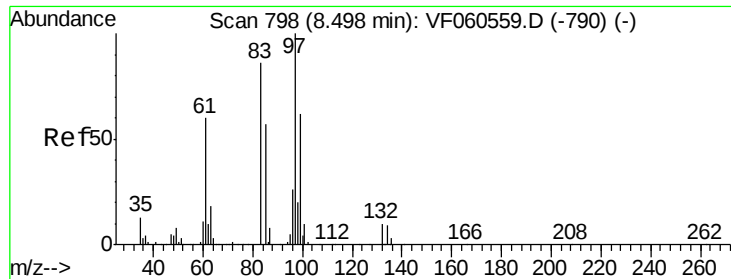
Ion Ratio Lower Upper

75 100

77 31.7 26.7 40.1

39 52.8 43.0 64.4





#55

1,1,2-Trichloroethane

Concen: 19.951 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.02 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

Instrument :

MSVOA_F

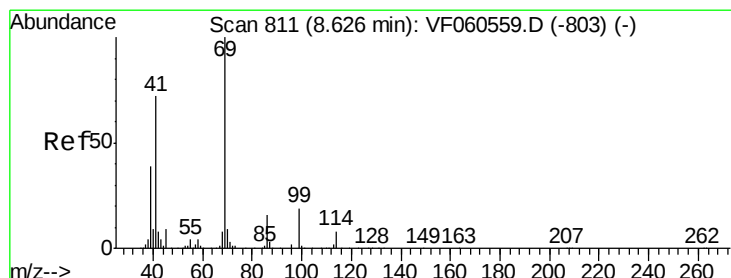
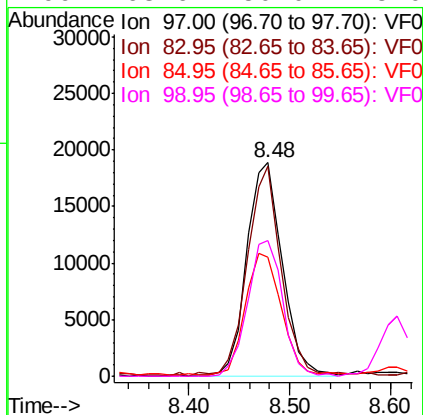
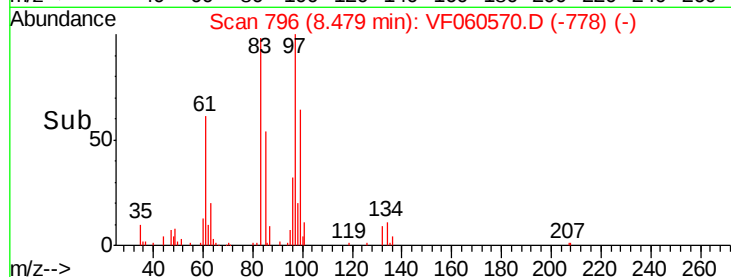
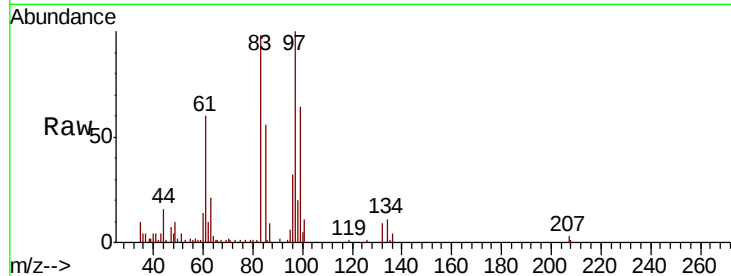
ClientSampleId :

VF1105SBS01

Tot Ion:	97	Resp:	46485
Ion Ratio	Lower	Upper	
97	100		
83	98.3	69.4	104.0
85	55.5	46.6	69.8
99	63.6	50.0	75.0

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#56

Ethyl methacrylate

Concen: 19.355 ug/l

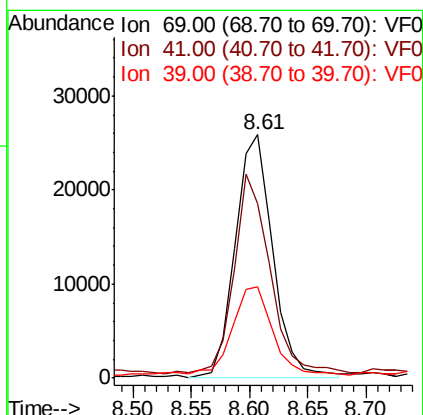
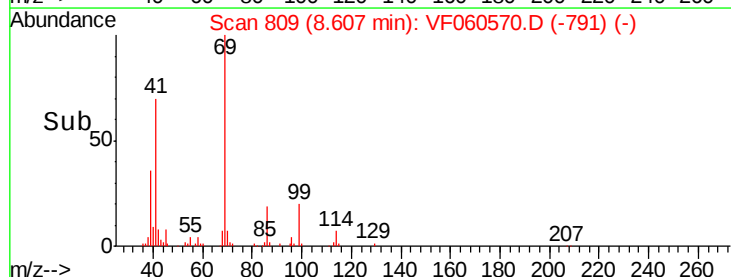
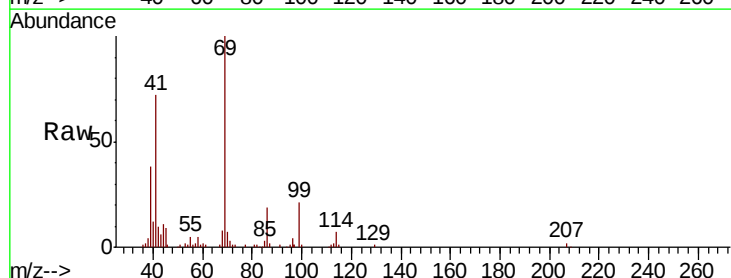
RT: 8.61 min Scan# 809

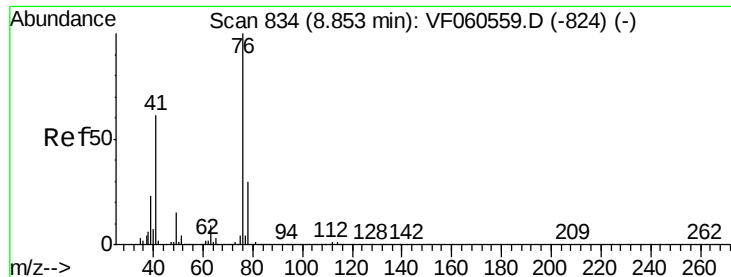
Delta R.T. -0.02 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

Tgt Ion:	69	Resp:	58021
Ion Ratio	Lower	Upper	
69	100		
41	71.9	59.2	88.8
39	37.6	32.3	48.5





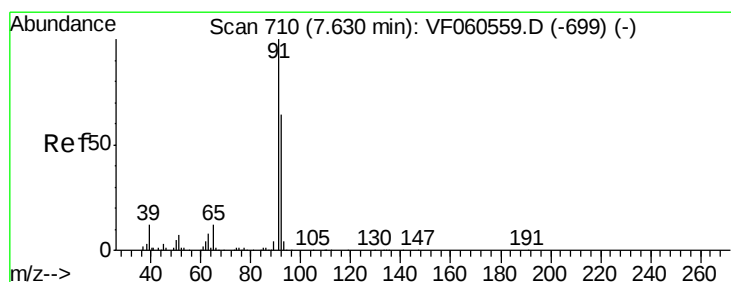
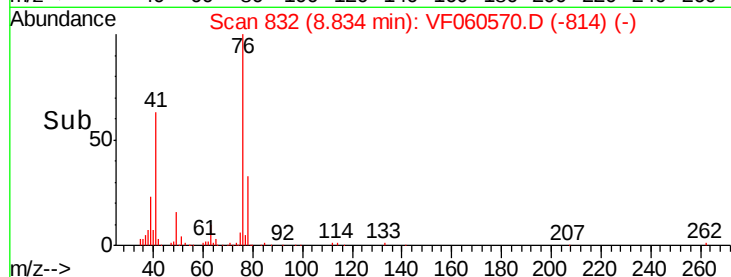
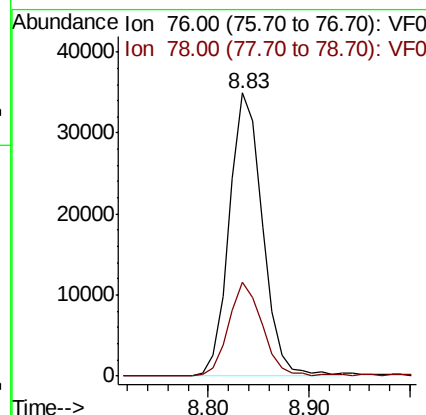
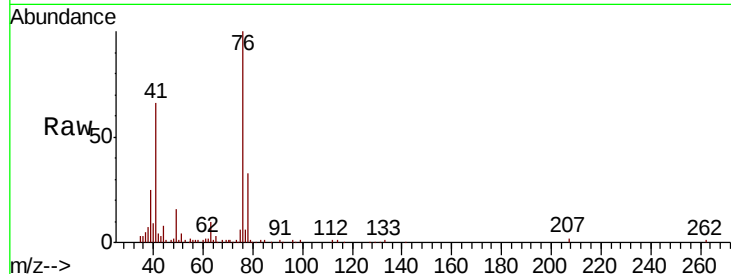
#57
 1,3-Dichloropropane
 Concen: 19.581 ug/l
 RT: 8.83 min Scan# 832
 Delta R.T. -0.02 min
 Lab File: VF060570.D
 Acq: 5 Nov 2018 13:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1105SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	24.2	36.4

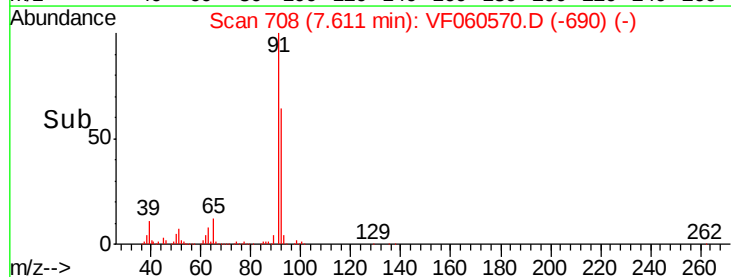
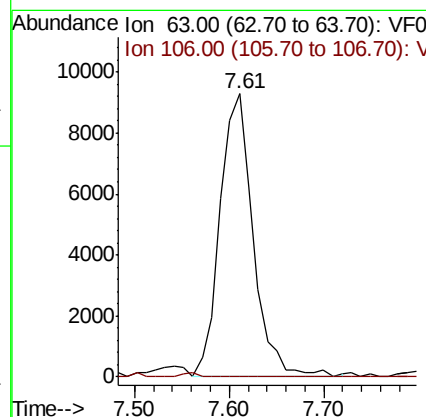
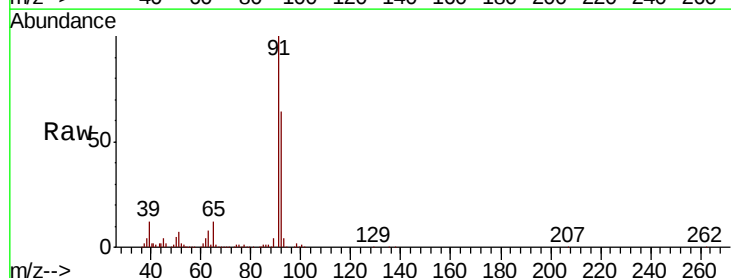
Manual Integrations
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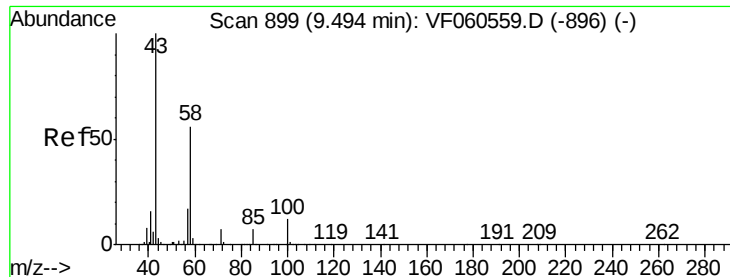
MMDadoda
 11/6/2018 12:53:46 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.299 ug/l
 RT: 7.61 min Scan# 708
 Delta R.T. -0.02 min
 Lab File: VF060570.D
 Acq: 5 Nov 2018 13:32

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





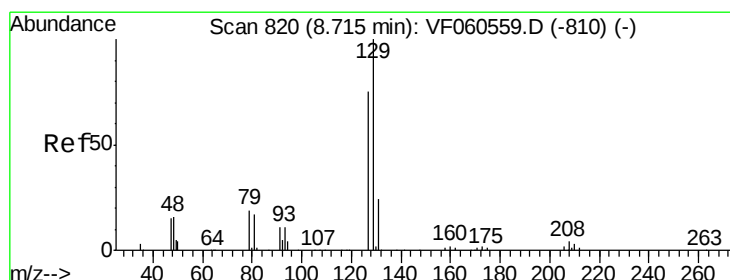
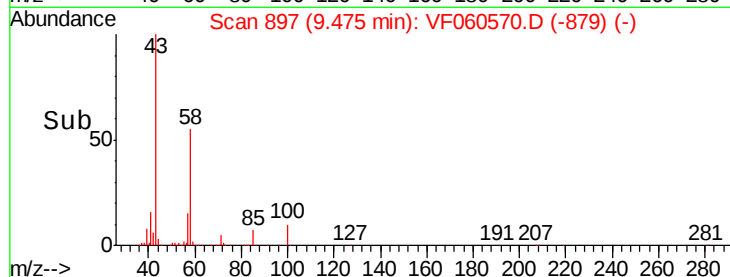
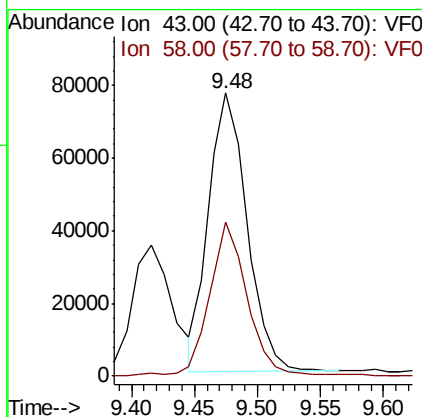
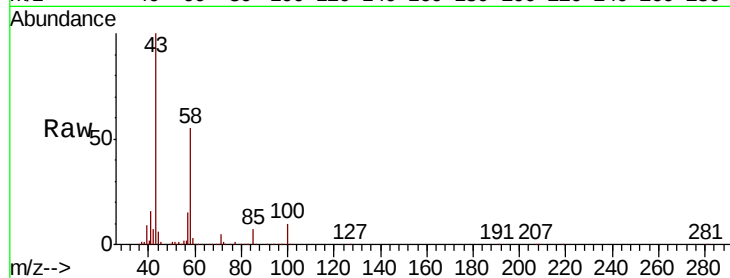
#59
2-Hexanone
Concen: 103.676 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.02 min
Lab File: VF060570.D
Acq: 5 Nov 2018 13:32

Instrument :
MSVOA_F
ClientSampleId :
VF1105SBS01

Tot Ion: 43 Resp: 162464
Ion Ratio Lower Upper
43 100
58 54.5 26.1 78.3

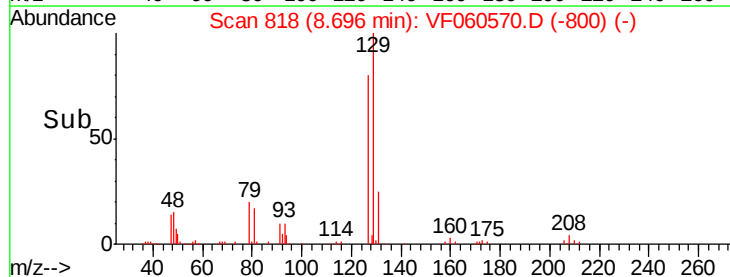
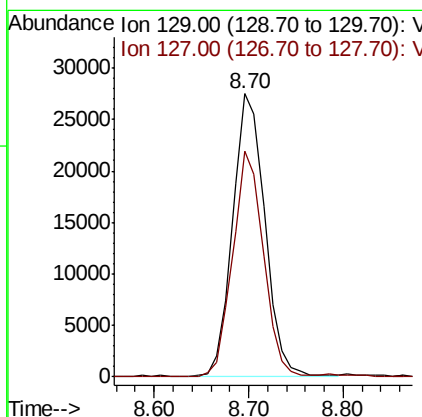
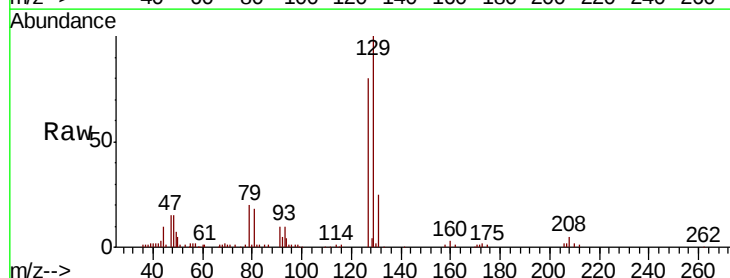
Manual Integrations
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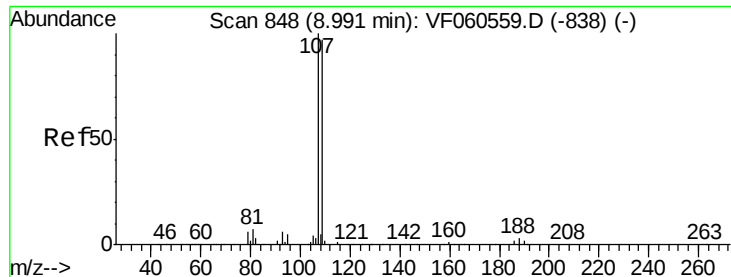
MMDadoda
11/6/2018 12:53:46 PM



#60
Dibromochloromethane
Concen: 20.006 ug/l
RT: 8.70 min Scan# 818
Delta R.T. -0.02 min
Lab File: VF060570.D
Acq: 5 Nov 2018 13:32

Tgt Ion: 129 Resp: 65193
Ion Ratio Lower Upper
129 100
127 79.9 37.8 113.3





#61

1,2-Dibromoethane

Concen: 21.177 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.02 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

Instrument :

MSVOA_F

ClientSampleId :

VF1105SBS01

Tot Ion:107 Resp: 51889

Ion Ratio Lower Upper

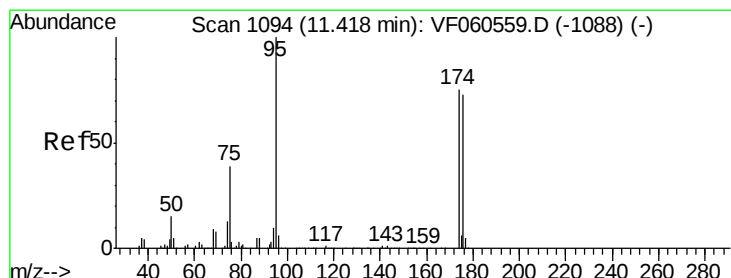
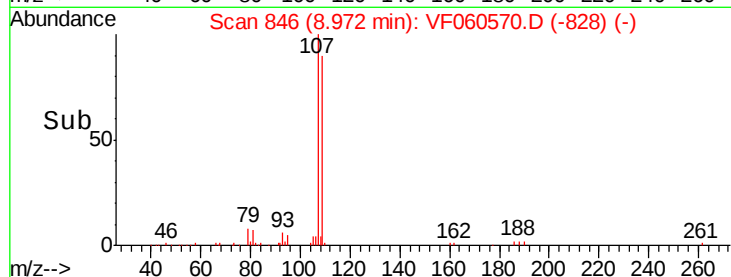
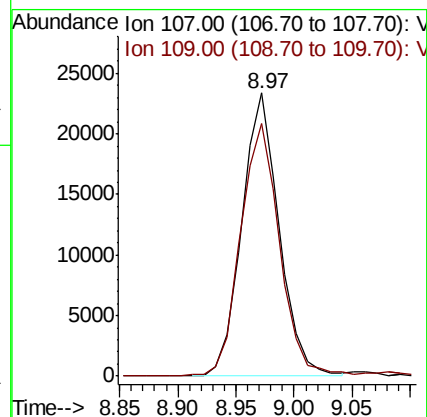
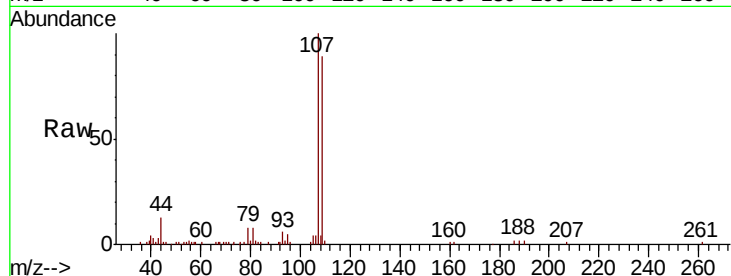
107 100

109 89.4 77.5 116.3

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 51.294 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

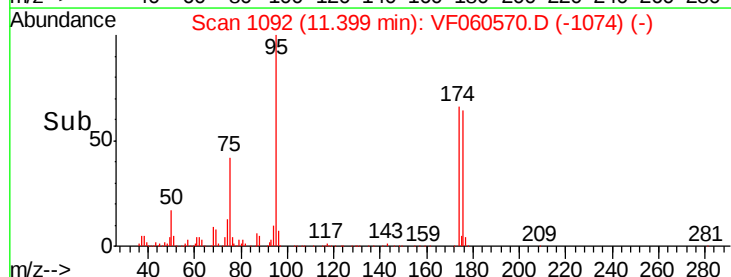
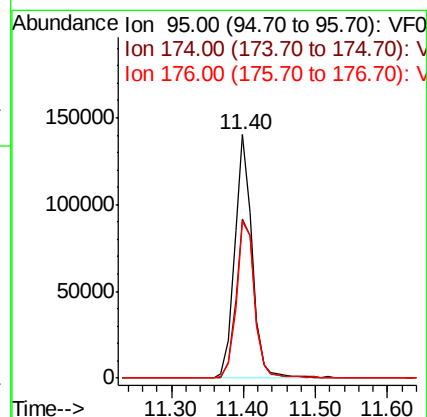
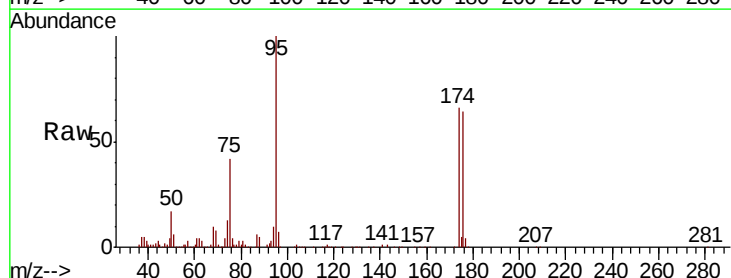
Tgt Ion: 95 Resp: 236161

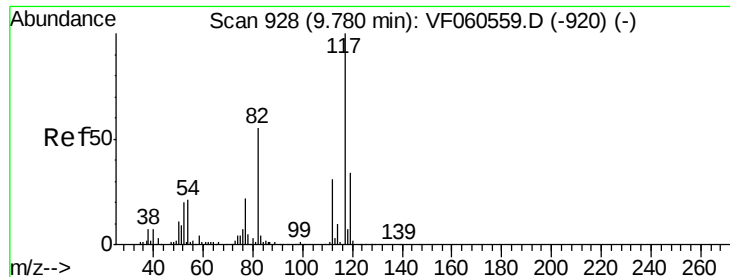
Ion Ratio Lower Upper

95 100

174 65.5 0.0 149.0

176 64.1 0.0 145.6





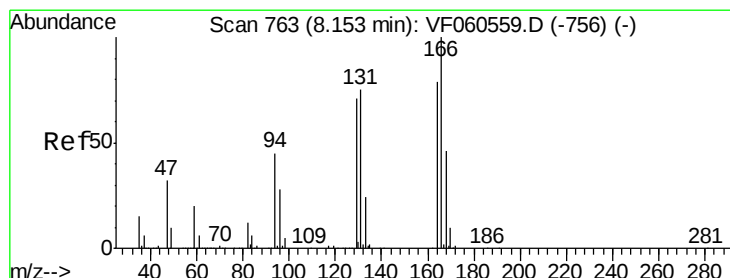
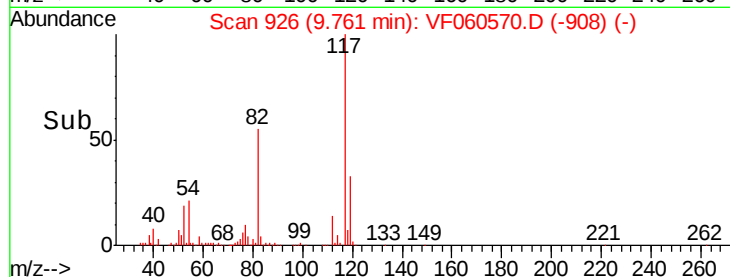
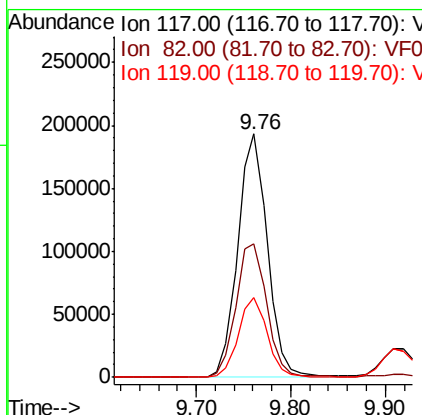
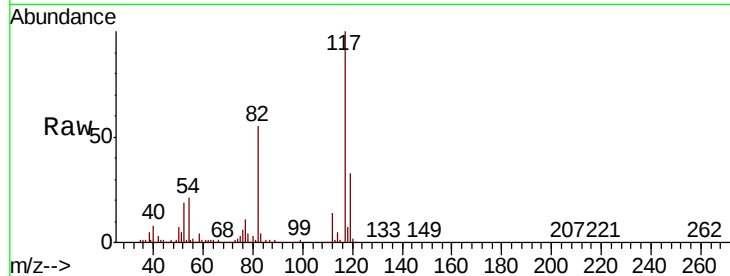
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.02 min
Lab File: VF060570.D
Acq: 5 Nov 2018 13:32

Instrument :
MSVOA_F
ClientSampleId :
VF1105SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	43.9	65.9
119	32.7	27.4	41.0

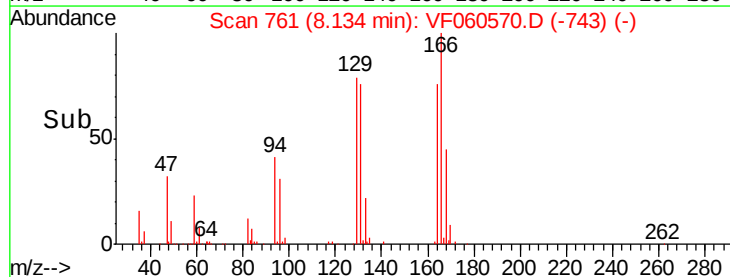
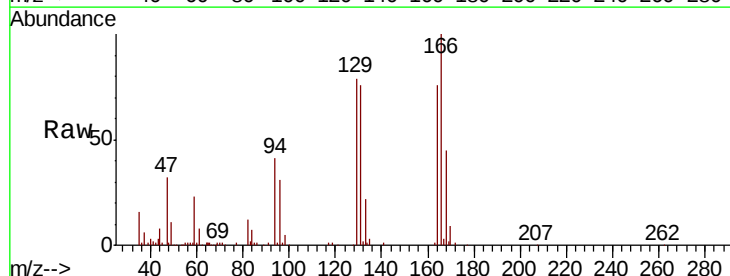
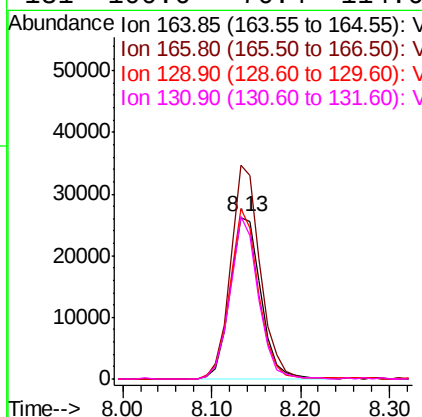
Manual Integrations
APPROVED

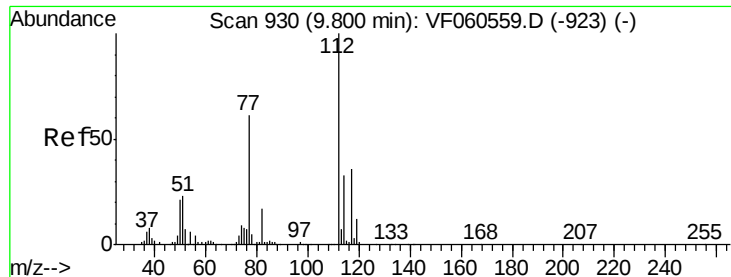
MMDadoda
11/6/2018 12:53:46 PM



#64
Tetrachloroethene
Concen: 19.213 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.02 min
Lab File: VF060570.D
Acq: 5 Nov 2018 13:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.3	101.5	152.3
129	105.1	72.5	108.7
131	100.6	76.4	114.6





#65

Chlorobenzene

Concen: 20.400 ug/l

RT: 9.78 min Scan# 928

Delta R.T. -0.02 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

Instrument :

MSVOA_F

ClientSampleId :

VF1105SBS01

Tot Ion:112 Resp: 175020

Ion Ratio Lower Upper

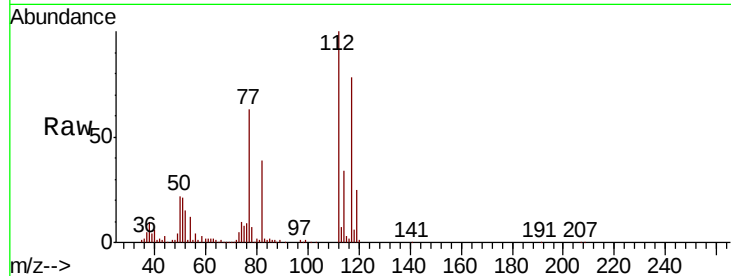
112 100

114 33.8 26.6 40.0

Manual Integrations
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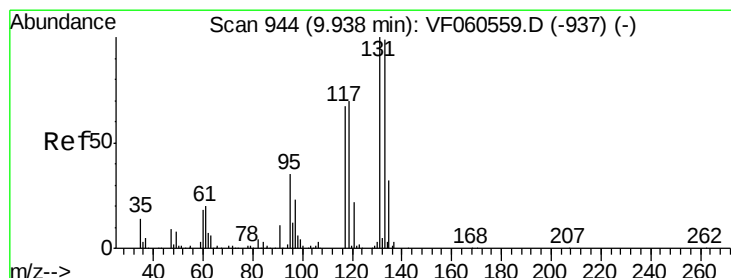
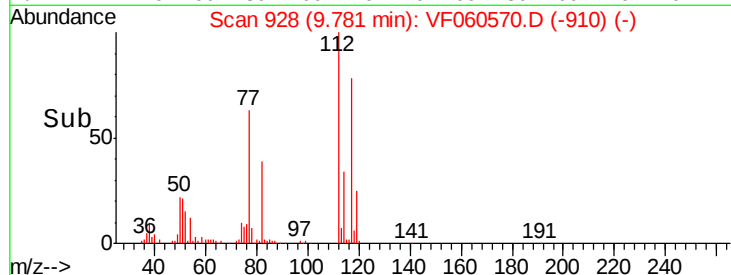
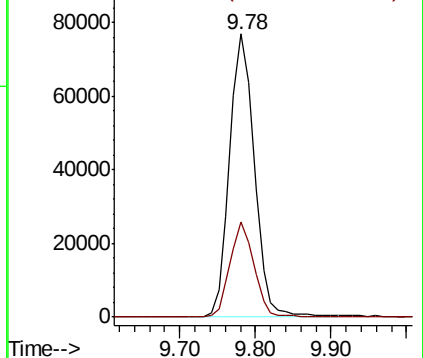
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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.540 ug/l

RT: 9.92 min Scan# 942

Delta R.T. -0.02 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

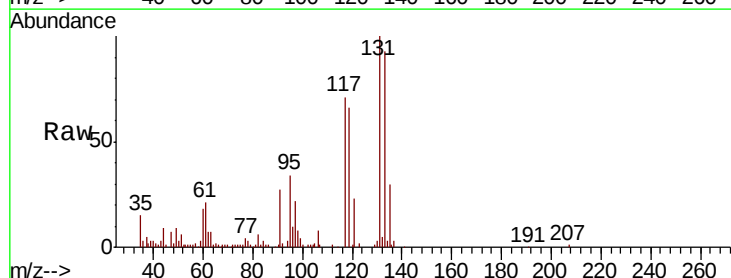
Tgt Ion:131 Resp: 74461

Ion Ratio Lower Upper

131 100

133 93.0 49.5 148.7

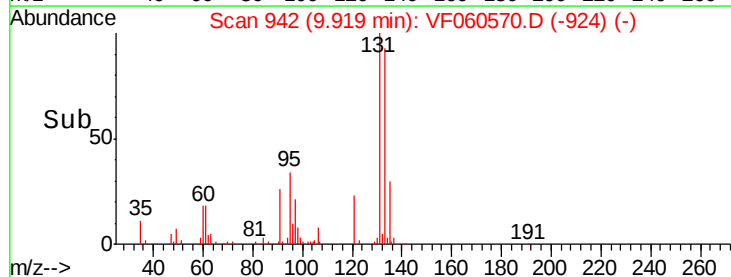
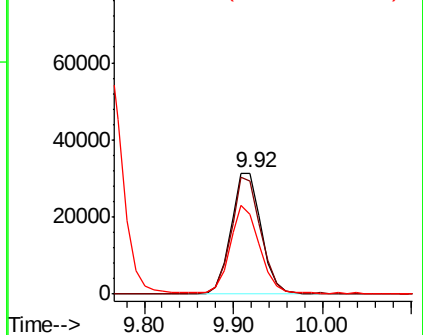
119 66.0 35.2 105.6

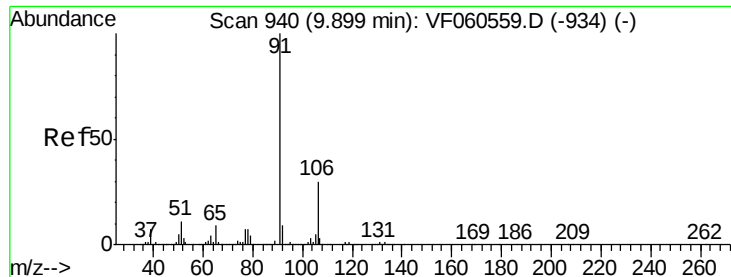


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 21.537 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.02 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

Instrument :

MSVOA_F

ClientSampleId :

VF1105SBS01

Tot Ion: 91 Resp: 335321

Ion Ratio Lower Upper

91 100

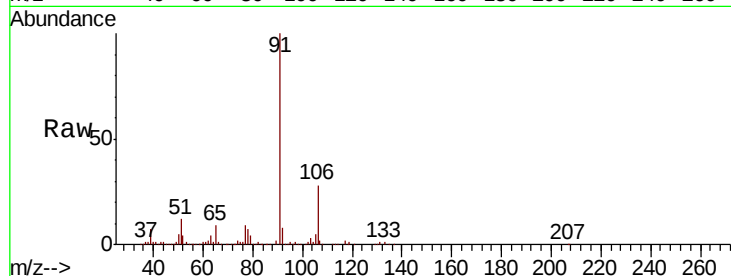
106 27.9 24.2 36.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

200000

150000

100000

50000

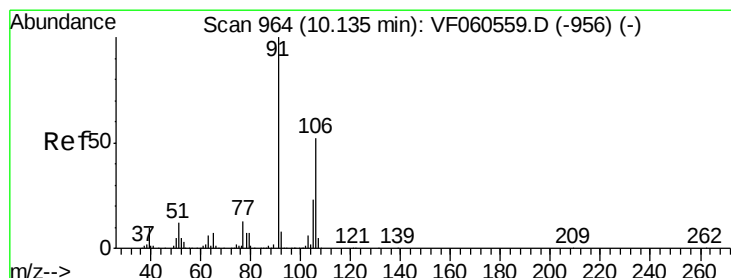
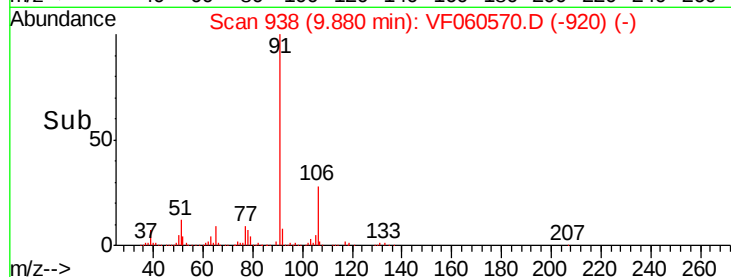
0

9.88

9.90

10.00

Time-->



#68

m/p-Xylenes

Concen: 42.723 ug/l

RT: 10.12 min Scan# 962

Delta R.T. -0.02 min

Lab File: VF060570.D

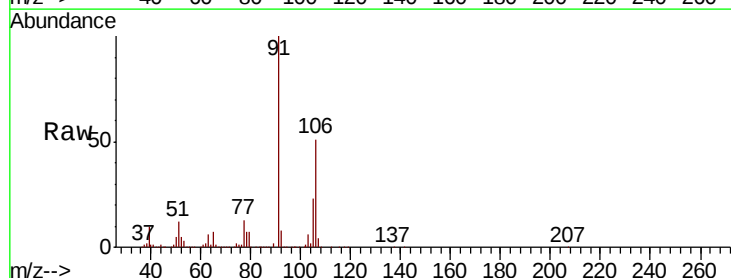
Acq: 5 Nov 2018 13:32

Tgt Ion:106 Resp: 250561

Ion Ratio Lower Upper

106 100

91 195.9 153.9 230.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

250000

200000

150000

100000

50000

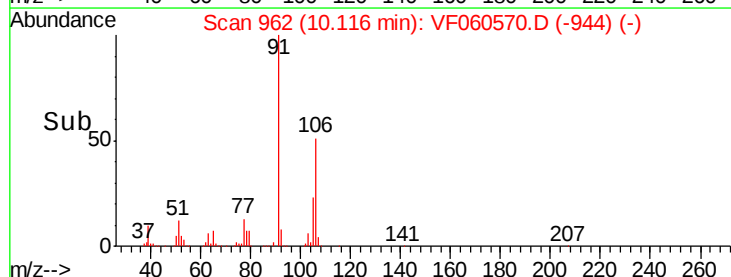
0

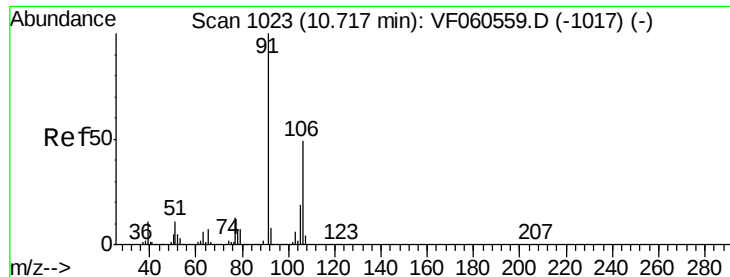
10.12

10.10

10.20

Time-->





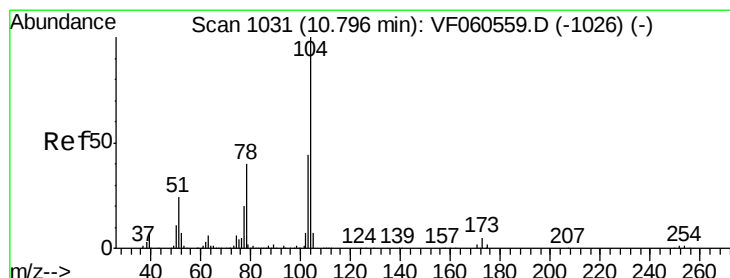
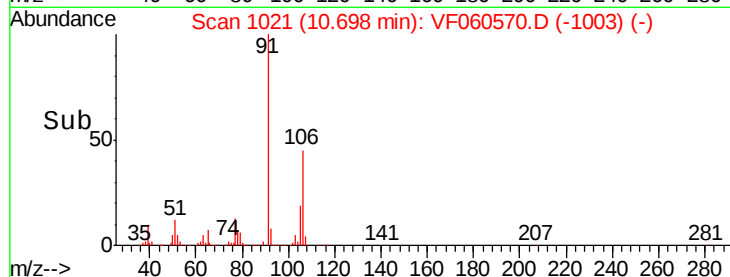
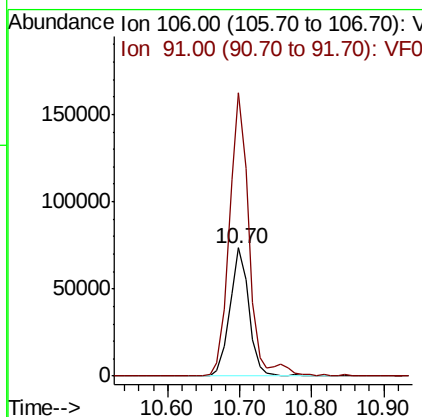
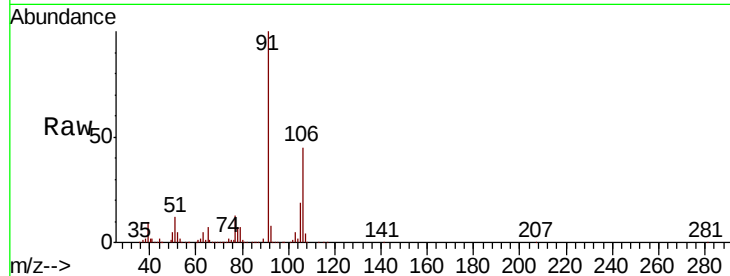
#69
o-Xylene
Concen: 21.150 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.02 min
Lab File: VF060570.D
Acq: 5 Nov 2018 13:32

Instrument :
MSVOA_F
ClientSampleId :
VF1105SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		135442		
91	220.3	101.8	305.3		

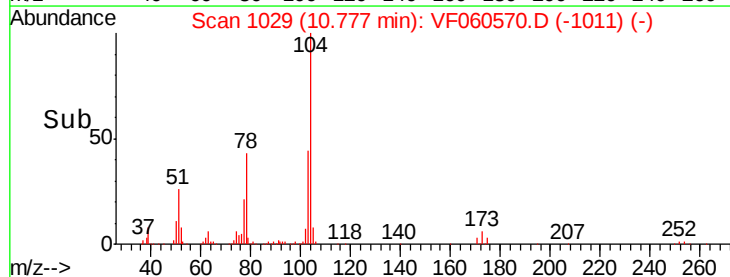
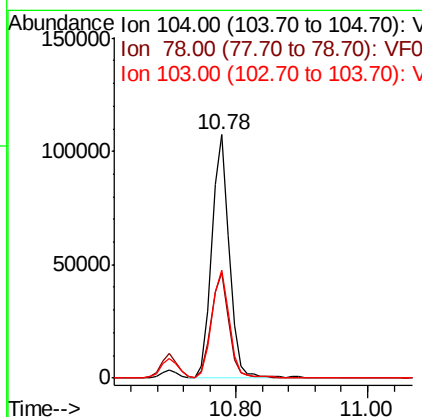
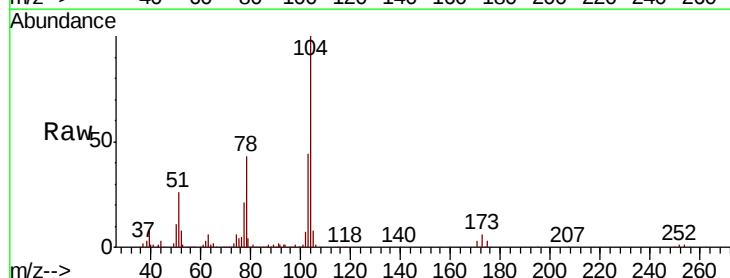
Manual Integrations
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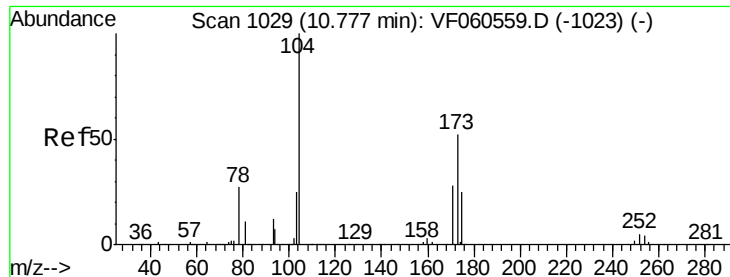
MMDadoda
11/6/2018 12:53:46 PM



#70
Styrene
Concen: 20.889 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.02 min
Lab File: VF060570.D
Acq: 5 Nov 2018 13:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		193801		
78	43.0	32.6	49.0		
103	44.1	35.2	52.8		





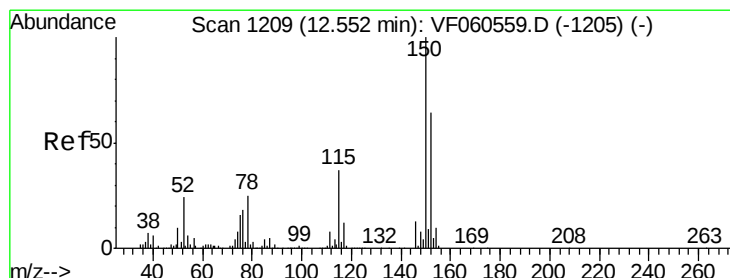
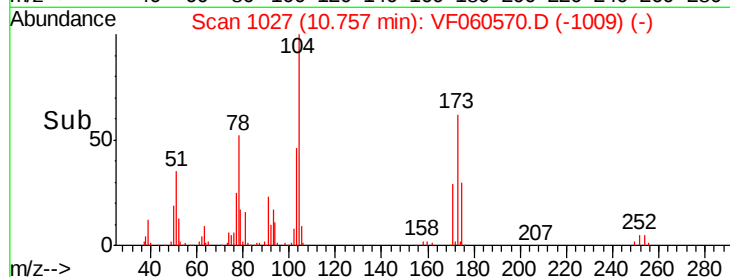
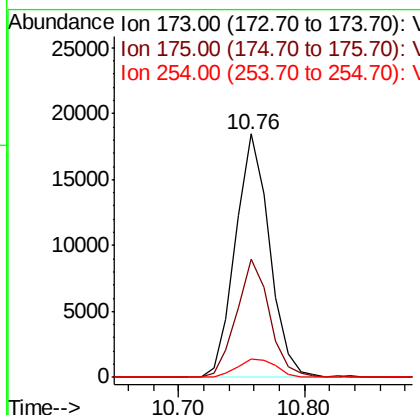
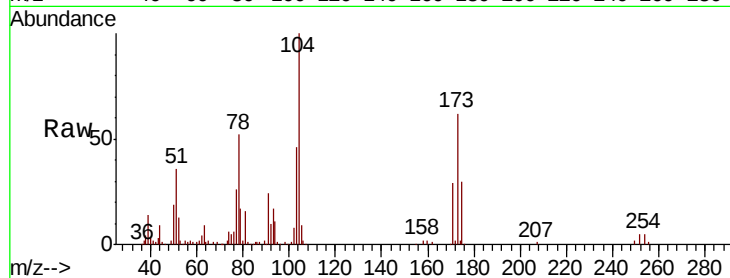
#71
Bromoform
Concen: 18.413 ug/l
RT: 10.76 min Scan# 1027
Delta R.T. -0.02 min
Lab File: VF060570.D
Acq: 5 Nov 2018 13:32

Instrument :
MSVOA_F
ClientSampleId :
VF1105SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	72.9
254	7.6	6.7	10.1

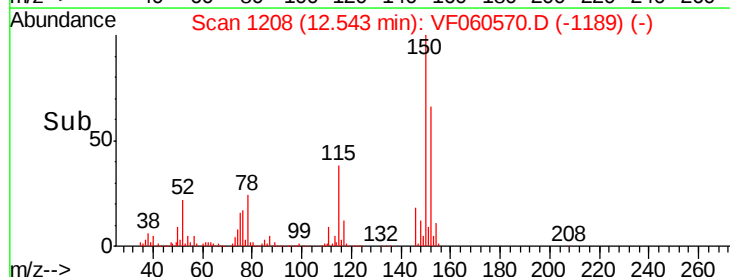
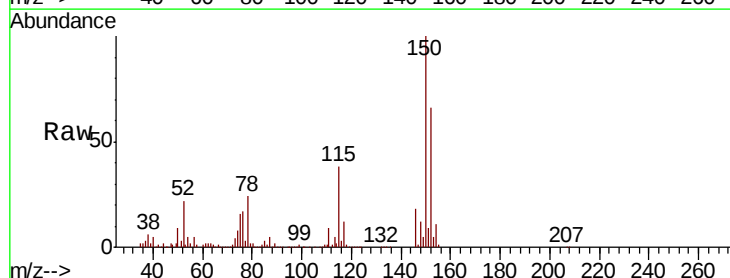
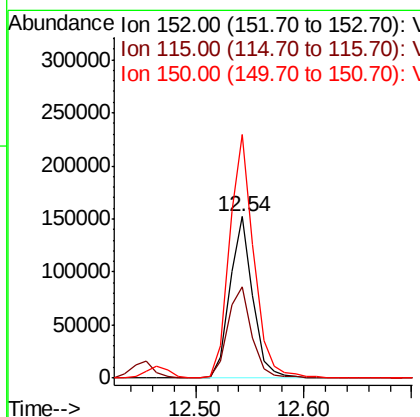
Manual Integrations
APPROVED

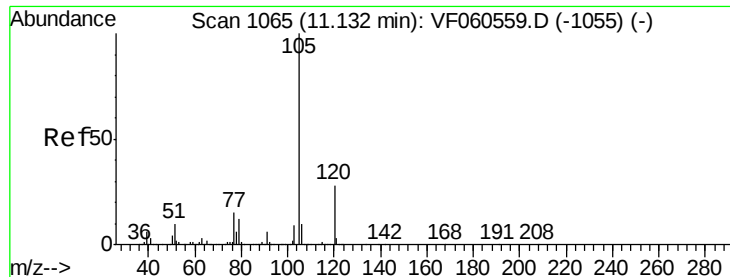
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF060570.D
Acq: 5 Nov 2018 13:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	29.6	88.8
150	151.1	0.0	315.6





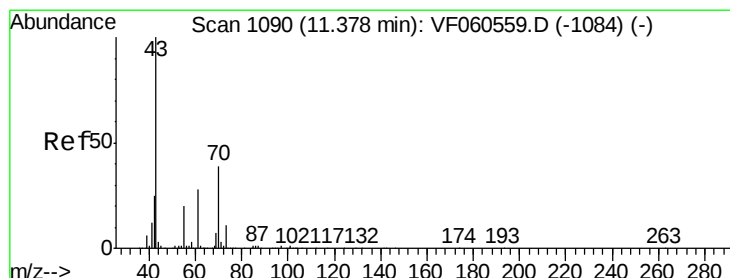
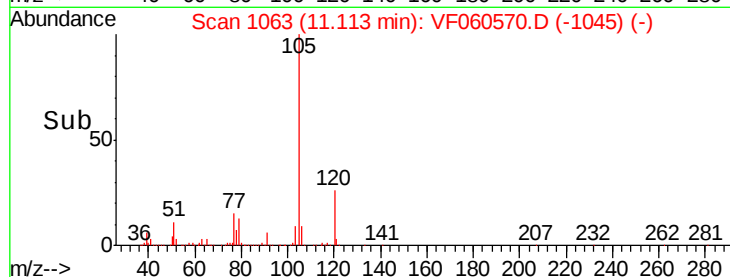
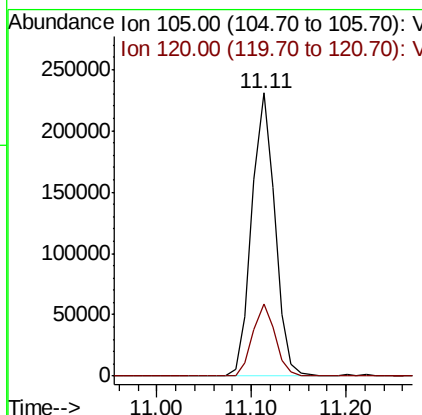
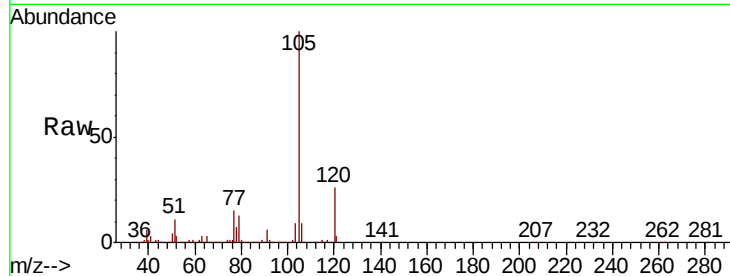
#73
Isopropylbenzene
Concen: 22.442 ug/l
RT: 11.11 min Scan# 1063
Delta R.T. -0.02 min
Lab File: VF060570.D
Acq: 5 Nov 2018 13:32

Instrument :
MSVOA_F
ClientSampleId :
VF1105SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.9	41.6

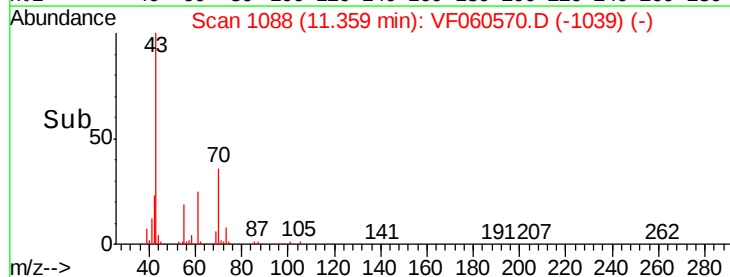
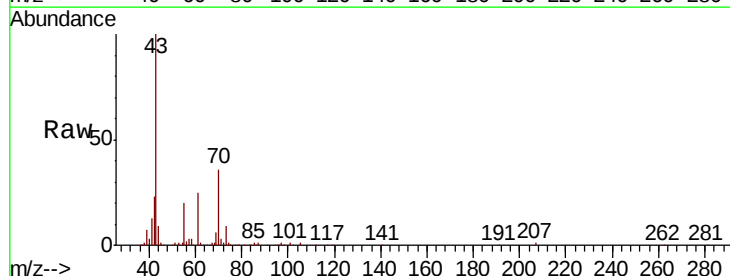
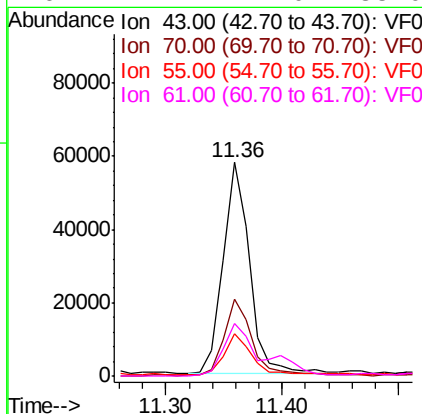
Manual Integrations
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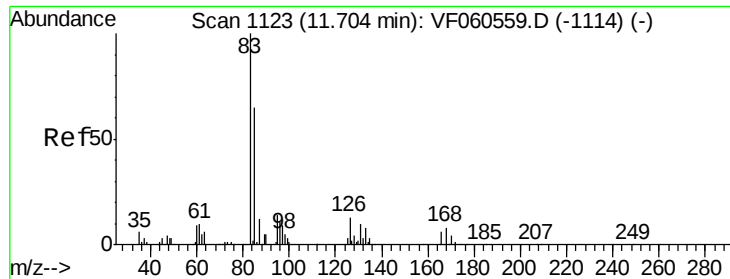
MMDadoda
11/6/2018 12:53:46 PM



#74
N-ethyl acetate
Concen: 18.143 ug/l
RT: 11.36 min Scan# 1088
Delta R.T. -0.02 min
Lab File: VF060570.D
Acq: 5 Nov 2018 13:32

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.0	30.9	46.3
55	19.5	16.6	24.8
61	24.7	22.0	33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.241 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

Instrument :

MSVOA_F

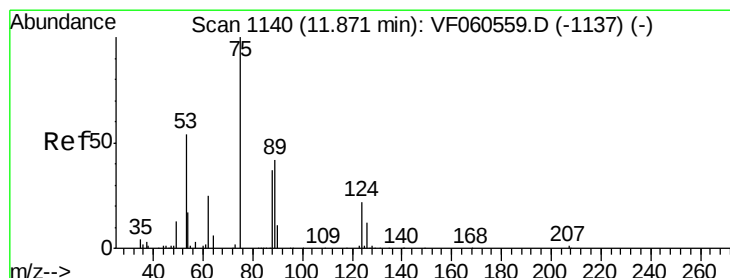
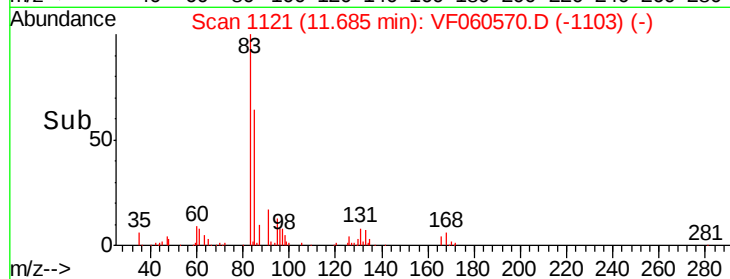
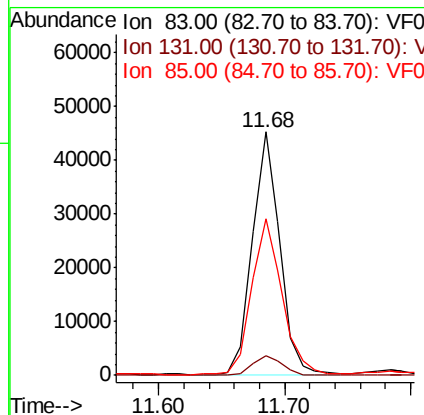
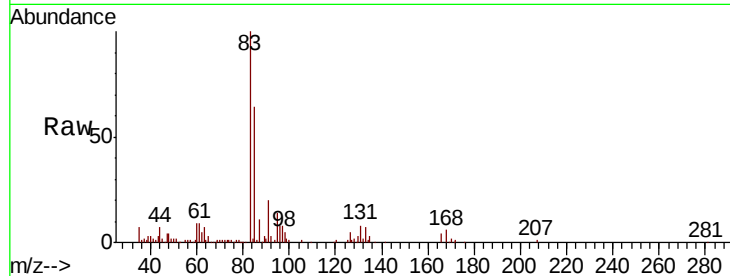
ClientSampleId :

VF1105SBS01

Tot Ion:	83	Resp:	68183
Ion Ratio	Lower	Upper	
83	100		
131	8.0	5.0	14.9
85	64.1	32.9	98.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.822 ug/l

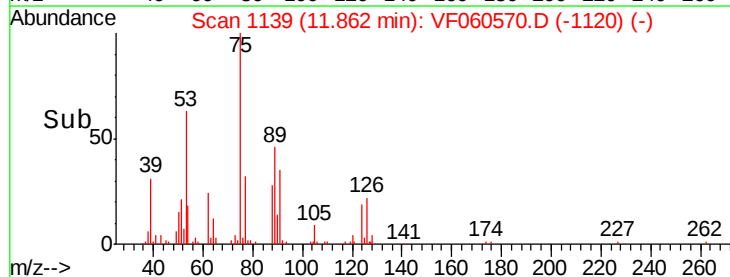
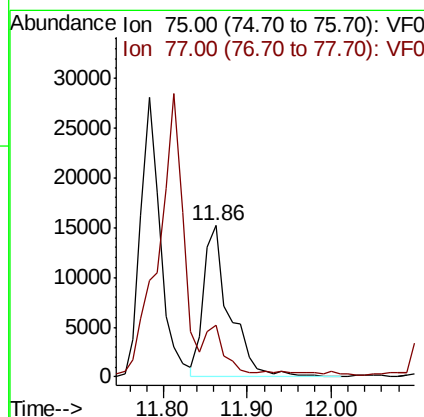
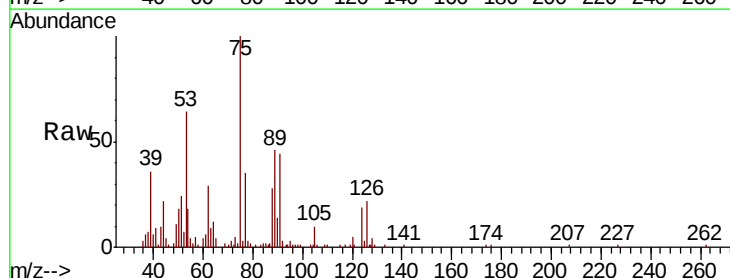
RT: 11.86 min Scan# 1139

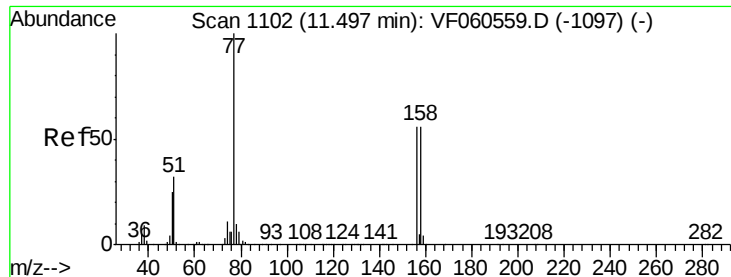
Delta R.T. -0.01 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

Tgt Ion:	75	Resp:	32848
Ion Ratio	Lower	Upper	
75	100		
77	34.6	17.4	52.3





#77

Bromobenzene

Concen: 19.984 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

Instrument :

MSVOA_F

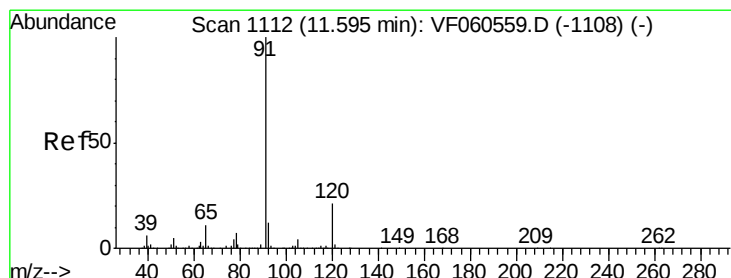
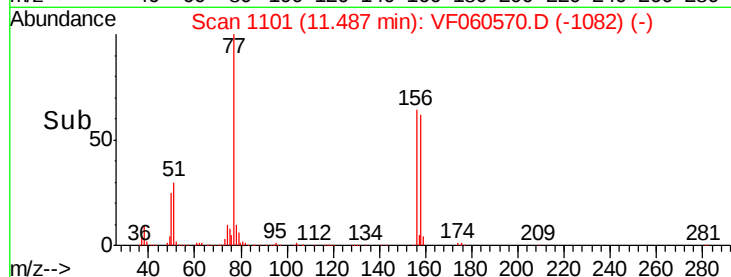
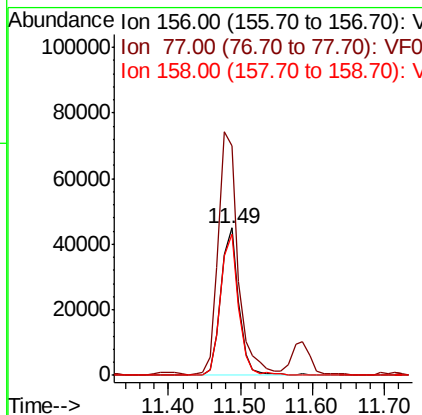
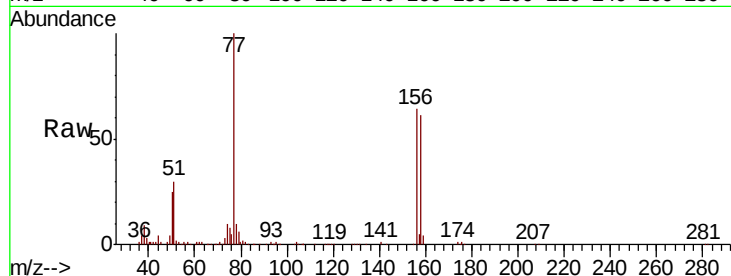
ClientSampleId :

VF1105SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	156.0	89.3	268.1
158	95.7	50.0	150.1

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#78

n-propylbenzene

Concen: 22.968 ug/l

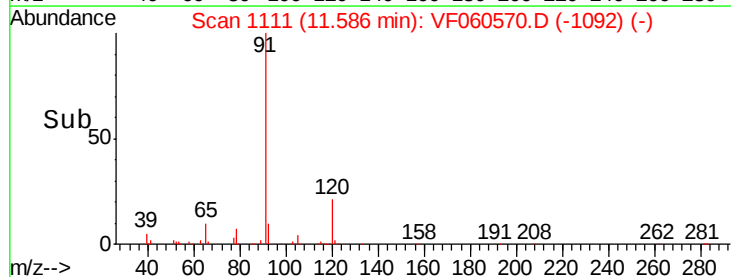
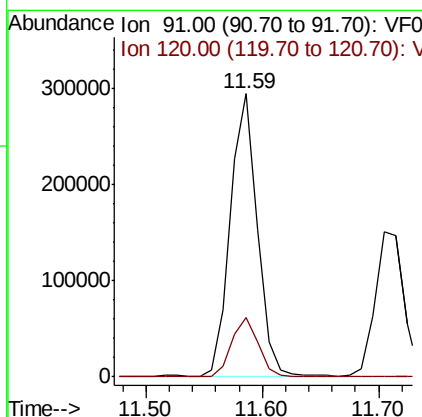
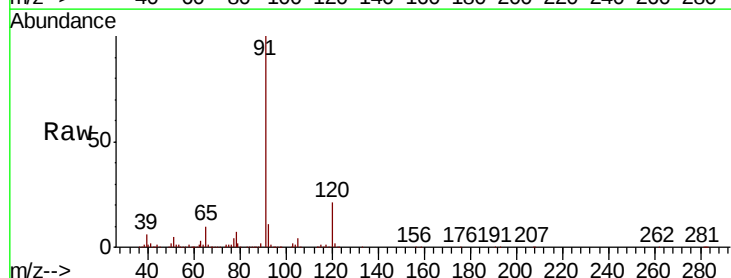
RT: 11.59 min Scan# 1111

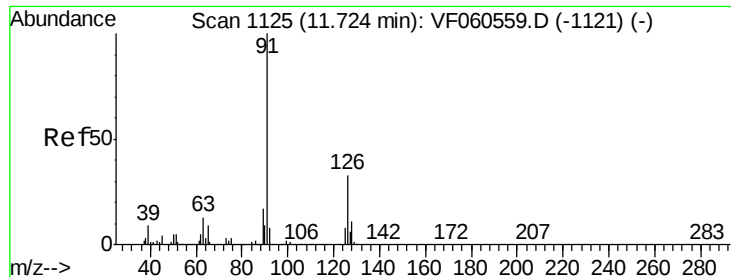
Delta R.T. -0.01 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.8	10.5	31.6





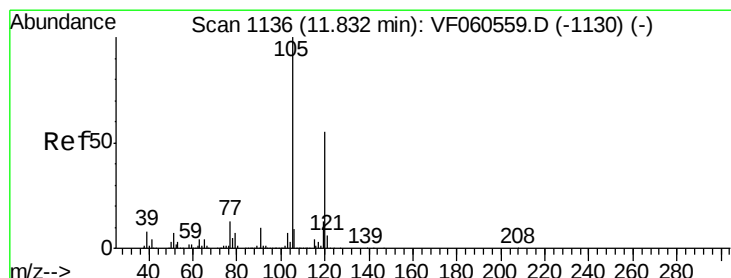
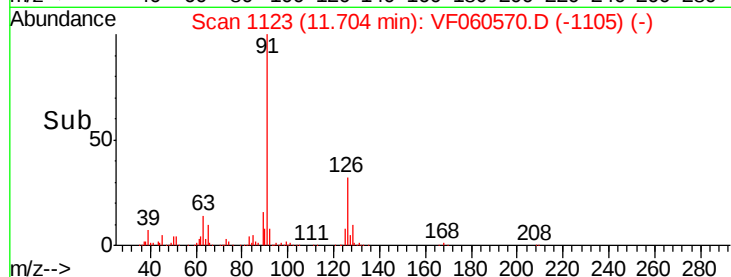
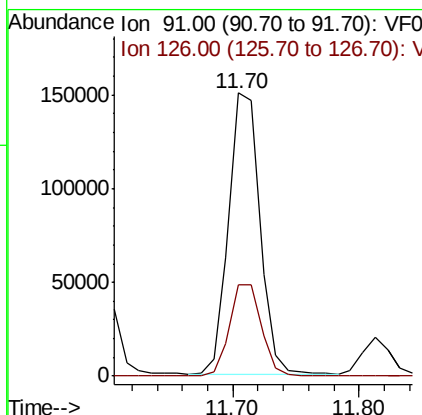
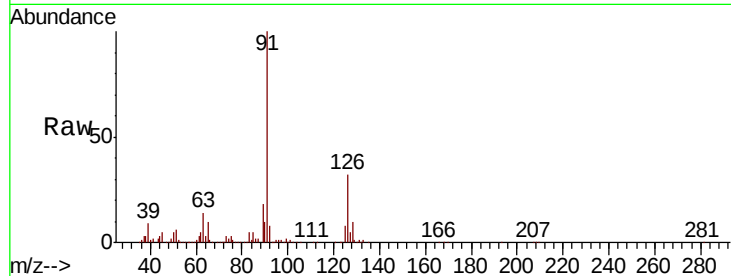
#79
 2-Chlorotoluene
 Concen: 21.888 ug/l
 RT: 11.70 min Scan# 1123
 Delta R.T. -0.02 min
 Lab File: VF060570.D
 Acq: 5 Nov 2018 13:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1105SBS01

Tot Ion: 91 Resp: 257198
 Ion Ratio Lower Upper
 91 100
 126 32.2 16.5 49.5

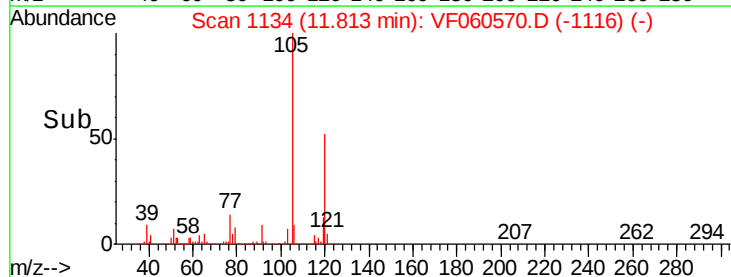
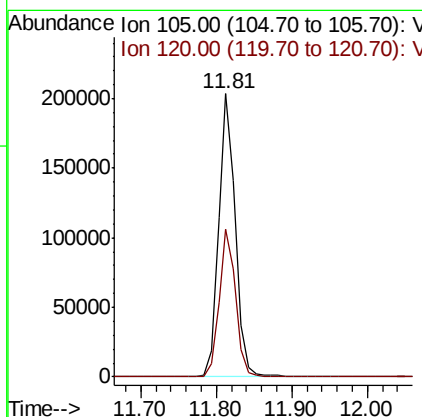
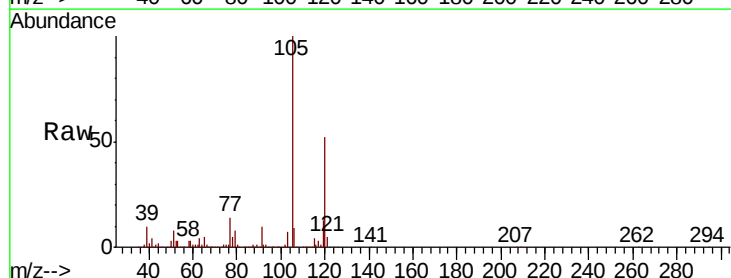
Manual Integrations
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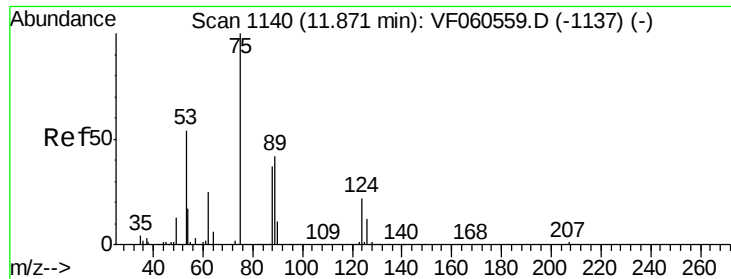
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.781 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. -0.02 min
 Lab File: VF060570.D
 Acq: 5 Nov 2018 13:32

Tgt Ion: 105 Resp: 315733
 Ion Ratio Lower Upper
 105 100
 120 52.3 27.6 82.8





#81

trans-1,4-Dichloro-2-butene

Concen: 21.477 ug/l m

RT: 11.86 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

Instrument :

MSVOA_F

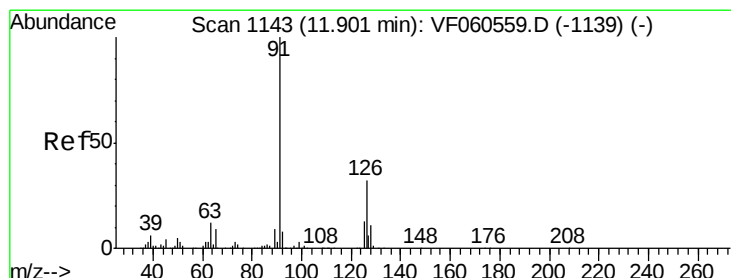
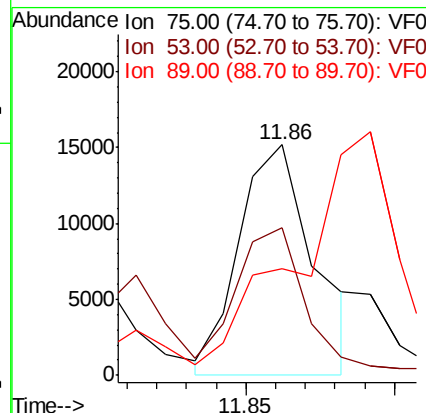
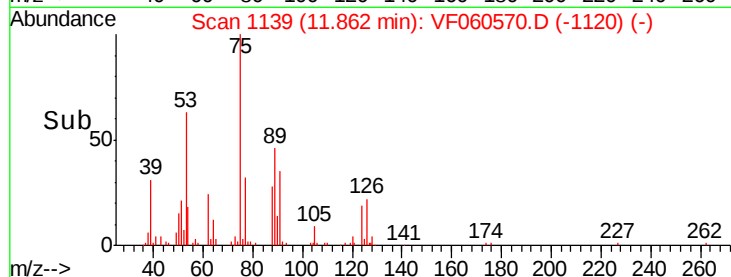
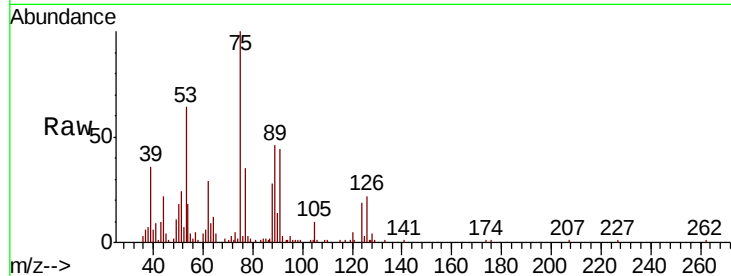
ClientSampleId :

VF1105SBS01

Tot Ion:	75	Resp:	26628
Ion	Ratio	Lower	Upper
75	100		
53	63.7	51.6	77.4
89	46.4	36.7	55.1

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#82

4-Chlorotoluene

Concen: 21.373 ug/l

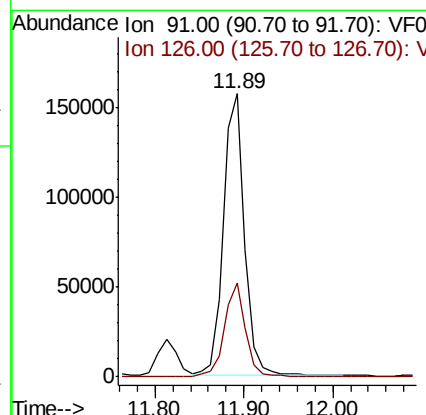
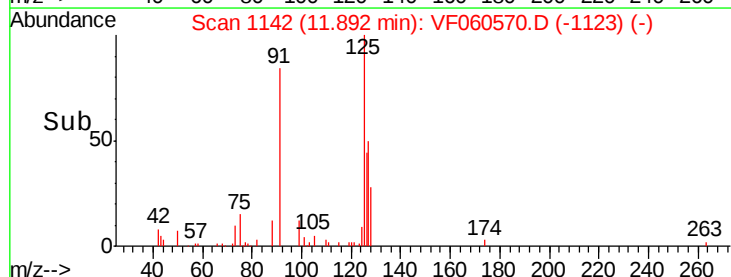
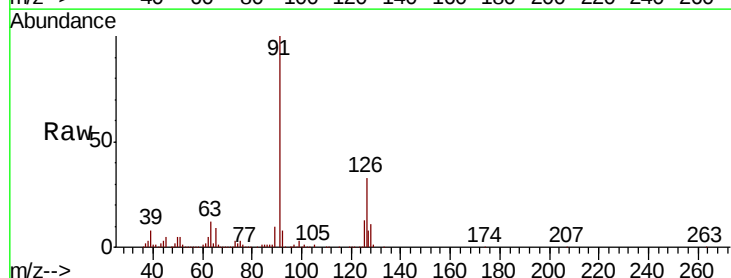
RT: 11.89 min Scan# 1142

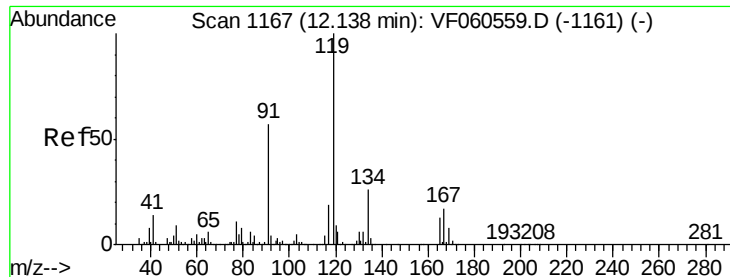
Delta R.T. -0.01 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

Tgt Ion:	91	Resp:	262035
Ion	Ratio	Lower	Upper
91	100		
126	33.1	15.9	47.7





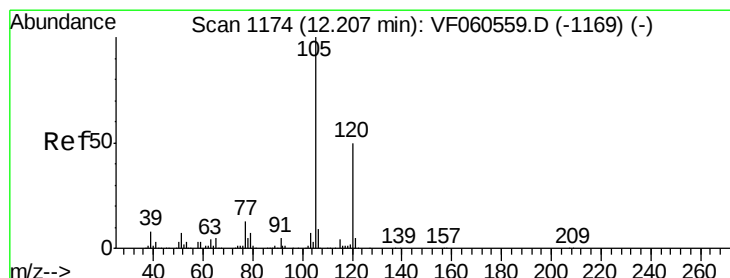
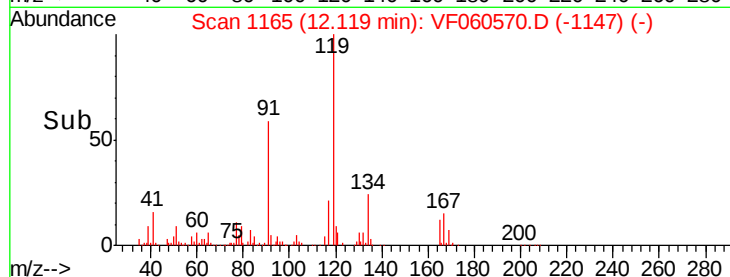
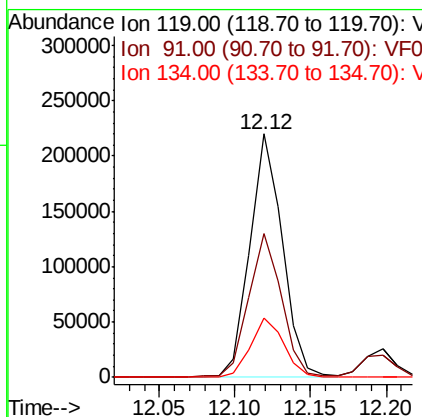
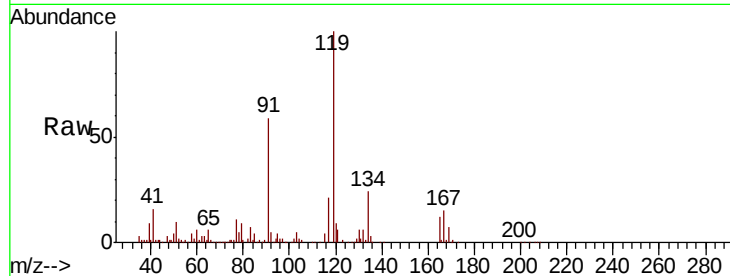
#83
tert-Butylbenzene
Concen: 22.500 ug/l
RT: 12.12 min Scan# 1165
Delta R.T. -0.02 min
Lab File: VF060570.D
Acq: 5 Nov 2018 13:32

Instrument :
MSVOA_F
ClientSampleId :
VF1105SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.3	28.8	86.4
134	24.3	13.2	39.6

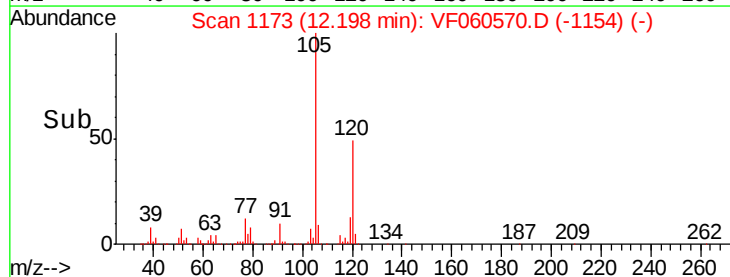
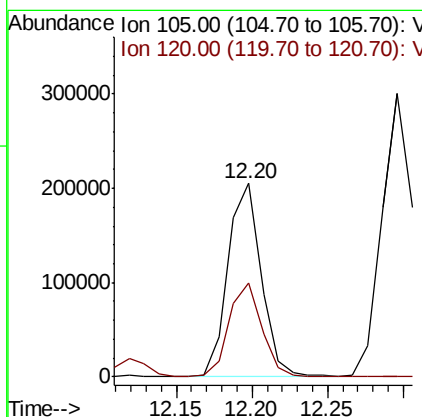
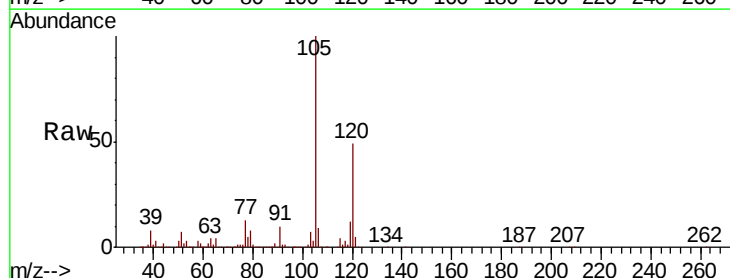
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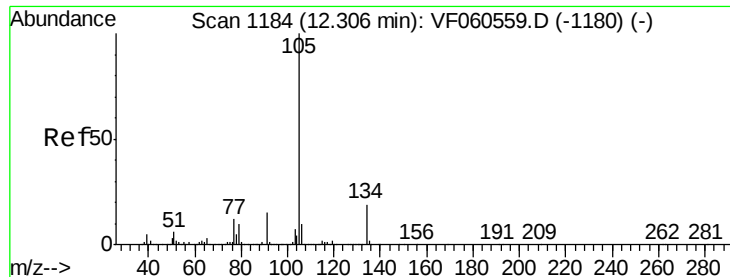
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#84
1,2,4-Trimethylbenzene
Concen: 22.115 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.01 min
Lab File: VF060570.D
Acq: 5 Nov 2018 13:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.6	25.6	76.8





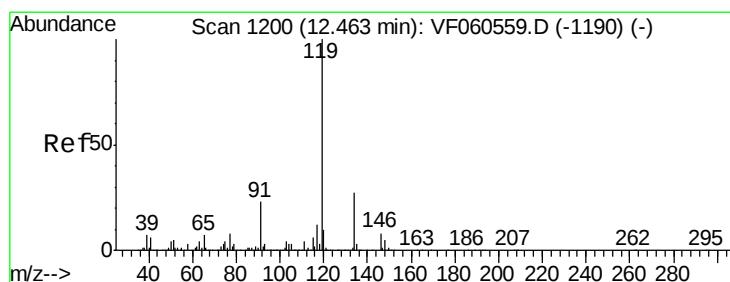
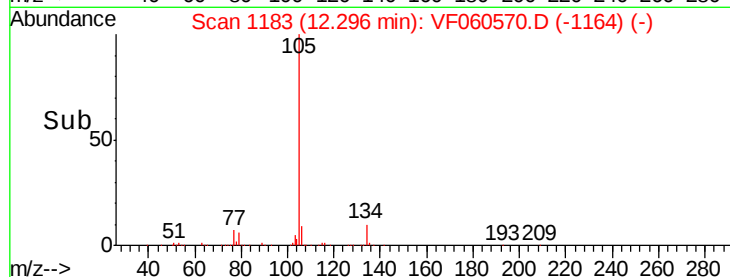
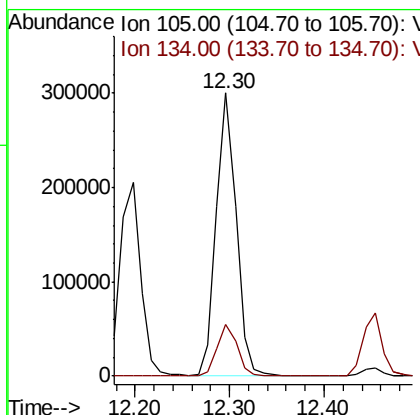
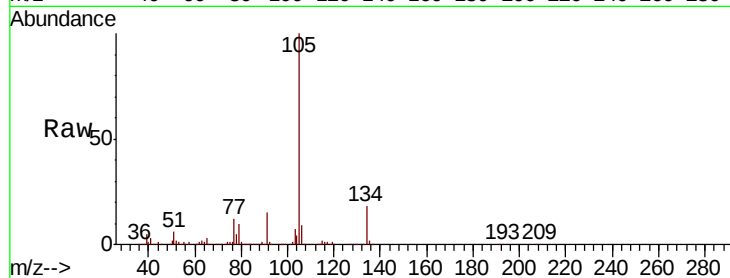
#85
 sec-Butylbenzene
 Concen: 21.715 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VF060570.D
 Acq: 5 Nov 2018 13:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1105SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.1	9.7	29.1

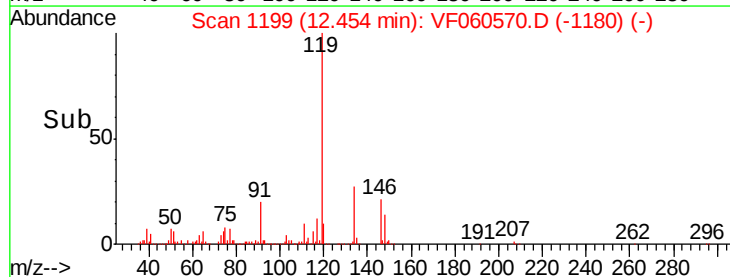
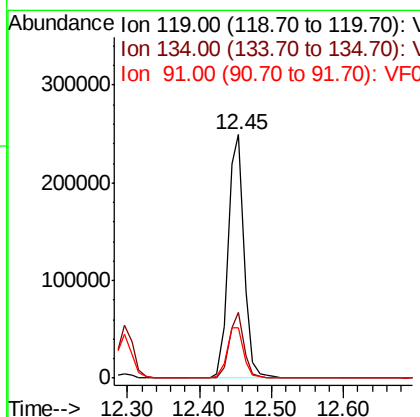
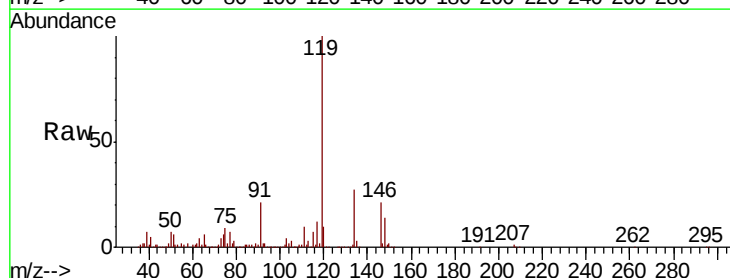
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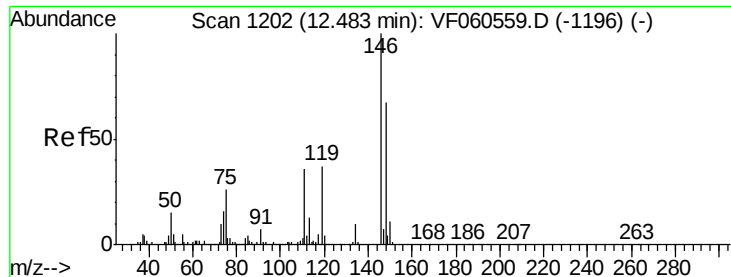
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#86
 p-Isopropyltoluene
 Concen: 22.645 ug/l
 RT: 12.45 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VF060570.D
 Acq: 5 Nov 2018 13:32

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.6	40.7
91	20.8	11.4	34.2





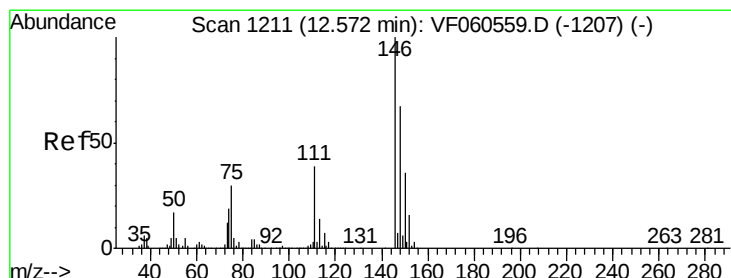
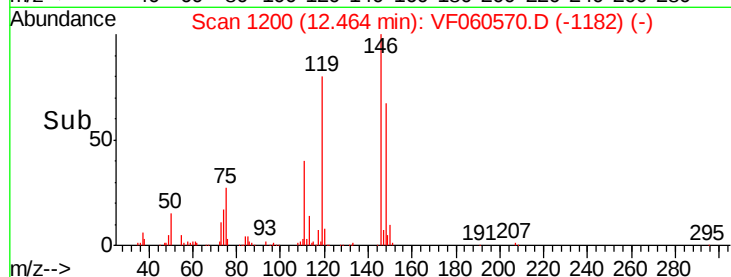
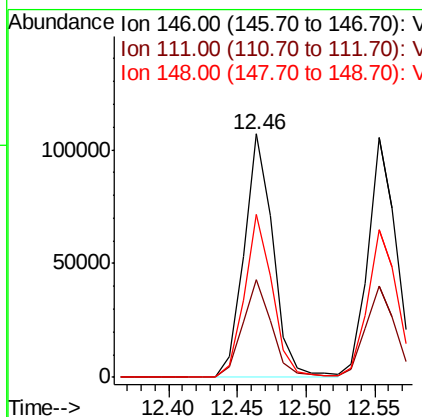
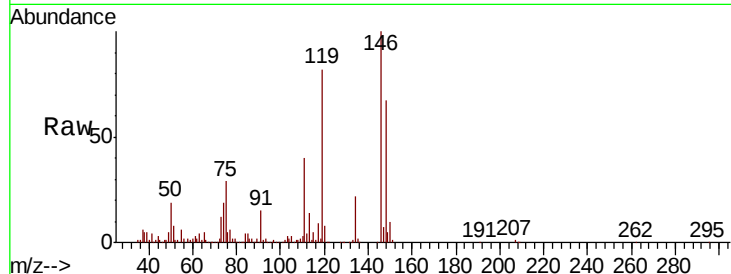
#87
 1,3-Dichlorobenzene
 Concen: 21.007 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VF060570.D
 Acq: 5 Nov 2018 13:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1105SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	18.3	54.8
148	67.0	33.5	100.4

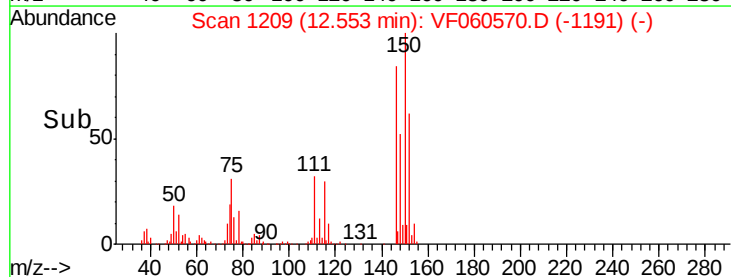
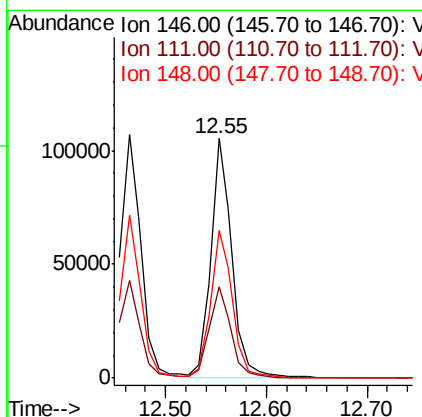
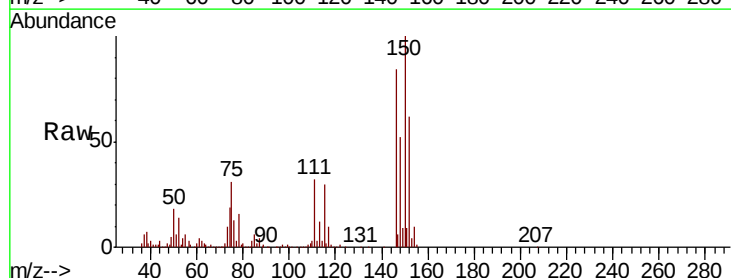
Manual Integrations
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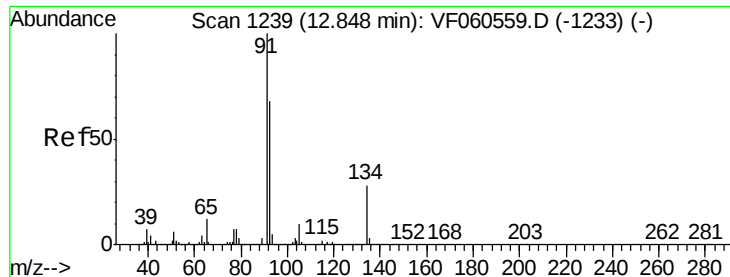
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 11/6/2018 12:53:46 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.448 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: VF060570.D
 Acq: 5 Nov 2018 13:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.7	59.1
148	61.8	33.7	101.1





#89

n-Butylbenzene

Concen: 20.783 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

Instrument :

MSVOA_F

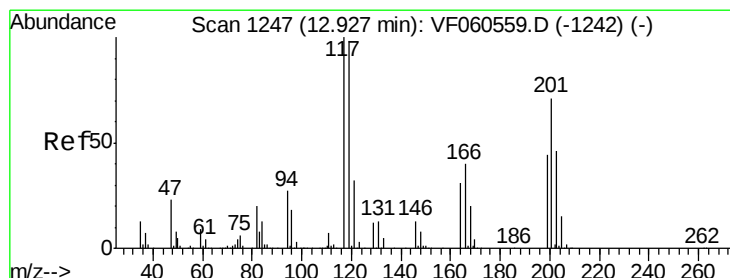
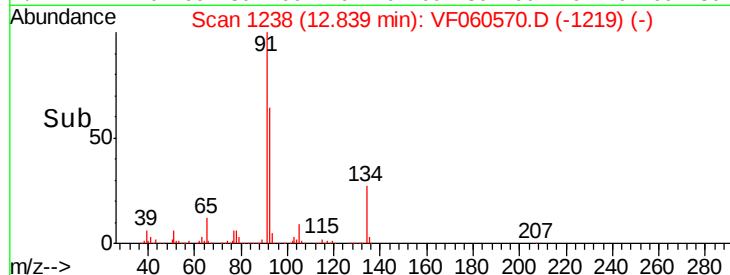
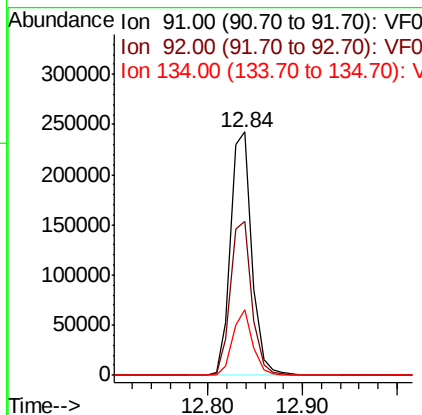
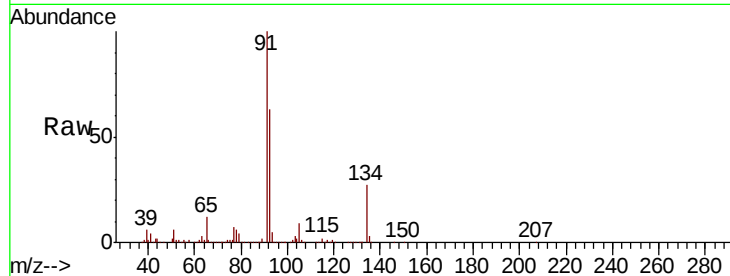
ClientSampleId :

VF1105SBS01

Tot Ion:	91	Resp:	380026
Ion Ratio	Lower	Upper	
91	100		
92	63.5	34.1	102.2
134	26.8	13.9	41.6

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#90

Hexachloroethane

Concen: 21.976 ug/l

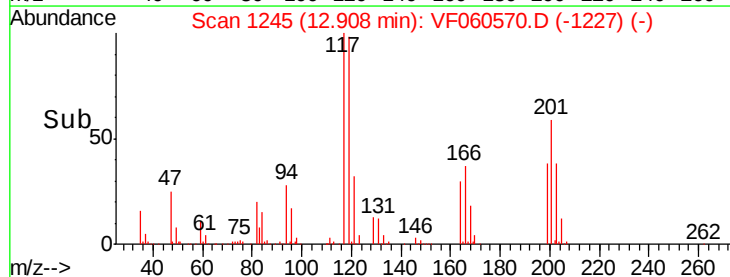
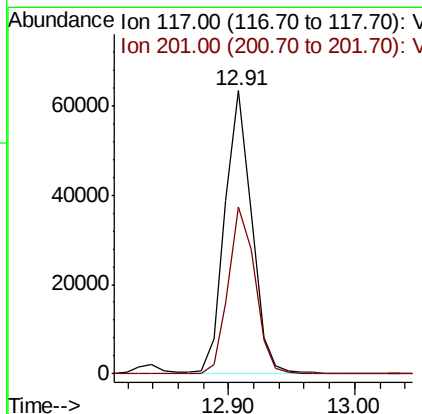
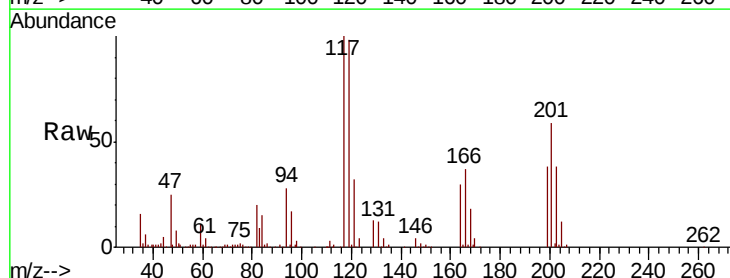
RT: 12.91 min Scan# 1245

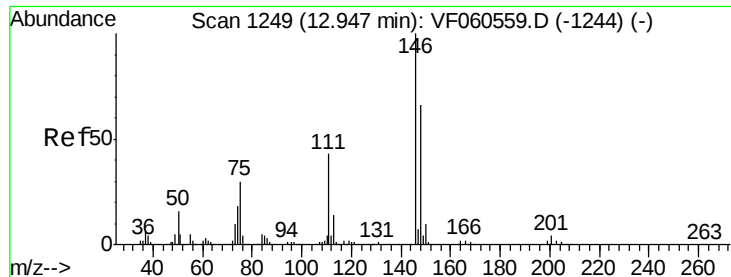
Delta R.T. -0.02 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

Tgt Ion:	117	Resp:	93756
Ion Ratio	Lower	Upper	
117	100		
201	59.1	35.2	105.6





#91

1,2-Dichlorobenzene

Concen: 21.004 ug/l

RT: 12.93 min Scan# 1247

Delta R.T. -0.02 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

Instrument :

MSVOA_F

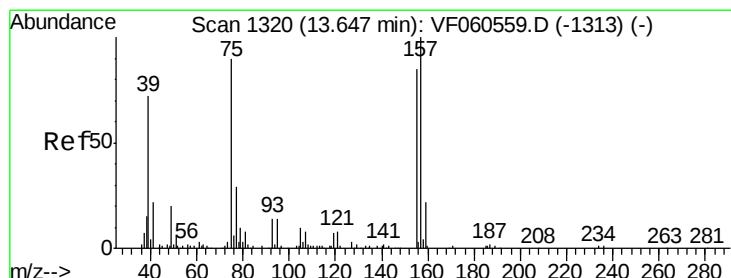
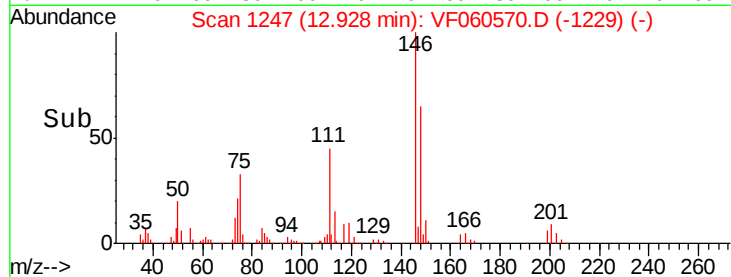
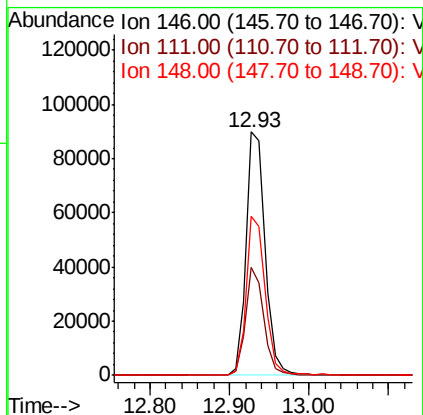
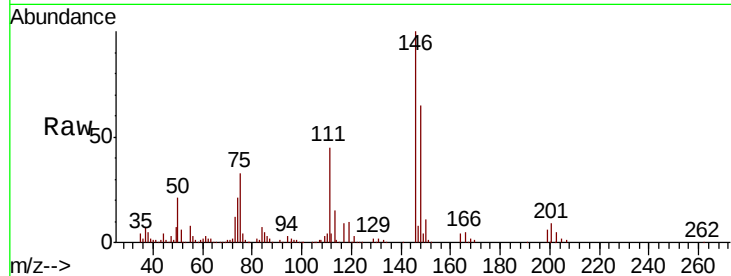
ClientSampleId :

VF1105SBS01

Tot Ion:	146	Resp:	148418
Ion Ratio	Lower	Upper	
146	100		
111	44.5	21.3	64.0
148	65.4	32.9	98.7

Manual Integrations
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11/6/2018 12:53:46 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.104 ug/l

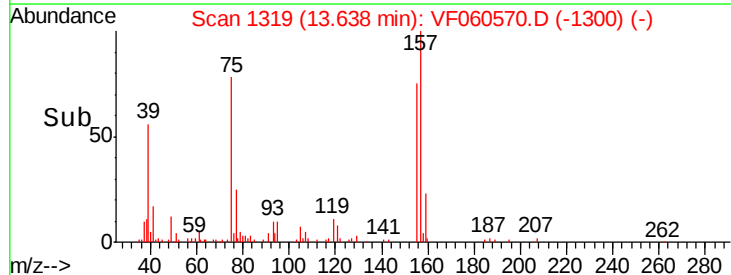
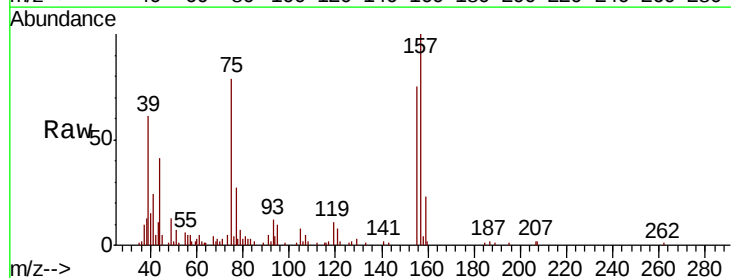
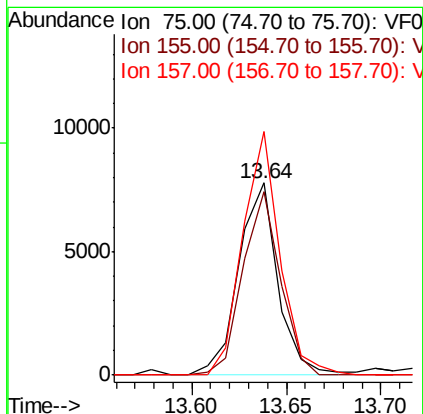
RT: 13.64 min Scan# 1319

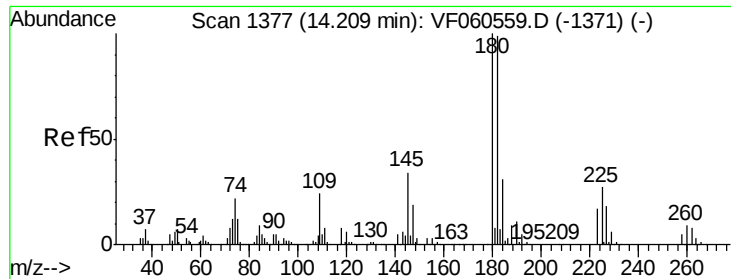
Delta R.T. -0.01 min

Lab File: VF060570.D

Acq: 5 Nov 2018 13:32

Tgt Ion:	75	Resp:	11212
Ion Ratio	Lower	Upper	
75	100		
155	95.2	47.3	141.8
157	126.7	55.3	165.9





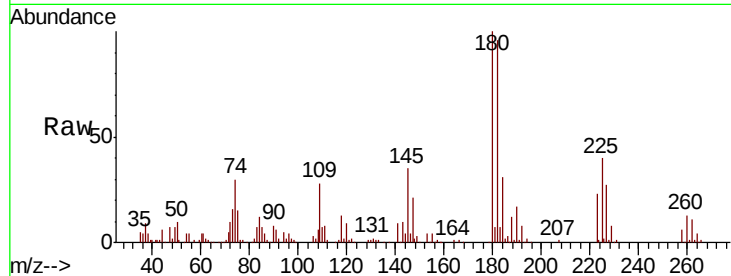
#93
 1,2,4-Trichlorobenzene
 Concen: 20.802 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF060570.D
 Acq: 5 Nov 2018 13:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1105SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	99858		
182	96.3	49.7	149.1	
145	34.8	16.9	50.7	

Manual Integrations
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 11/6/2018 12:53:46 PM

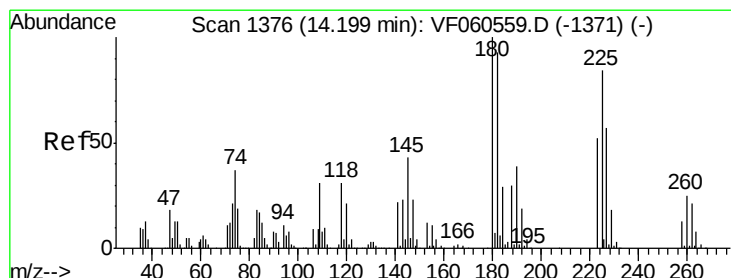
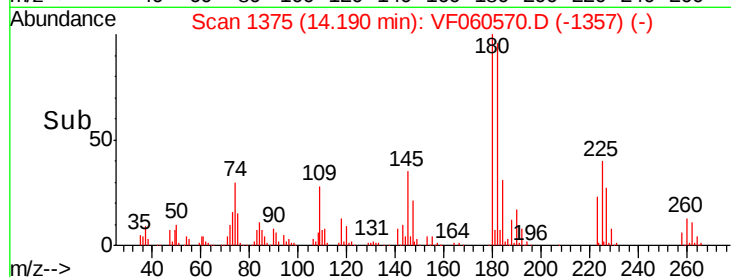
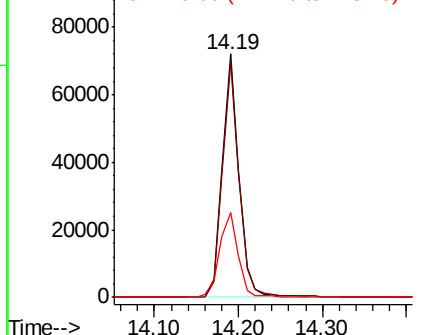


Abundance

Ion 180.00 (179.70 to 180.70): V

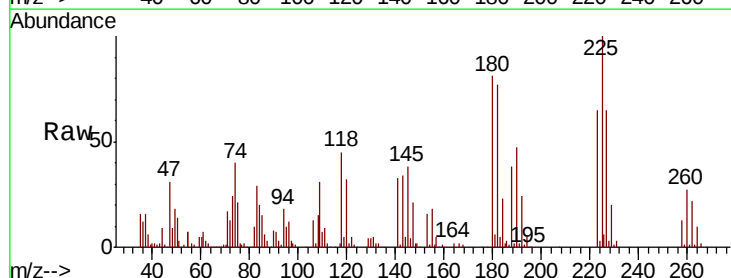
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 20.795 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.02 min
 Lab File: VF060570.D
 Acq: 5 Nov 2018 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	64688		
223	64.9	30.9	92.5	
227	65.2	33.9	101.6	

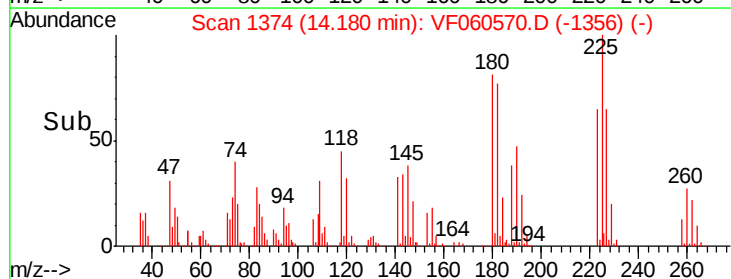
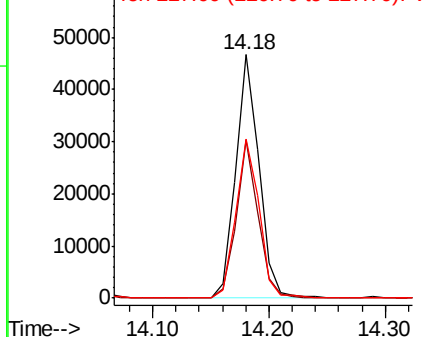


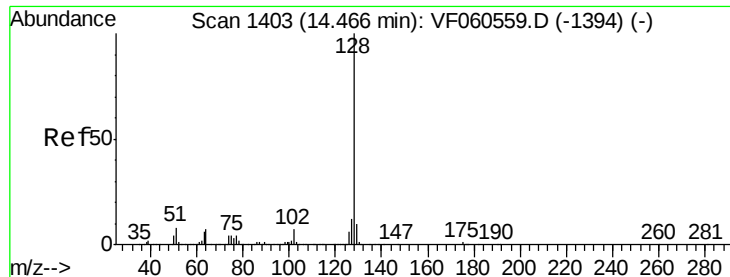
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





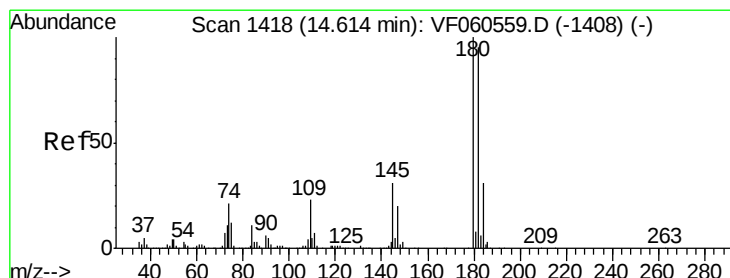
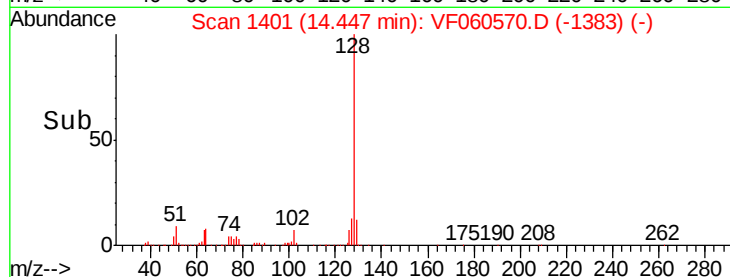
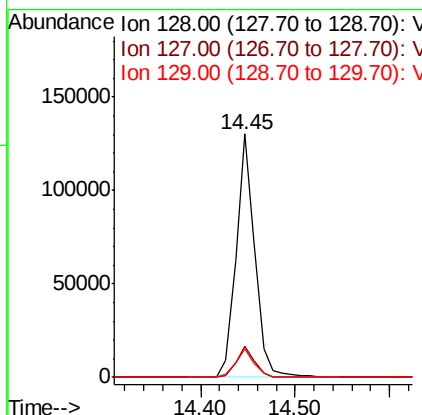
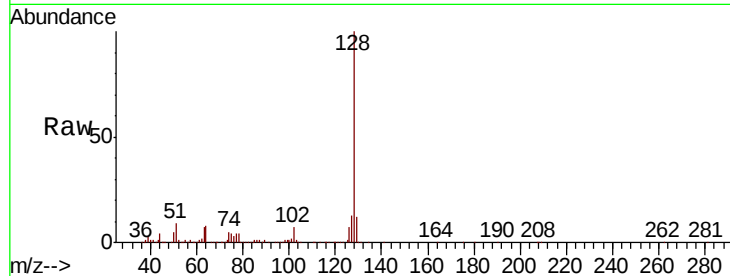
#95
Naphthalene
Concen: 18.618 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.02 min
Lab File: VF060570.D
Acq: 5 Nov 2018 13:32

Instrument :
MSVOA_F
ClientSampleId :
VF1105SBS01

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	12.9	9.4	14.0
129	11.9	8.4	12.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.951 ug/l
RT: 14.59 min Scan# 1416
Delta R.T. -0.02 min
Lab File: VF060570.D
Acq: 5 Nov 2018 13:32

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	93.6	47.3	142.0
145	31.0	15.6	46.8

