

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111218\
 Data File : VF060692.D
 Acq On : 12 Nov 2018 18:34
 Operator : VA/AP
 Sample : VF1112SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1112SBSD01

Manual Integrations
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 11/13/2018 2:11:05 PM

Quant Time: Nov 13 04:39:16 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	4.86	168	200333	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	363459	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.76	117	349368	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	183633	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	130729	64.59	ug/l	-0.02
Spiked Amount			Recovery	=	129.18%	
35) Dibromofluoromethane	4.10	113	150497	53.59	ug/l	0.00
Spiked Amount			Recovery	=	107.18%	
50) Toluene-d8	7.54	98	407268	48.96	ug/l	-0.02
Spiked Amount			Recovery	=	97.92%	
62) 4-Bromofluorobenzene	11.40	95	201974	55.51	ug/l	-0.02
Spiked Amount			Recovery	=	111.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	79152	36.752	ug/l	97
3) Chloromethane	1.10	50	47247	26.947	ug/l	99
4) Vinyl Chloride	1.14	62	42669	26.410	ug/l #	87
5) Bromomethane	1.33	94	26006	28.676	ug/l #	69
6) Chloroethane	1.37	64	17241	27.633	ug/l	100
7) Trichlorofluoromethane	1.48	101	93592	30.951	ug/l	97
8) Diethyl Ether	1.62	74	11949	21.321	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.81	101	48565	28.105	ug/l	95
10) Methyl Iodide	1.88	142	71908	25.288	ug/l #	83
11) Tert butyl alcohol	2.56	59	12149	110.837	ug/l #	79
12) 1,1-Dichloroethene	1.78	96	34861	23.954	ug/l	94
13) Acrolein	2.00	56	7248	87.232	ug/l	94
14) Allyl chloride	2.09	41	62424	26.269	ug/l	86
15) Acrylonitrile	2.93	53	23822	98.752	ug/l	92
16) Acetone	2.22	43	69028	144.726	ug/l #	91
17) Carbon Disulfide	1.82	76	102505m	25.004	ug/l	
18) Methyl Acetate	2.33	43	18204	24.815	ug/l	94
19) Methyl tert-butyl Ether	2.42	73	87012	25.576	ug/l	97
20) Methylene Chloride	2.18	84	40148m	25.738	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	38363	25.126	ug/l	97
22) Diisopropyl ether	2.79	45	115081	22.857	ug/l	97
23) Vinyl Acetate	3.17	43	298036	98.521	ug/l	96
24) 1,1-Dichloroethane	2.86	63	75744	25.994	ug/l	98
25) 2-Butanone	4.32	43	100769	92.079	ug/l #	89
26) 2,2-Dichloropropane	3.59	77	58503	26.833	ug/l	97
27) cis-1,2-Dichloroethene	3.46	96	62997	21.613	ug/l	92
28) Bromochloromethane	3.70	49	40344	22.062	ug/l	92
29) Tetrahydrofuran	4.05	42	37629	99.989	ug/l	99
30) Chloroform	3.84	83	114500	24.837	ug/l	95
31) Cyclohexane	3.67	56	88099	21.909	ug/l #	91
32) 1,1,1-Trichloroethane	4.08	97	92949	28.868	ug/l	95
36) 1,1-Dichloropropene	4.27	75	83151	20.778	ug/l	99
37) Ethyl Acetate	4.10	43	34535	17.977	ug/l #	83
38) Carbon Tetrachloride	3.97	117	85575	25.025	ug/l	93

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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	98241	20.116	ug/l	92
40) Benzene	4.62	78	185222	19.067	ug/l	97
41) Methacrylonitrile	4.73	41	20335	18.692	ug/l #	93
42) 1,2-Dichloroethane	4.93	62	64321	23.070	ug/l	87
43) Isopropyl Acetate	6.94	43	46113	18.977	ug/l #	96
44) Trichloroethene	5.49	130	61737	21.147	ug/l	96
45) 1,2-Dichloropropane	6.23	63	51316	20.655	ug/l	92
46) Dibromomethane	6.07	93	31463	19.962	ug/l	96
47) Bromodichloromethane	6.38	83	85168	22.403	ug/l	94
48) Methyl methacrylate	6.70	41	27419	17.953	ug/l	90
49) 1,4-Dioxane	6.69	88	5175	323.919	ug/l #	80
51) 4-Methyl-2-Pentanone	8.24	43	174693	106.905	ug/l	97
52) Toluene	7.61	92	125560	19.842	ug/l	93
53) t-1,3-Dichloropropene	8.27	75	68491	20.729	ug/l	99
54) cis-1,3-Dichloropropene	7.29	75	86259	20.662	ug/l	92
55) 1,1,2-Trichloroethane	8.48	97	36316	19.722	ug/l	95
56) Ethyl methacrylate	8.61	69	49984	21.098	ug/l	93
57) 1,3-Dichloropropane	8.84	76	68080	21.071	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.61	63	19056	114.433	ug/l	100
59) 2-Hexanone	9.48	43	148648	124.531	ug/l	97
60) Dibromochloromethane	8.71	129	53882	20.923	ug/l	95
61) 1,2-Dibromoethane	8.97	107	39329	20.310	ug/l	97
64) Tetrachloroethene	8.14	164	51799	18.918	ug/l	96
65) Chlorobenzene	9.79	112	143073	20.025	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.92	131	57875	19.171	ug/l	94
67) Ethyl Benzene	9.89	91	258800	19.961	ug/l	99
68) m/p-Xylenes	10.13	106	192917	39.501	ug/l	89
69) o-Xylene	10.71	106	111110	20.835	ug/l	97
70) Styrene	10.78	104	157721	20.415	ug/l #	90
71) Bromoform	10.77	173	30018	19.253	ug/l #	97
73) Isopropylbenzene	11.11	105	329364	22.998	ug/l	93
74) N-amyl acetate	11.37	43	89505	22.721	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	55505	21.234	ug/l	94
76) 1,2,3-Trichloropropane	11.86	75	26275	20.453	ug/l	99
77) Bromobenzene	11.49	156	68460	21.847	ug/l	94
78) n-propylbenzene	11.59	91	393290	23.472	ug/l	99
79) 2-Chlorotoluene	11.71	91	215659	22.537	ug/l	97
80) 1,3,5-Trimethylbenzene	11.82	105	264456	22.403	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.86	75	20433m	20.238	ug/l	
82) 4-Chlorotoluene	11.89	91	218756	21.911	ug/l	100
83) tert-Butylbenzene	12.13	119	270454	22.427	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	252871	21.874	ug/l	97
85) sec-Butylbenzene	12.30	105	374124	22.552	ug/l	97
86) p-Isopropyltoluene	12.45	119	310666	22.741	ug/l	97
87) 1,3-Dichlorobenzene	12.46	146	133624	21.725	ug/l	93
88) 1,4-Dichlorobenzene	12.56	146	123644	21.194	ug/l	96
89) n-Butylbenzene	12.84	91	323021	21.783	ug/l	92
90) Hexachloroethane	12.91	117	76142	21.917	ug/l	85
91) 1,2-Dichlorobenzene	12.94	146	127052	22.080	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	9938	21.883	ug/l	81

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ClientSampleId :
VF1112SBSD01

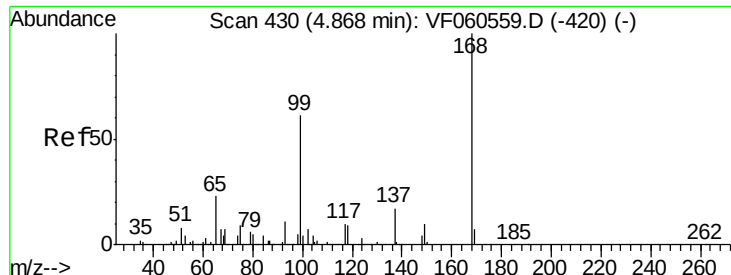
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Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	90146	23.060	ug/l	97
94) Hexachlorobutadiene	14.18	225	58547	23.113	ug/l	95
95) Naphthalene	14.45	128	166079	21.226	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	82899	22.449	ug/l	95

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



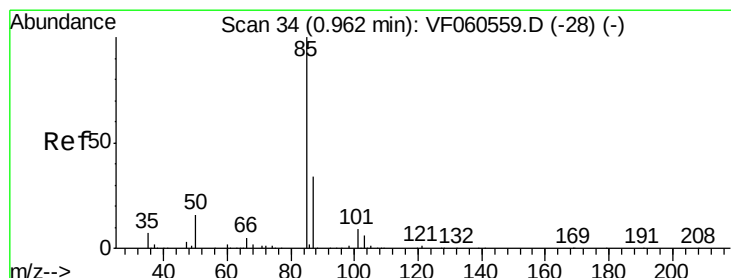
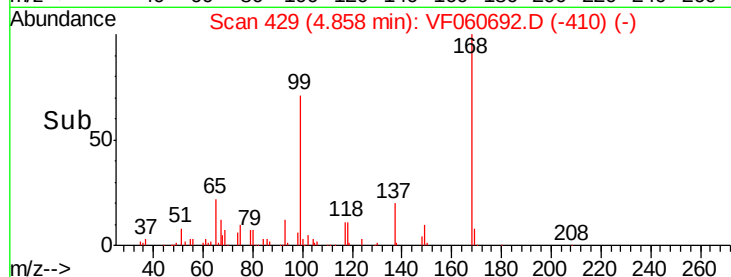
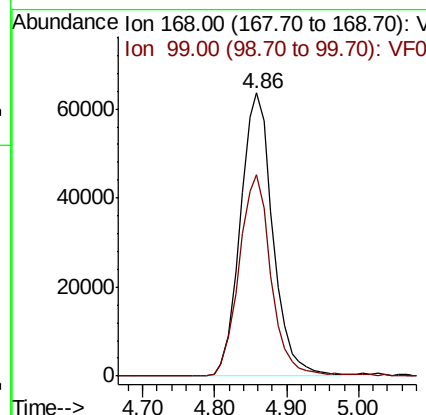
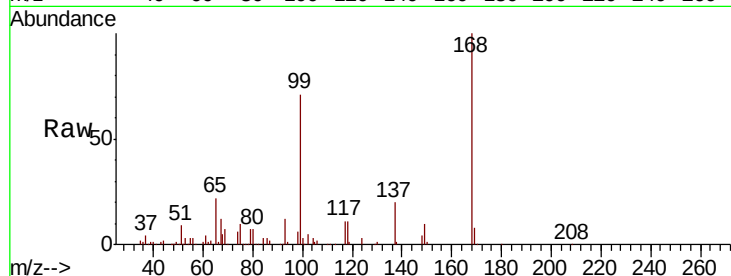
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.86 min Scan# 429
Delta R.T. -0.01 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Instrument :
MSVOA_F
ClientSampleId :
VF1112SBSD01

Tot Ion	Ratio	Lower	Upper
168	100		
99	71.2	48.6	72.8

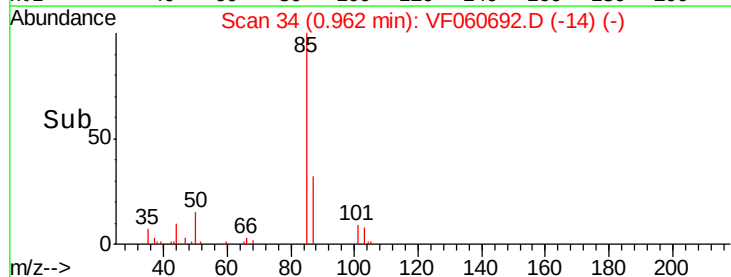
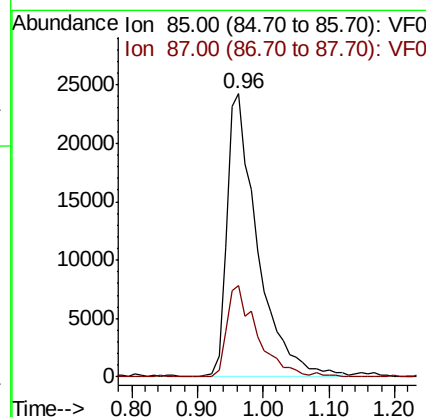
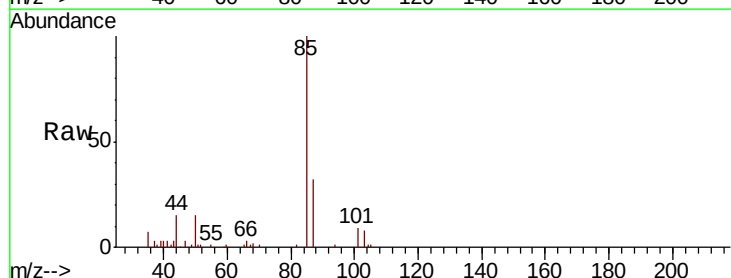
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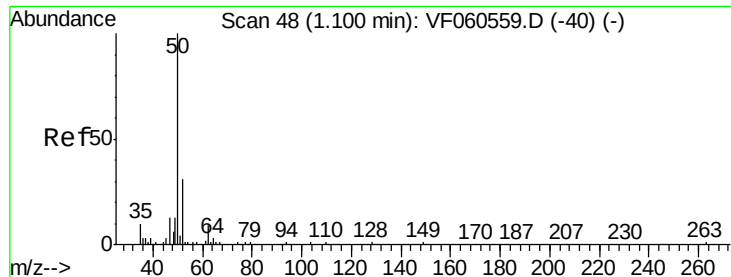
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#2
Dichlorodifluoromethane
Concen: 36.752 ug/l
RT: 0.96 min Scan# 34
Delta R.T. 0.00 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.9	50.7





#3

Chloromethane

Concen: 26.947 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBS01

Tot Ion: 50 Resp: 47247

Ion Ratio Lower Upper

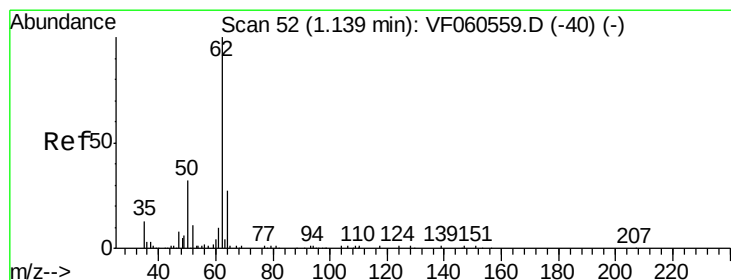
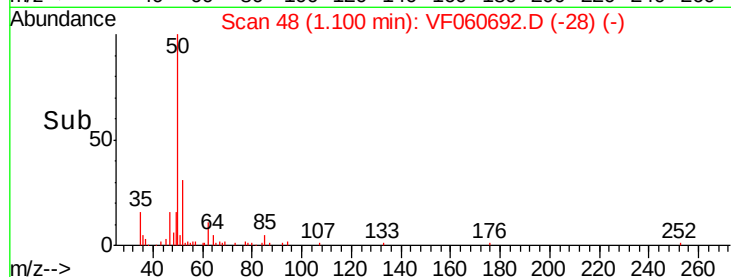
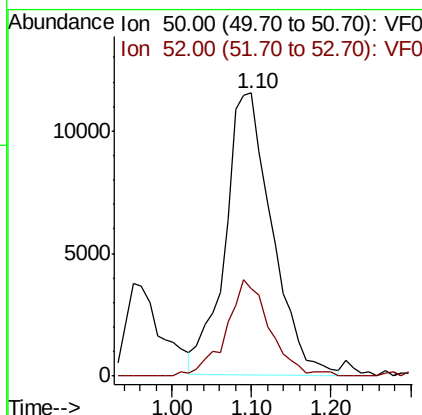
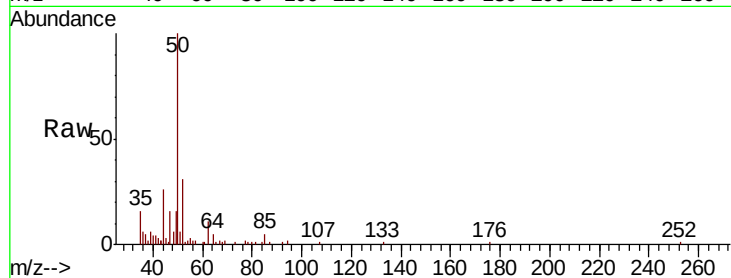
50 100

52 30.8 24.0 36.0

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#4

Vinyl Chloride

Concen: 26.410 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF060692.D

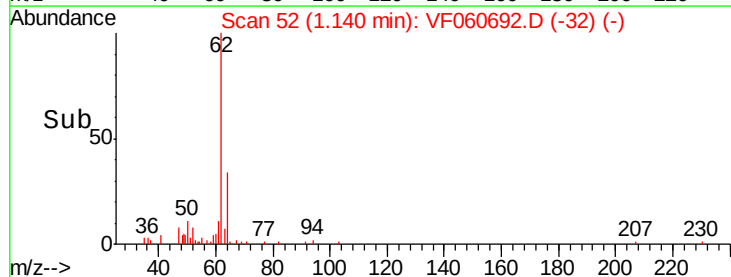
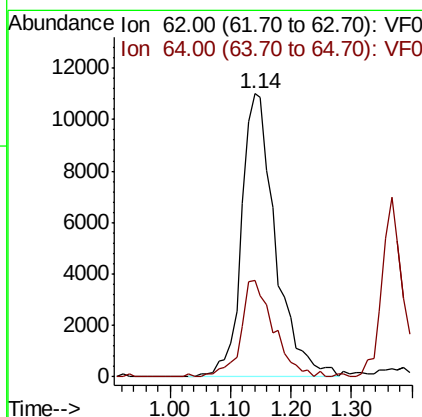
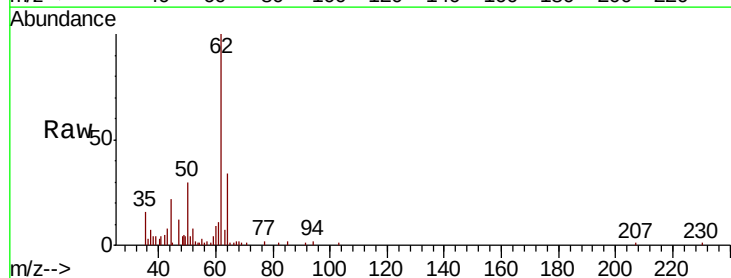
Acq: 12 Nov 2018 18:34

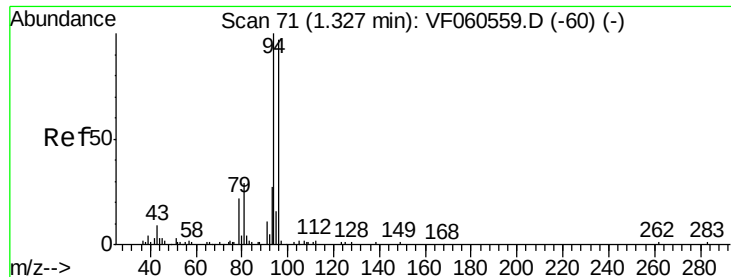
Tgt Ion: 62 Resp: 42669

Ion Ratio Lower Upper

62 100

64 34.1 21.8 32.6#





#5

Bromomethane

Concen: 28.676 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.00 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBSD01

Tot Ion: 94 Resp: 26006

Ion Ratio Lower Upper

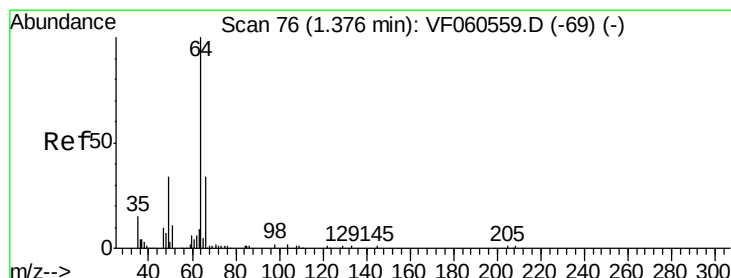
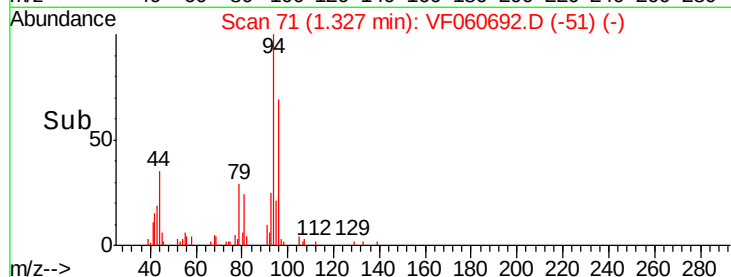
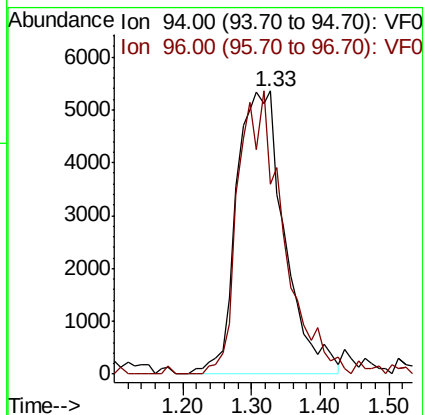
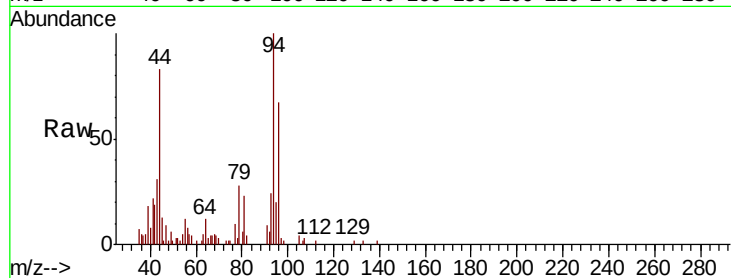
94 100

96 67.0 77.9 116.9#

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#6

Chloroethane

Concen: 27.633 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.01 min

Lab File: VF060692.D

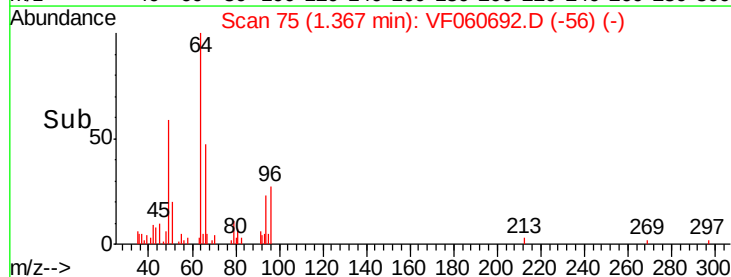
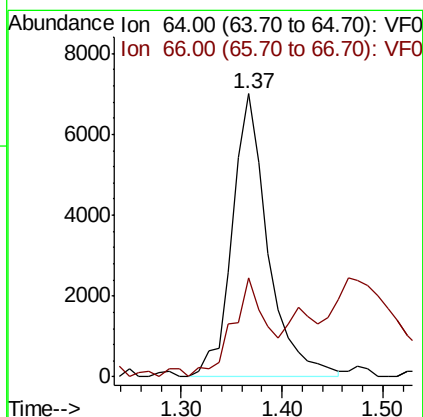
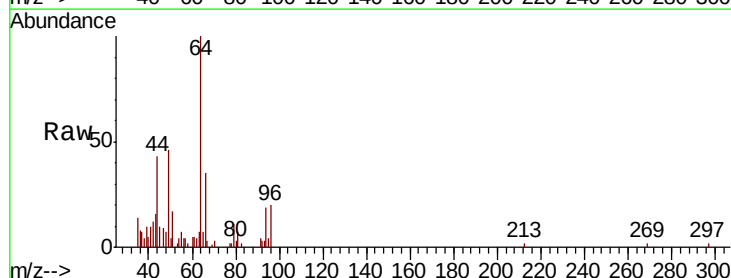
Acq: 12 Nov 2018 18:34

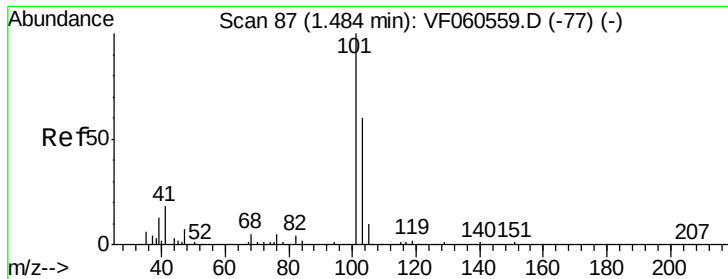
Tgt Ion: 64 Resp: 17241

Ion Ratio Lower Upper

64 100

66 34.8 27.8 41.8





#7

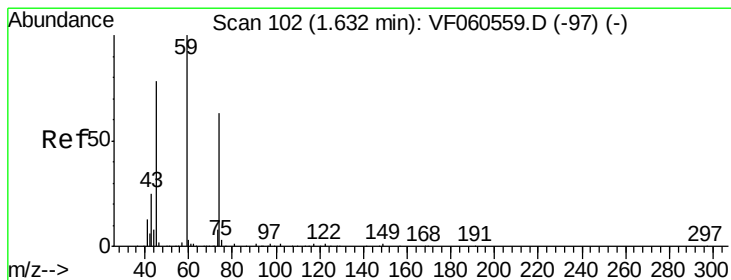
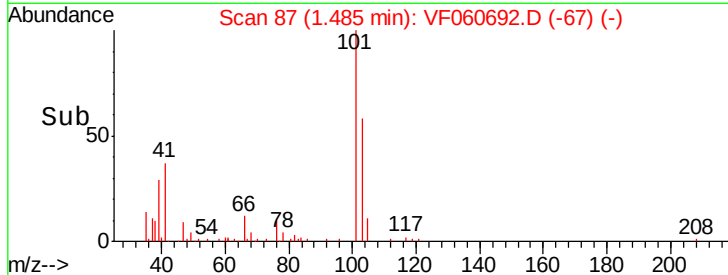
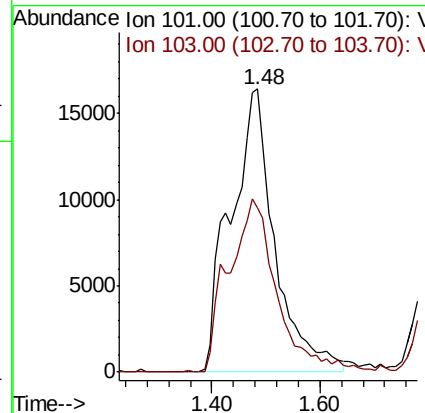
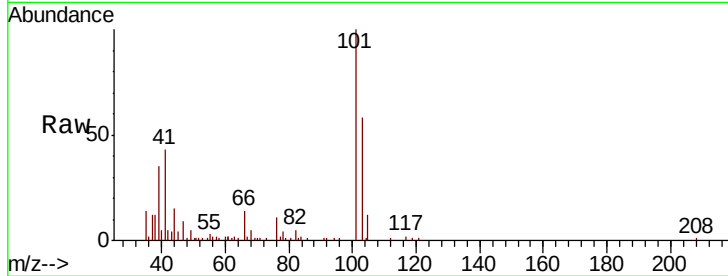
Trichlorofluoromethane
Concen: 30.951 ug/l
RT: 1.48 min Scan# 87
Delta R.T. 0.00 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Instrument :
MSVOA_F
ClientSampleId :
VF1112SBSD01

Tot Ion:101 Resp: 93592
Ion Ratio Lower Upper
101 100
103 58.0 48.0 72.0

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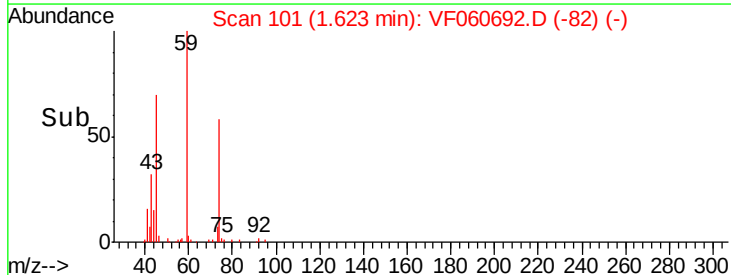
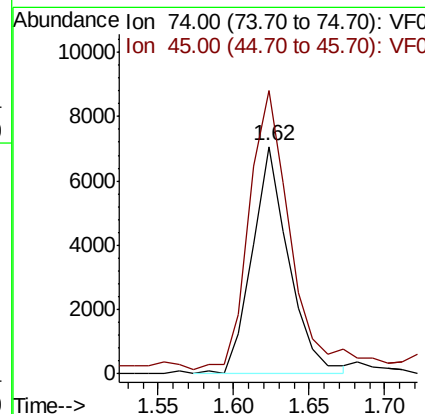
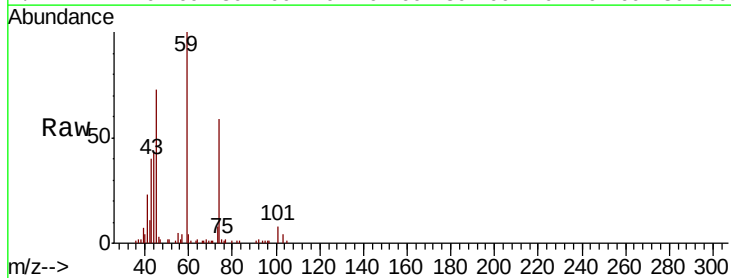
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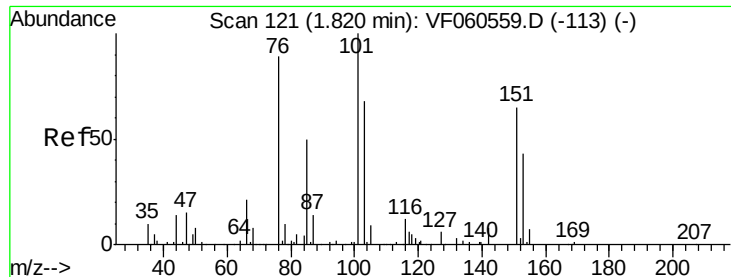


#8

Diethyl Ether
Concen: 21.321 ug/l
RT: 1.62 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Tgt Ion: 74 Resp: 11949
Ion Ratio Lower Upper
74 100
45 124.5 63.8 191.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 28.105 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

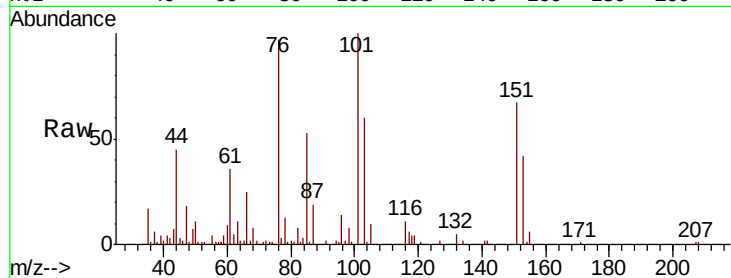
ClientSampleId :

VF1112SBSD01

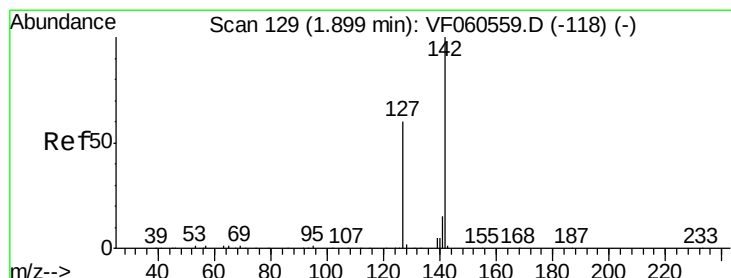
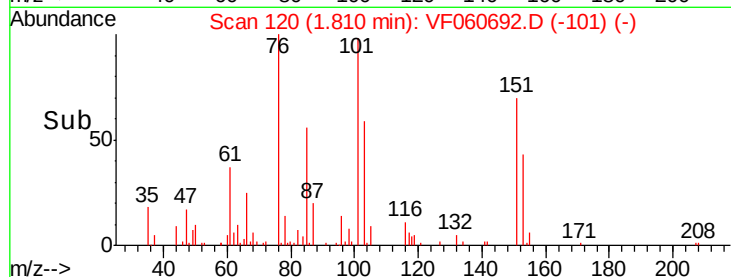
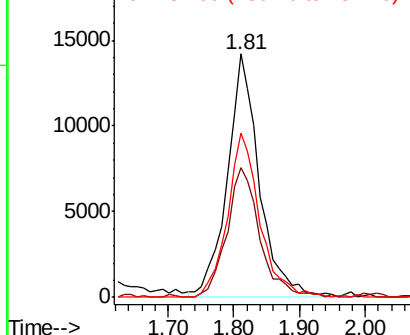
Tot Ion:	101	Resp:	48565
Ion Ratio	Lower	Upper	
101	100		
85	53.3	39.8	59.6
151	67.3	50.8	76.2

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Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VF0
Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 25.288 ug/l

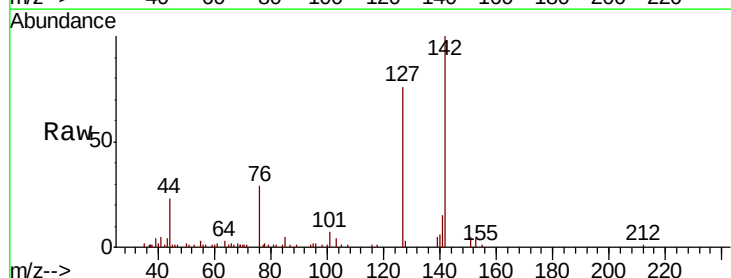
RT: 1.88 min Scan# 127

Delta R.T. -0.02 min

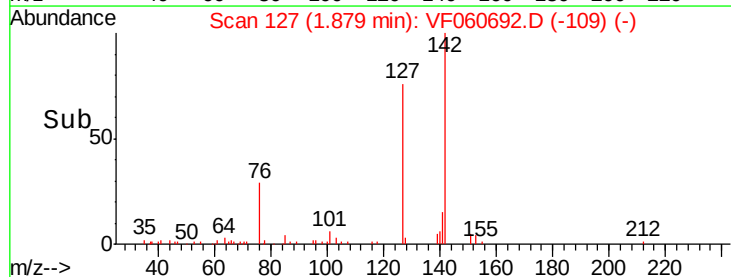
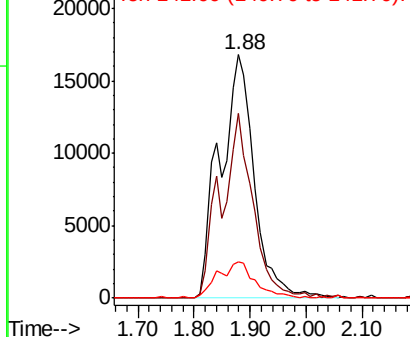
Lab File: VF060692.D

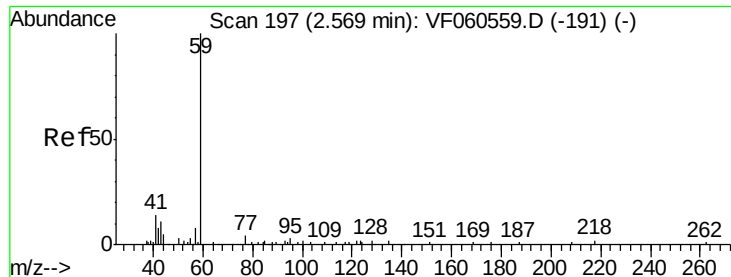
Acq: 12 Nov 2018 18:34

Tgt Ion:	142	Resp:	71908
Ion Ratio	Lower	Upper	
142	100		
127	76.0	47.8	71.6#
141	15.0	12.7	19.1



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V





#11

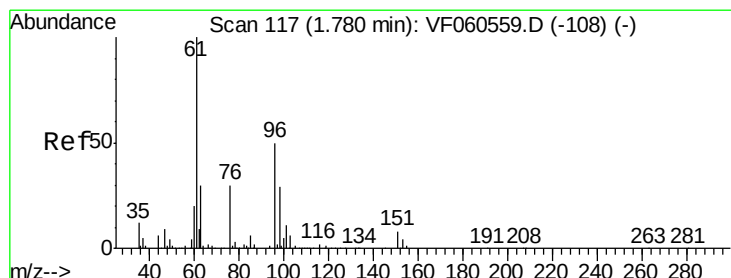
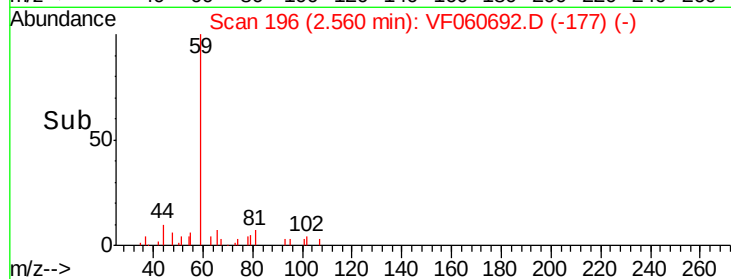
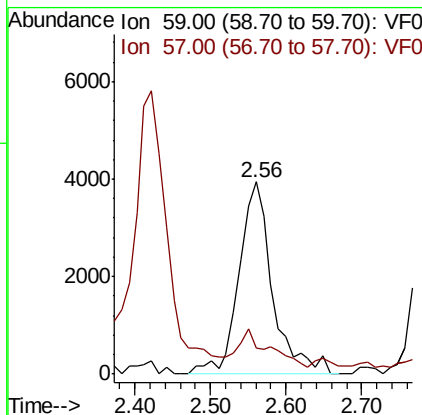
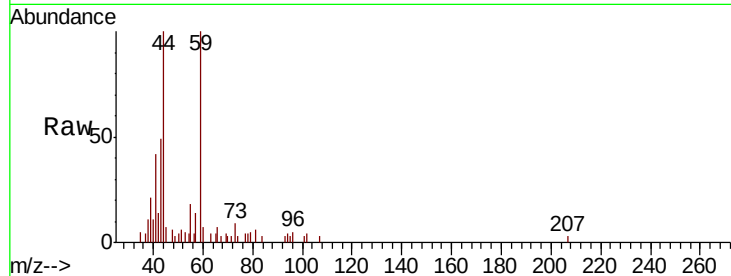
Tert butyl alcohol
Concen: 110.837 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.01 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Instrument :
MSVOA_F
ClientSampleId :
VF1112SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.6	19.0	28.4#

Manual Integrations
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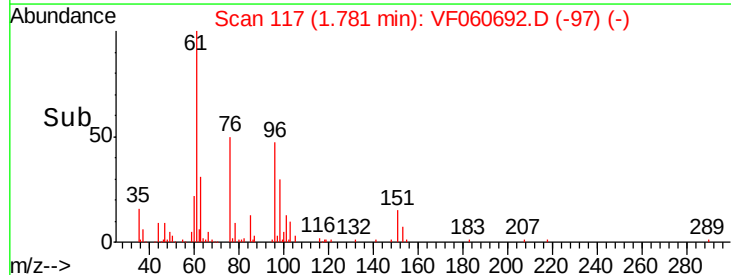
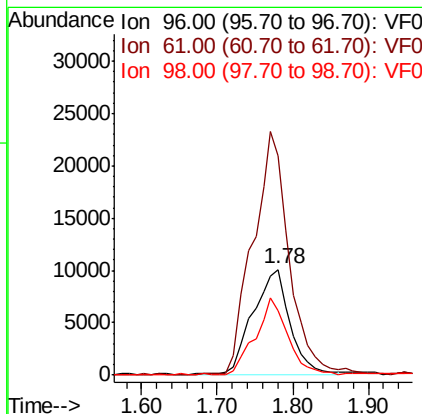
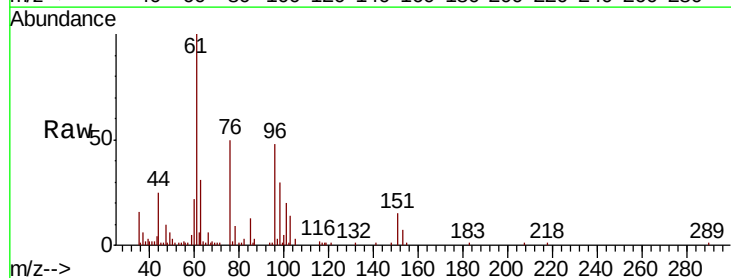
MMDadoda
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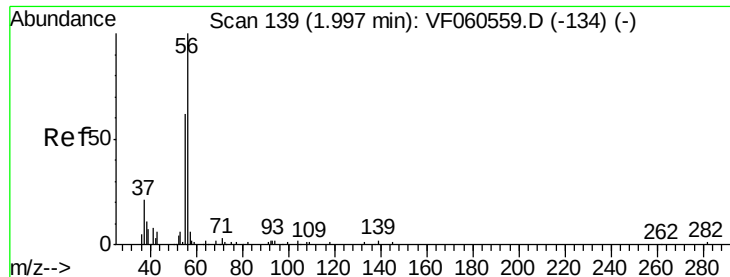


#12

1,1-Dichloroethene
Concen: 23.954 ug/l
RT: 1.78 min Scan# 117
Delta R.T. 0.00 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	207.6	158.1	237.1
98	61.6	47.0	70.6





#13

Acrolein

Concen: 87.232 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBS01

Tot Ion: 56 Resp: 7248

Ion Ratio Lower Upper

56 100

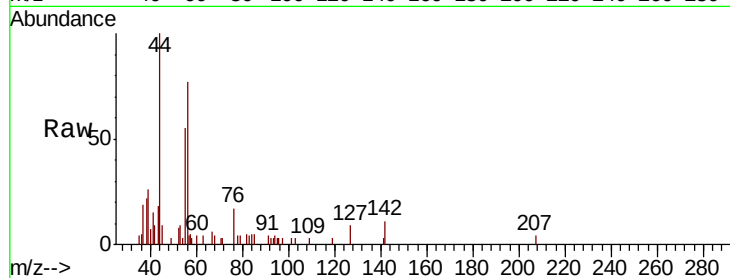
55 71.7 61.8 92.6

Manual Integrations

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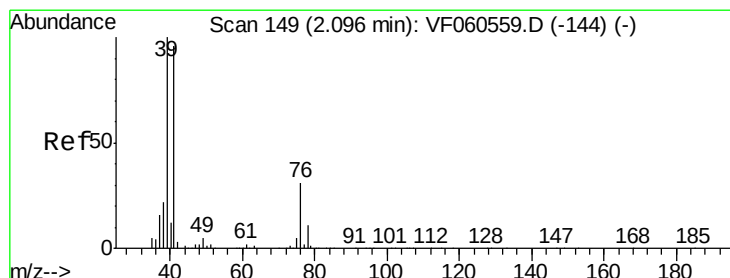
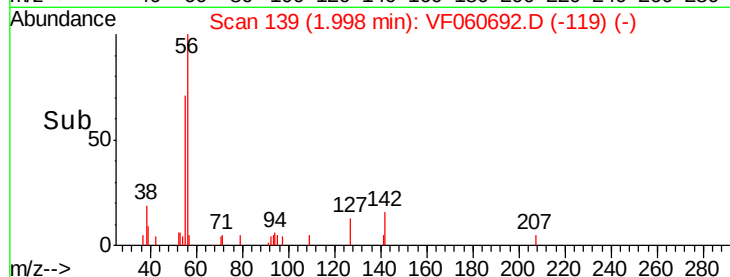
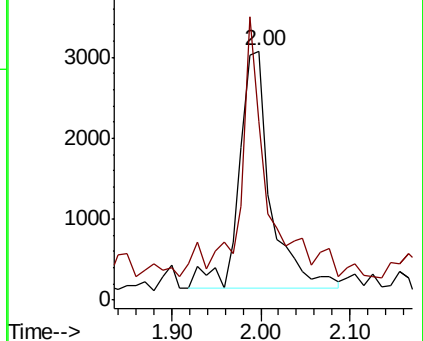
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 26.269 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

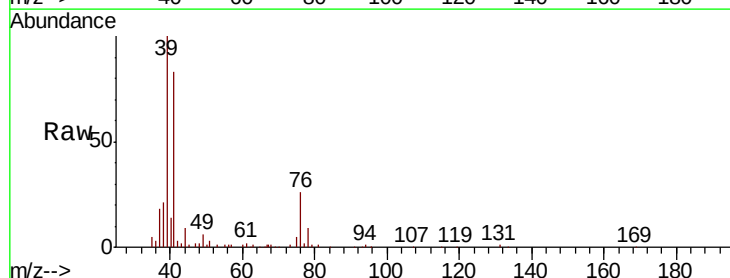
Tgt Ion: 41 Resp: 62424

Ion Ratio Lower Upper

41 100

39 120.7 82.6 124.0

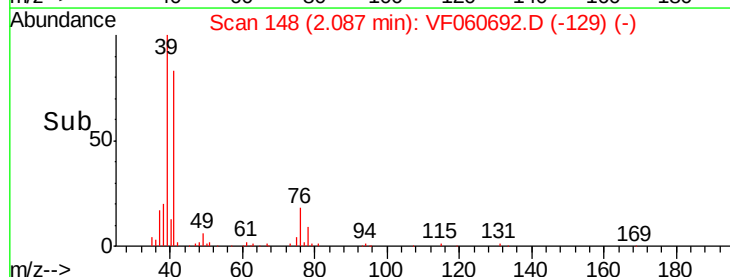
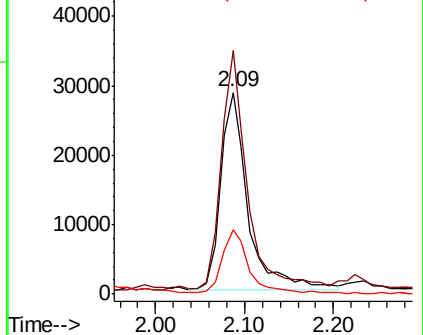
76 31.7 26.7 40.1

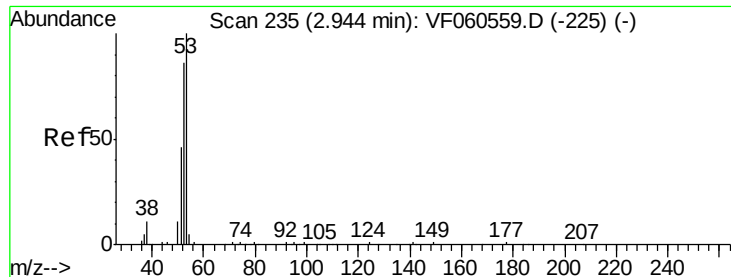


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 98.752 ug/l

RT: 2.93 min Scan# 234

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

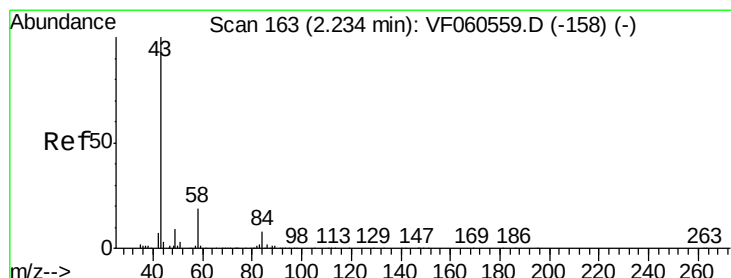
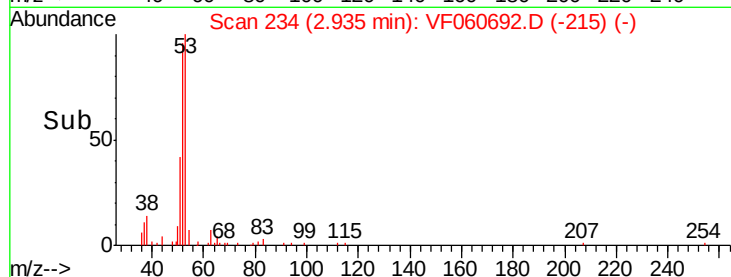
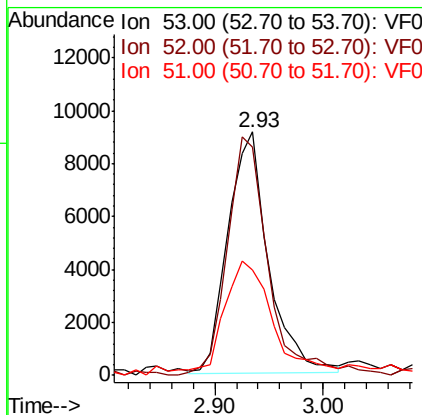
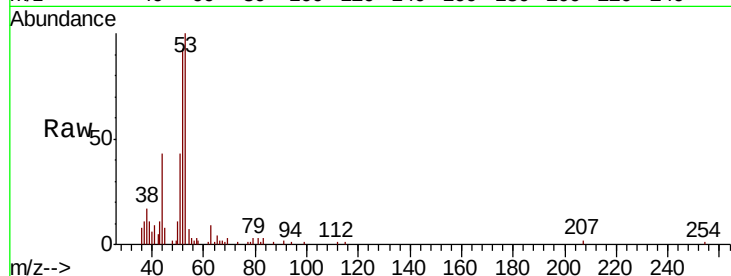
ClientSampleId :

VF1112SBS01

Tot Ion:	53	Resp:	23822
Ion	Ratio	Lower	Upper
53	100		
52	93.5	68.5	102.7
51	43.3	38.2	57.2

Manual Integrations
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#16

Acetone

Concen: 144.726 ug/l

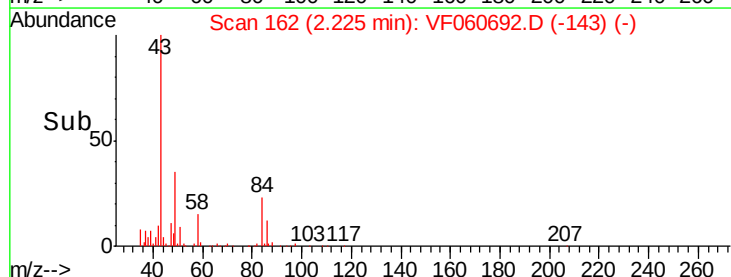
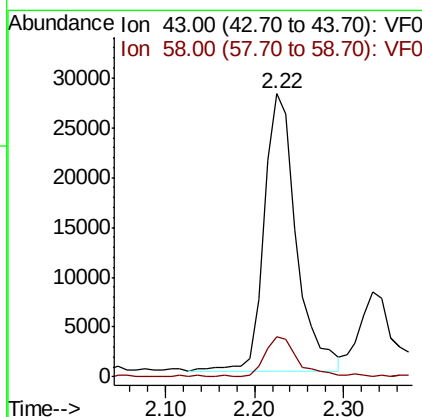
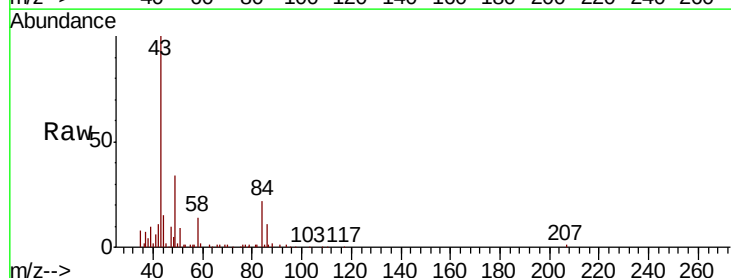
RT: 2.22 min Scan# 162

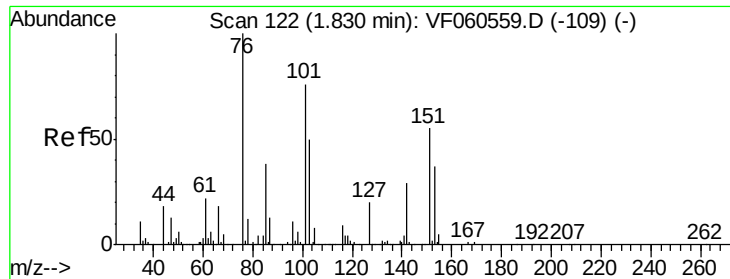
Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Tgt Ion:	43	Resp:	69028
Ion	Ratio	Lower	Upper
43	100		
58	14.1	14.6	22.0#





#17

Carbon Disulfide

Concen: 25.004 ug/l m

RT: 1.82 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Tot Ion: 76 Resp: 102505

Ion Ratio Lower Upper

76 100

78 14.2 9.9 14.9

Instrument :

MSVOA_F

ClientSampleId :

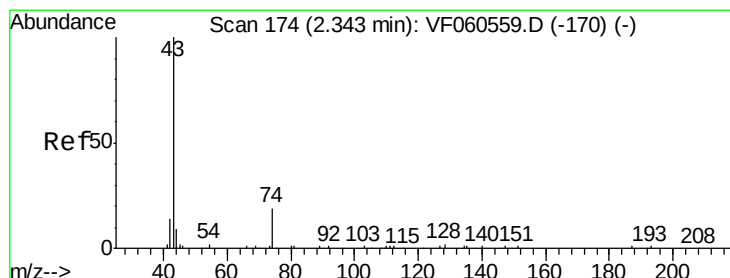
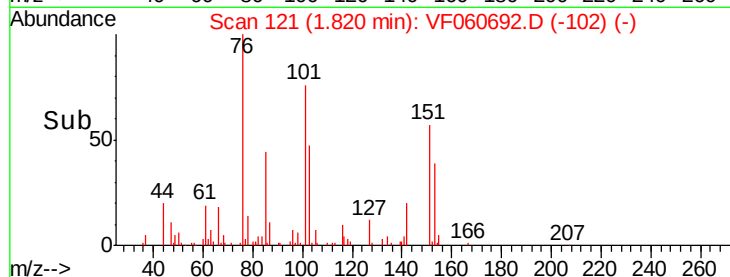
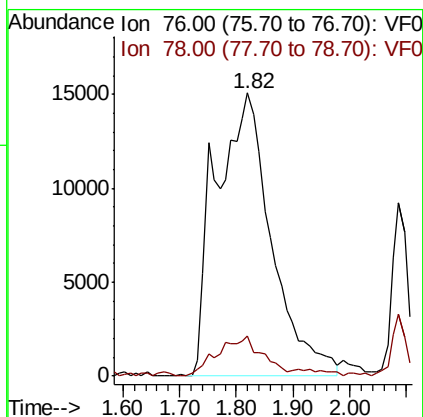
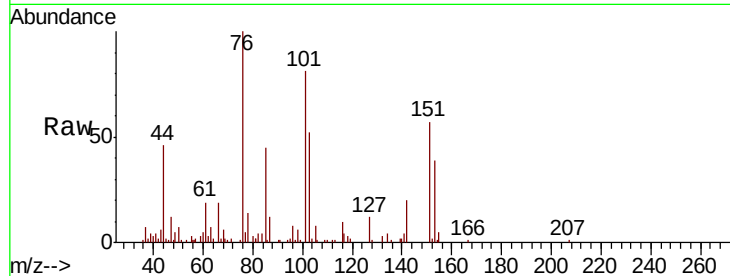
VF1112SBSD01

Manual Integrations

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#18

Methyl Acetate

Concen: 24.815 ug/l

RT: 2.33 min Scan# 173

Delta R.T. -0.01 min

Lab File: VF060692.D

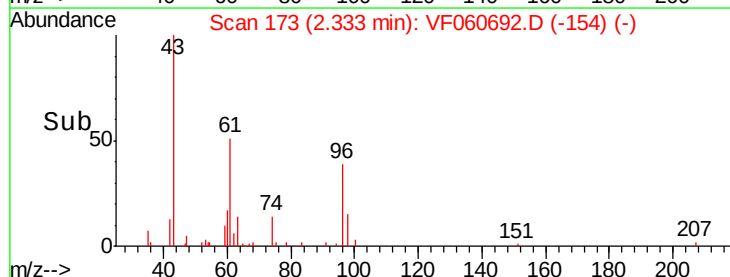
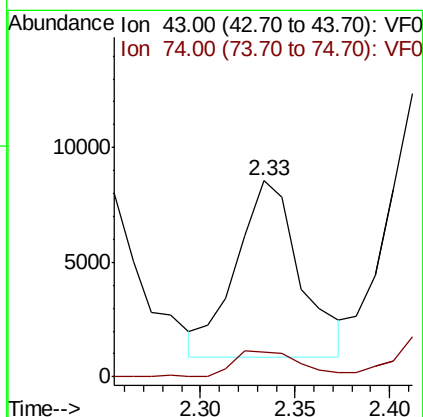
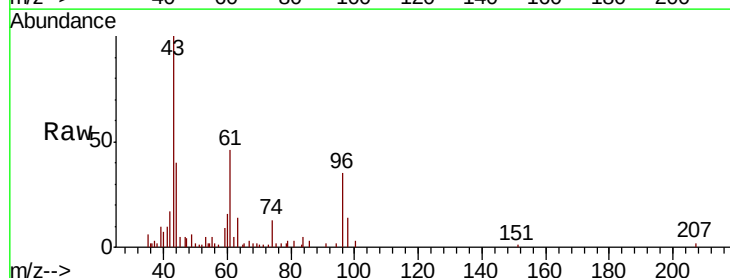
Acq: 12 Nov 2018 18:34

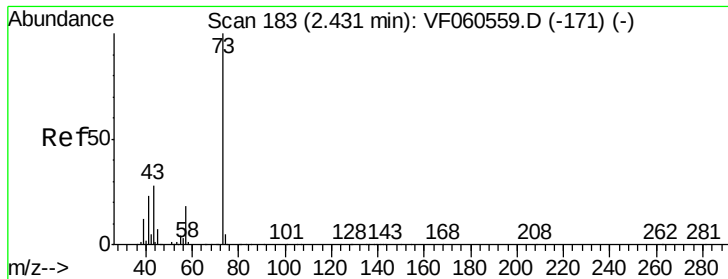
Tgt Ion: 43 Resp: 18204

Ion Ratio Lower Upper

43 100

74 12.6 12.1 18.1





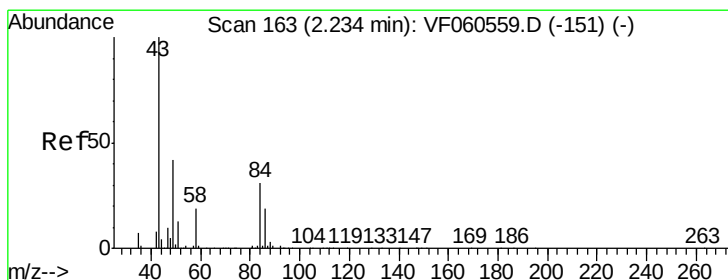
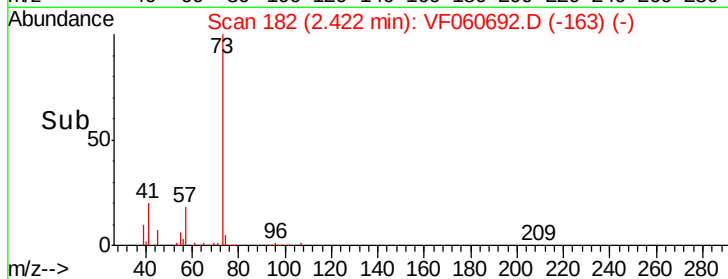
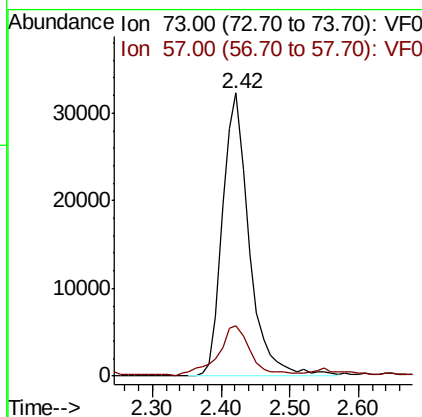
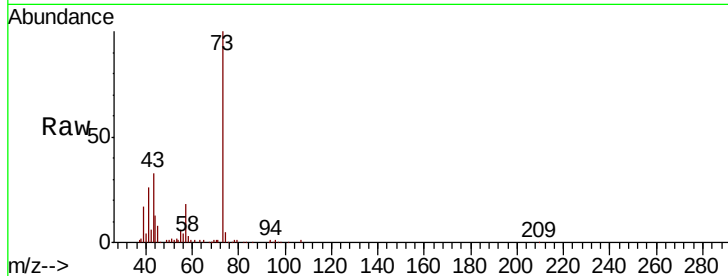
#19
Methyl tert-butyl Ether
Concen: 25.576 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Instrument :
MSVOA_F
ClientSampleId :
VF1112SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.0	15.4	23.0

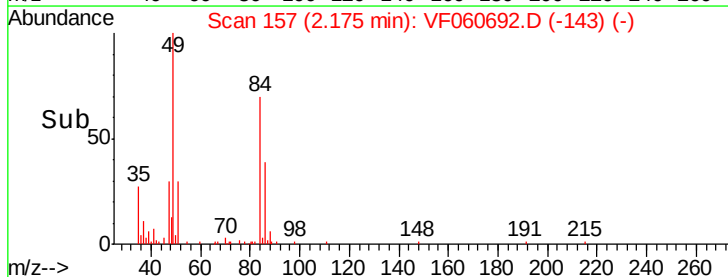
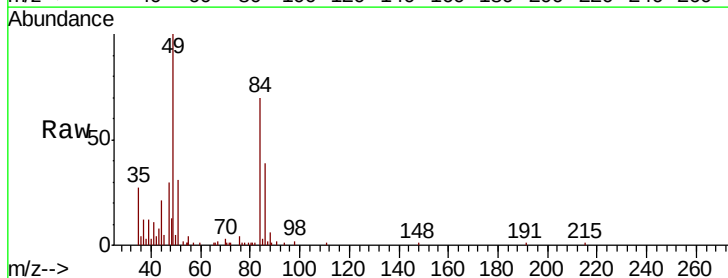
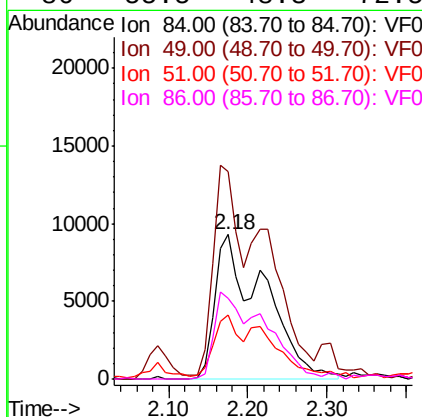
Manual Integrations
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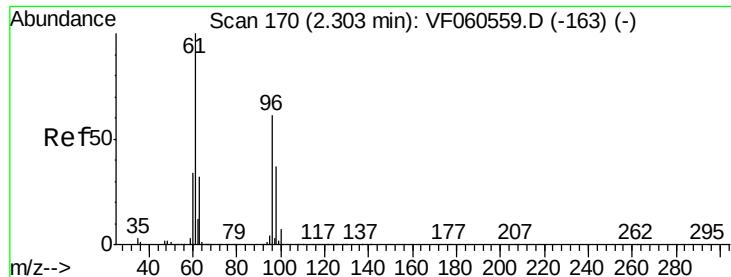
MMDadoda
11/13/2018 2:11:05 PM



#20
Methylene Chloride
Concen: 25.738 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. -0.06 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	143.2	109.9	164.9
51	44.4	35.8	53.8
86	55.5	48.3	72.5





#21

trans-1,2-Dichloroethene

Concen: 25.126 ug/l

RT: 2.30 min Scan# 170

Delta R.T. 0.00 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

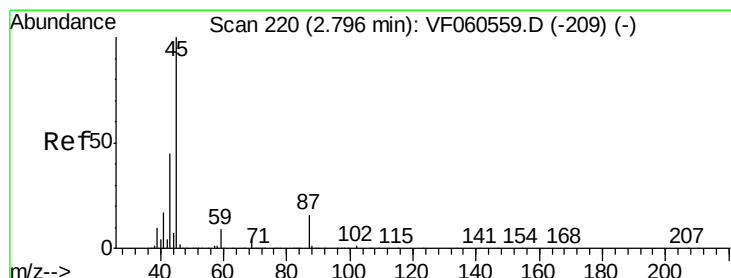
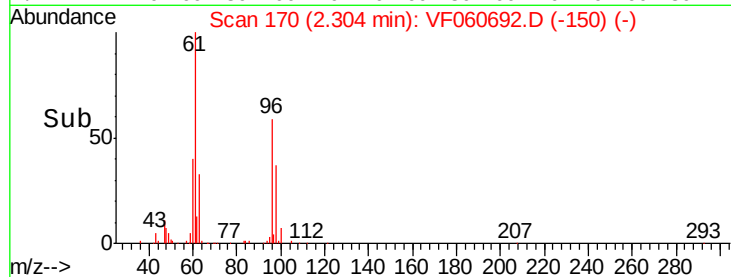
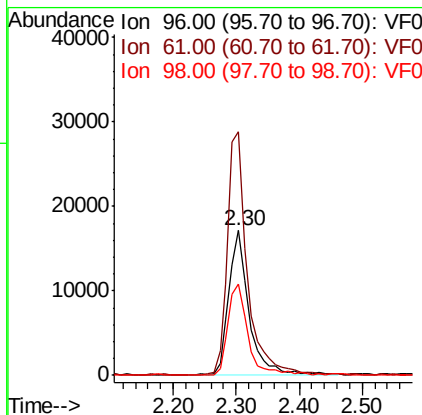
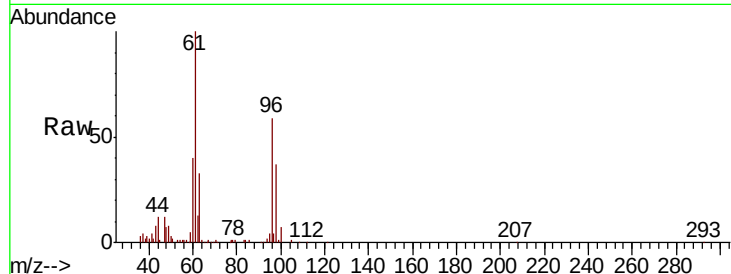
ClientSampleId :

VF1112SBSD01

Tot Ion:	96	Resp:	38363
Ion	Ratio	Lower	Upper
96	100		
61	168.1	131.3	196.9
98	62.8	48.6	73.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.857 ug/l

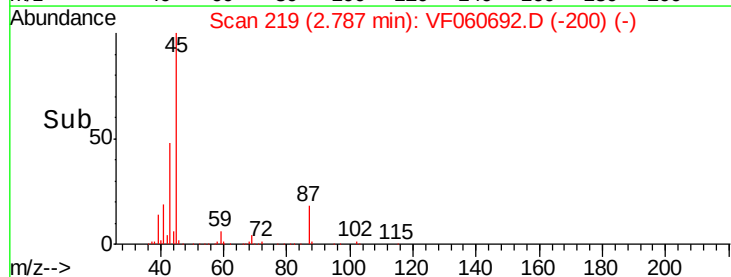
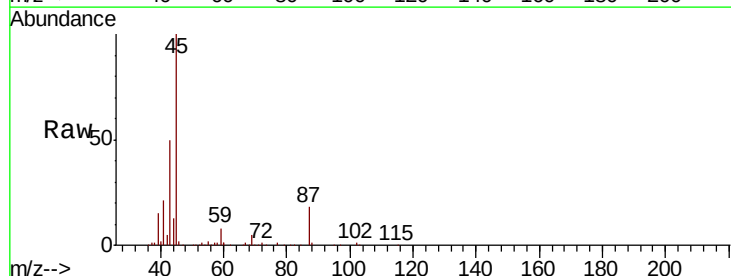
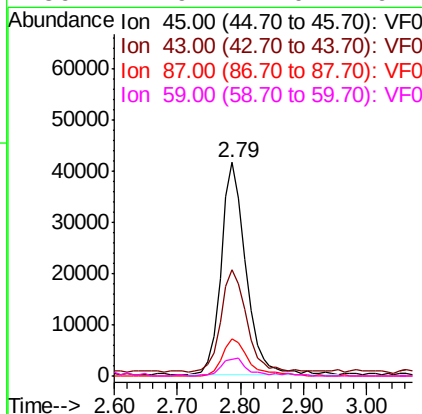
RT: 2.79 min Scan# 219

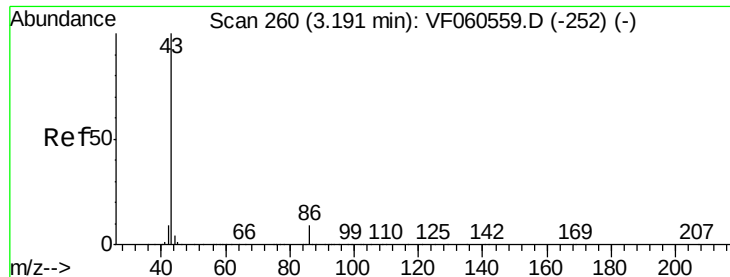
Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Tgt Ion:	45	Resp:	115081
Ion	Ratio	Lower	Upper
45	100		
43	49.5	38.1	57.1
87	17.5	12.7	19.1
59	7.9	7.0	10.4





#23

Vinyl Acetate

Concen: 98.521 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.02 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBSD01

Tot Ion: 43 Resp: 298036

Ion Ratio Lower Upper

43 100

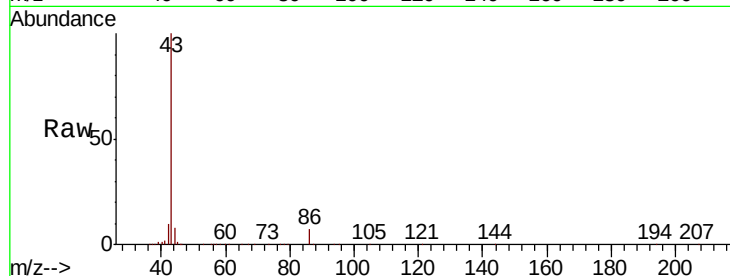
86 7.3 7.1 10.7

Manual Integrations

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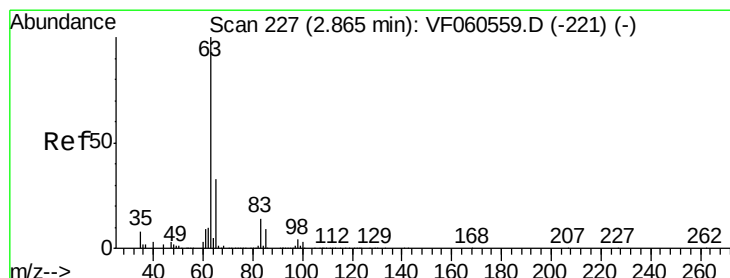
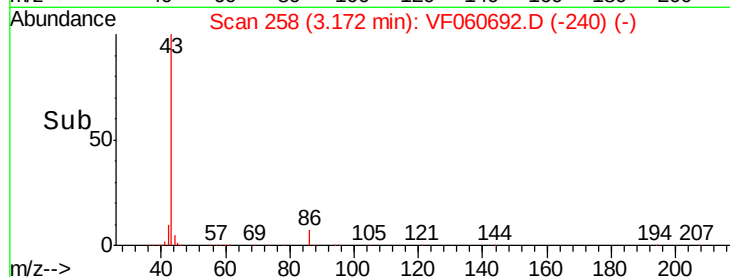
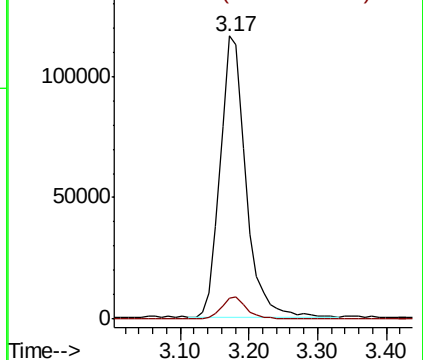
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 25.994 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

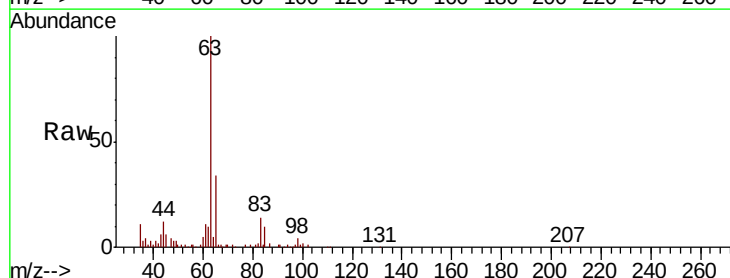
Tgt Ion: 63 Resp: 75744

Ion Ratio Lower Upper

63 100

98 3.7 2.2 6.6

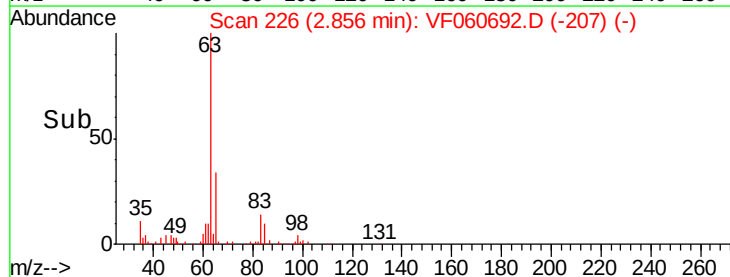
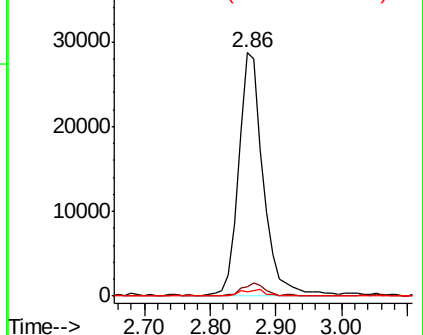
100 1.7 1.4 4.0

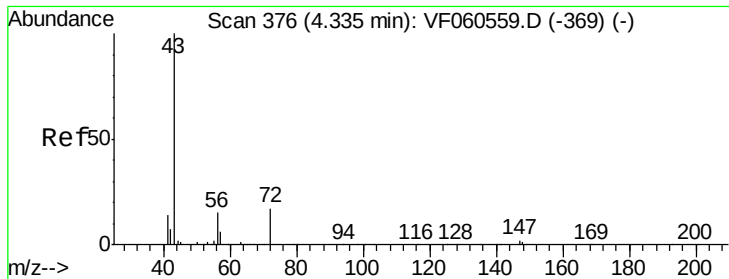


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 92.079 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.02 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBSD01

Tot Ion: 43 Resp: 100769

Ion Ratio Lower Upper

43 100

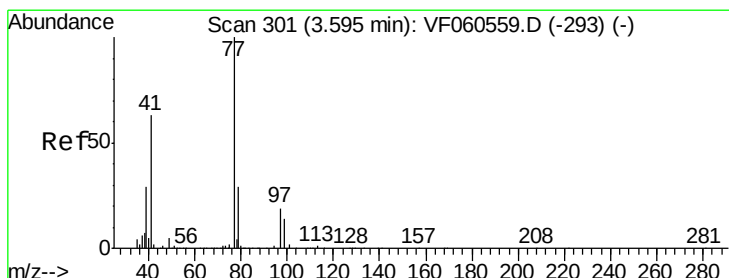
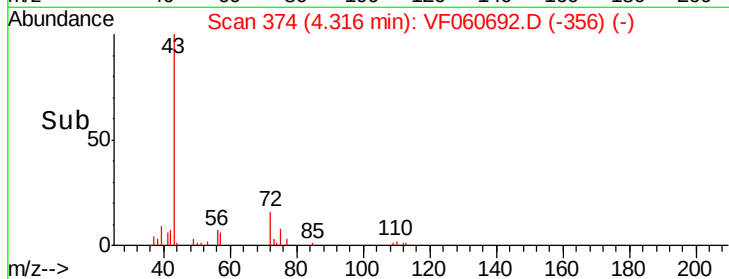
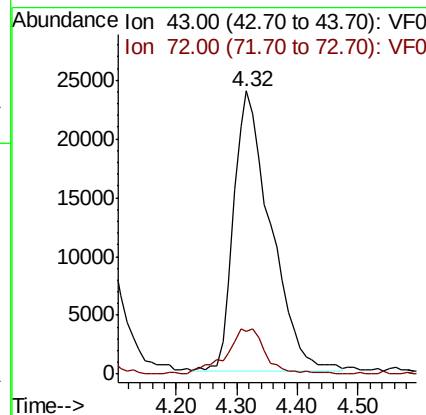
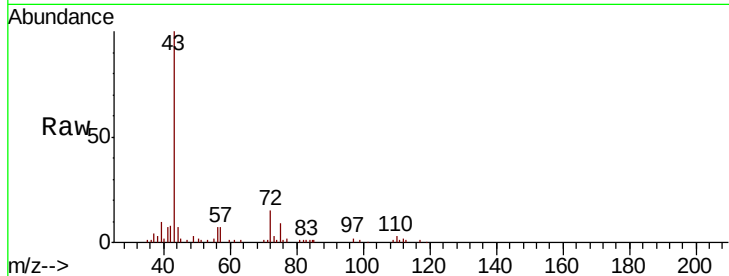
72 15.2 16.2 24.2#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 26.833 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.01 min

Lab File: VF060692.D

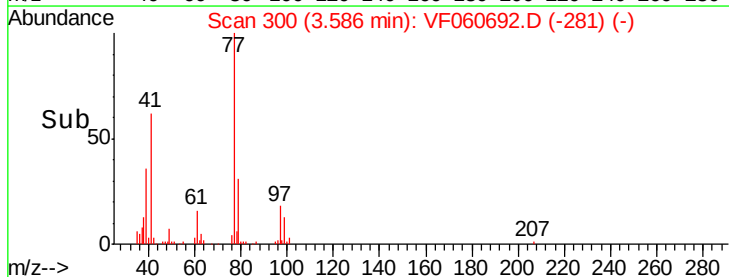
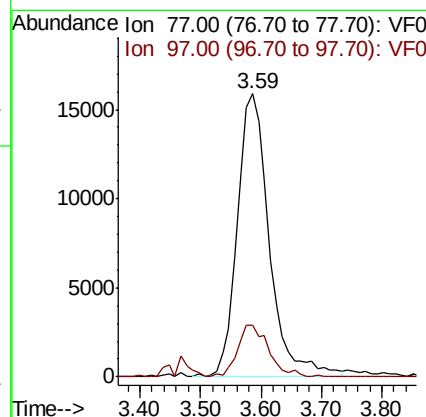
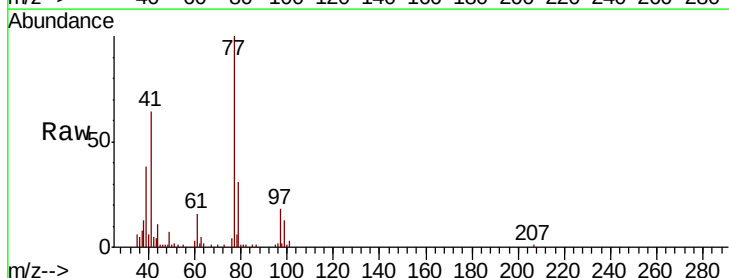
Acq: 12 Nov 2018 18:34

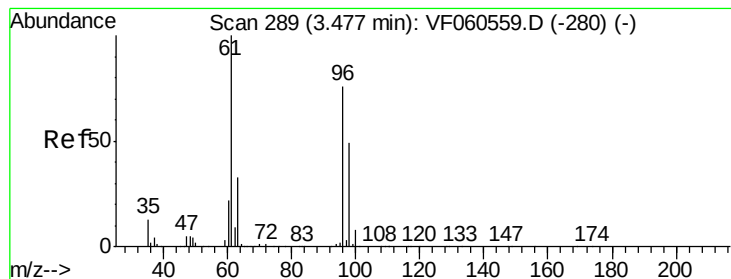
Tgt Ion: 77 Resp: 58503

Ion Ratio Lower Upper

77 100

97 18.0 9.8 29.3





#27

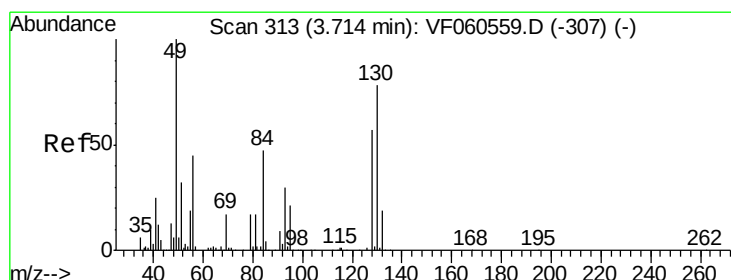
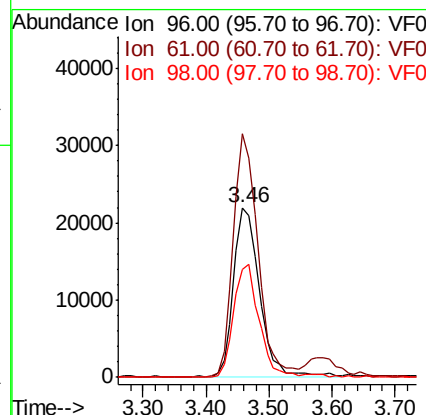
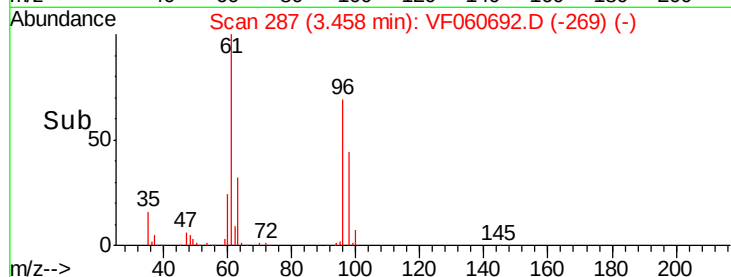
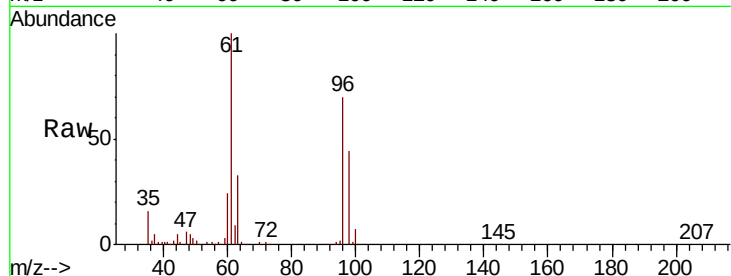
cis-1,2-Dichloroethene
 Concen: 21.613 ug/l
 RT: 3.46 min Scan# 287
 Delta R.T. -0.02 min
 Lab File: VF060692.D
 Acq: 12 Nov 2018 18:34

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1112SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		62997		
61	143.4	0.0	263.0		
98	63.6	0.0	130.6		

Manual Integrations
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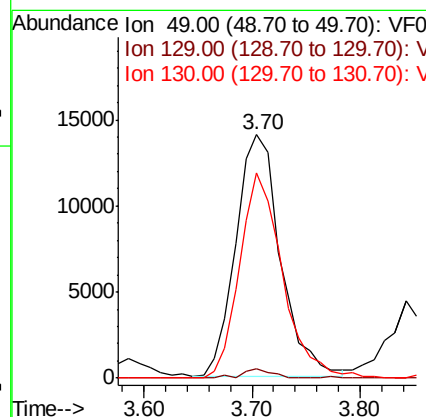
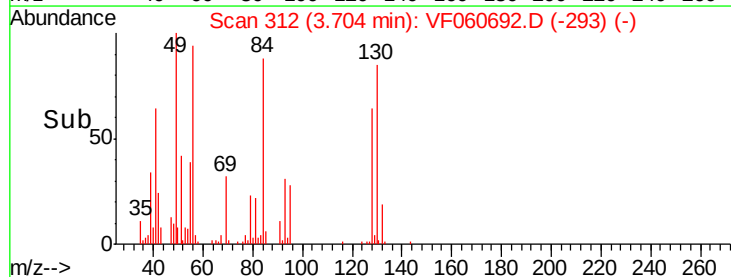
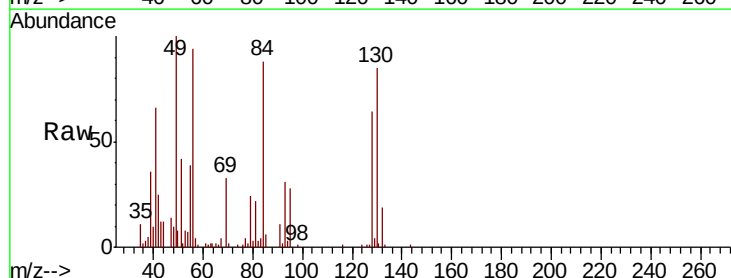
MMDadoda
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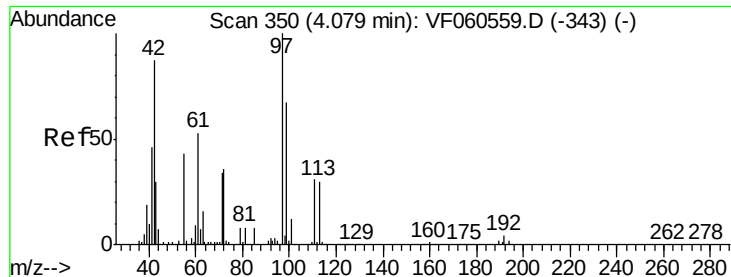


#28

Bromochloromethane
 Concen: 22.062 ug/l
 RT: 3.70 min Scan# 312
 Delta R.T. -0.01 min
 Lab File: VF060692.D
 Acq: 12 Nov 2018 18:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100		40344		
129	3.9	0.0	4.6		
130	84.5	61.8	92.8		





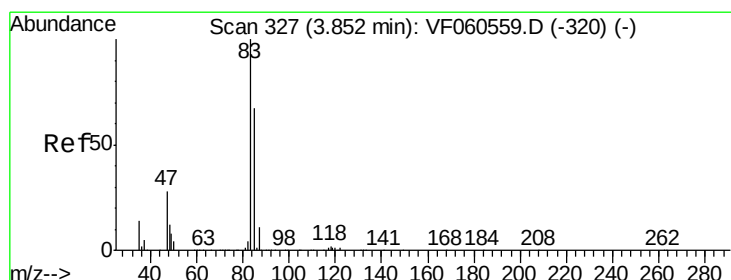
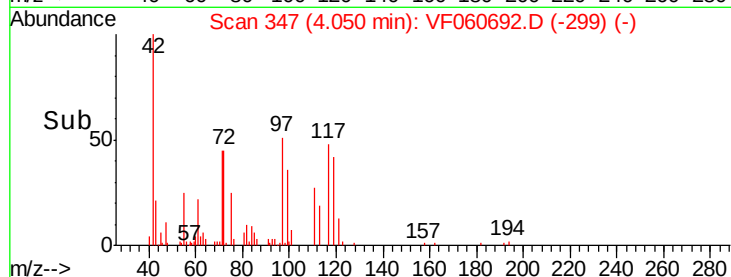
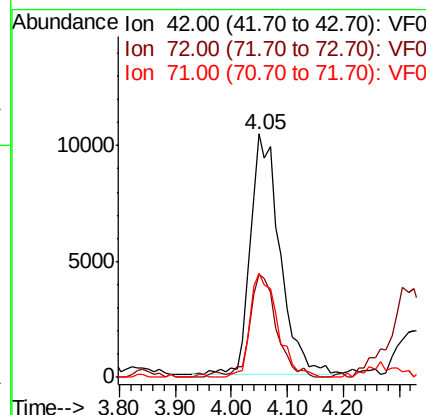
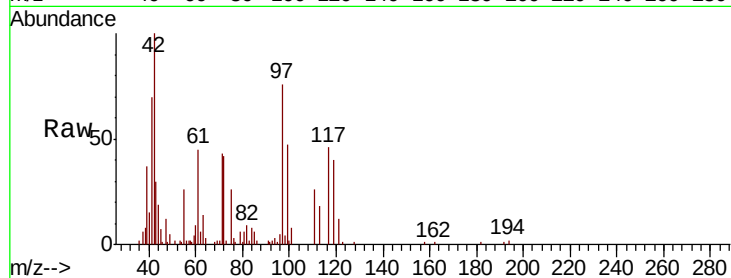
#29
Tetrahydrofuran
Concen: 99.989 ug/l
RT: 4.05 min Scan# 347
Delta R.T. -0.03 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Instrument :
MSVOA_F
ClientSampleId :
VF1112SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.5	31.4	47.0
71	40.4	31.8	47.6

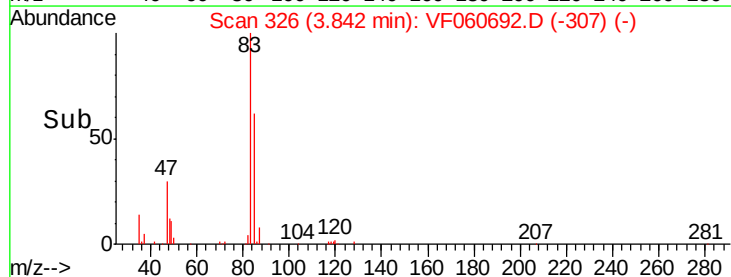
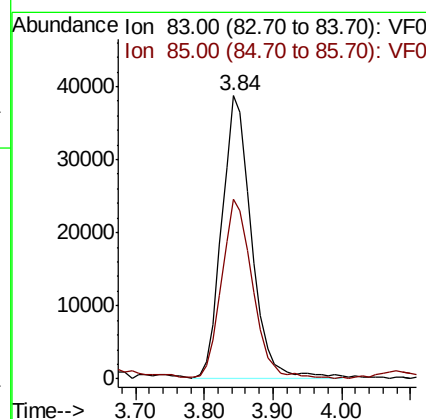
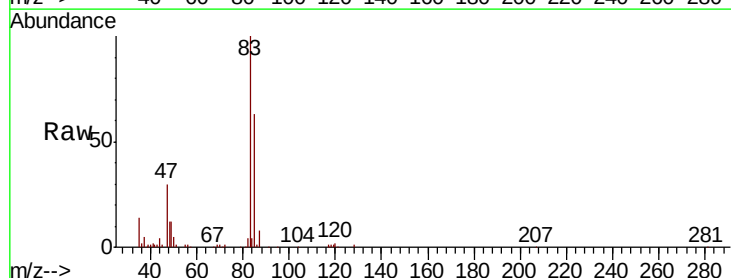
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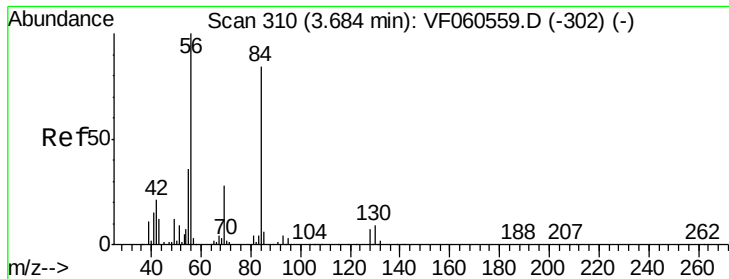
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11/13/2018 2:11:05 PM



#30
Chloroform
Concen: 24.837 ug/l
RT: 3.84 min Scan# 326
Delta R.T. -0.01 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	53.7	80.5





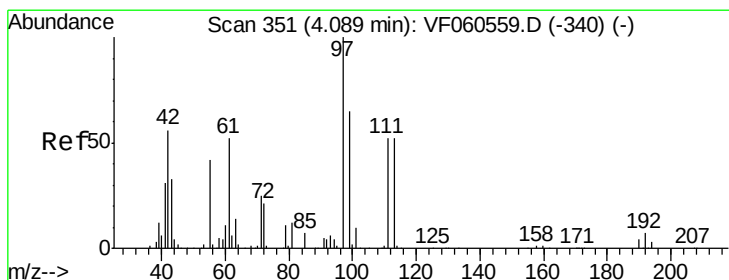
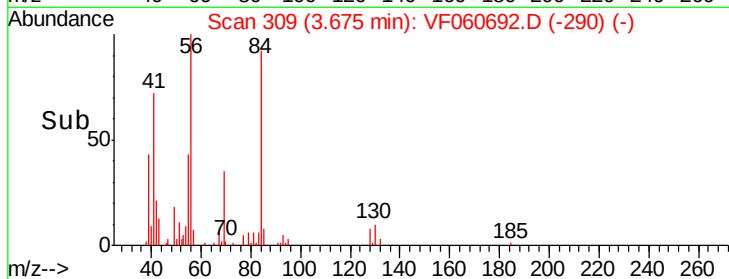
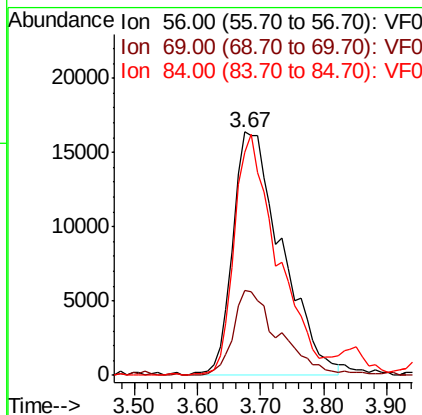
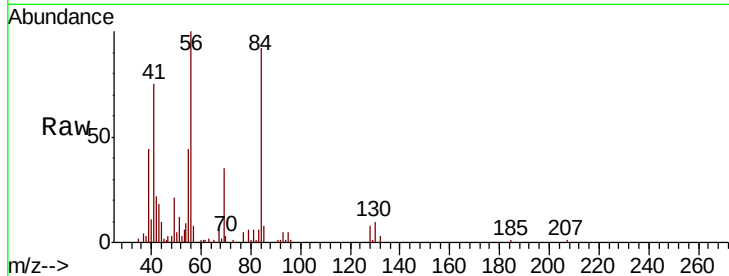
#31
Cyclohexane
Concen: 21.909 ug/l
RT: 3.67 min Scan# 309
Delta R.T. -0.01 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Instrument :
MSVOA_F
ClientSampleId :
VF1112SBSD01

Tot Ion	56	Resp	88099
Ion Ratio	100	Lower	Upper
56	100		
69	34.7	23.0	34.4#
84	91.6	67.1	100.7

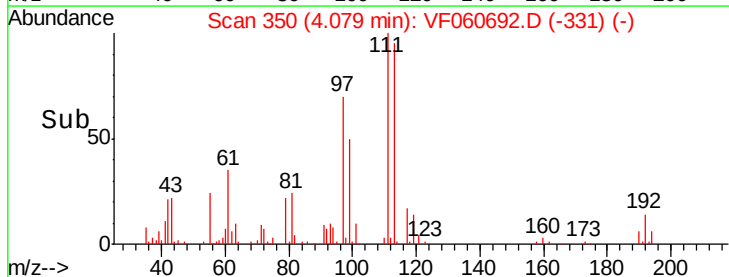
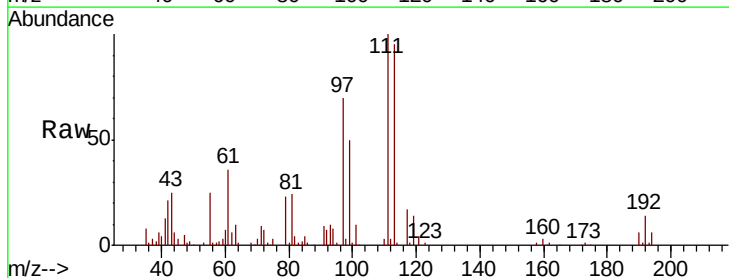
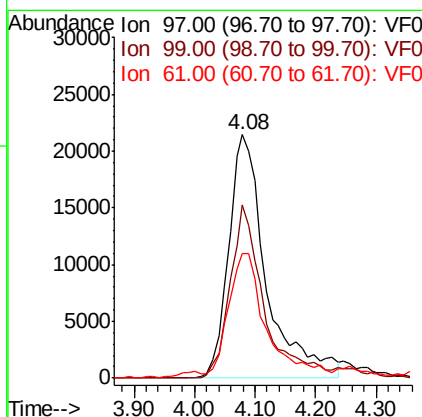
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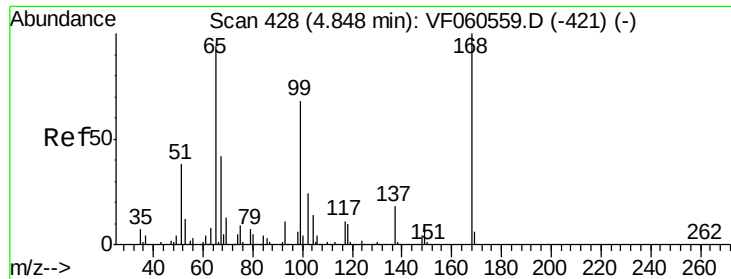
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#32
1,1,1-Trichloroethane
Concen: 28.868 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.01 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Tgt Ion	97	Resp	92949
Ion Ratio	100	Lower	Upper
97	100		
99	71.2	52.4	78.6
61	51.0	41.5	62.3





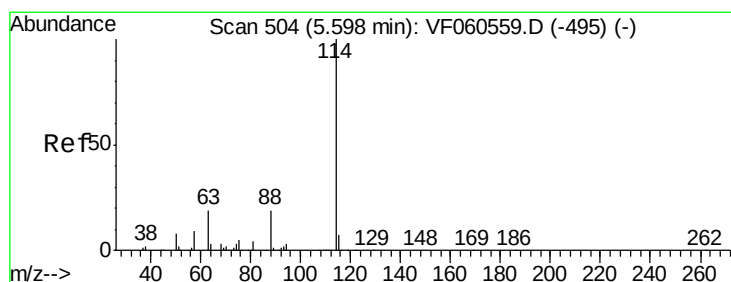
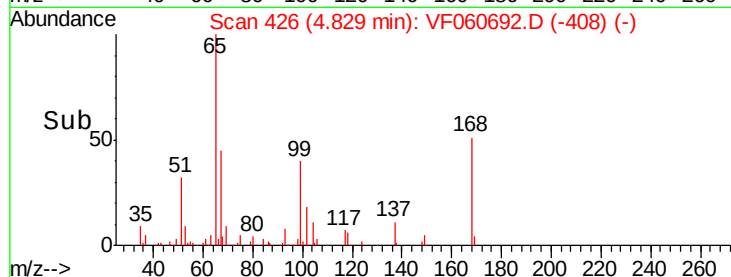
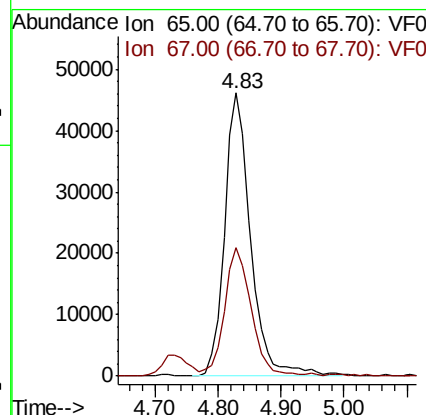
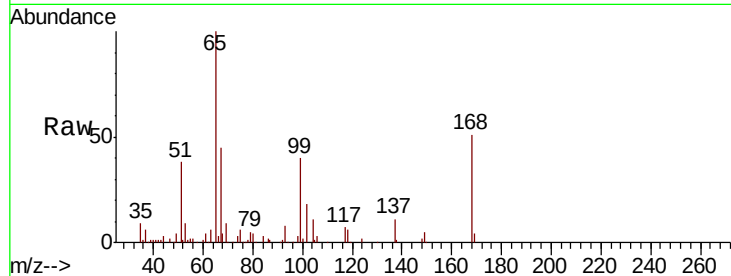
#33
 1,2-Dichloroethane-d4
 Concen: 64.586 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.02 min
 Lab File: VF060692.D
 Acq: 12 Nov 2018 18:34

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1112SBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	45.5	0.0	101.8

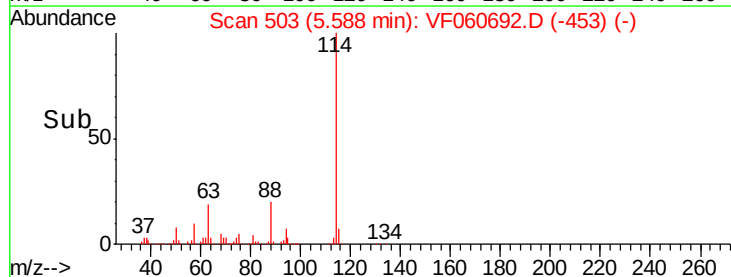
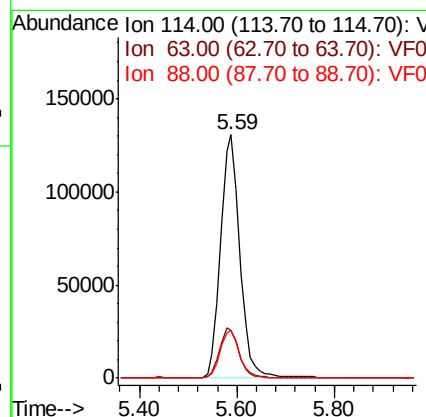
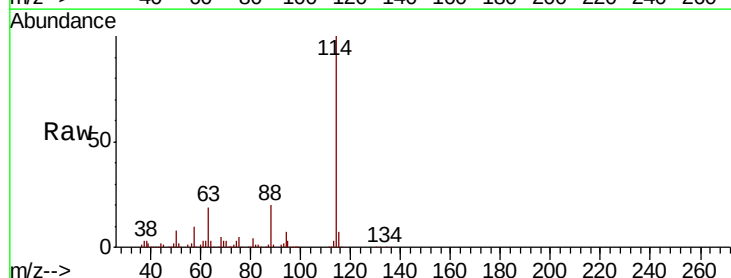
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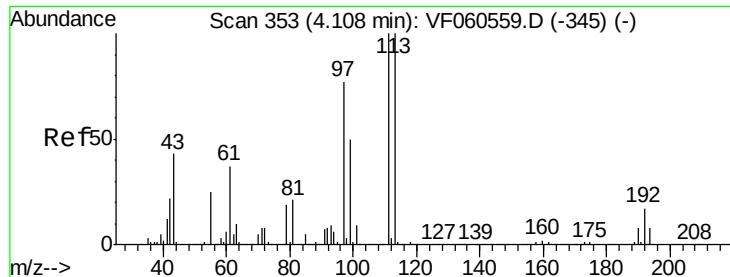
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.01 min
 Lab File: VF060692.D
 Acq: 12 Nov 2018 18:34

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	39.0
88	19.5	0.0	38.2





#35

Dibromofluoromethane

Concen: 53.594 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

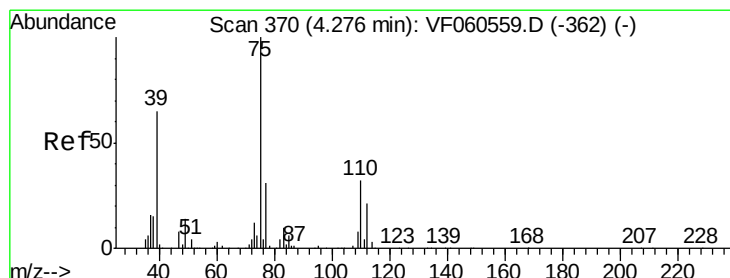
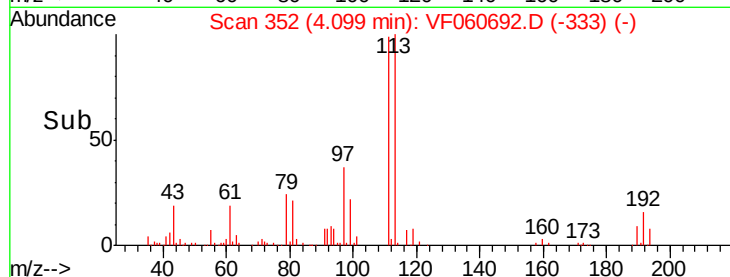
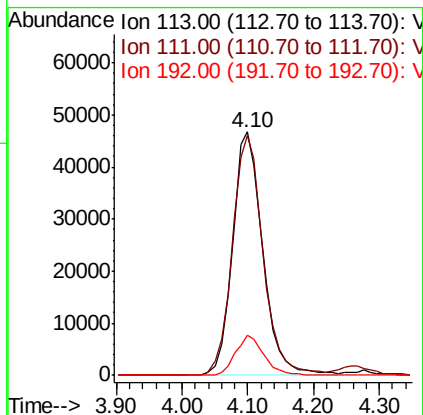
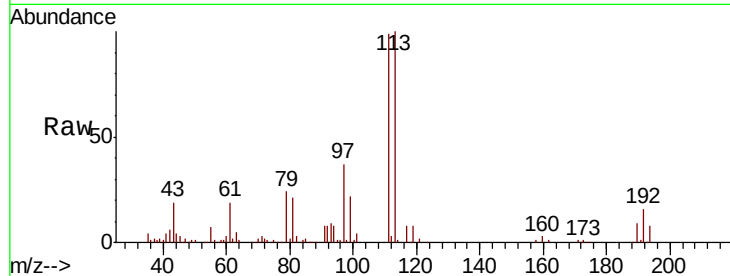
ClientSampleId :

VF1112SBSD01

Tot Ion:	113	Resp:	150497
Ion Ratio	Lower	Upper	
113	100		
111	98.5	79.9	119.9
192	16.4	13.3	19.9

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.778 ug/l

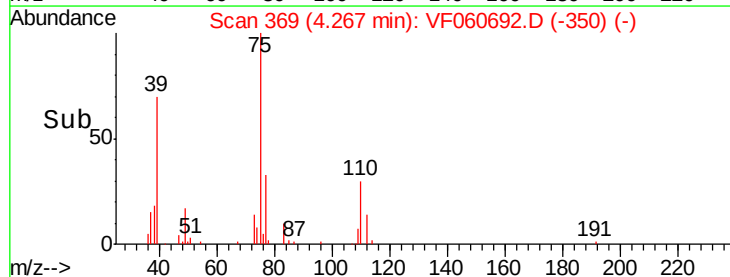
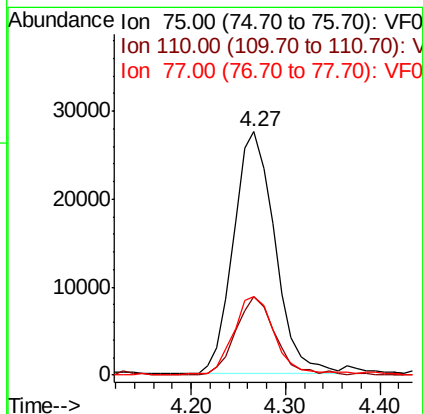
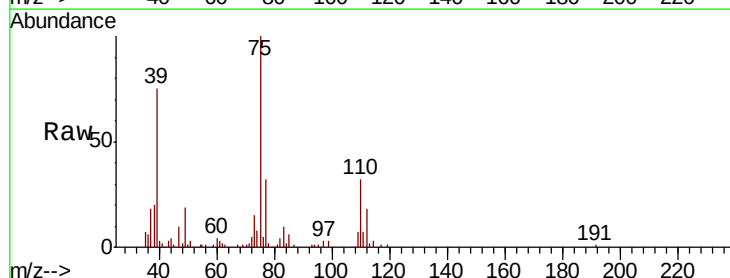
RT: 4.27 min Scan# 369

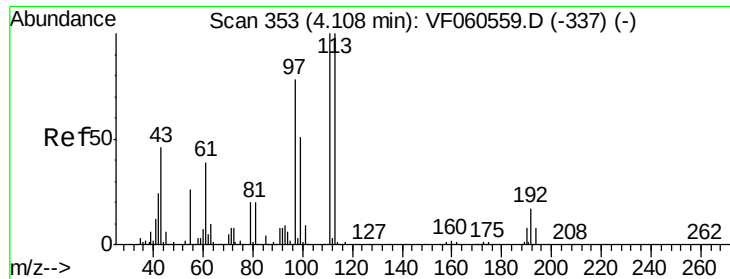
Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Tgt Ion:	75	Resp:	83151
Ion Ratio	Lower	Upper	
75	100		
110	32.0	16.2	48.6
77	32.1	25.0	37.6





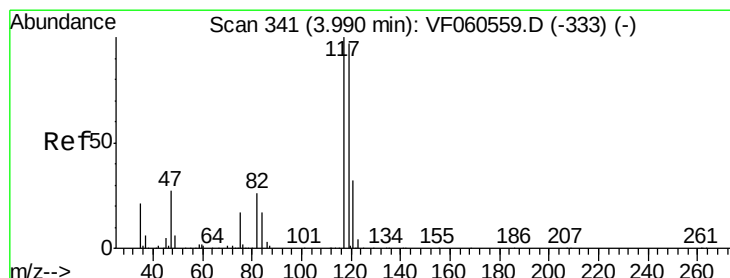
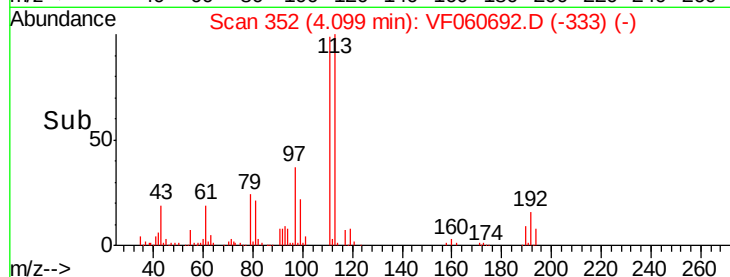
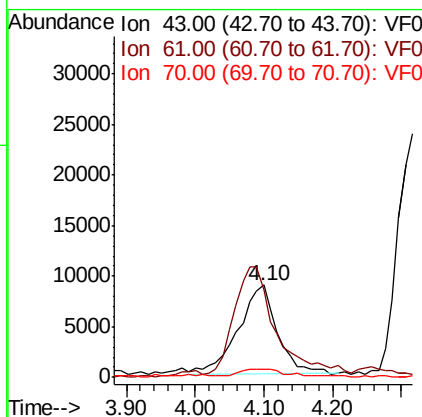
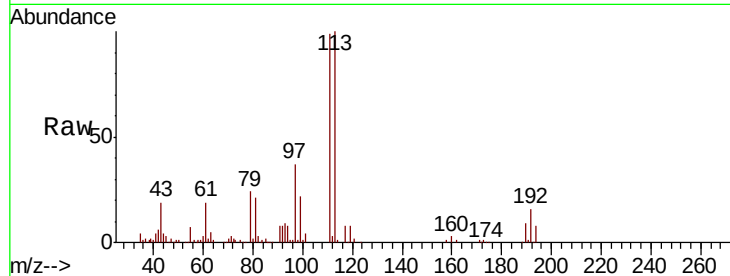
#37
Ethyl Acetate
Concen: 17.977 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Instrument :
MSVOA_F
ClientSampleId :
VF1112SBSD01

Tot Ion	43	Ratio	100	Resp:	34535
Ion	43	100		Lower	Upper
	61	95.5		63.4	95.2#
	70	9.5		9.3	13.9

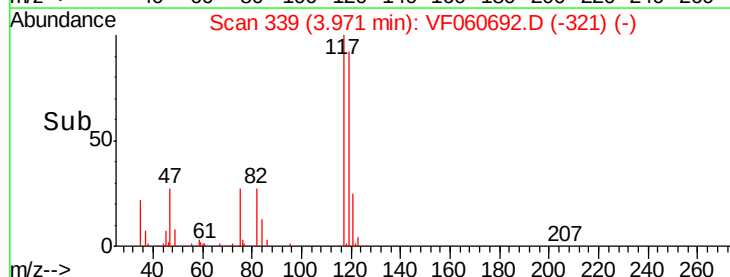
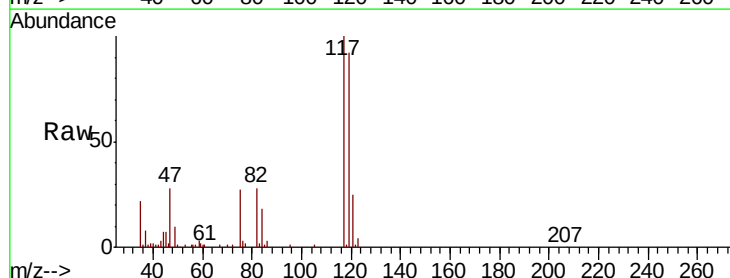
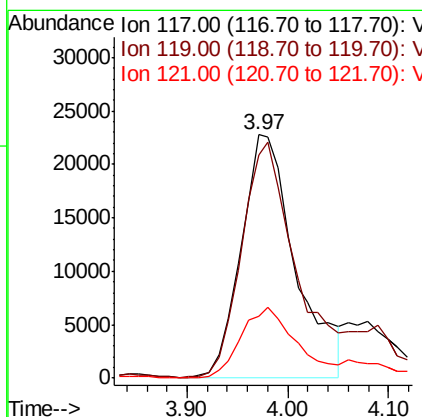
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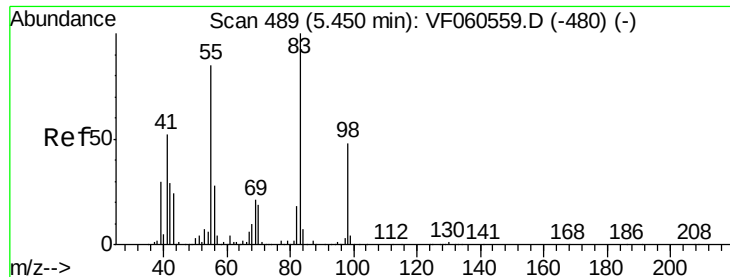
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#38
Carbon Tetrachloride
Concen: 25.025 ug/l
RT: 3.97 min Scan# 339
Delta R.T. -0.02 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Tgt Ion	117	Ratio	100	Resp:	85575
Ion	117	100		Lower	Upper
	119	91.7		77.8	116.6
	121	26.3		25.6	38.4





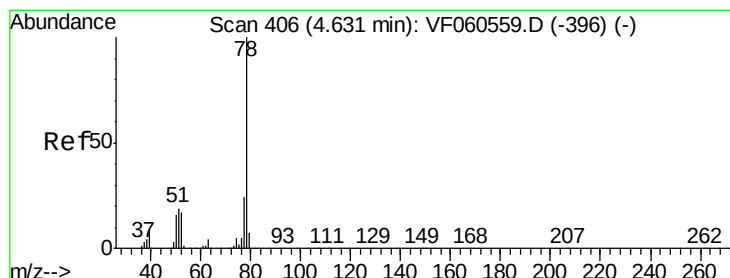
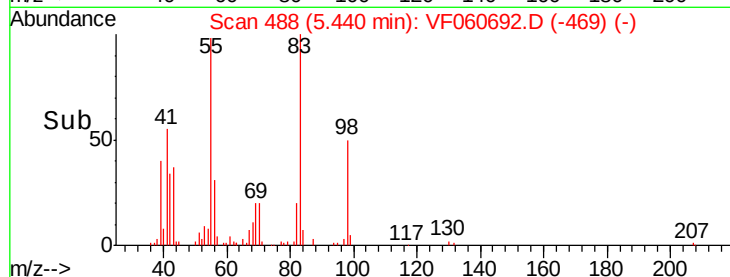
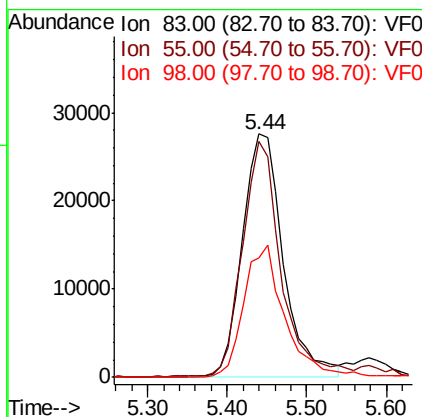
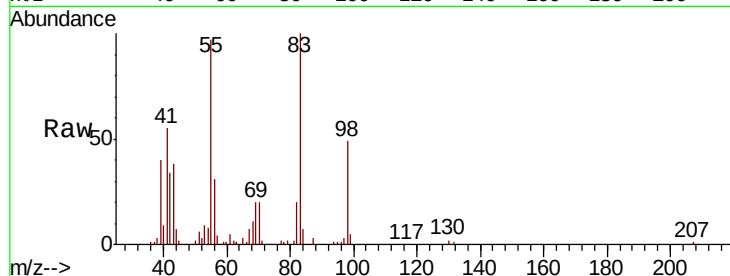
#39
Methylvlcyclohexane
Concen: 20.116 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.01 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Instrument :
MSVOA_F
ClientSampleId :
VF1112SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	96.9	69.1	103.7
98	49.2	38.6	57.8

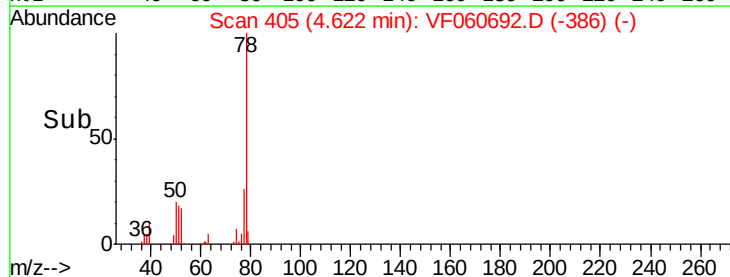
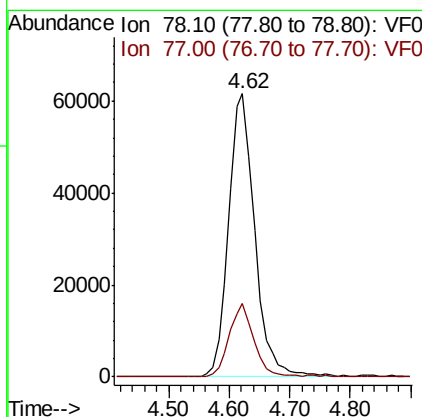
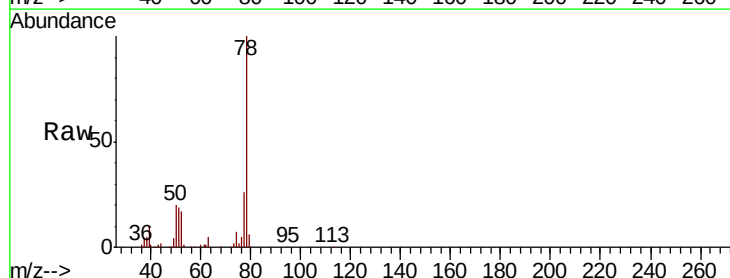
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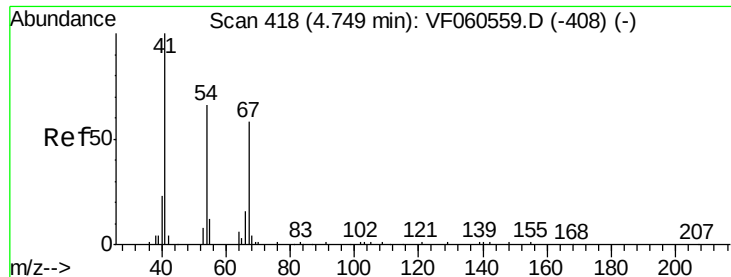
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#40
Benzene
Concen: 19.067 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.01 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.7	19.3	28.9





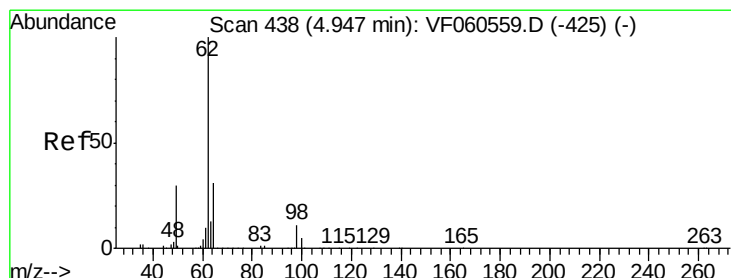
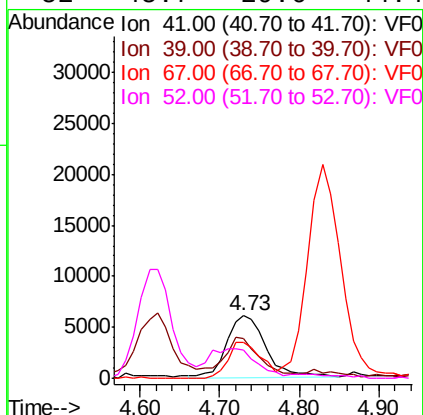
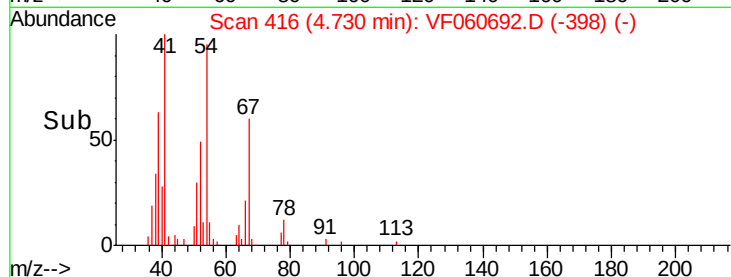
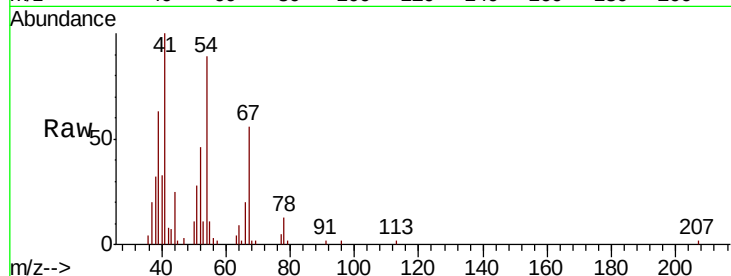
#41
Methacrylonitrile
Concen: 18.692 ug/l
RT: 4.73 min Scan# 416
Delta R.T. -0.02 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Instrument :
MSVOA_F
ClientSampleId :
VF1112SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	63.3	45.6	68.4	
67	56.4	45.3	67.9	
52	45.7	29.6	44.4	

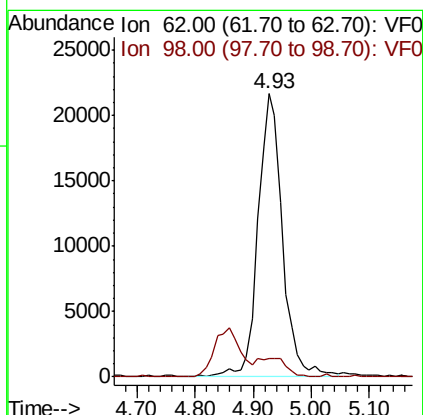
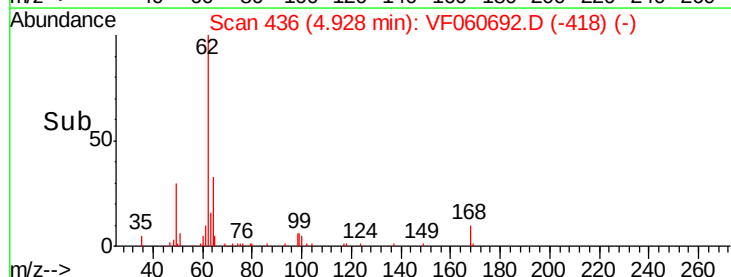
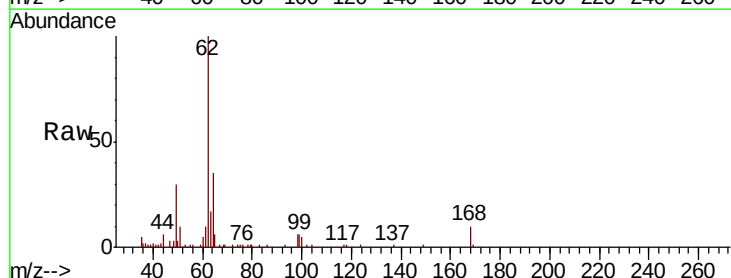
Manual Integrations
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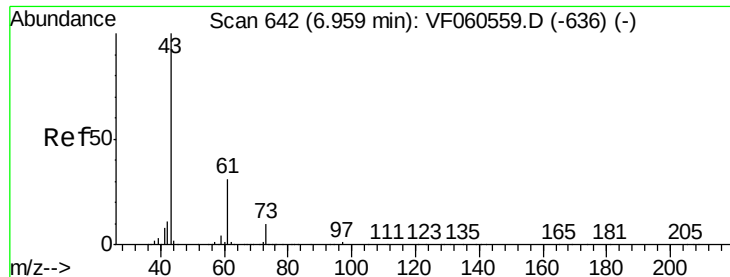
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#42
1,2-Dichloroethane
Concen: 23.070 ug/l
RT: 4.93 min Scan# 436
Delta R.T. -0.02 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	6.4	0.0	22.4	





#43

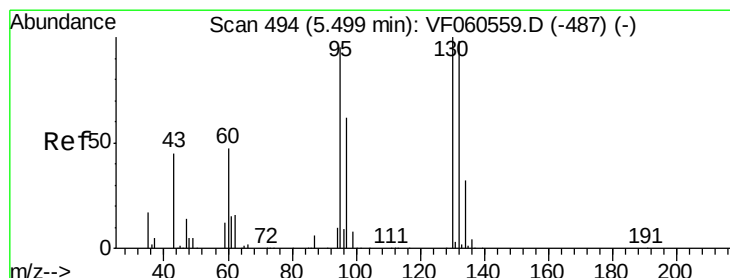
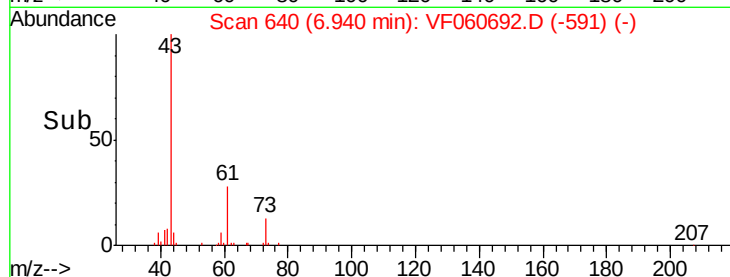
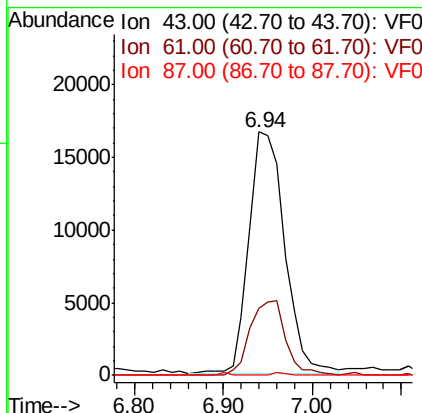
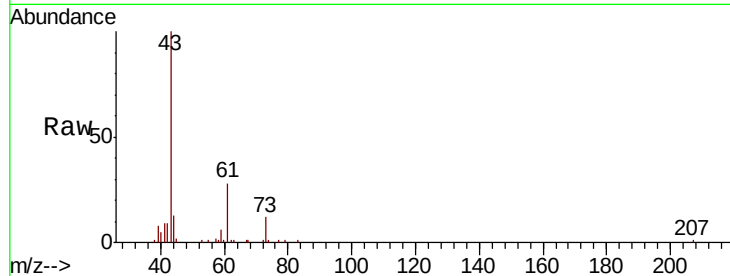
Isopropyl Acetate
 Concen: 18.977 ug/l
 RT: 6.94 min Scan# 640
 Delta R.T. -0.02 min
 Lab File: VF060692.D
 Acq: 12 Nov 2018 18:34

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1112SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.8	24.2	36.2
87	0.0	0.2	0.4

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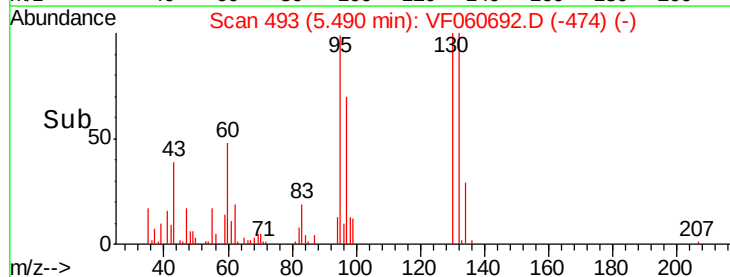
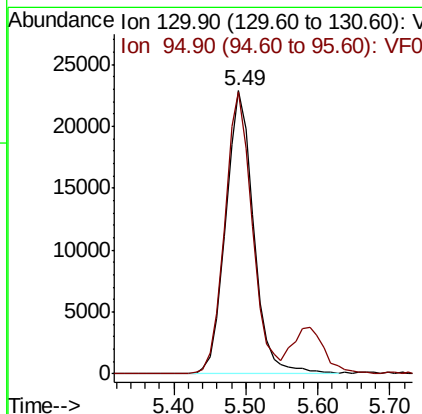
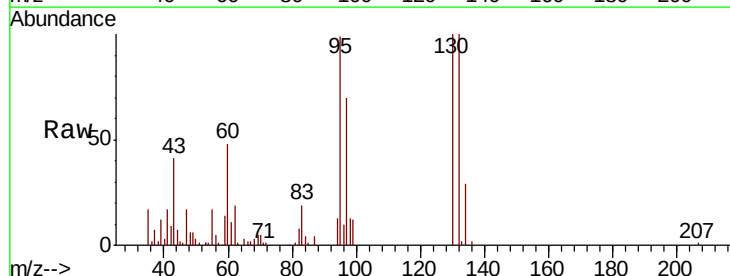
MMDadoda
 11/13/2018 2:11:05 PM

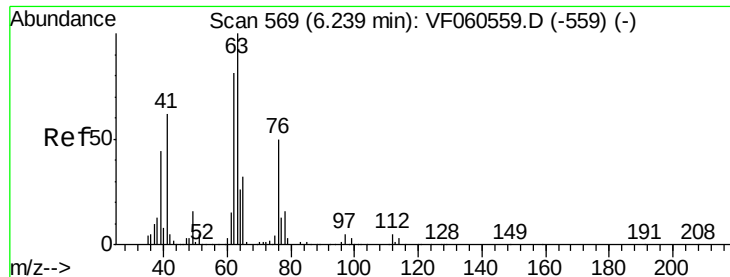


#44

Trichloroethene
 Concen: 21.147 ug/l
 RT: 5.49 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VF060692.D
 Acq: 12 Nov 2018 18:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	191.0





#45

1,2-Dichloropropane

Concen: 20.655 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBS01

Tot Ion: 63 Resp: 51316

Ion Ratio Lower Upper

63 100

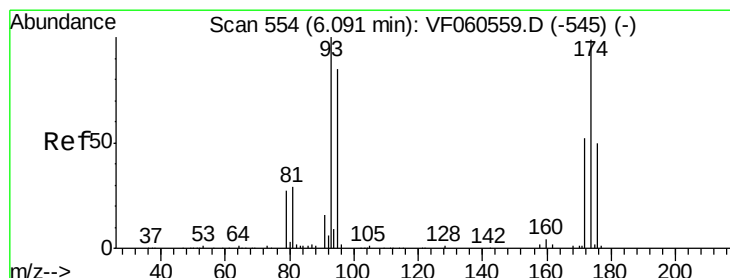
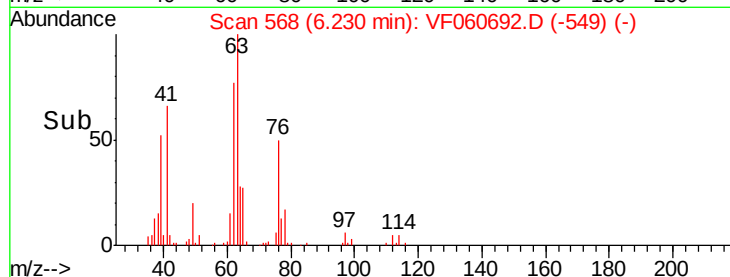
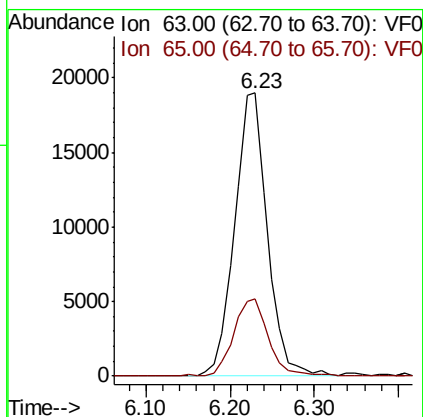
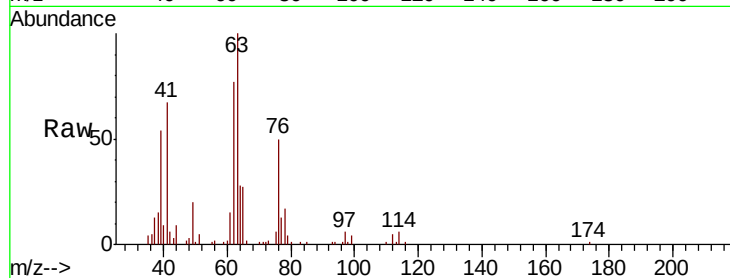
65 27.3 25.4 38.0

Manual Integrations

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#46

Dibromomethane

Concen: 19.962 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.02 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

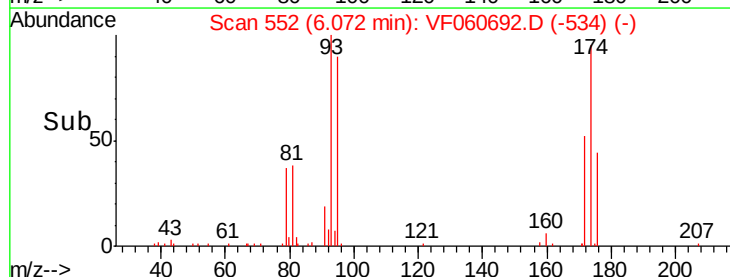
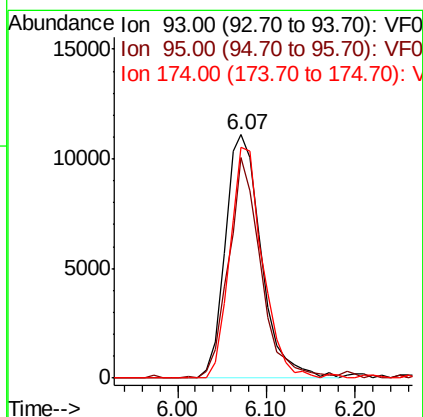
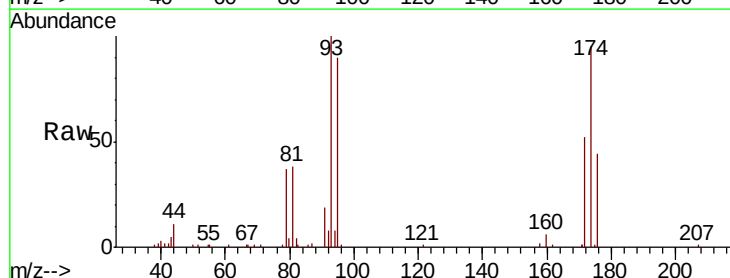
Tgt Ion: 93 Resp: 31463

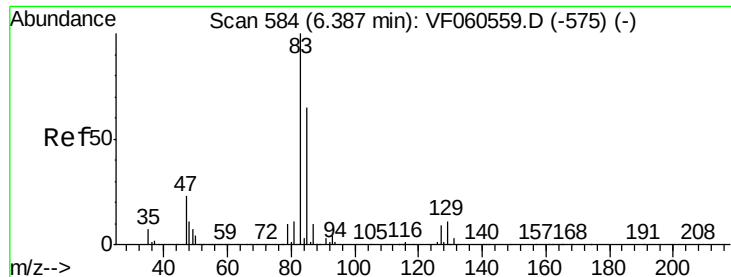
Ion Ratio Lower Upper

93 100

95 90.5 68.6 102.8

174 95.9 79.0 118.4





#47

Bromodichloromethane

Concen: 22.403 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

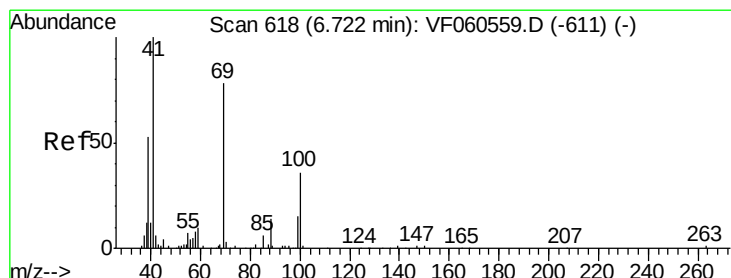
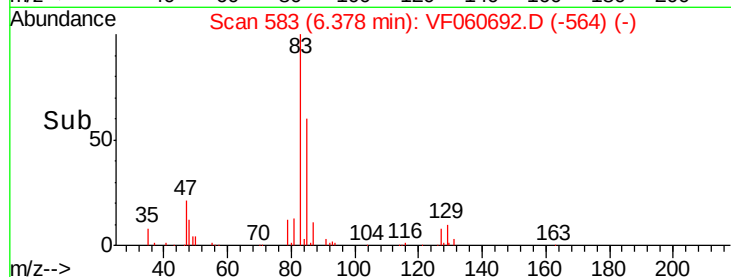
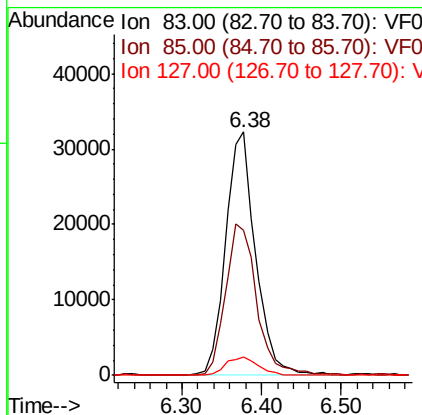
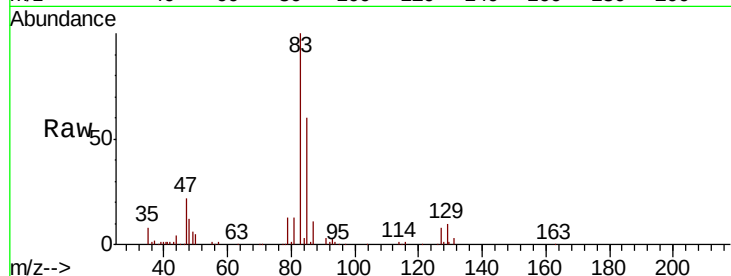
ClientSampleId :

VF1112SBSD01

Tot Ion:	83	Resp:	85168
Ion	Ratio	Lower	Upper
83	100		
85	59.7	51.8	77.6
127	7.6	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.953 ug/l

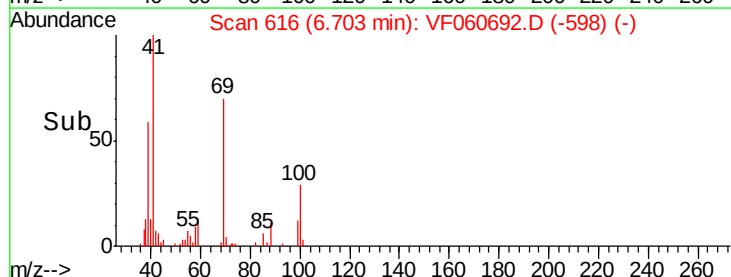
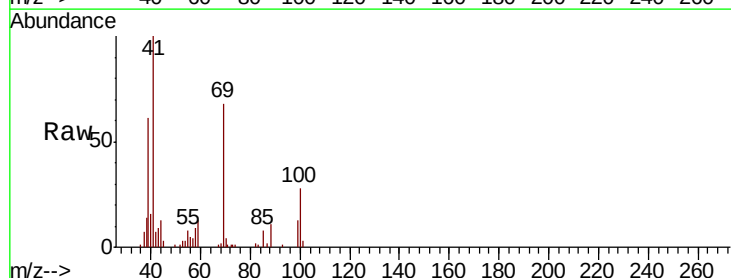
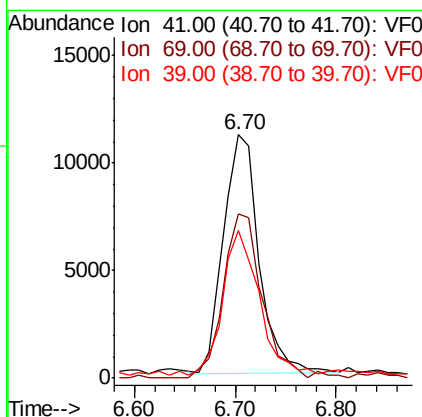
RT: 6.70 min Scan# 616

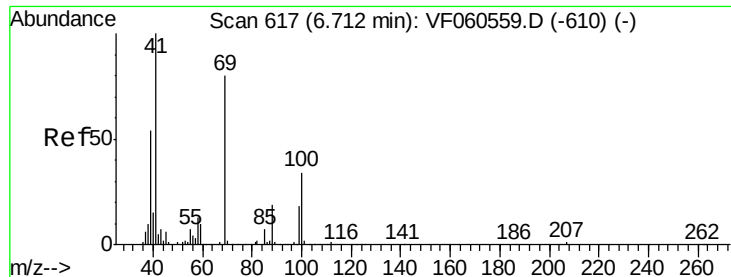
Delta R.T. -0.02 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Tgt Ion:	41	Resp:	27419
Ion	Ratio	Lower	Upper
41	100		
69	67.7	61.1	91.7
39	60.7	43.0	64.6





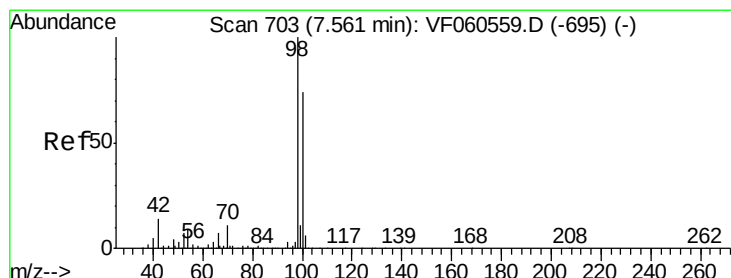
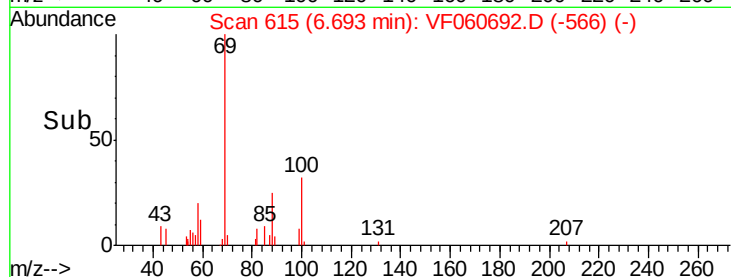
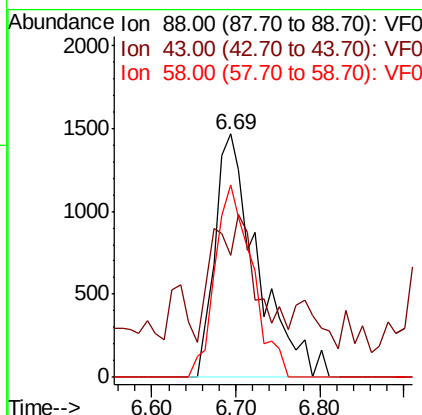
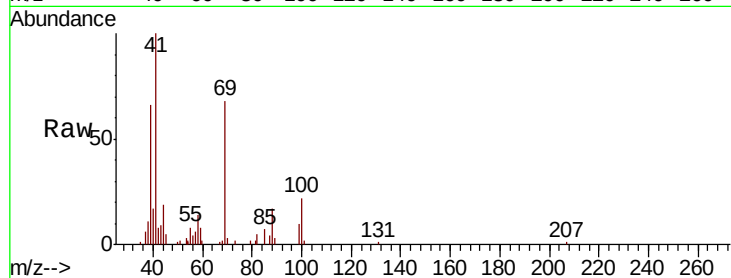
#49
1,4-Dioxane
Concen: 323.919 ug/l
RT: 6.69 min Scan# 615
Delta R.T. -0.02 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Instrument :
MSVOA_F
ClientSampleId :
VF1112SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	5175		
43	50.1		61.2	91.8#
58	78.9		56.9	85.3

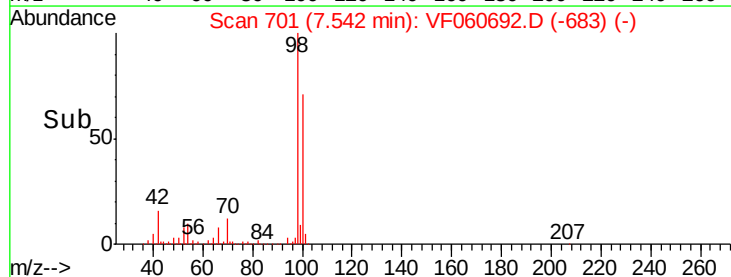
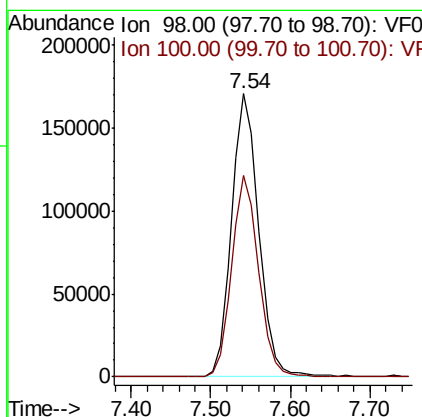
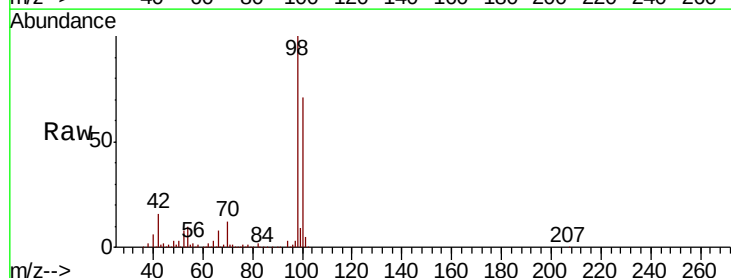
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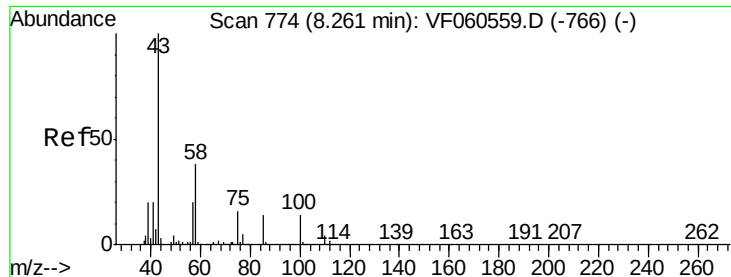
MMDadoda
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#50
Toluene-d8
Concen: 48.960 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	407268		
100	71.2		59.4	89.2





#51

4-Methyl-2-Pentanone

Concen: 106.905 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.02 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBS01

Tot Ion: 43 Resp: 174693

Ion Ratio Lower Upper

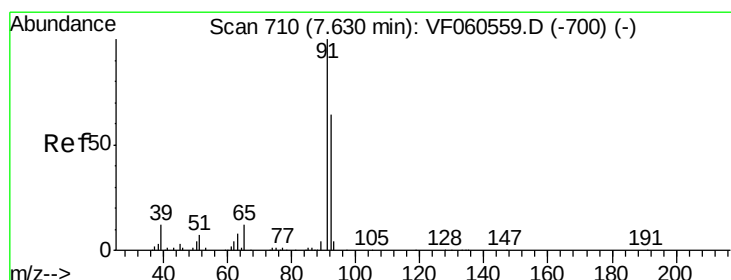
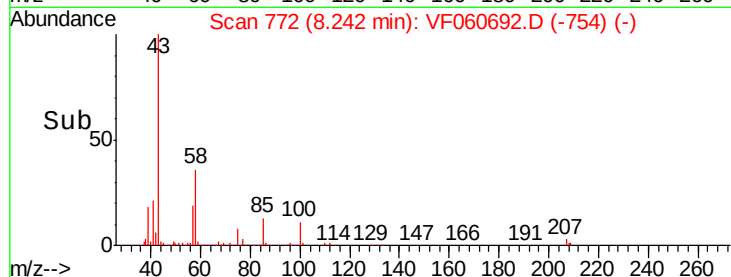
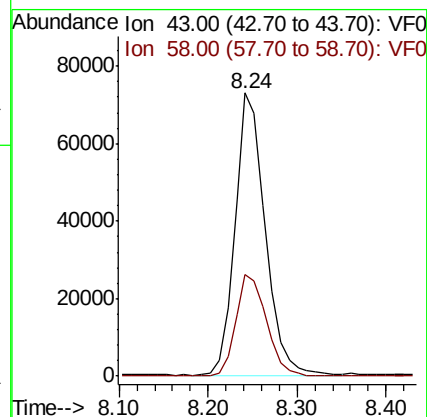
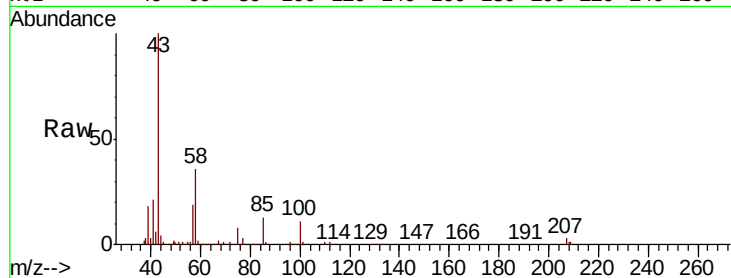
43 100

58 35.7 30.1 45.1

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#52

Toluene

Concen: 19.842 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.02 min

Lab File: VF060692.D

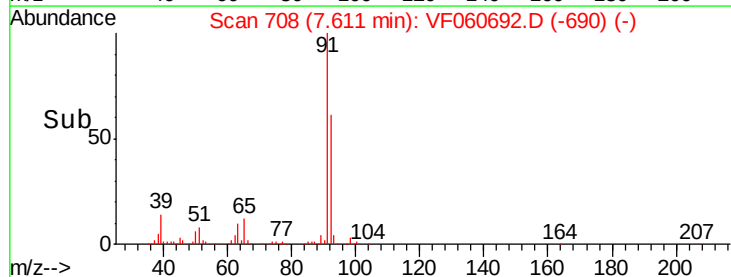
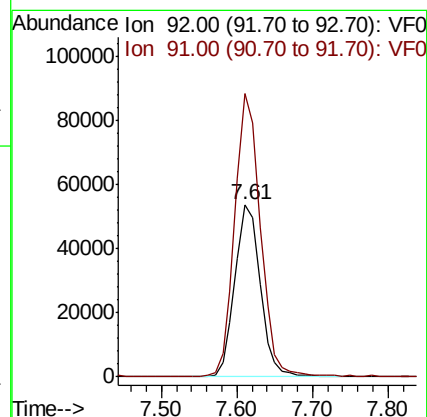
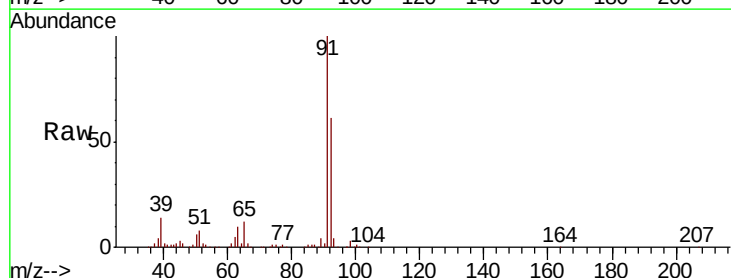
Acq: 12 Nov 2018 18:34

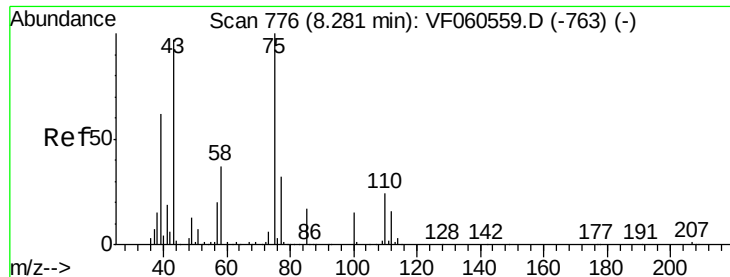
Tgt Ion: 92 Resp: 125560

Ion Ratio Lower Upper

92 100

91 164.2 124.5 186.7





#53

t-1,3-Dichloropropene

Concen: 20.729 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Tot Ion: 75 Resp: 68491

Ion Ratio Lower Upper

75 100

77 32.5 25.7 38.5

Instrument :

MSVOA_F

ClientSampleId :

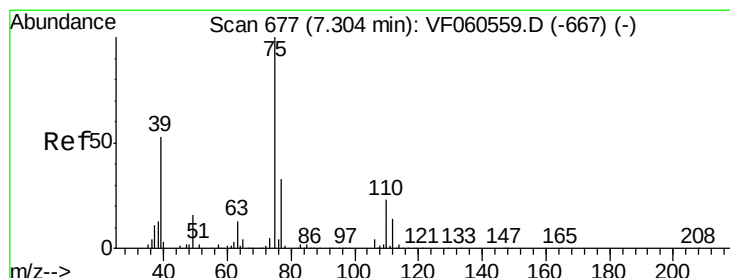
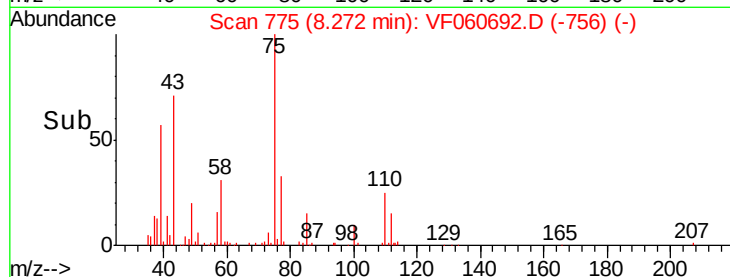
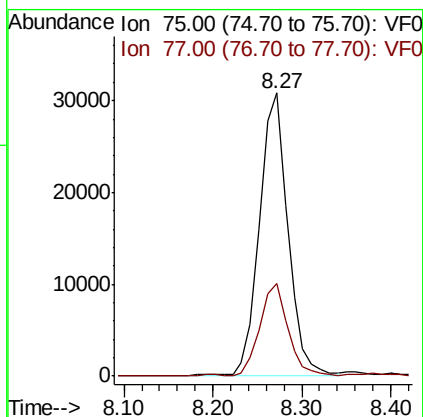
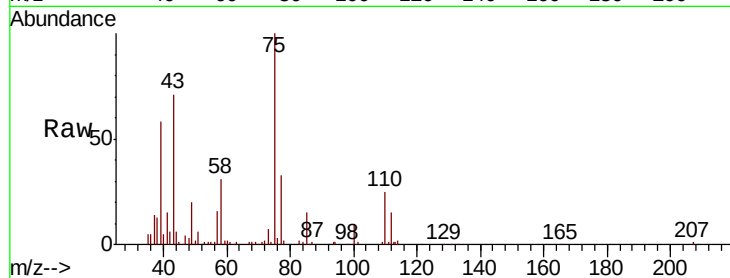
VF1112SBSD01

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#54

cis-1,3-Dichloropropene

Concen: 20.662 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.02 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

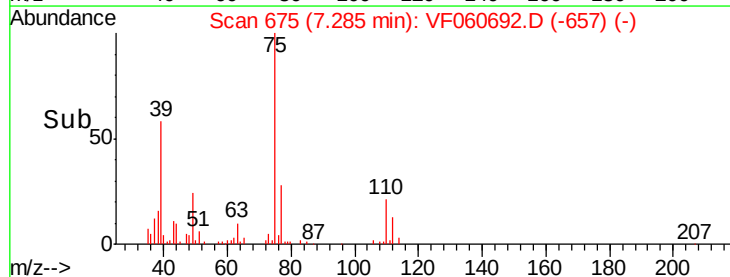
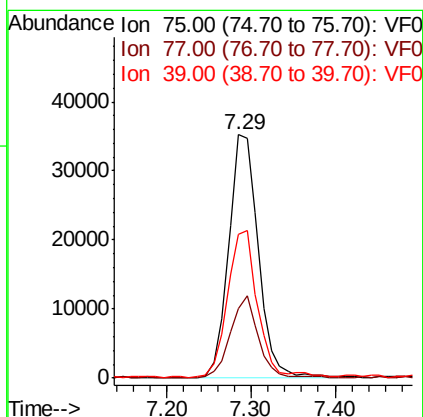
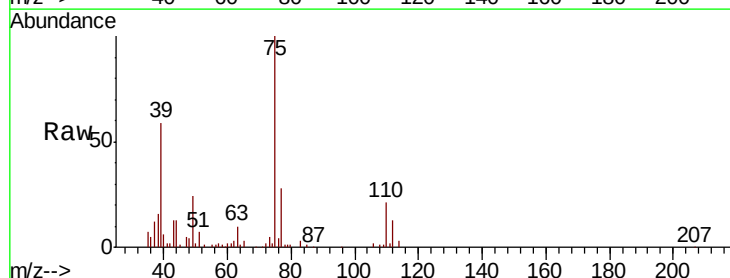
Tgt Ion: 75 Resp: 86259

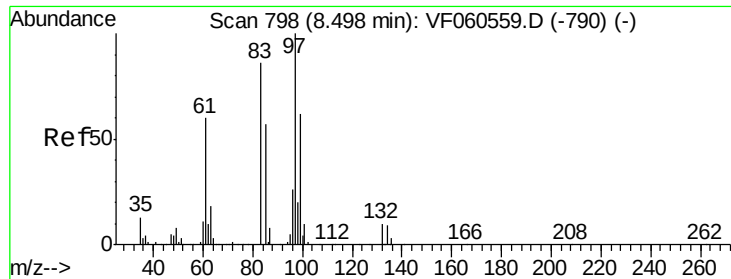
Ion Ratio Lower Upper

75 100

77 28.4 26.7 40.1

39 59.0 43.0 64.4





#55

1,1,2-Trichloroethane

Concen: 19.722 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.02 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

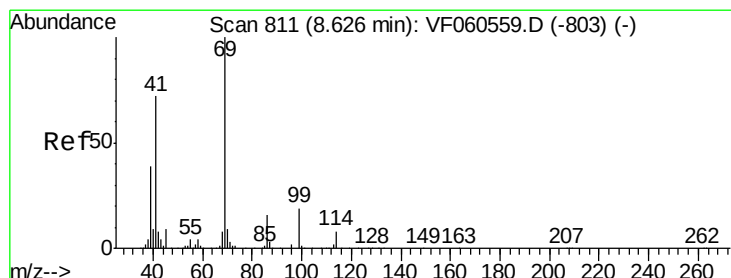
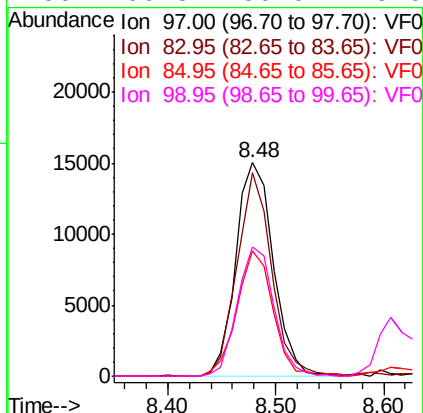
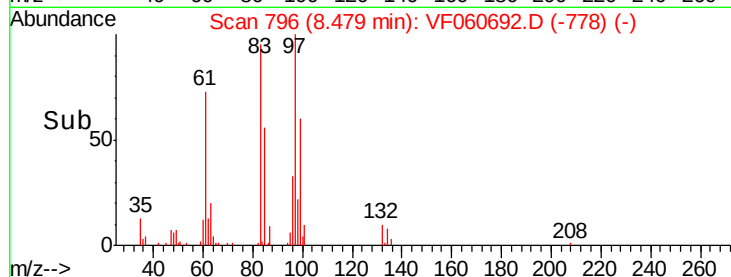
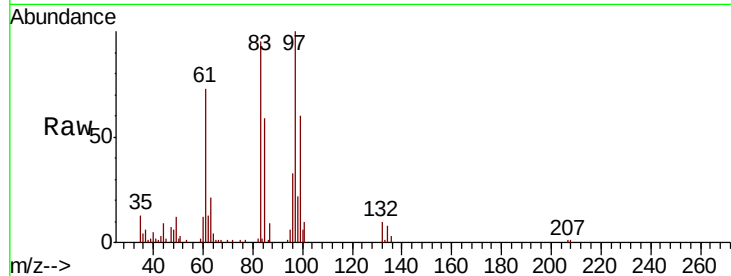
ClientSampleId :

VF1112SBSD01

Tot Ion:	97	Resp:	36316
Ion	Ratio	Lower	Upper
97	100		
83	95.3	69.4	104.0
85	59.0	46.6	69.8
99	60.3	50.0	75.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 21.098 ug/l

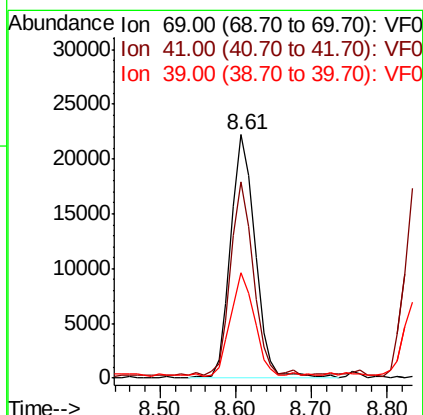
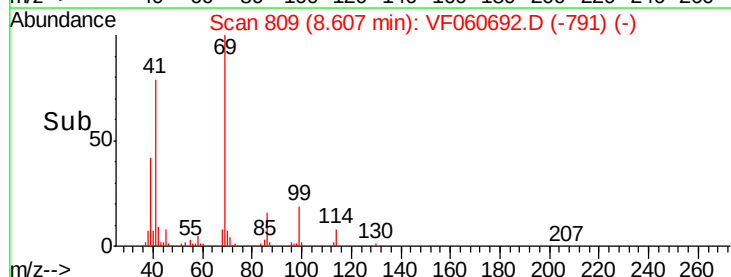
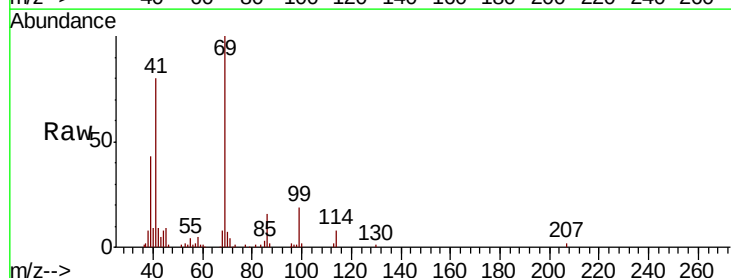
RT: 8.61 min Scan# 809

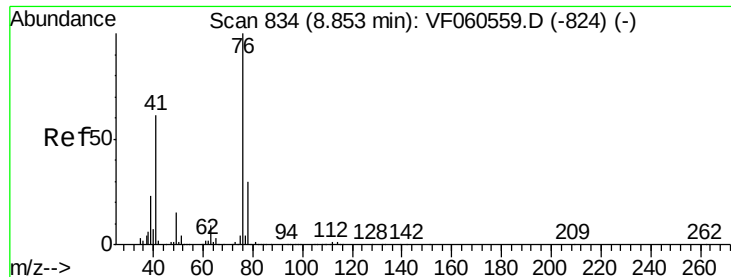
Delta R.T. -0.02 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Tgt Ion:	69	Resp:	49984
Ion	Ratio	Lower	Upper
69	100		
41	80.5	59.2	88.8
39	43.4	32.3	48.5





#57

1,3-Dichloropropane

Concen: 21.071 ug/l

RT: 8.84 min Scan# 833

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBSD01

Tot Ion: 76 Resp: 68080

Ion Ratio Lower Upper

76 100

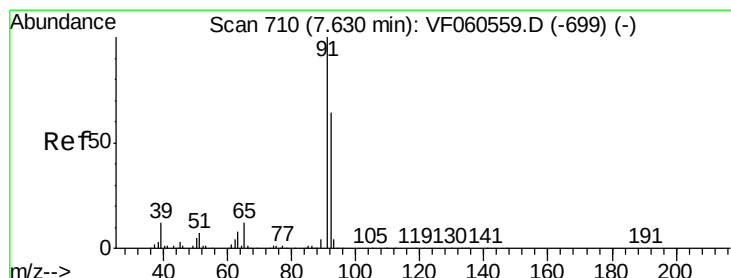
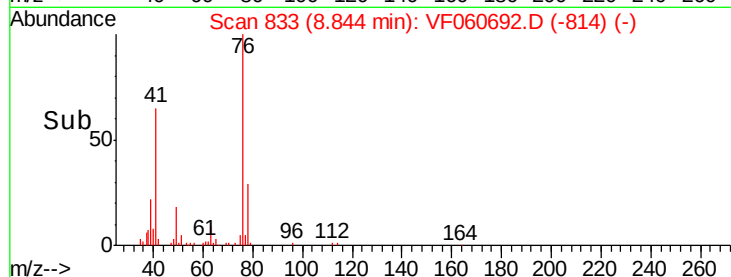
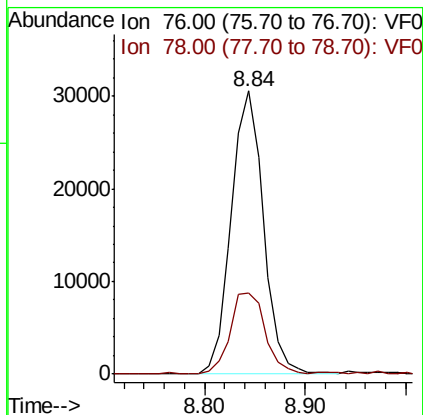
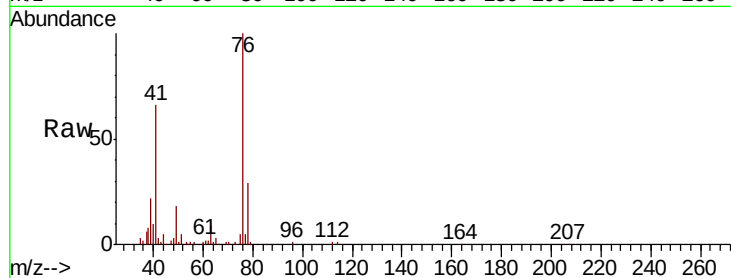
78 28.5 24.2 36.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 114.433 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.02 min

Lab File: VF060692.D

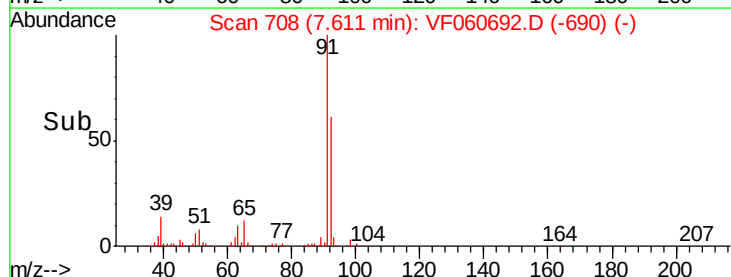
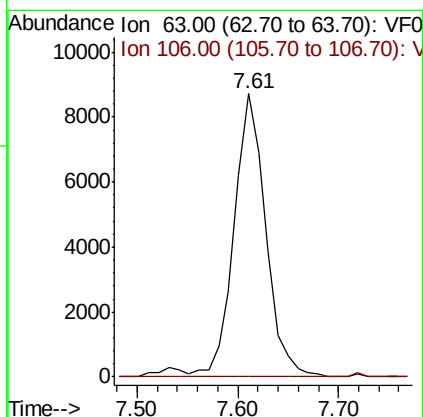
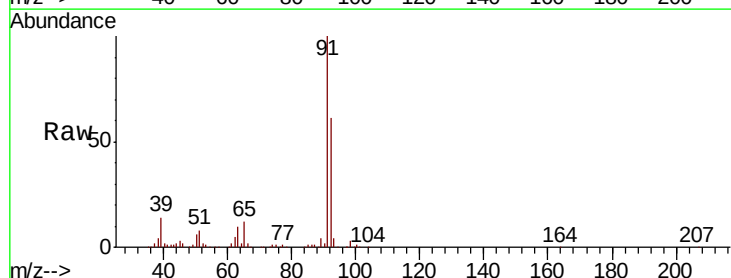
Acq: 12 Nov 2018 18:34

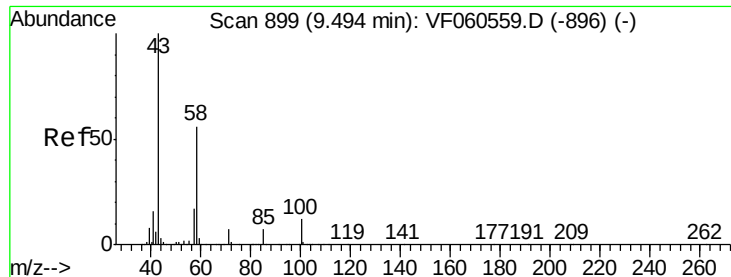
Tgt Ion: 63 Resp: 19056

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





#59

2-Hexanone

Concen: 124.531 ug/l

RT: 9.48 min Scan# 898

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Tot Ion: 43 Resp: 148648

Ion Ratio Lower Upper

43 100

58 49.8 26.1 78.3

Instrument :

MSVOA_F

ClientSampleId :

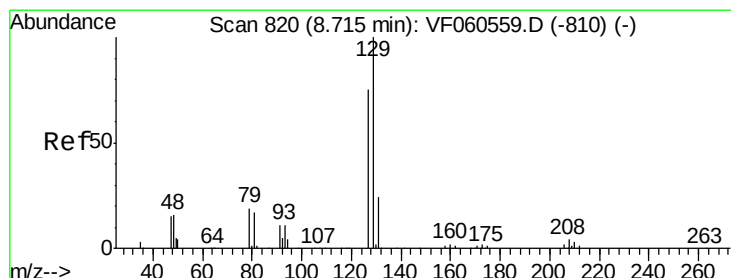
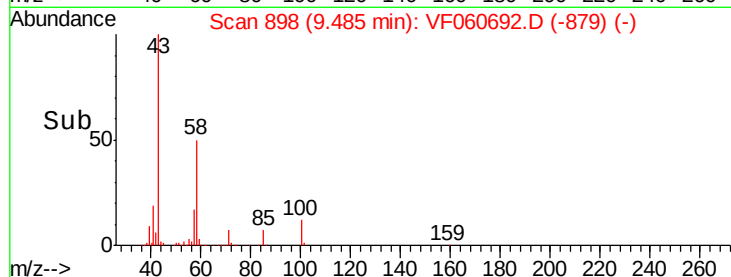
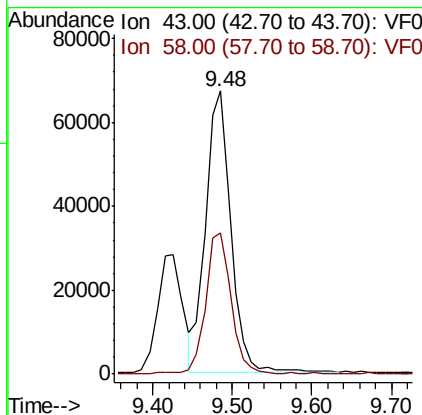
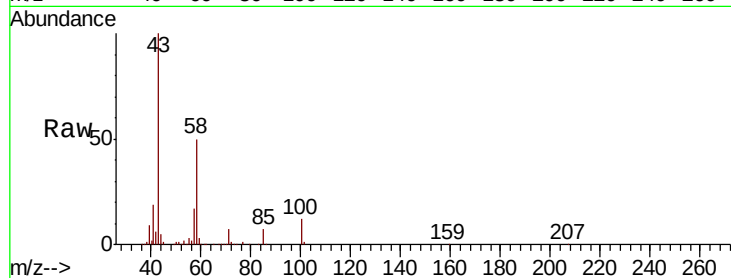
VF1112SBSD01

Manual Integrations

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11/13/2018 2:11:05 PM



#60

Dibromochloromethane

Concen: 20.923 ug/l

RT: 8.71 min Scan# 819

Delta R.T. -0.01 min

Lab File: VF060692.D

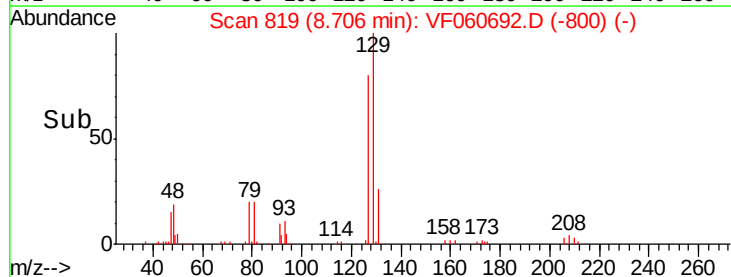
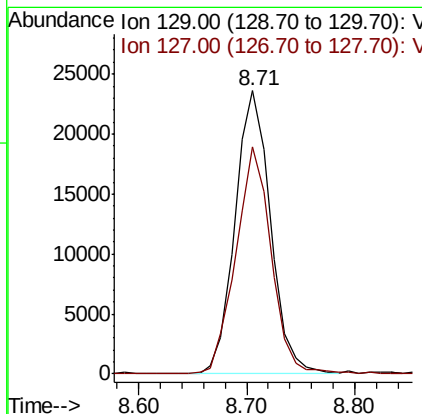
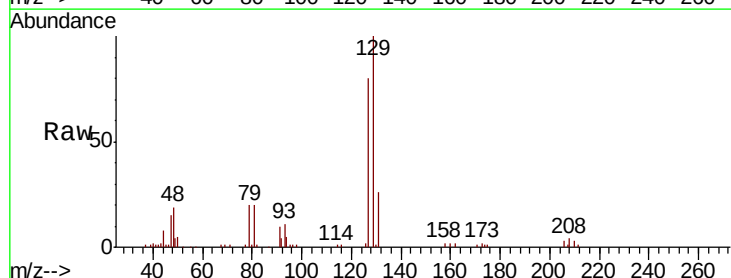
Acq: 12 Nov 2018 18:34

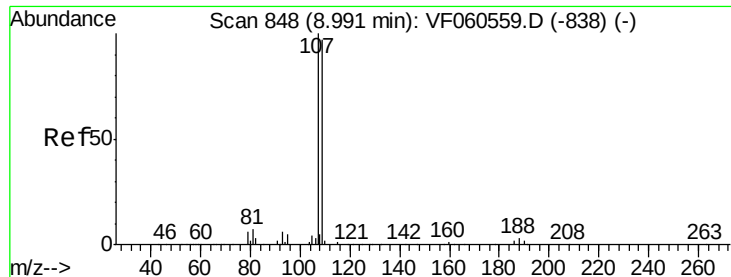
Tgt Ion:129 Resp: 53882

Ion Ratio Lower Upper

129 100

127 80.1 37.8 113.3





#61

1,2-Dibromoethane

Concen: 20.310 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.02 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBS01

Tot Ion: 107 Resp: 39329

Ion Ratio Lower Upper

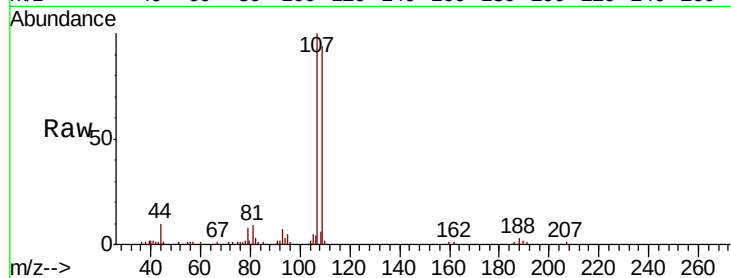
107 100

109 93.6 77.5 116.3

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

20000

15000

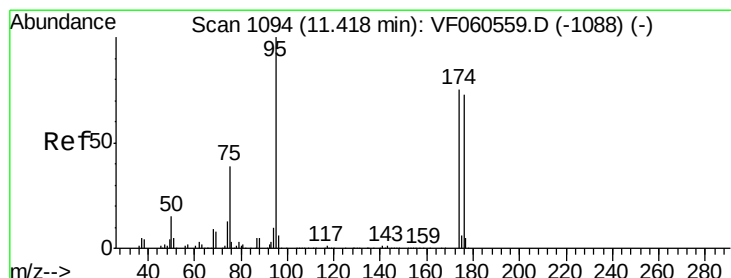
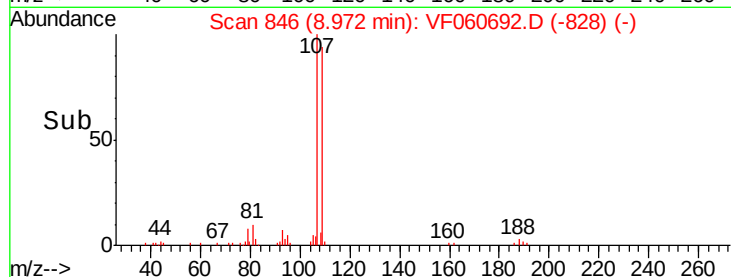
10000

5000

0

8.90 8.97 9.00 9.10

Time-->



#62

4-Bromofluorobenzene

Concen: 55.509 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

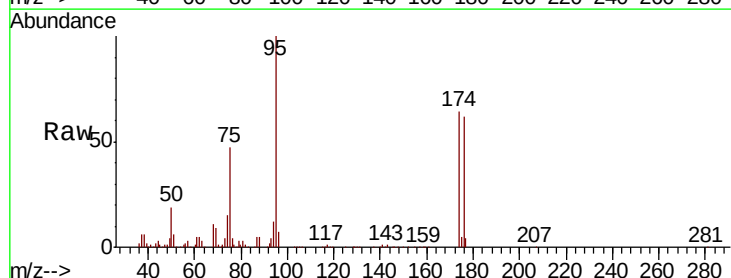
Tgt Ion: 95 Resp: 201974

Ion Ratio Lower Upper

95 100

174 64.1 0.0 149.0

176 62.2 0.0 145.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

150000

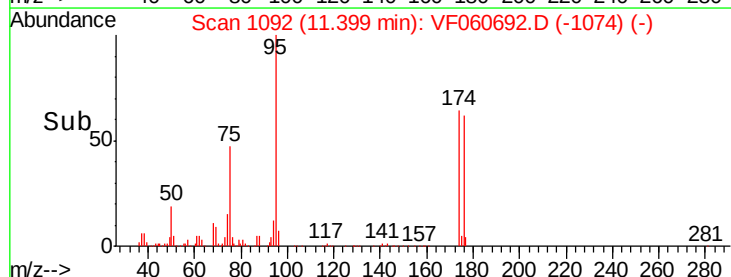
100000

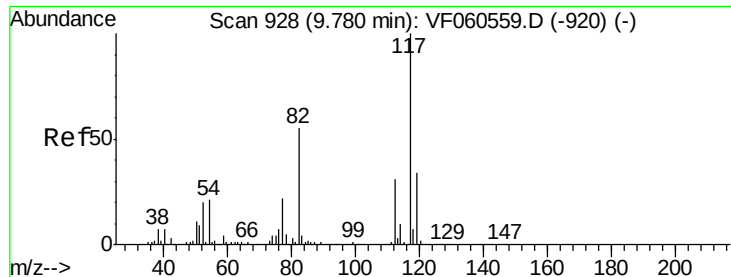
50000

0

11.30 11.40 11.50 11.60

Time-->





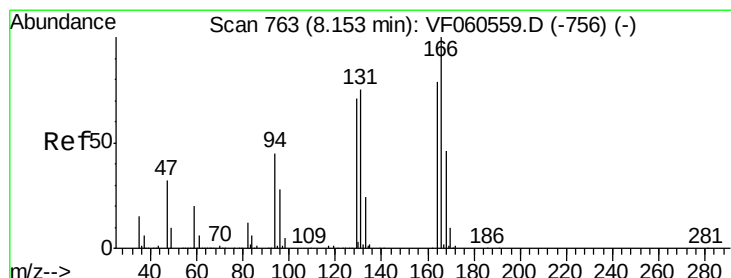
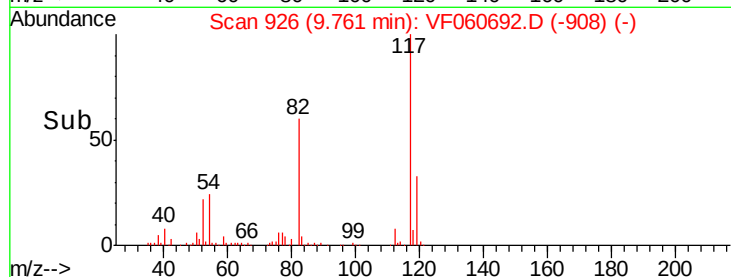
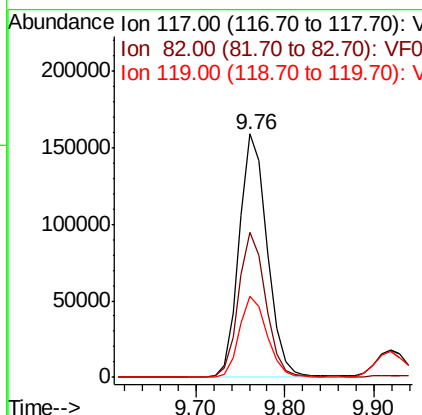
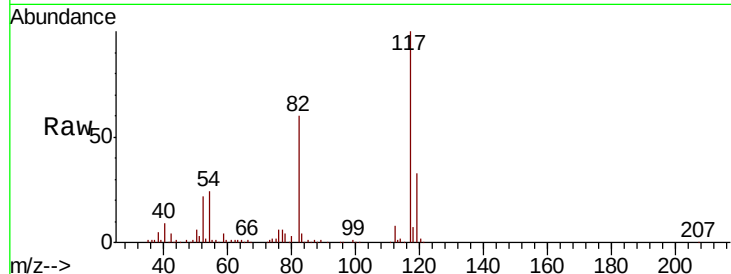
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.02 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Instrument :
MSVOA_F
ClientSampleId :
VF1112SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	349368		
82	59.6		43.9	65.9
119	33.4		27.4	41.0

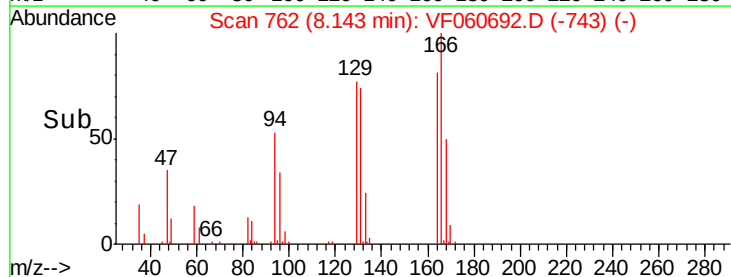
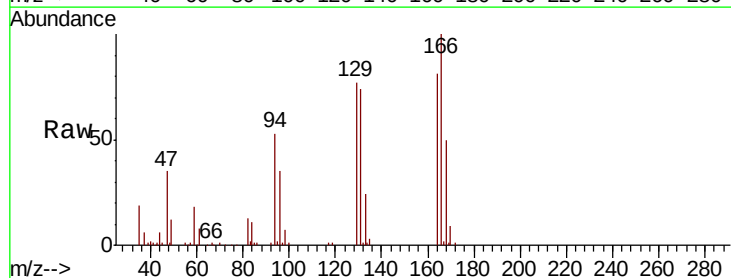
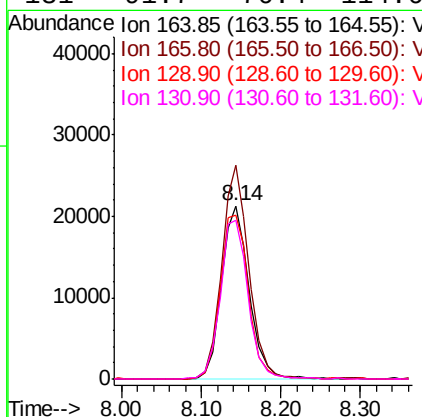
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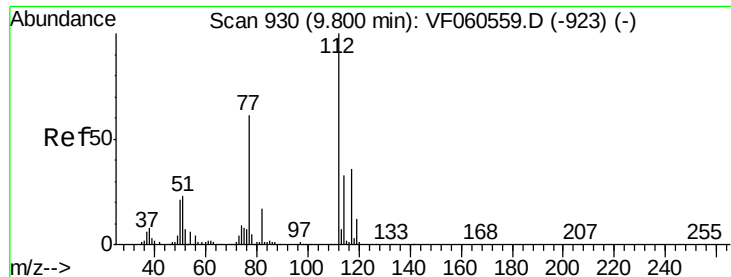
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#64
Tetrachloroethene
Concen: 18.918 ug/l
RT: 8.14 min Scan# 762
Delta R.T. -0.01 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	51799		
166	123.2		101.5	152.3
129	94.3		72.5	108.7
131	91.7		76.4	114.6





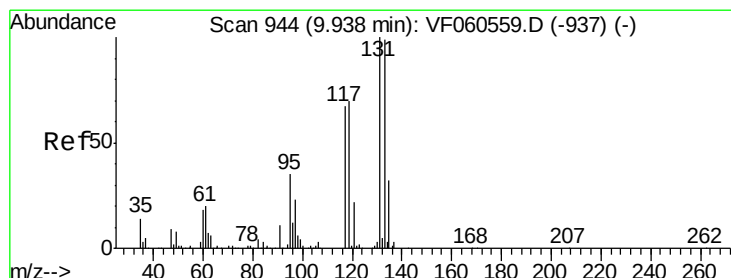
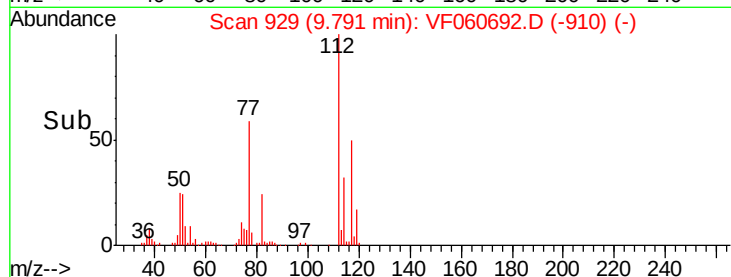
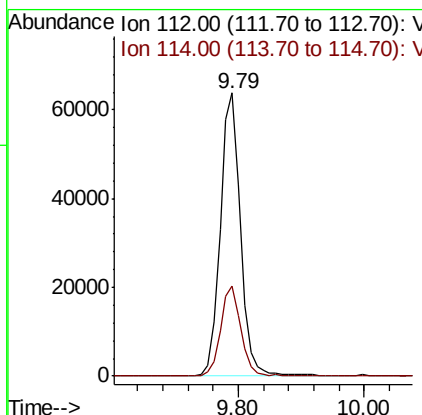
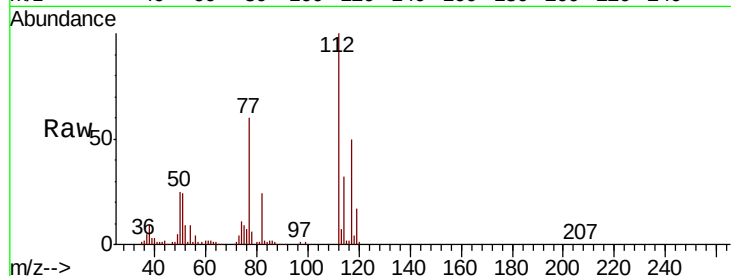
#65
Chlorobenzene
Concen: 20.025 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.01 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Instrument :
MSVOA_F
ClientSampleId :
VF1112SBSD01

Tot Ion:112 Resp: 143073
Ion Ratio Lower Upper
112 100
114 31.7 26.6 40.0

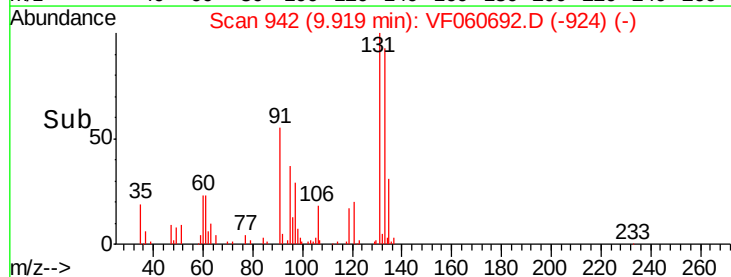
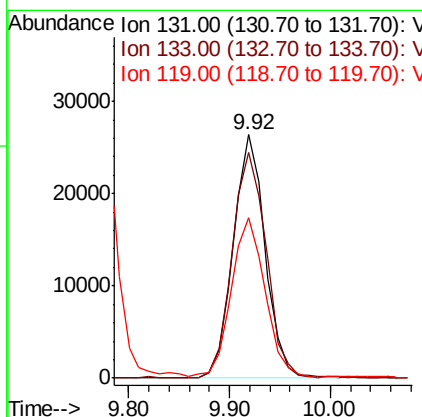
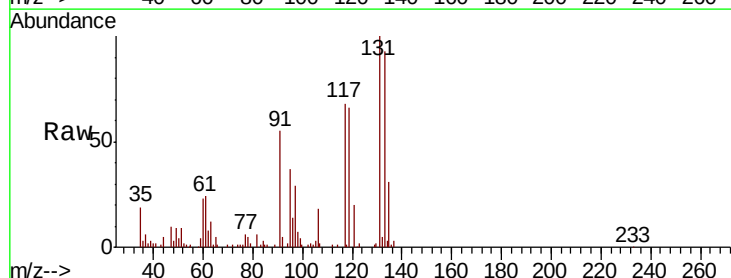
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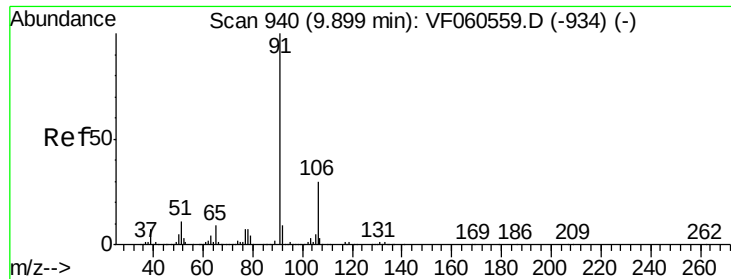
MMDadoda
11/13/2018 2:11:05 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.171 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.02 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Tgt Ion:131 Resp: 57875
Ion Ratio Lower Upper
131 100
133 92.9 49.5 148.7
119 65.8 35.2 105.6





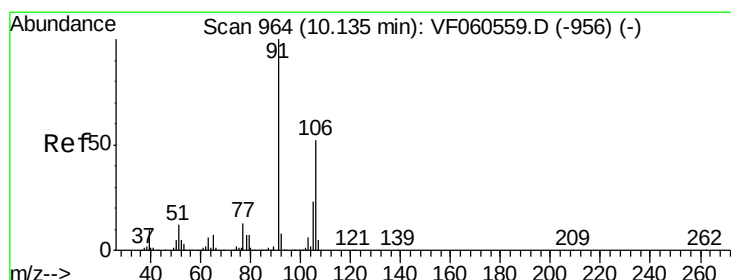
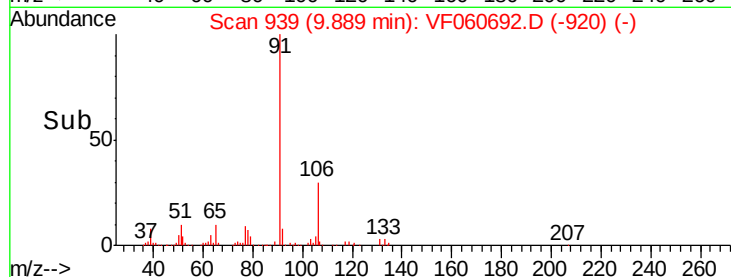
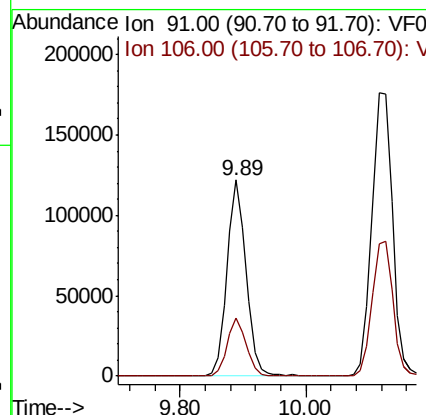
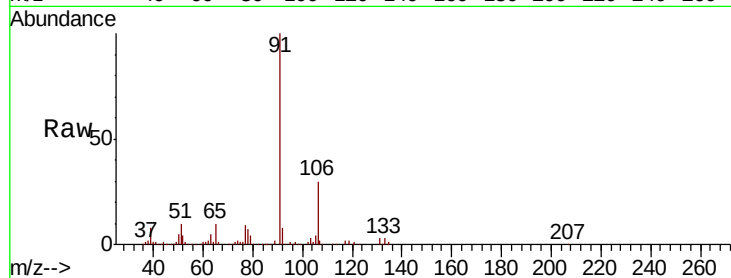
#67
Ethyl Benzene
Concen: 19.961 ug/l
RT: 9.89 min Scan# 939
Delta R.T. -0.01 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Instrument :
MSVOA_F
ClientSampleId :
VF1112SBSD01

Tot Ion: 91 Resp: 258800
Ion Ratio Lower Upper
91 100
106 29.5 24.2 36.4

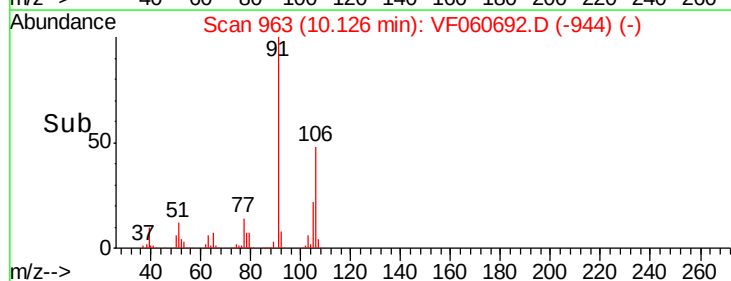
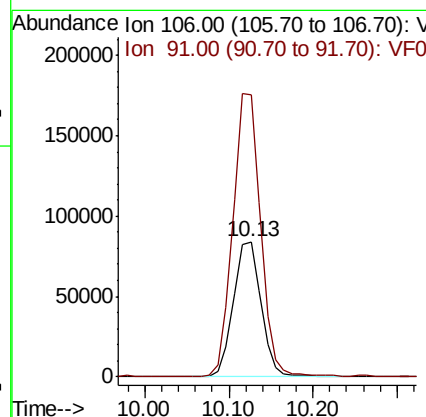
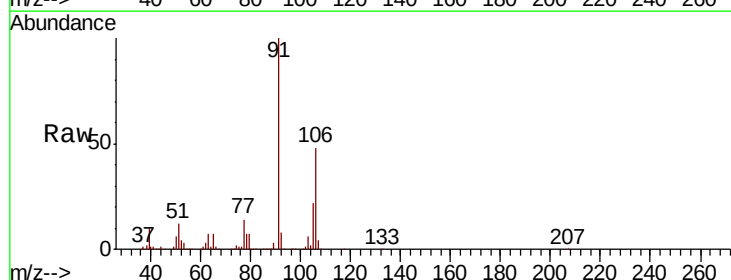
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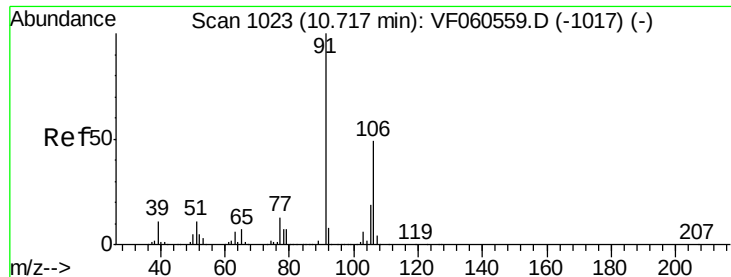
MMDadoda
11/13/2018 2:11:05 PM



#68
m/p-Xylenes
Concen: 39.501 ug/l
RT: 10.13 min Scan# 963
Delta R.T. -0.01 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Tgt Ion: 106 Resp: 192917
Ion Ratio Lower Upper
106 100
91 208.6 153.9 230.9





#69

o-Xylene

Concen: 20.835 ug/l

RT: 10.71 min Scan# 1022

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBS01

Tot Ion:106 Resp: 111110

Ion Ratio Lower Upper

106 100

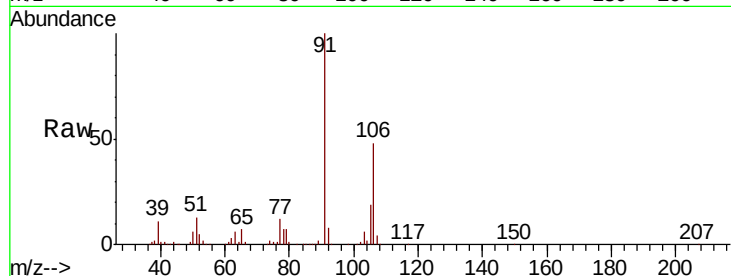
91 208.5 101.8 305.3

Manual Integrations

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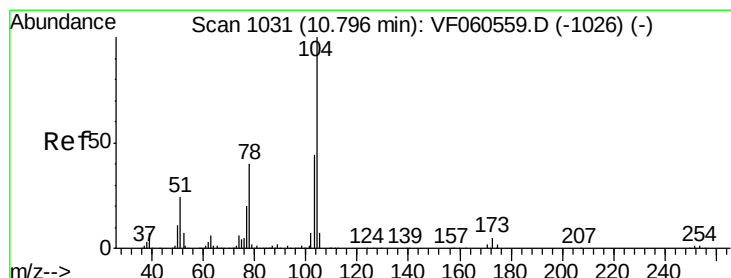
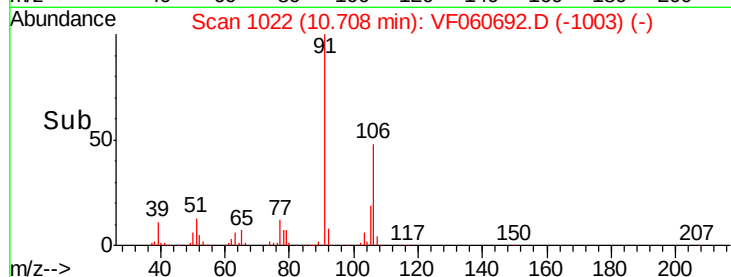
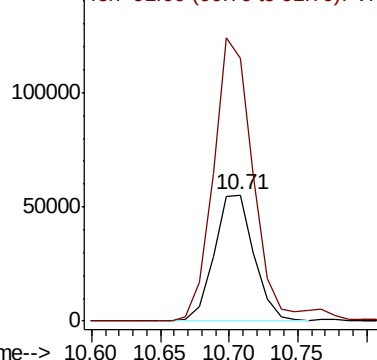
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#70

Styrene

Concen: 20.415 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. -0.02 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

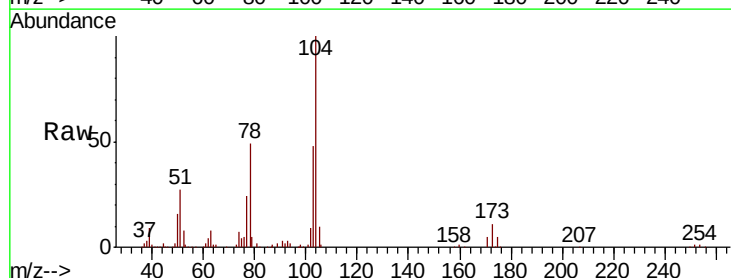
Tgt Ion:104 Resp: 157721

Ion Ratio Lower Upper

104 100

78 49.1 32.6 49.0#

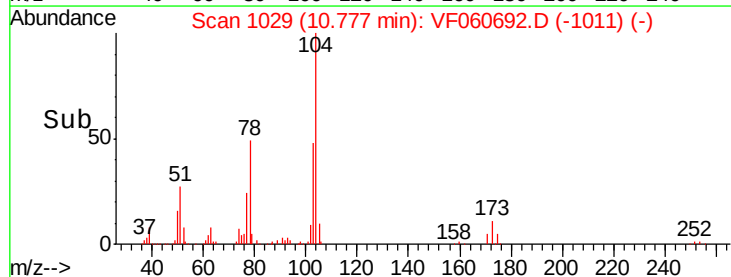
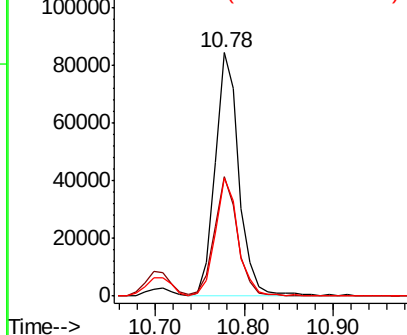
103 48.5 35.2 52.8

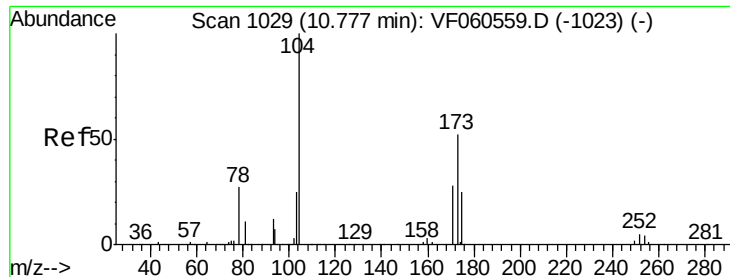


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VF0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.253 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

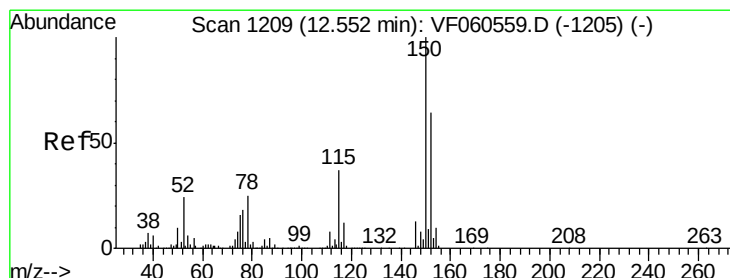
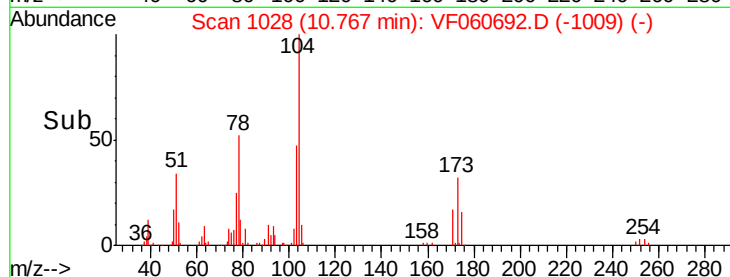
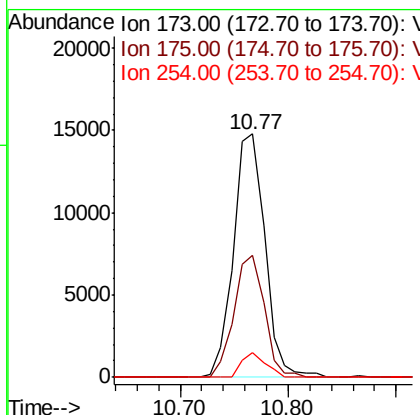
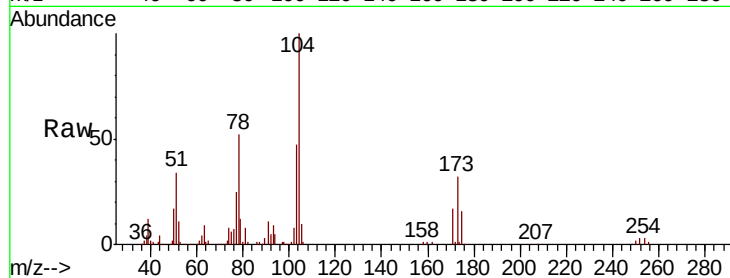
ClientSampleId :

VF1112SBS01

Tot Ion:	173	Resp:	30018
Ion Ratio	Lower	Upper	
173	100		
175	50.3	24.3	72.9
254	10.3	6.7	10.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

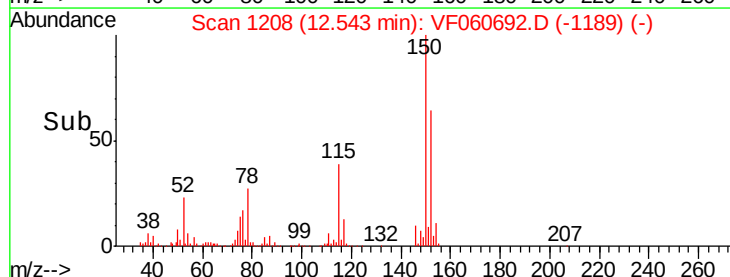
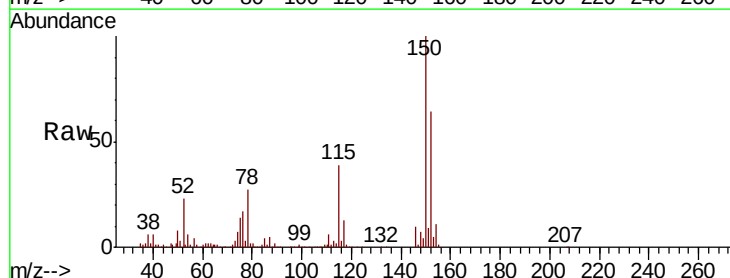
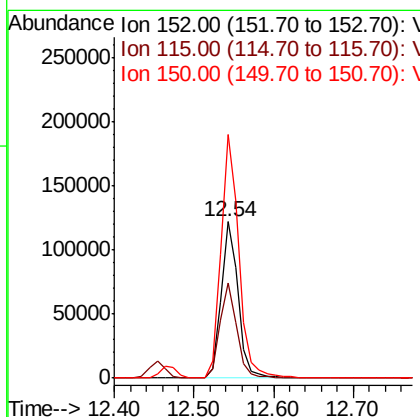
RT: 12.54 min Scan# 1208

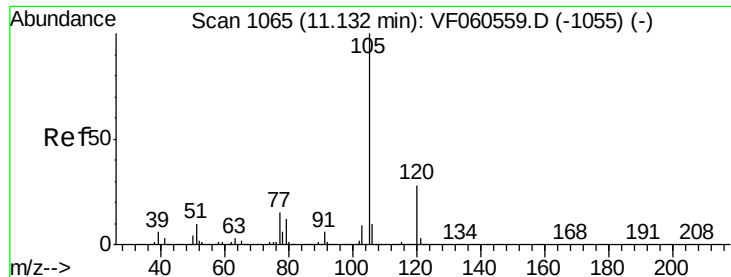
Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Tgt Ion:	152	Resp:	183633
Ion Ratio	Lower	Upper	
152	100		
115	60.7	29.6	88.8
150	156.1	0.0	315.6





#73

Isopropylbenzene

Concen: 22.998 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.02 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBS01

Tot Ion:105 Resp: 329364

Ion Ratio Lower Upper

105 100

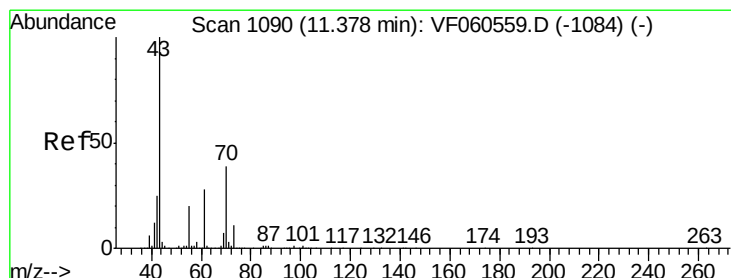
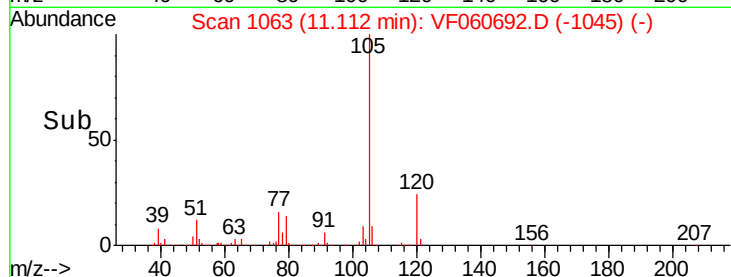
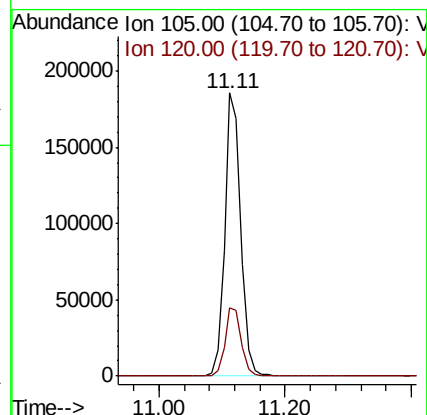
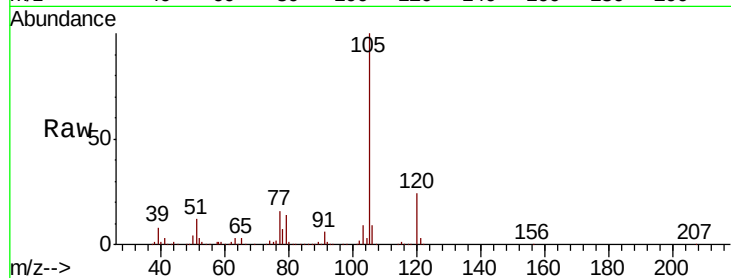
120 24.1 13.9 41.6

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#74

N-ethyl acetate

Concen: 22.721 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Tgt Ion: 43 Resp: 89505

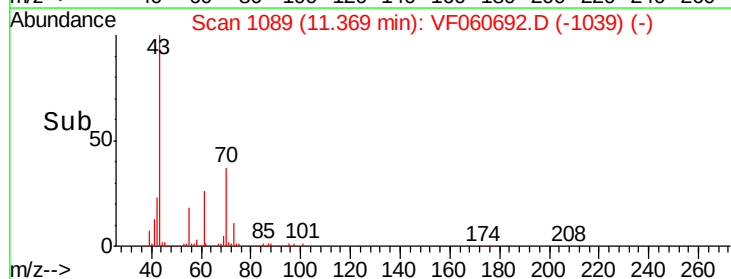
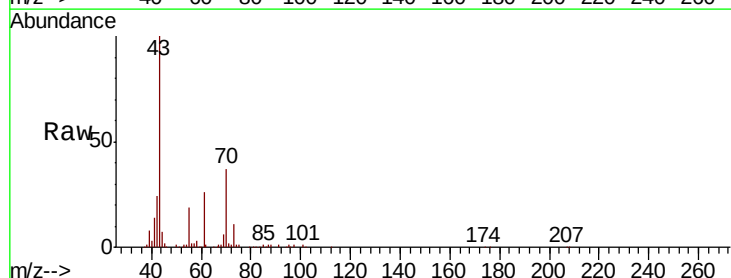
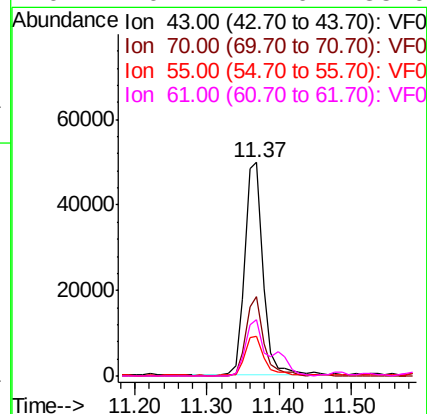
Ion Ratio Lower Upper

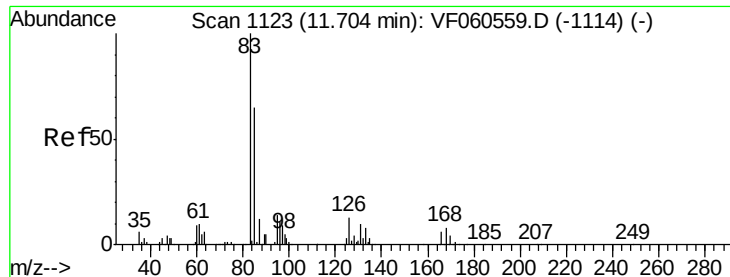
43 100

70 37.0 30.9 46.3

55 18.6 16.6 24.8

61 26.2 22.0 33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.234 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

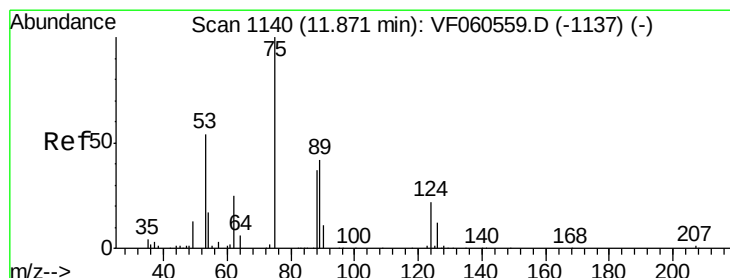
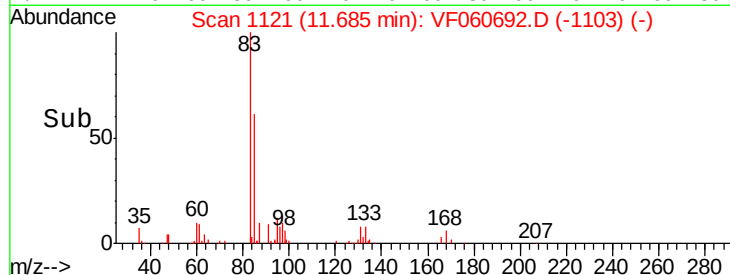
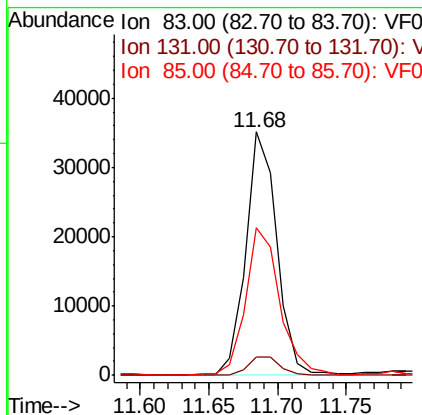
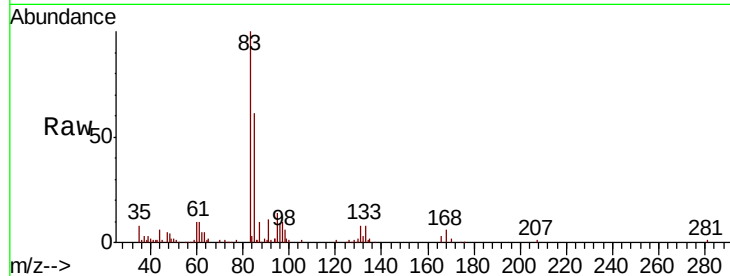
ClientSampleId :

VF1112SBSD01

Tot Ion:	83	Resp:	55505
Ion Ratio	Lower	Upper	
83	100		
131	7.6	5.0	14.9
85	60.8	32.9	98.7

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#76

1,2,3-Trichloropropane

Concen: 20.453 ug/l

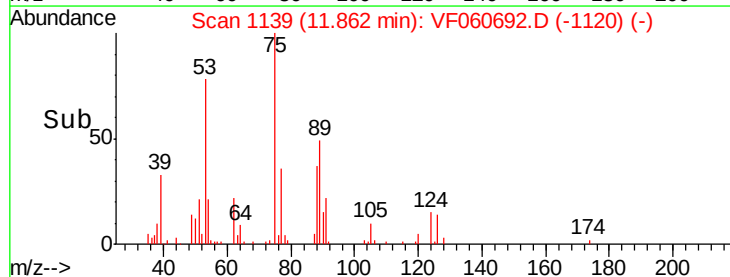
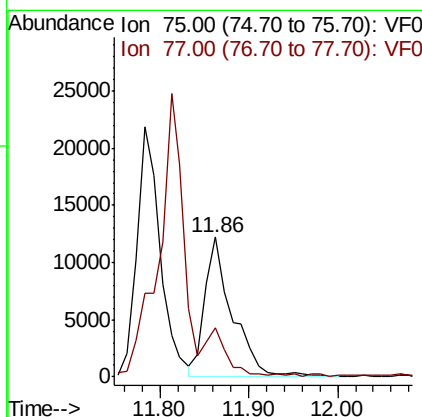
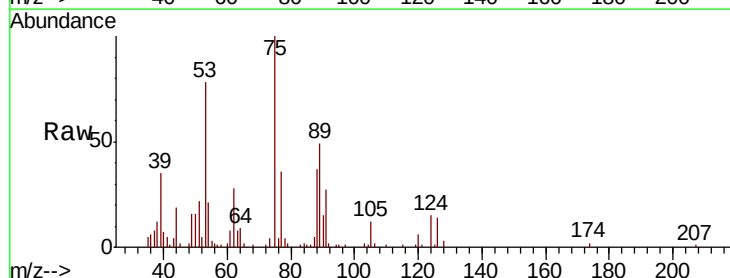
RT: 11.86 min Scan# 1139

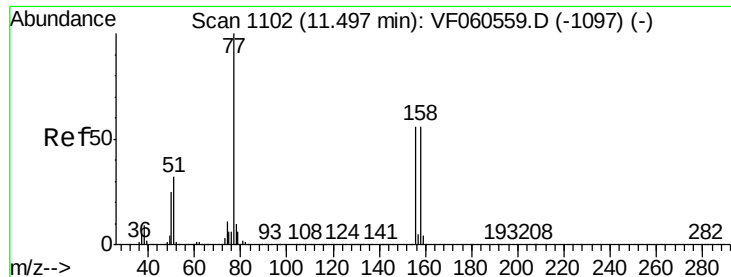
Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Tgt Ion:	75	Resp:	26275
Ion Ratio	Lower	Upper	
75	100		
77	35.5	17.4	52.3





#77

Bromobenzene

Concen: 21.847 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBS01

Tot Ion:156 Resp: 68460

Ion Ratio Lower Upper

156 100

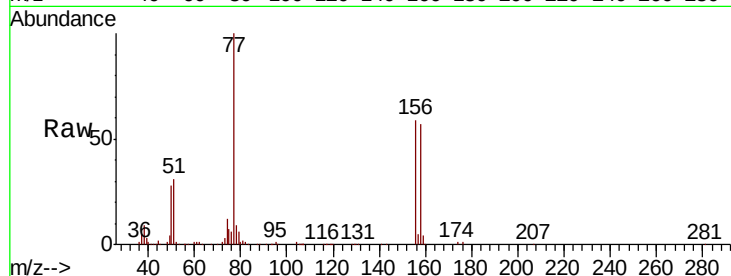
77 168.4 89.3 268.1

158 96.7 50.0 150.1

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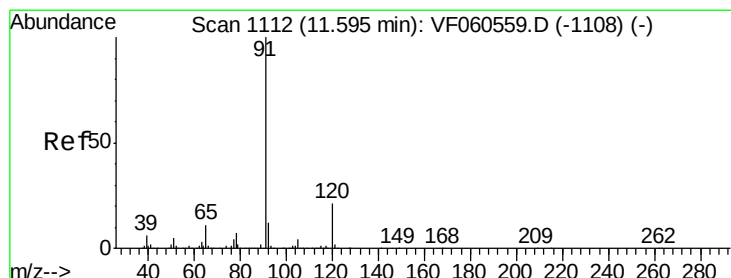
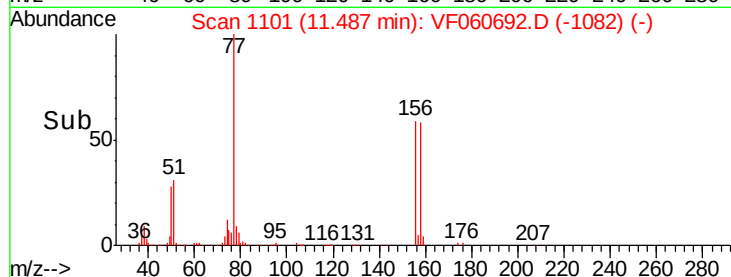
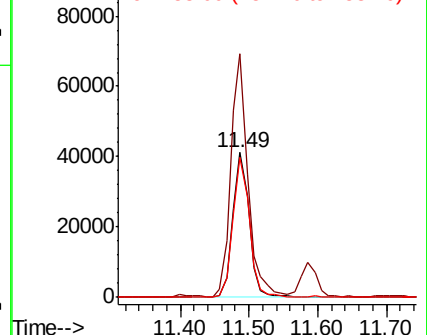
11/13/2018 2:11:05 PM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 23.472 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF060692.D

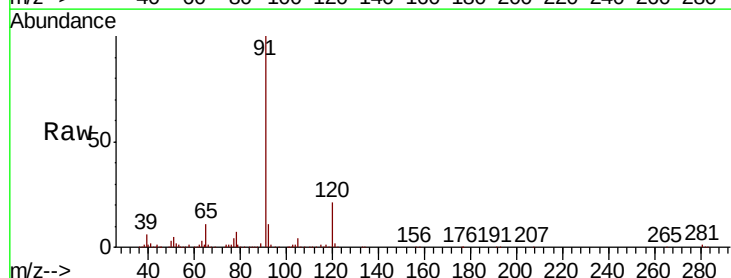
Acq: 12 Nov 2018 18:34

Tgt Ion: 91 Resp: 393290

Ion Ratio Lower Upper

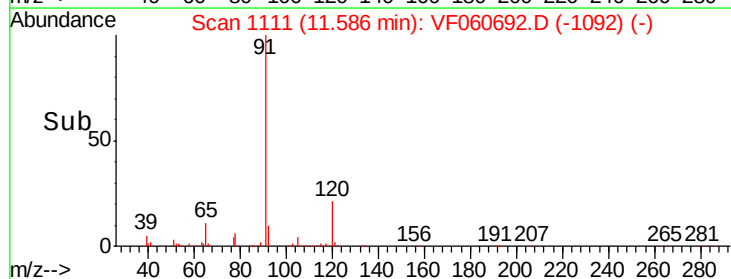
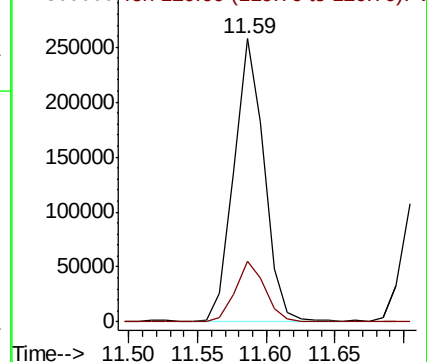
91 100

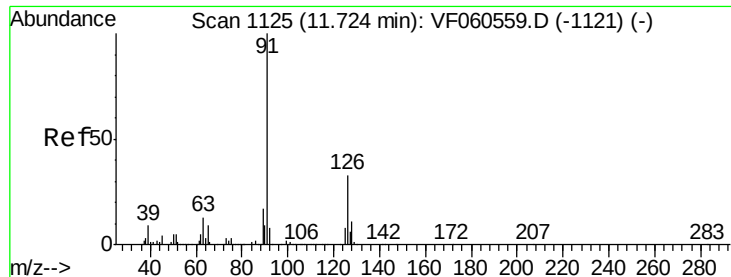
120 21.4 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





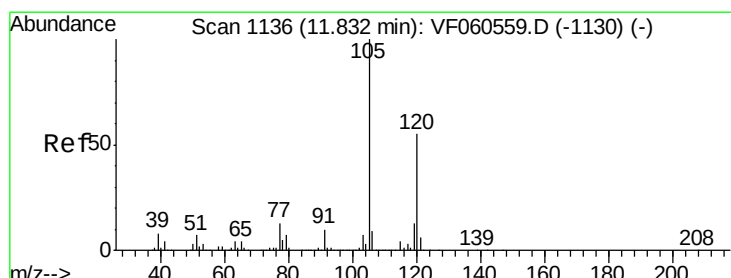
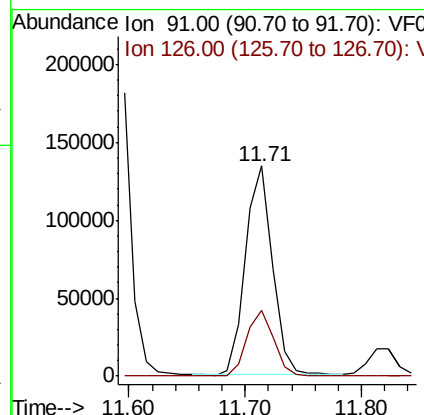
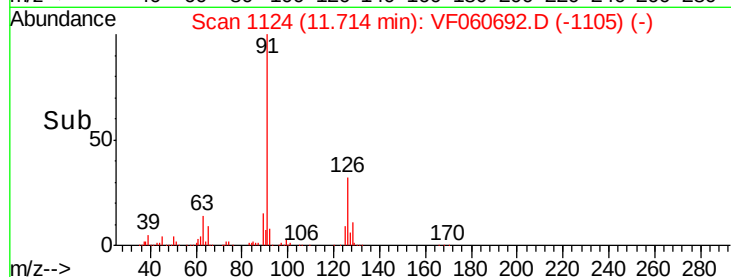
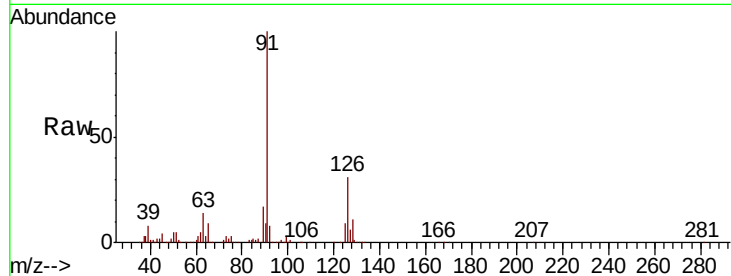
#79
2-Chlorotoluene
Concen: 22.537 ug/l
RT: 11.71 min Scan# 1124
Delta R.T. -0.01 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Instrument :
MSVOA_F
ClientSampleId :
VF1112SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.4	16.5	49.5

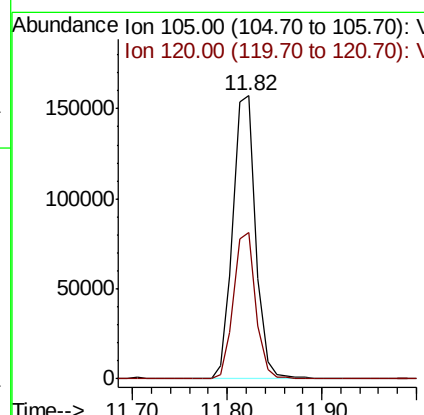
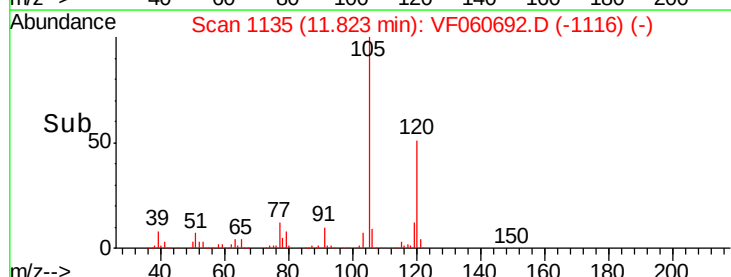
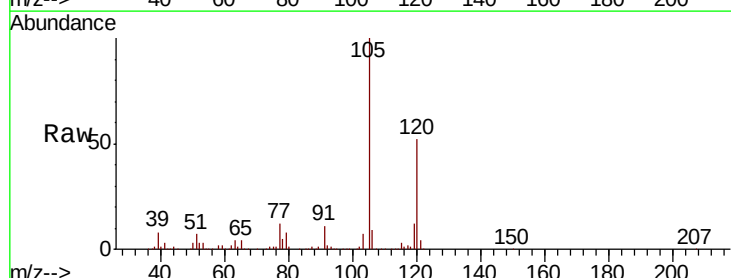
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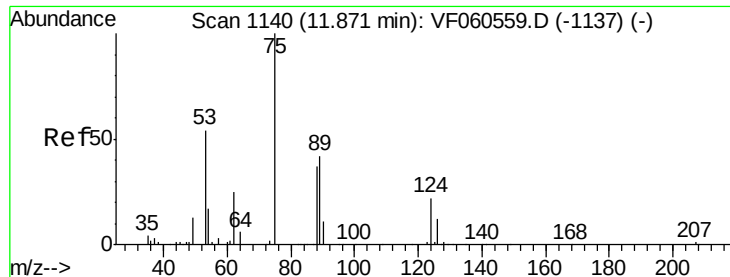
MMDadoda
11/13/2018 2:11:05 PM



#80
1,3,5-Trimethylbenzene
Concen: 22.403 ug/l
RT: 11.82 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.7	27.6	82.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.238 ug/l m

RT: 11.86 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

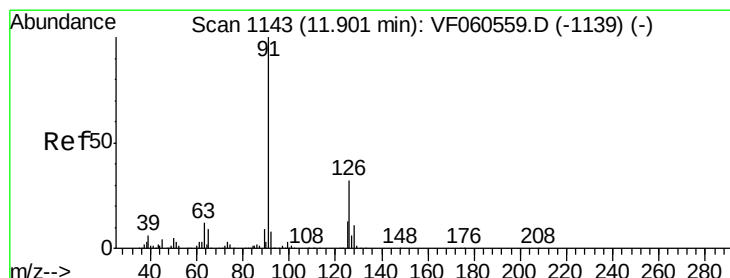
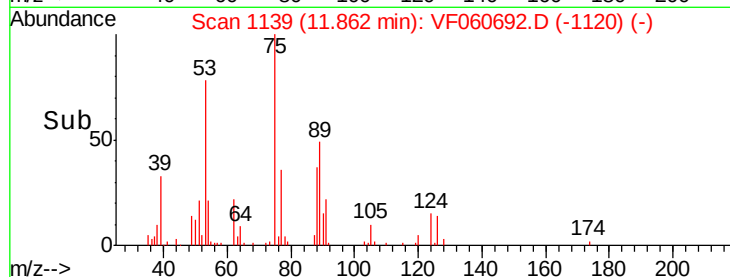
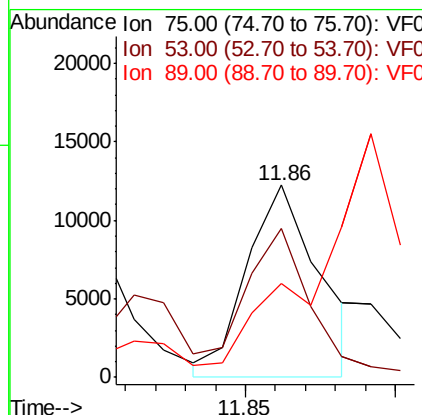
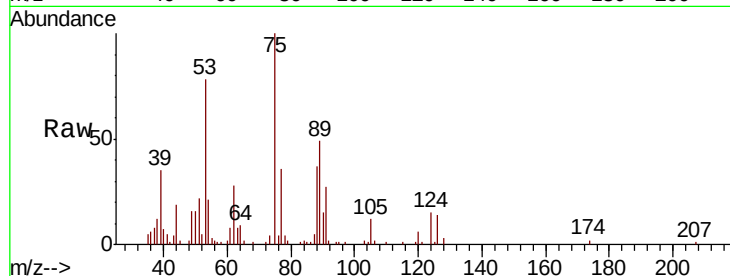
ClientSampleId :

VF1112SBSD01

Tot Ion:	75	Resp:	20433
Ion Ratio	Lower	Upper	
75	100		
53	77.9	51.6	77.4#
89	49.1	36.7	55.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.911 ug/l

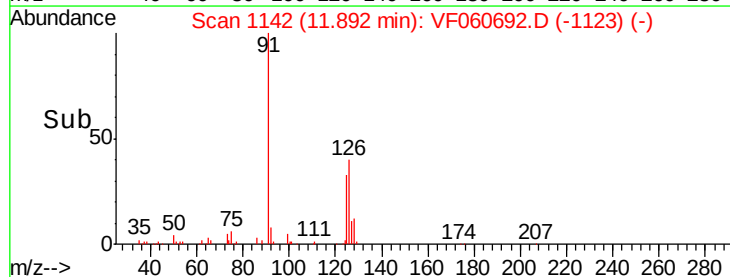
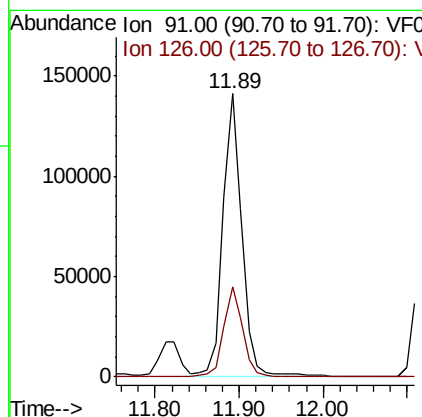
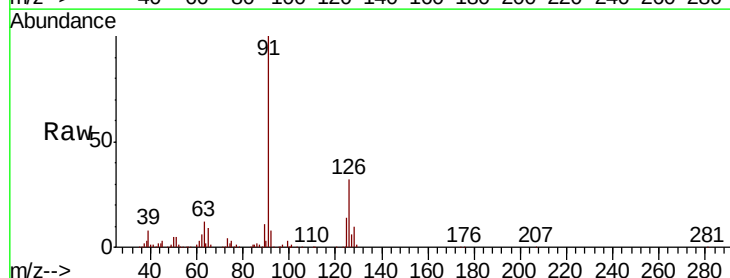
RT: 11.89 min Scan# 1142

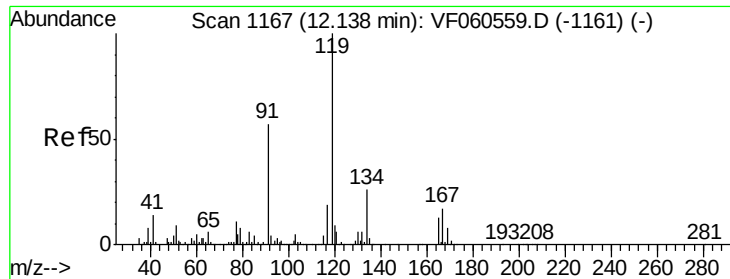
Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Tgt Ion:	91	Resp:	218756
Ion Ratio	Lower	Upper	
91	100		
126	32.0	15.9	47.7





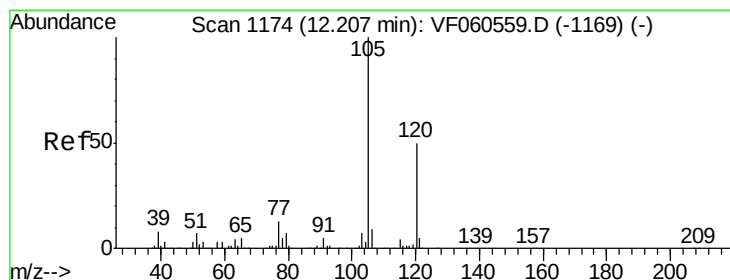
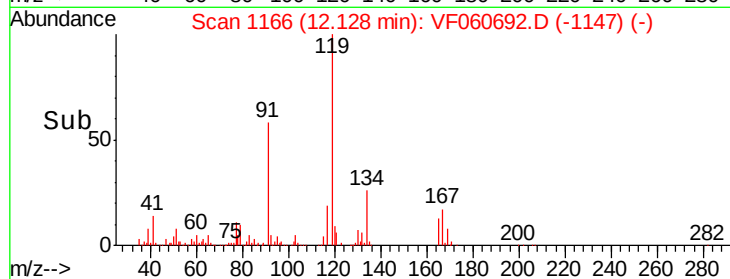
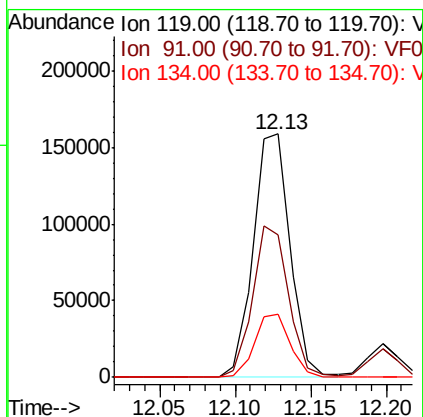
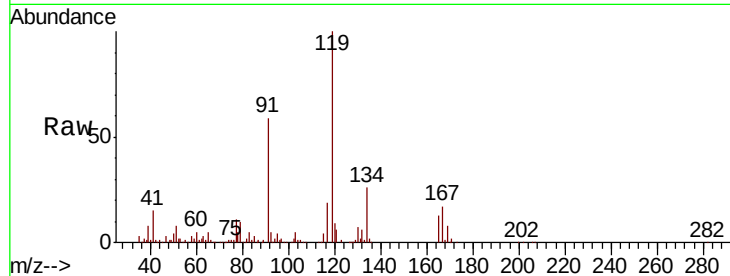
#83
tert-Butylbenzene
Concen: 22.427 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. -0.01 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Instrument :
MSVOA_F
ClientSampleId :
VF1112SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.8	28.8	86.4
134	25.9	13.2	39.6

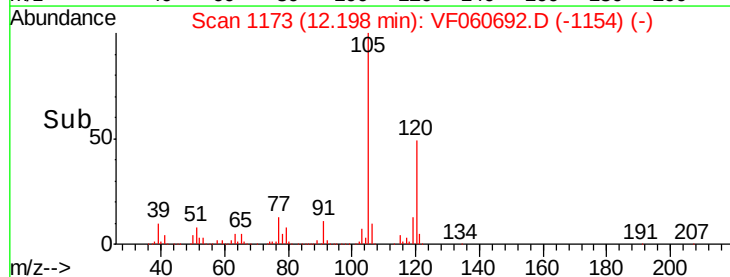
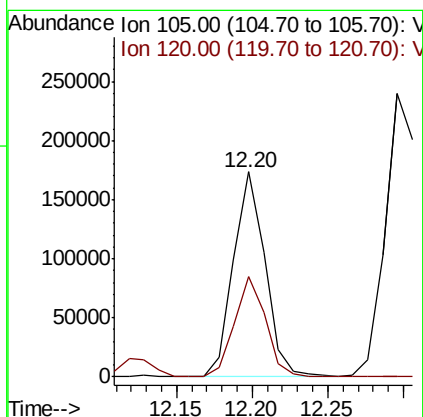
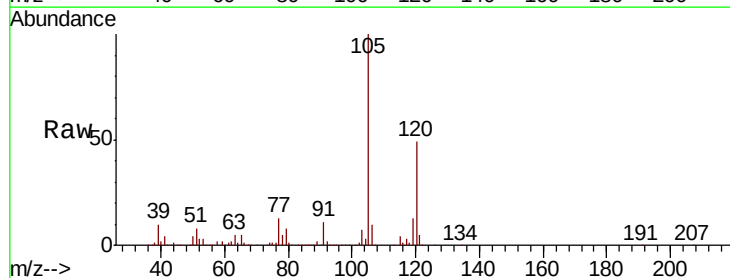
Manual Integrations
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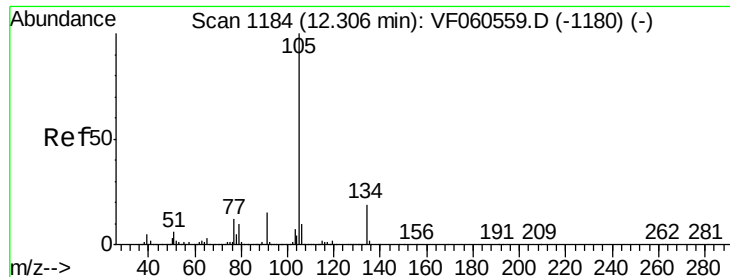
MMDadoda
11/13/2018 2:11:05 PM



#84
1,2,4-Trimethylbenzene
Concen: 21.874 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.01 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.9	25.6	76.8





#85

sec-Butylbenzene

Concen: 22.552 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

Instrument :

MSVOA_F

ClientSampleId :

VF1112SBSD01

Tot Ion:105 Resp: 374124

Ion Ratio Lower Upper

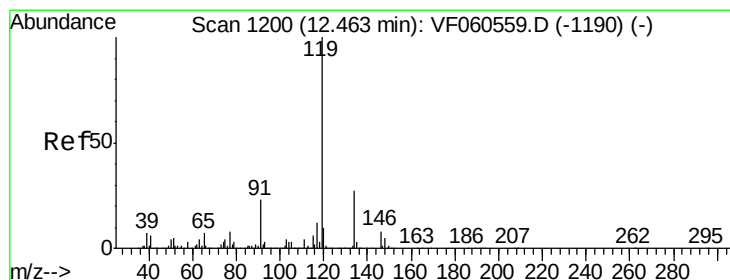
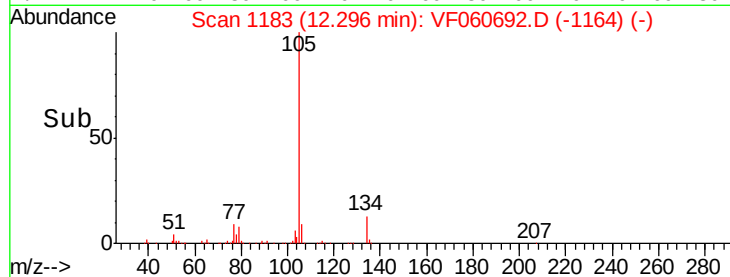
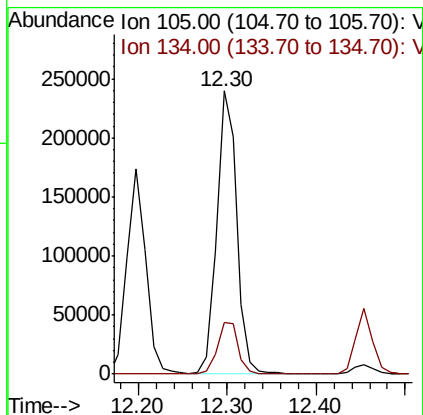
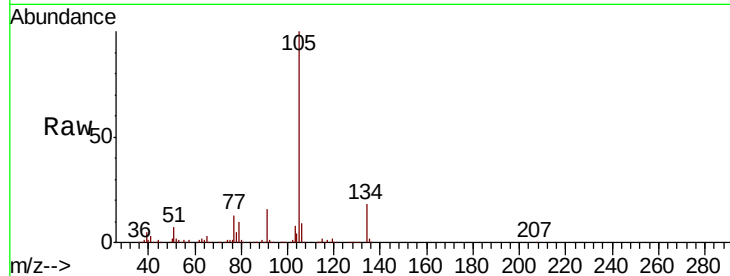
105 100

134 18.1 9.7 29.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 22.741 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF060692.D

Acq: 12 Nov 2018 18:34

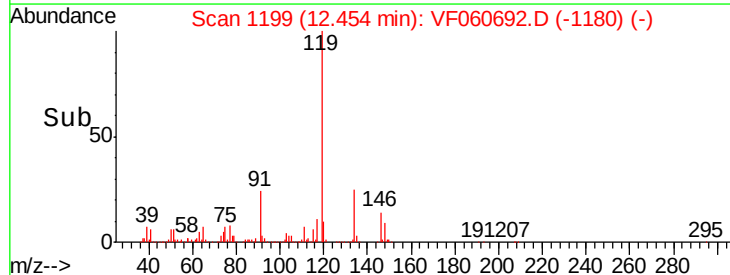
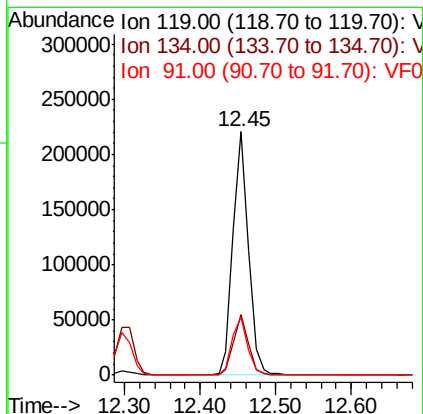
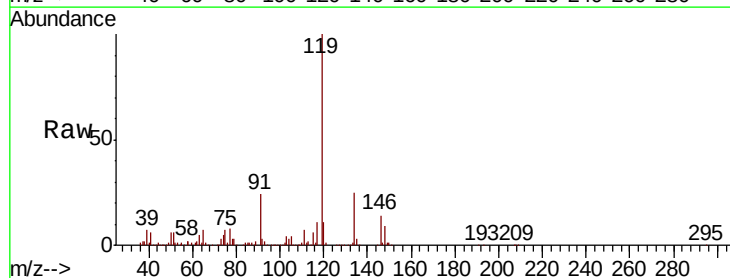
Tgt Ion:119 Resp: 310666

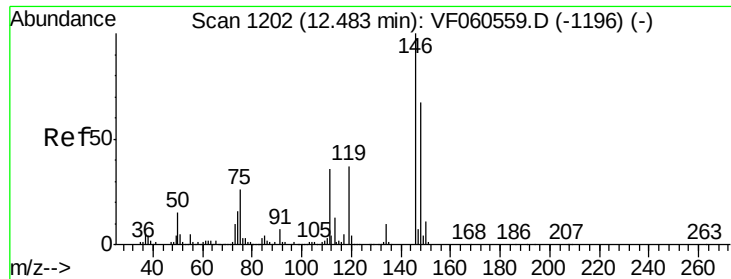
Ion Ratio Lower Upper

119 100

134 25.0 13.6 40.7

91 24.0 11.4 34.2





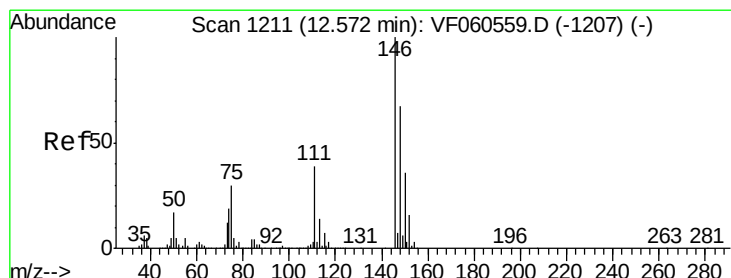
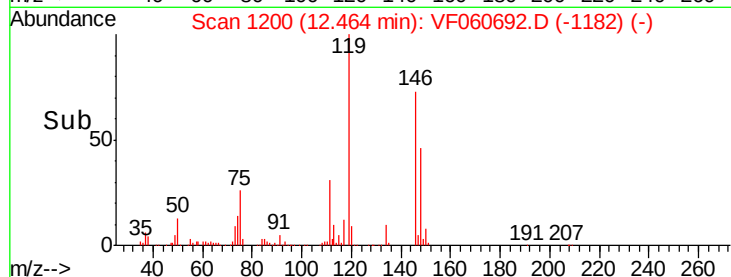
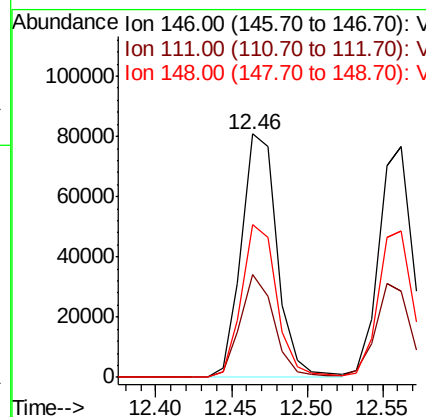
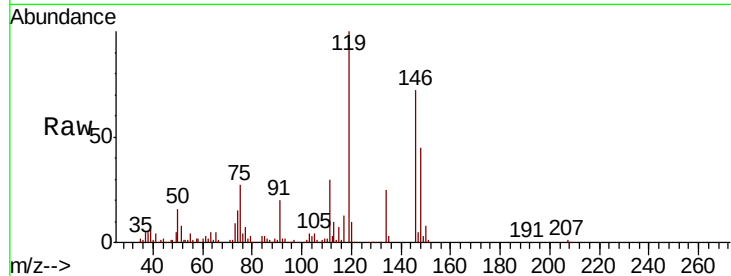
#87
 1,3-Dichlorobenzene
 Concen: 21.725 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VF060692.D
 Acq: 12 Nov 2018 18:34

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1112SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	18.3	54.8
148	62.6	33.5	100.4

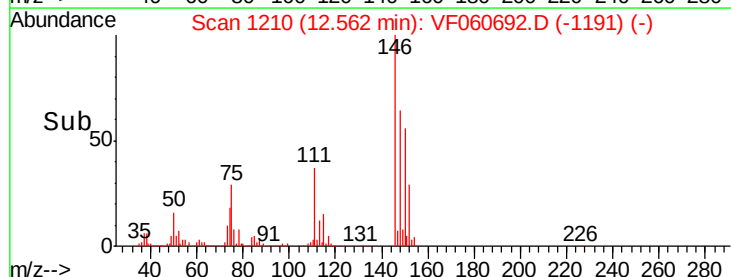
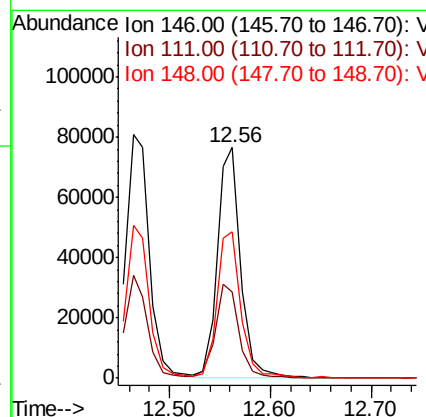
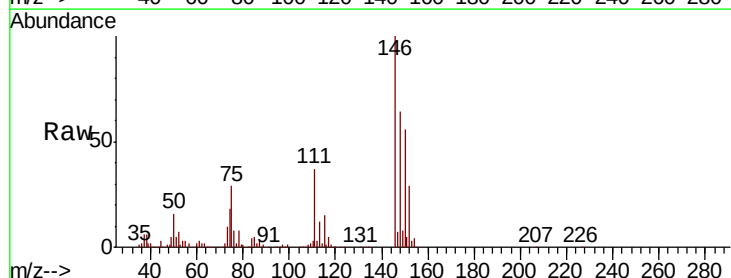
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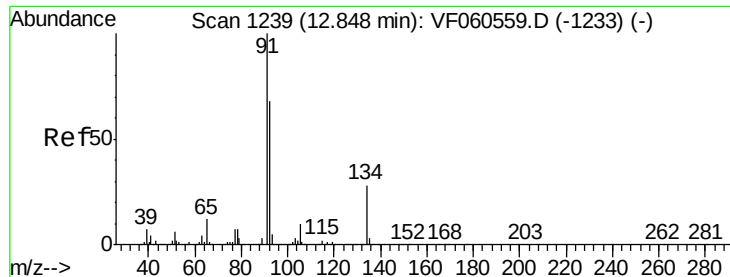
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#88
 1,4-Dichlorobenzene
 Concen: 21.194 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: VF060692.D
 Acq: 12 Nov 2018 18:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	19.7	59.1
148	63.5	33.7	101.1





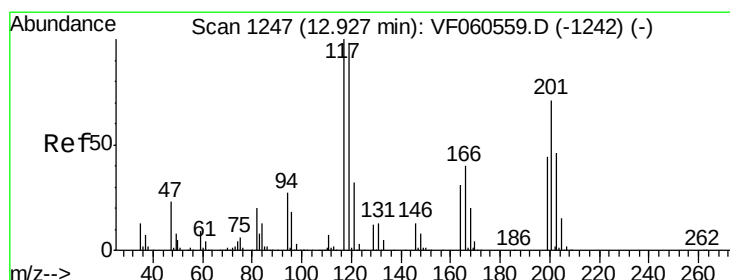
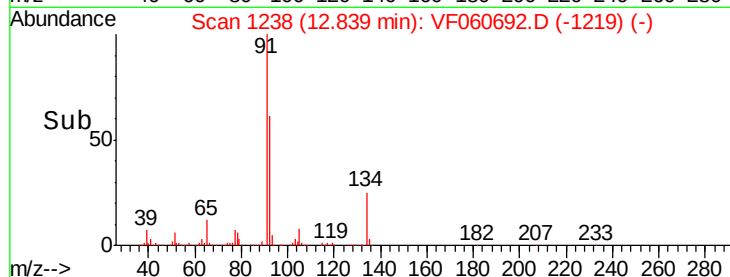
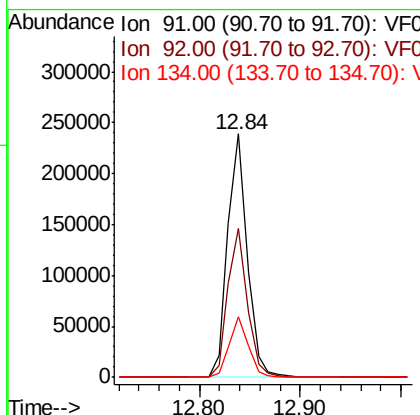
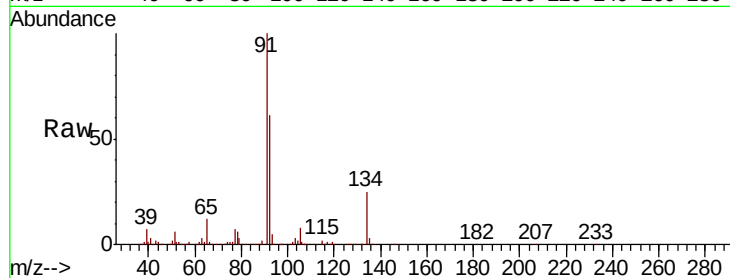
#89
n-Butylbenzene
Concen: 21.783 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Instrument :
MSVOA_F
ClientSampleId :
VF1112SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.4	34.1	102.2
134	24.6	13.9	41.6

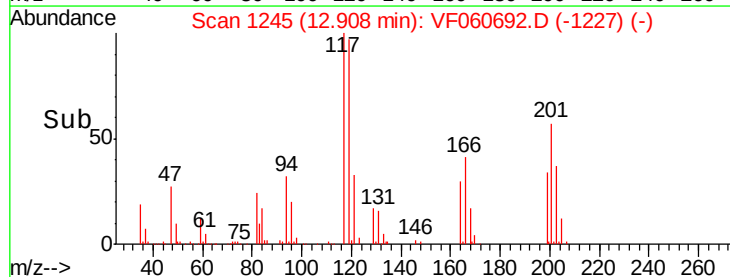
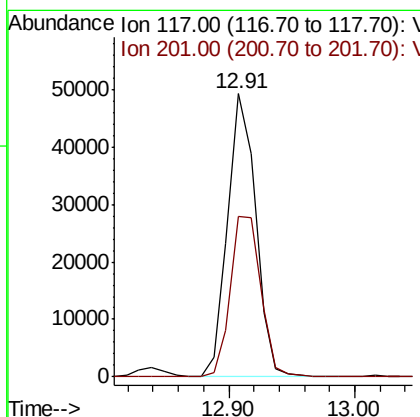
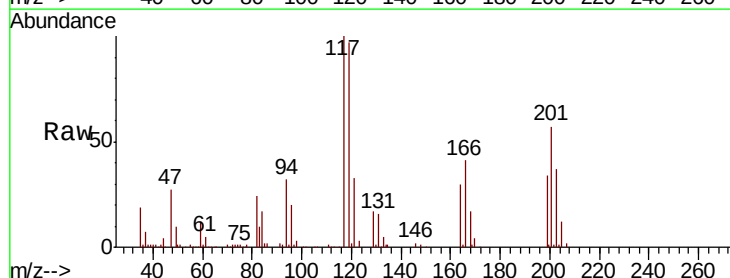
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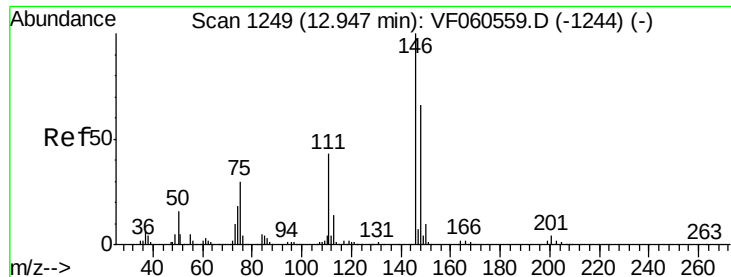
MMDadoda
11/13/2018 2:11:05 PM



#90
Hexachloroethane
Concen: 21.917 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.02 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	58.1	35.2	105.6





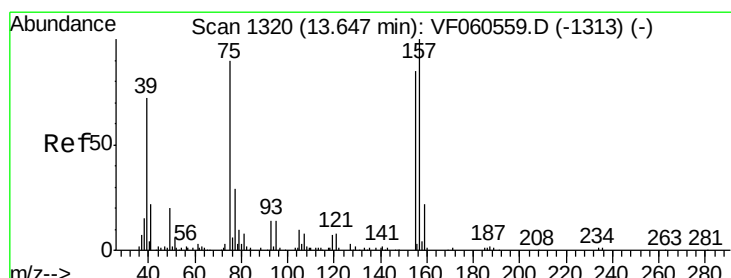
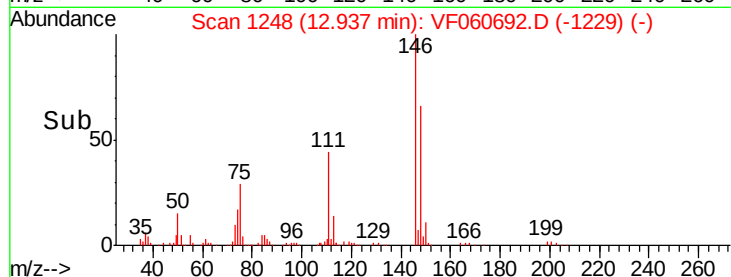
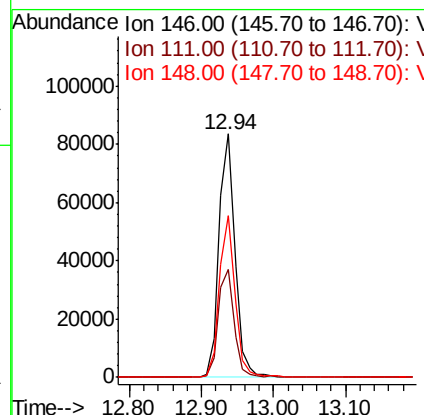
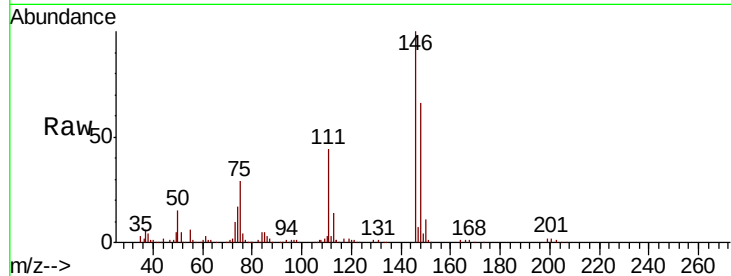
#91
 1,2-Dichlorobenzene
 Concen: 22.080 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: VF060692.D
 Acq: 12 Nov 2018 18:34

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1112SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	127052		
111	44.4	21.3	64.0	
148	66.2	32.9	98.7	

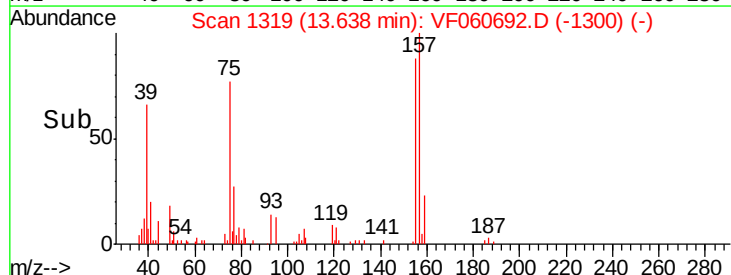
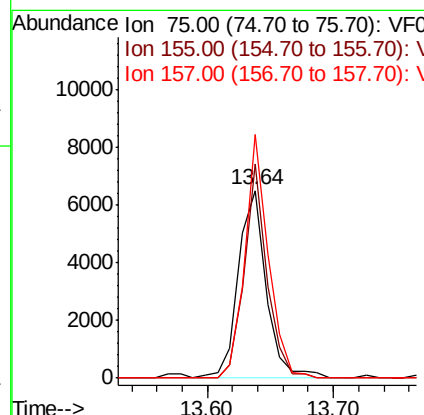
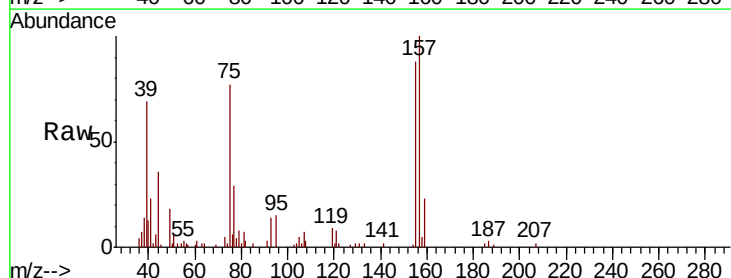
Manual Integrations
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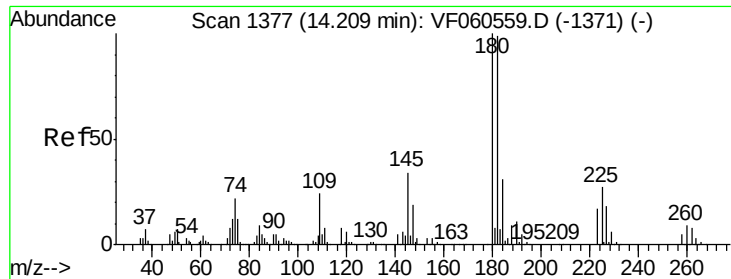
MMDadoda
 11/13/2018 2:11:05 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.883 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VF060692.D
 Acq: 12 Nov 2018 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	9938		
155	114.0	47.3	141.8	
157	130.0	55.3	165.9	





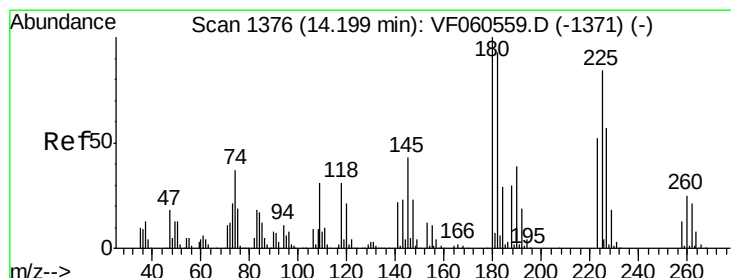
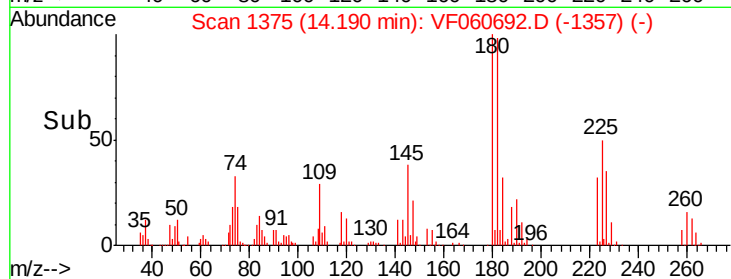
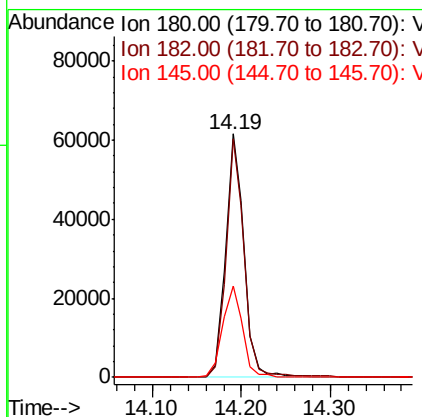
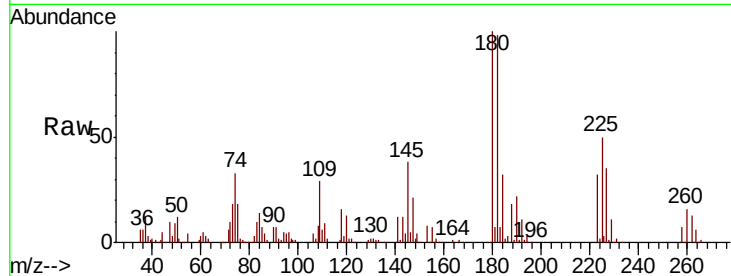
#93
 1,2,4-Trichlorobenzene
 Concen: 23.060 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF060692.D
 Acq: 12 Nov 2018 18:34

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1112SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	90146		
182	98.0	49.7	149.1	
145	37.7	16.9	50.7	

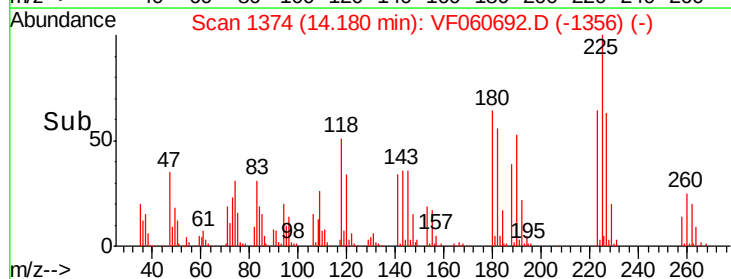
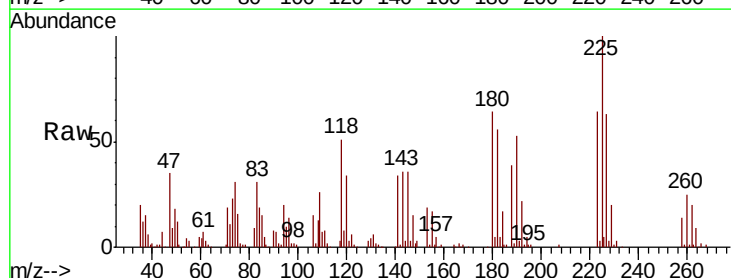
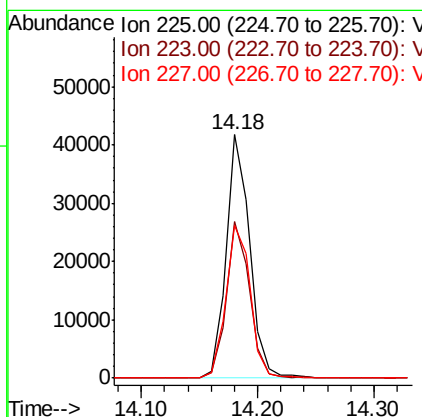
Manual Integrations
 APPROVED

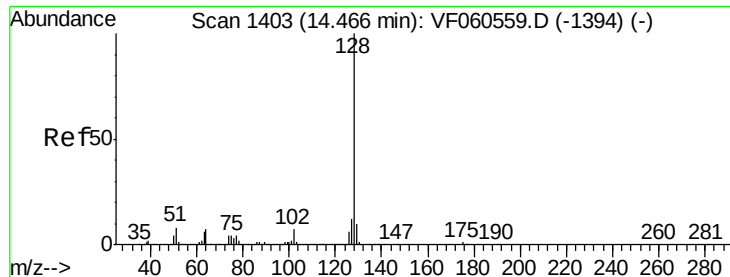
MMDadoda
 11/13/2018 2:11:05 PM



#94
 Hexachlorobutadiene
 Concen: 23.113 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.02 min
 Lab File: VF060692.D
 Acq: 12 Nov 2018 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	58547		
223	64.5	30.9	92.5	
227	62.6	33.9	101.6	





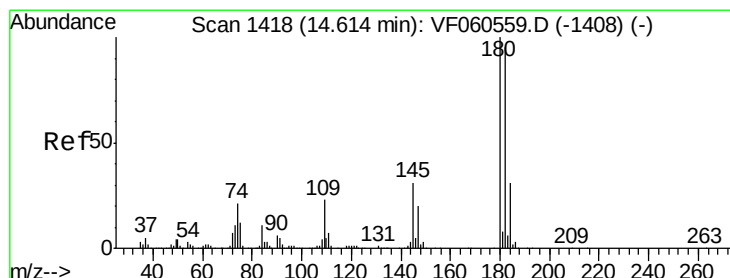
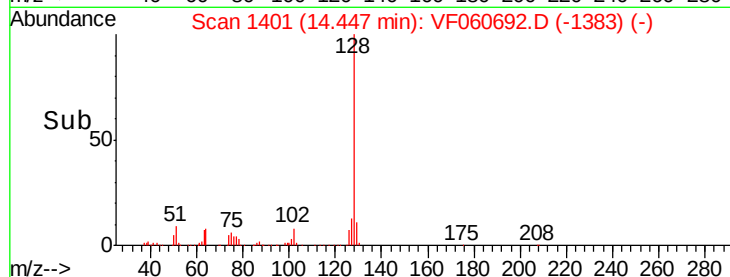
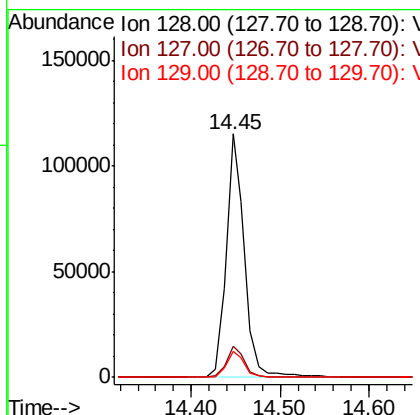
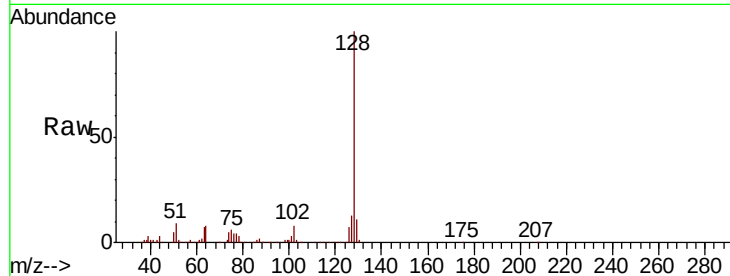
#95
Naphthalene
Concen: 21.226 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.02 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Instrument :
MSVOA_F
ClientSampleId :
VF1112SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	9.4	14.0
129	10.8	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
11/13/2018 2:11:05 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.449 ug/l
RT: 14.59 min Scan# 1416
Delta R.T. -0.02 min
Lab File: VF060692.D
Acq: 12 Nov 2018 18:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.2	47.3	142.0
145	37.2	15.6	46.8

