

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091715\
 Data File : VF045407.D
 Acq On : 17 Sep 2015 15:33
 Operator : FY/SY
 Sample : VF0917SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0917SBS01

Manual Integrations
 APPROVED

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 9/18/2015 12:28:51 PM

Quant Time: Sep 18 03:37:04 2015
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F091615S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 16:04:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.81	168	996800	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	5.55	114	1494248	50.00	ug/l	0.02
62) Chlorobenzene-d5	9.72	117	1329788	50.00	ug/l	0.02
71) 1,4-Dichlorobenzene-d4	12.49	152	776547	50.00	ug/l	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.78	65	521663	48.73	ug/l	0.02
Spiked Amount	50.000		Recovery	=	97.46%	
34) Dibromofluoromethane	4.05	113	569108	49.17	ug/l	0.03
Spiked Amount	50.000		Recovery	=	98.34%	
49) Toluene-d8	7.51	98	1773562	52.01	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.02%	
61) 4-Bromofluorobenzene	11.36	95	796065	48.56	ug/l	0.02
Spiked Amount	50.000		Recovery	=	97.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.94	85	186612	21.98	ug/l	96
3) Chloromethane	1.02	50	175370	24.13	ug/l	100
4) Vinyl Chloride	1.09	62	153115	24.58	ug/l	99
5) Bromomethane	1.26	94	79952	20.67	ug/l	99
6) Chloroethane	1.34	64	52528	21.16	ug/l	91
7) Trichlorofluoromethane	1.39	101	274768m	21.50	ug/l	
8) Diethyl Ether	1.60	74	54964	20.57	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.79	101	158438	21.54	ug/l	97
10) Methyl Iodide	1.81	142	320067	21.28	ug/l	96
11) Tert butyl alcohol	2.52	59	10360	86.13	ug/l #	79
12) 1,1-Dichloroethene	1.72	96	131430	21.51	ug/l	92
13) Acrolein	1.95	56	54754	109.85	ug/l #	80
14) Allyl chloride	2.06	41	198774	20.96	ug/l #	88
15) Acrylonitrile	2.89	53	119914	104.31	ug/l	91
16) Acetone	2.19	43	283226	116.55	ug/l	95
17) Carbon Disulfide	1.73	76	440424	21.15	ug/l	99
18) Methyl Acetate	2.30	43	203914	21.88	ug/l	98
19) Methyl tert-butyl Ether	2.39	73	105999	22.04	ug/l	99
20) Methylene Chloride	2.14	84	134726	17.20	ug/l	87
21) trans-1,2-Dichloroethene	2.27	96	146070	21.32	ug/l	97
22) Diisopropyl ether	2.75	45	424155	20.99	ug/l #	96
23) Vinyl Acetate	3.14	43	658083	111.55	ug/l	98
24) 1,1-Dichloroethane	2.82	63	289618	21.17	ug/l #	96
25) 2-Butanone	4.27	43	375140	110.35	ug/l	99
26) 2,2-Dichloropropane	3.55	77	289366	22.71	ug/l	97
27) cis-1,2-Dichloroethene	3.42	96	224789	21.25	ug/l	96
28) Bromochloromethane	3.66	49	125754	23.41	ug/l #	99
29) Chloroform	3.80	83	422409	21.97	ug/l	95
30) Cyclohexane	3.65	56	294948	23.89	ug/l	97
31) 1,1,1-Trichloroethane	4.04	97	340202	21.36	ug/l	96
35) 1,1-Dichloropropene	4.22	75	285354	20.13	ug/l	98
36) Ethyl Acetate	4.05	43	148736	20.74	ug/l #	74
37) Carbon Tetrachloride	3.93	117	312163	20.90	ug/l	96
38) Methylcyclohexane	5.41	83	322054	21.13	ug/l	96

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Manual Integrations
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Quant Time: Sep 18 03:37:04 2015
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F091615S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 16:04:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.58	78	701188	21.16	ug/l	95
40) Methacrylonitrile	4.69	41	65664	19.34	ug/l #	90
41) 1,2-Dichloroethane	4.88	62	261642	19.57	ug/l	92
42) Isopropyl Acetate	6.92	43	197717	20.92	ug/l #	97
43) Trichloroethene	5.45	130	233905	20.67	ug/l	91
44) 1,2-Dichloropropane	6.18	63	204429	21.17	ug/l	99
45) Dibromomethane	6.03	93	139233	20.26	ug/l	98
46) Bromodichloromethane	6.33	83	301973	19.63	ug/l #	98
47) Methyl methacrylate	6.67	41	120722	21.05	ug/l #	89
48) 1,4-Dioxane	6.65	88	27640	402.26	ug/l #	84
50) 4-Methyl-2-Pentanone	8.21	43	706125	105.08	ug/l	98
51) Toluene	7.58	92	573305	22.45	ug/l	99
52) t-1,3-Dichloropropene	8.22	75	288112	20.83	ug/l	98
53) cis-1,3-Dichloropropene	7.25	75	347643	21.29	ug/l #	89
54) 1,1,2-Trichloroethane	8.43	97	187041	21.66	ug/l	92
55) Ethyl methacrylate	8.57	69	226891	20.19	ug/l	98
56) 1,3-Dichloropropane	8.79	76	295631	20.98	ug/l	99
58) 2-Hexanone	9.44	43	594510	111.15	ug/l	95
59) Dibromochloromethane	8.65	129	238468	19.48	ug/l	91
60) 1,2-Dibromoethane	8.93	107	206429	21.06	ug/l	88
63) Tetrachloroethene	8.10	164	245066	23.20	ug/l	95
64) Chlorobenzene	9.74	112	637049	22.83	ug/l	99
65) 1,1,1,2-Tetrachloroethane	9.86	131	222763	21.84	ug/l	94
66) Ethyl Benzene	9.84	91	1128754	23.35	ug/l	99
67) m/p-Xylenes	10.08	106	806583	46.55	ug/l	93
68) o-Xylene	10.66	106	412147	22.92	ug/l	98
69) Styrene	10.74	104	675668	23.54	ug/l	97
70) Bromoform	10.71	173	154272	20.39	ug/l	95
72) Isopropylbenzene	11.08	105	1187994	22.83	ug/l	99
73) N-amyl acetate	11.33	43	321020	22.26	ug/l #	87
74) 1,1,2,2-Tetrachloroethane	11.65	83	247849	21.02	ug/l	95
75) 1,2,3-Trichloropropane	11.74	75	177921	21.94	ug/l	96
76) Bromobenzene	11.44	156	325952	22.09	ug/l	97
77) n-propylbenzene	11.55	91	1514555	23.45	ug/l	99
78) 2-Chlorotoluene	11.67	91	819211	22.67	ug/l	99
79) 1,3,5-Trimethylbenzene	11.78	105	950252	22.41	ug/l	99
80) trans-1,4-Dichloro-2-buten	11.81	75	89974m	20.72	ug/l	
81) 4-Chlorotoluene	11.84	91	895593	22.43	ug/l	98
82) tert-Butylbenzene	12.08	119	956885	22.82	ug/l	99
83) 1,2,4-Trimethylbenzene	12.16	105	962839	22.15	ug/l	99
84) sec-Butylbenzene	12.26	105	1319725	22.64	ug/l	96
85) p-Isopropyltoluene	12.42	119	1064618	23.46	ug/l	97
86) 1,3-Dichlorobenzene	12.43	146	561967	22.40	ug/l	95
87) 1,4-Dichlorobenzene	12.51	146	557335	22.25	ug/l	98
88) n-Butylbenzene	12.79	91	1077953	23.63	ug/l	95
89) Hexachloroethane	12.86	117	206164	19.19	ug/l	91
90) 1,2-Dichlorobenzene	12.89	146	495840	21.49	ug/l	97
91) 1,2-Dibromo-3-Chloropropan	13.58	75	30878	19.72	ug/l	75
92) 1,2,4-Trichlorobenzene	14.14	180	268917	20.14	ug/l	96
93) Hexachlorobutadiene	14.13	225	171992	16.96	ug/l	98

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Instrument :
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ClientSampleId :
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Manual Integrations
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Quant Time: Sep 18 03:37:04 2015
Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F091615S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 16 16:04:03 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Naphthalene	14.39	128	479573	20.06	ug/l	98
95) 1,2,3-Trichlorobenzene	14.53	180	232541	21.20	ug/l	93

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

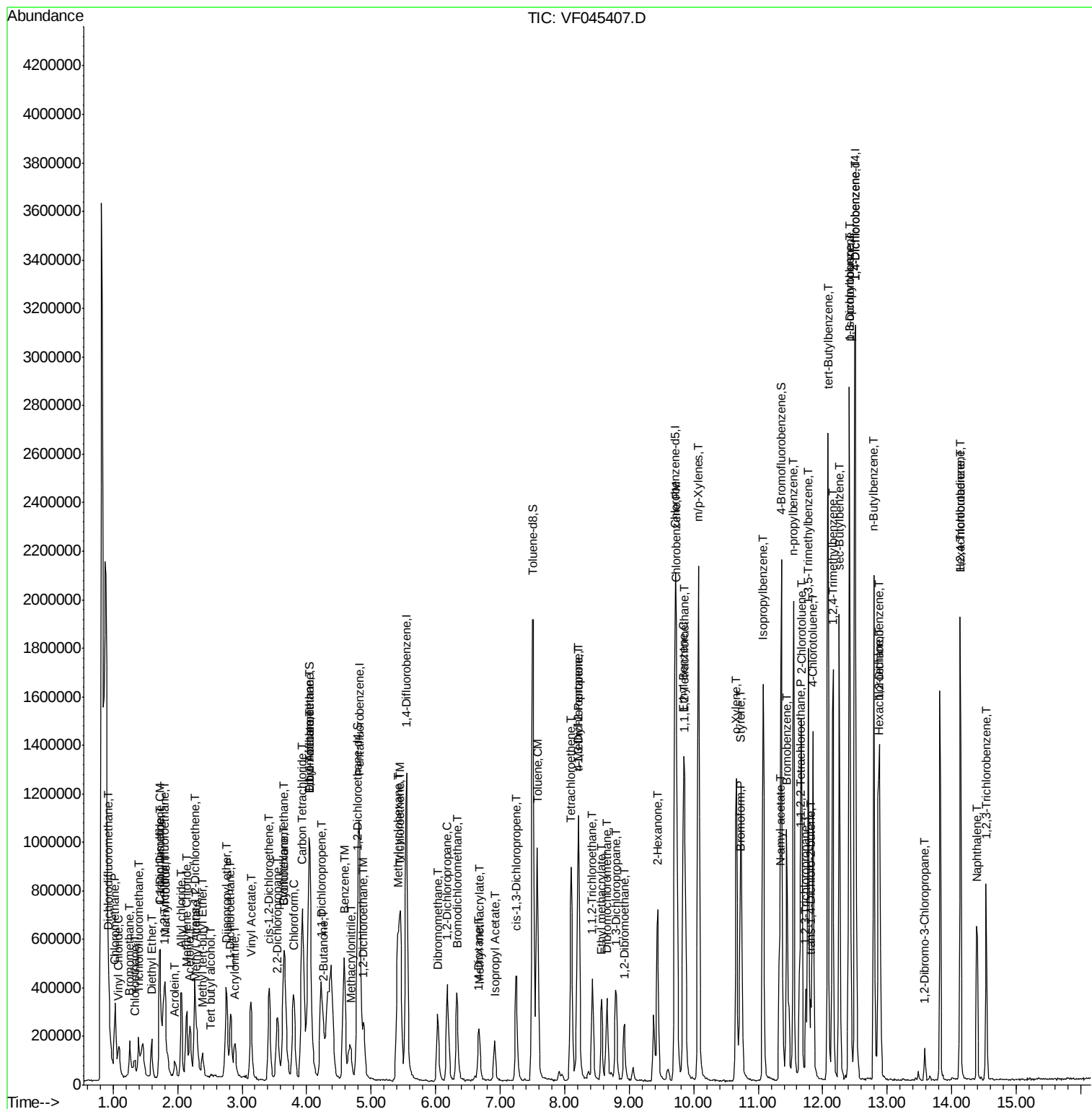
Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091715\
 Data File : VF045407.D
 Acq On : 17 Sep 2015 15:33
 Operator : FY/SY
 Sample : VF0917SBS01
 Misc : 5.00µL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

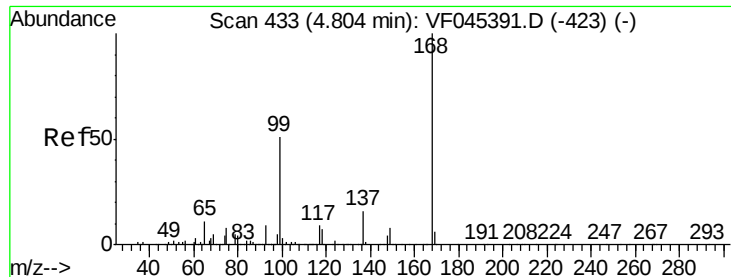
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0917SBS01

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#1

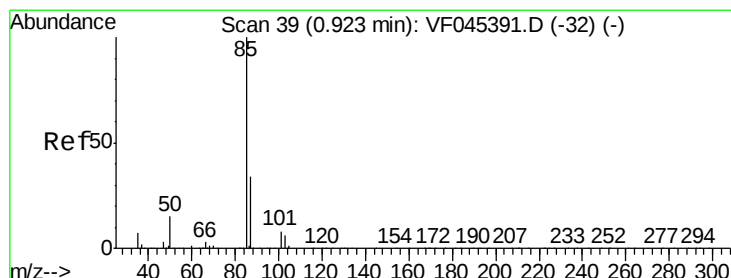
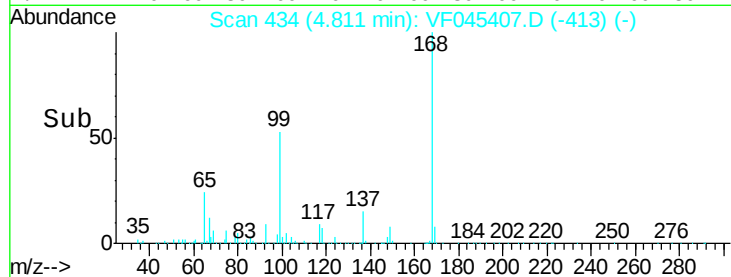
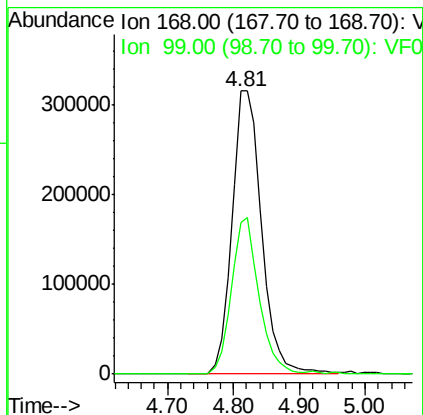
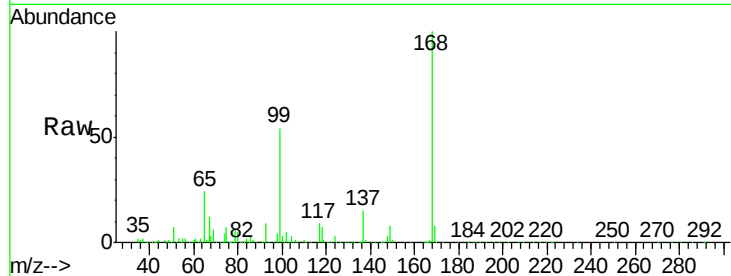
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.81 min Scan# 434
 Delta R.T. 0.01 min
 Lab File: VF045407.D
 Acq: 17 Sep 2015 15:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0917SBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	53.6	39.0	58.4

Manual Integrations
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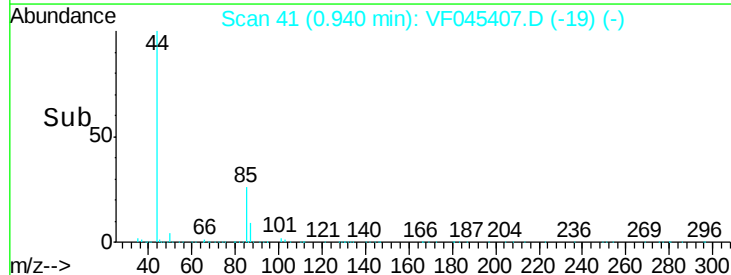
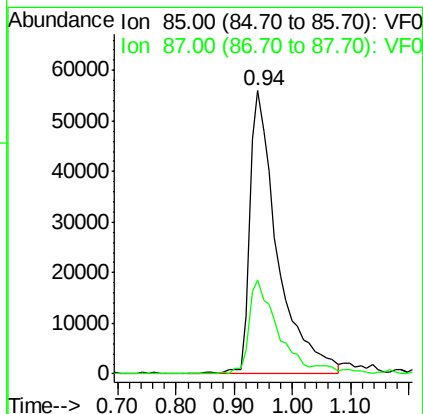
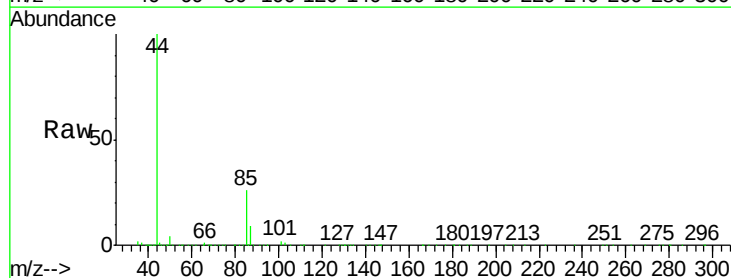
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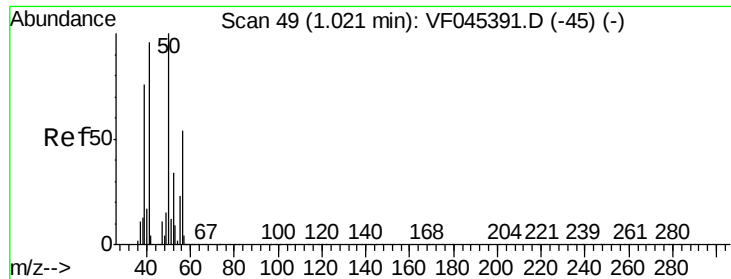


#2

Dichlorodifluoromethane
 Concen: 21.98 ug/l
 RT: 0.94 min Scan# 41
 Delta R.T. 0.02 min
 Lab File: VF045407.D
 Acq: 17 Sep 2015 15:33

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.3	15.6	46.7





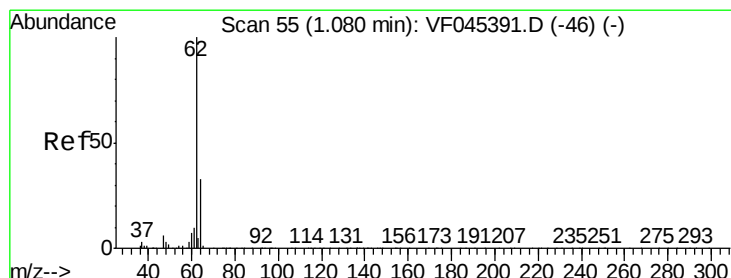
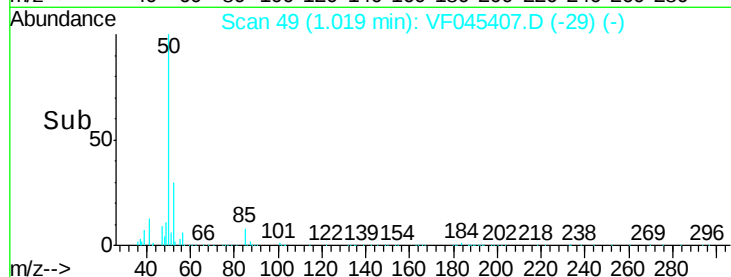
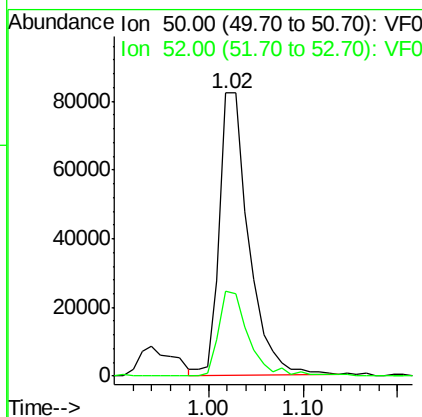
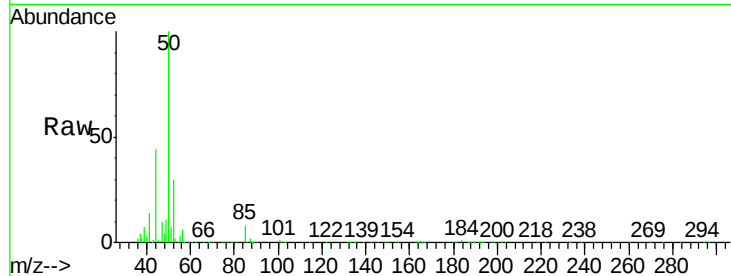
#3
Chloromethane
Concen: 24.13 ug/l
RT: 1.02 min Scan# 49
Delta R.T. -0.00 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Instrument :
MSVOA_F
ClientSampleId :
VF0917SBS01

Tot Ion	Ratio	Lower	Upper
50	100		
52	29.8	23.8	35.8

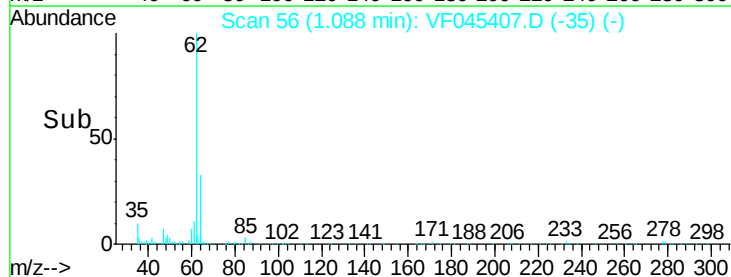
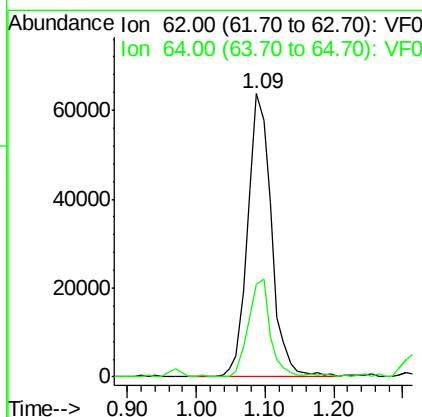
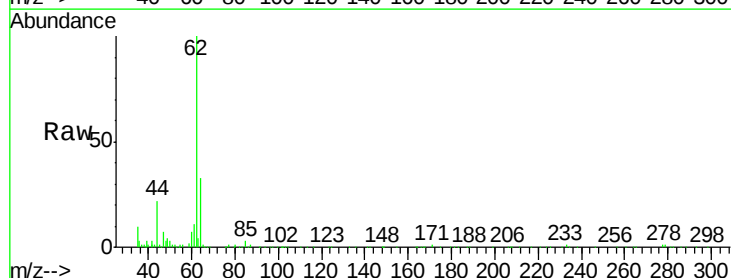
Manual Integrations
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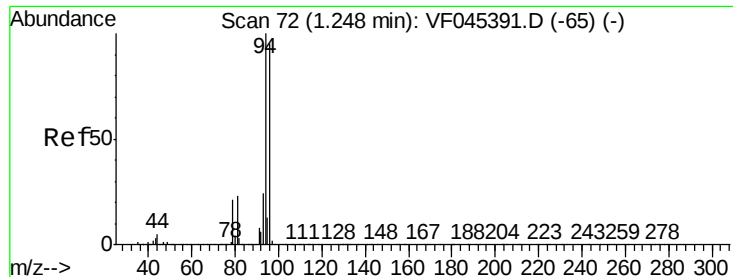
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#4
Vinyl Chloride
Concen: 24.58 ug/l
RT: 1.09 min Scan# 56
Delta R.T. 0.01 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.9	26.6	39.8





#5

Bromomethane

Concen: 20.67 ug/l

RT: 1.26 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF0917SBS01

Tot Ion: 94 Resp: 79952

Ion Ratio Lower Upper

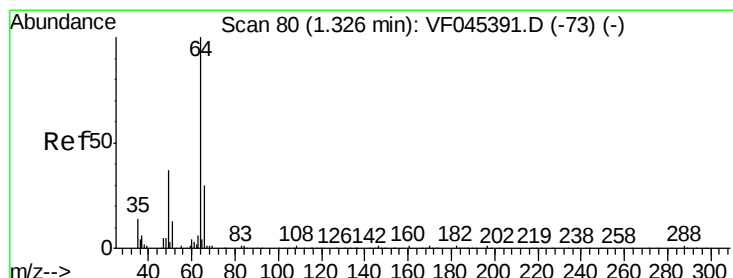
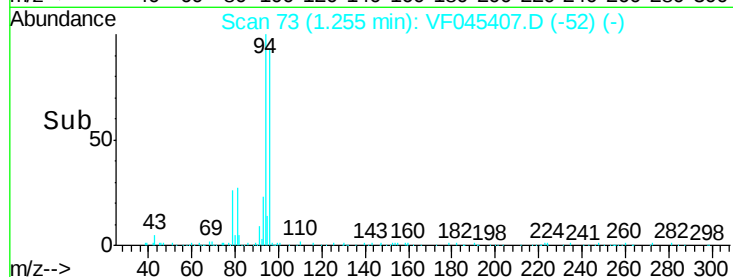
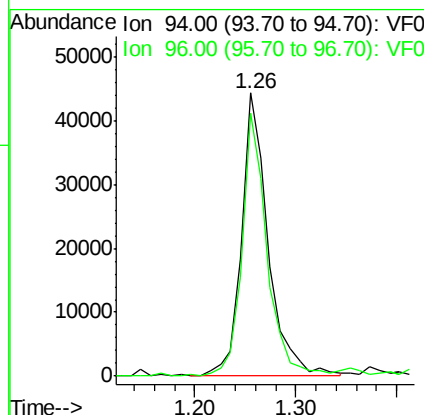
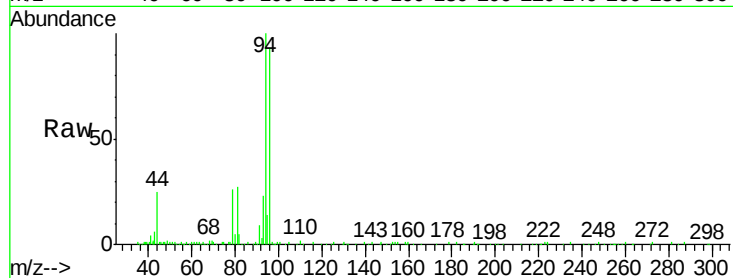
94 100

96 92.9 75.0 112.4

Manual Integrations
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#6

Chloroethane

Concen: 21.16 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.02 min

Lab File: VF045407.D

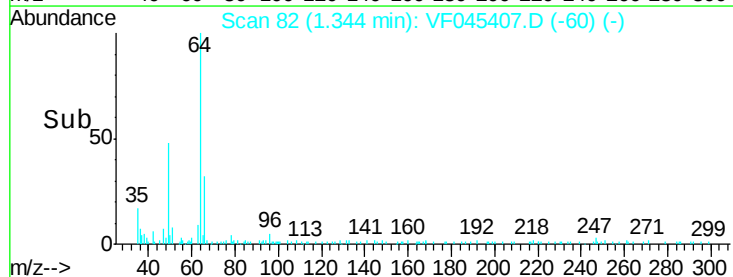
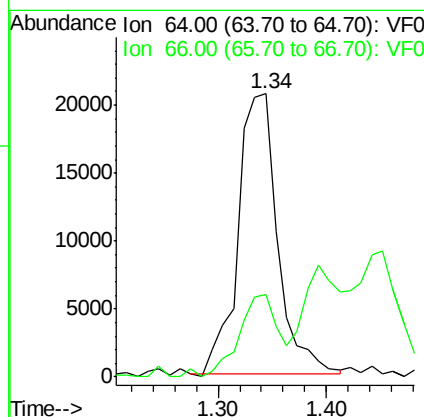
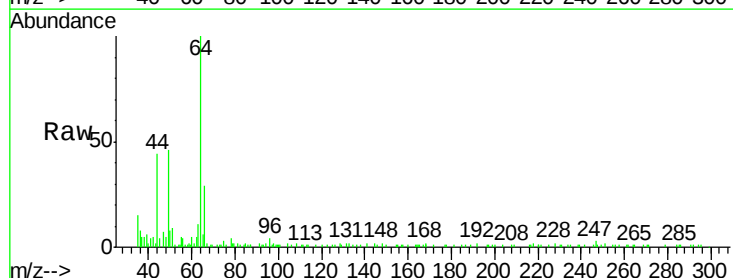
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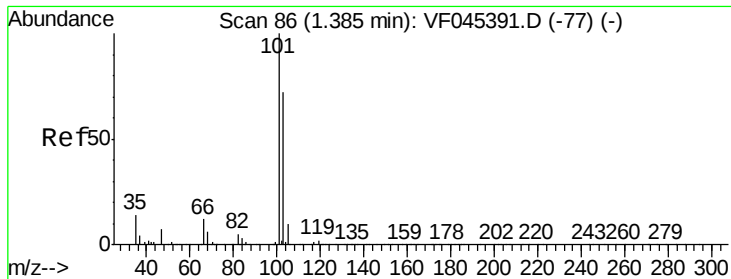
Tgt Ion: 64 Resp: 52528

Ion Ratio Lower Upper

64 100

66 28.9 27.3 40.9





#7

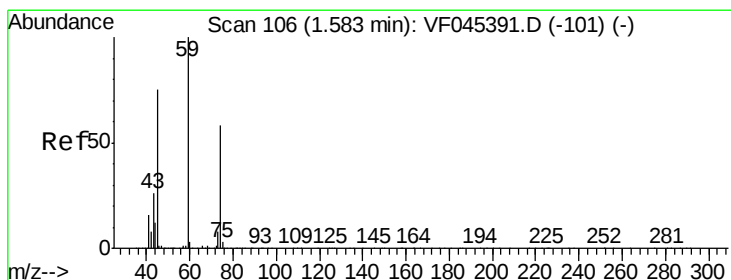
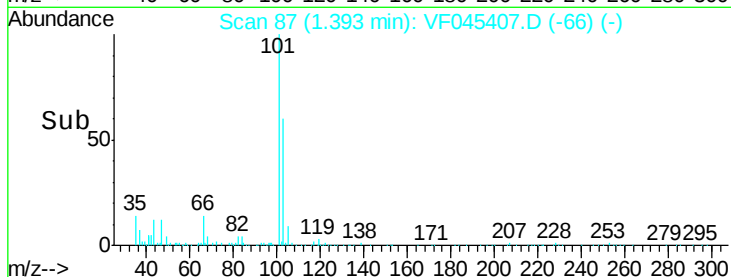
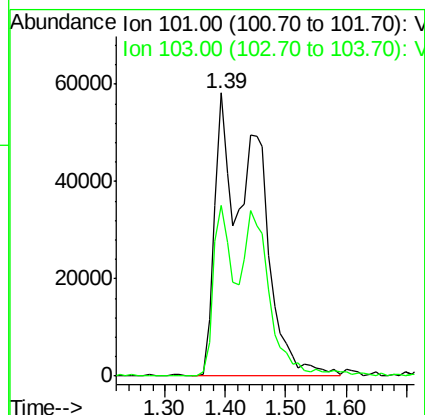
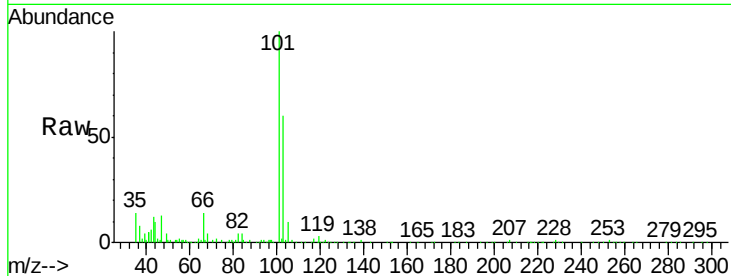
Trichlorofluoromethane
Concen: 21.50 ug/l m
RT: 1.39 min Scan# 87
Delta R.T. 0.01 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Instrument :
MSVOA_F
ClientSampleId :
VF0917SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.4	50.8	76.2

Manual Integrations
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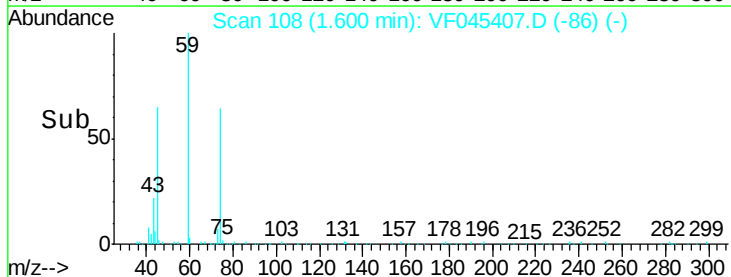
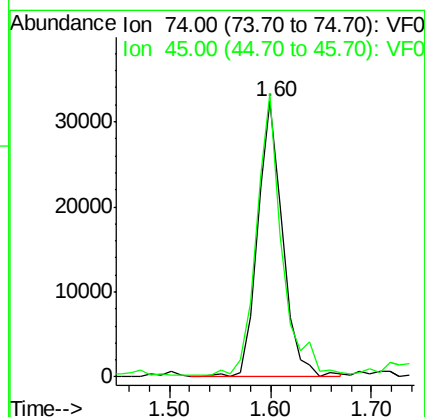
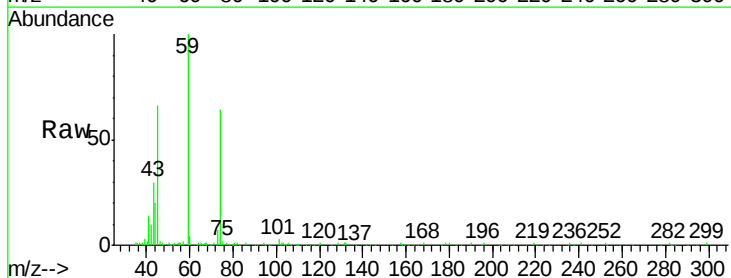
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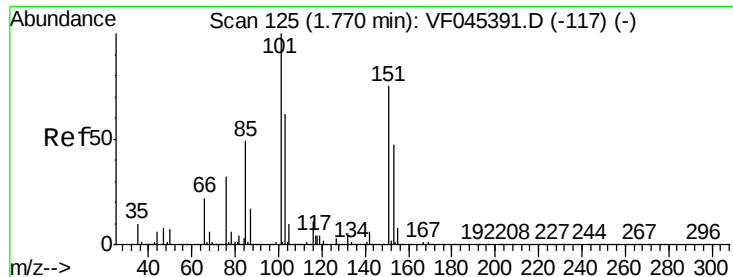


#8

Diethyl Ether
Concen: 20.57 ug/l
RT: 1.60 min Scan# 108
Delta R.T. 0.02 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.7	60.9	182.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.54 ug/l

RT: 1.79 min Scan# 127

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

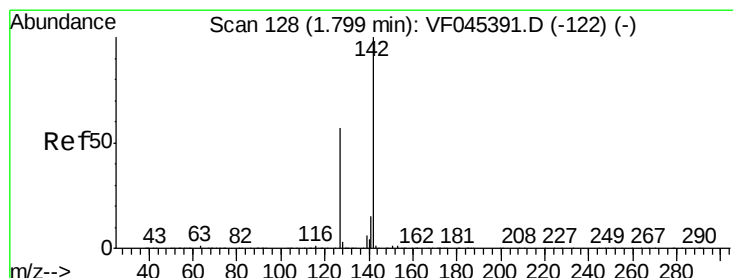
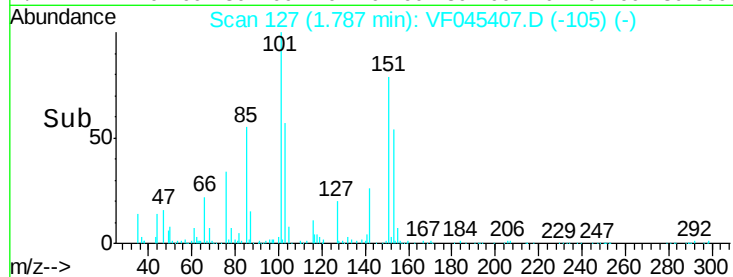
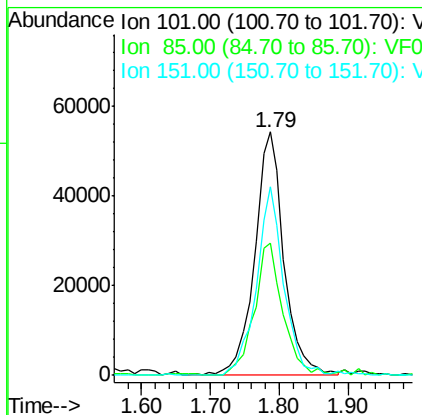
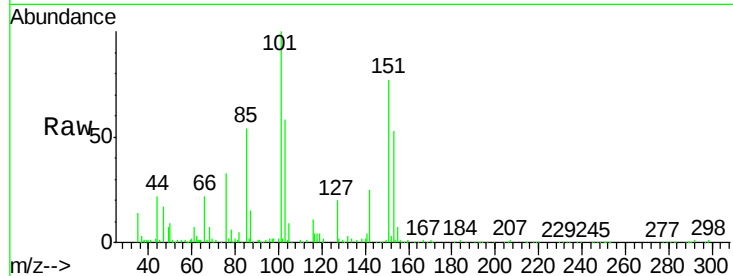
ClientSampleId :

VF0917SBS01

Tot Ion:	101	Resp:	158438
Ion Ratio	Lower	Upper	
101	100		
85	54.4	40.0	60.0
151	77.3	62.8	94.2

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#10

Methyl Iodide

Concen: 21.28 ug/l

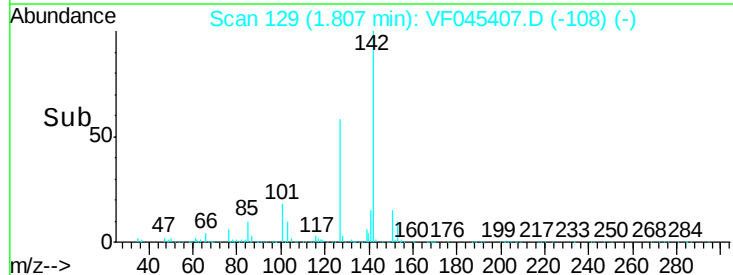
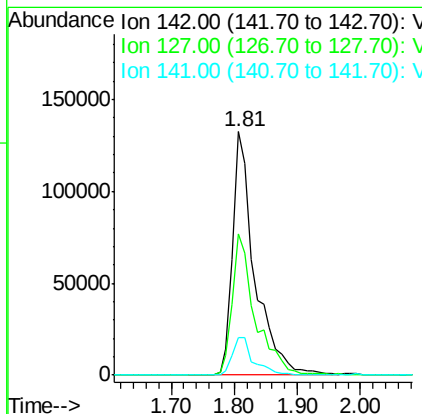
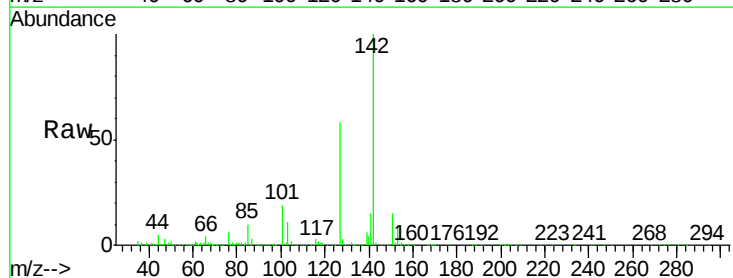
RT: 1.81 min Scan# 129

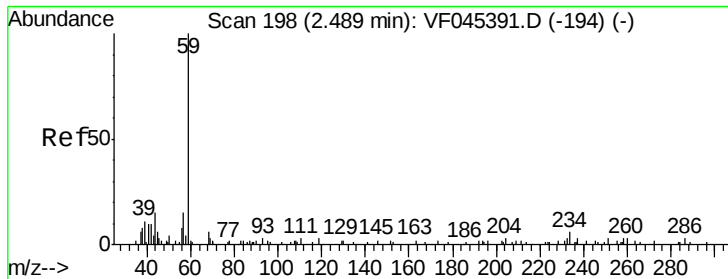
Delta R.T. 0.01 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Tgt Ion:	142	Resp:	320067
Ion Ratio	Lower	Upper	
142	100		
127	57.9	43.3	64.9
141	15.4	12.1	18.1





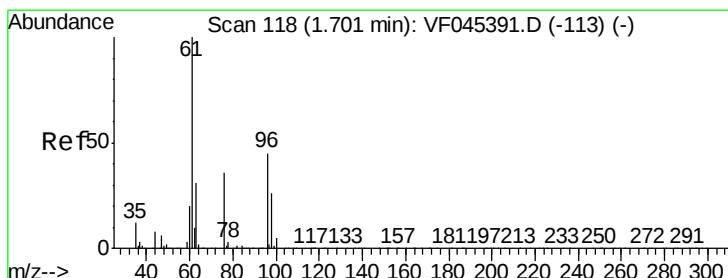
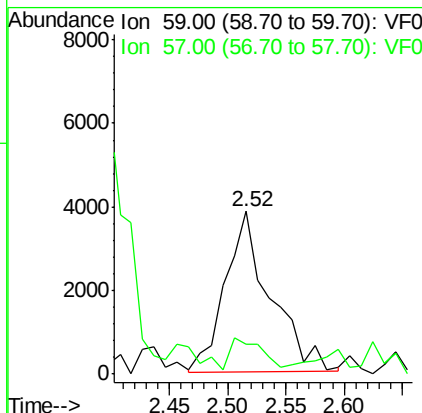
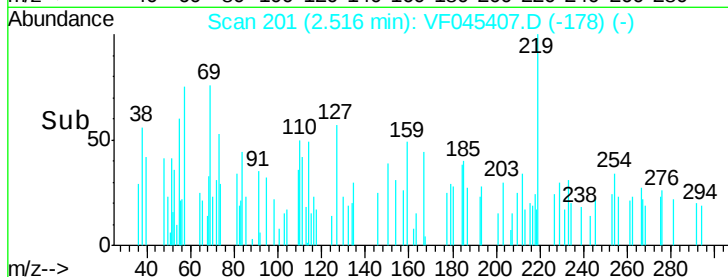
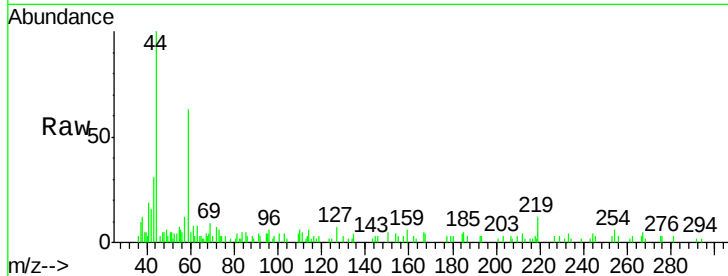
#11
Tert butyl alcohol
Concen: 86.13 ug/l
RT: 2.52 min Scan# 201
Delta R.T. 0.03 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Instrument :
MSVOA_F
ClientSampleId :
VF0917SBS01

Tot Ion: 59 Resp: 10360
Ion Ratio Lower Upper
59 100
57 18.7 8.6 13.0#

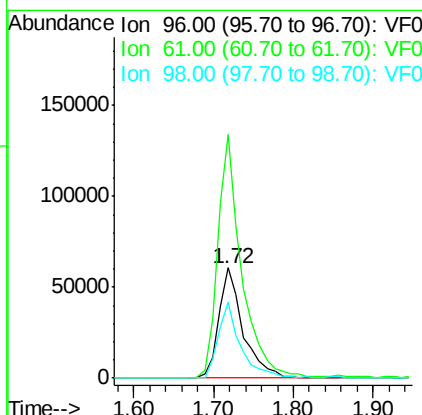
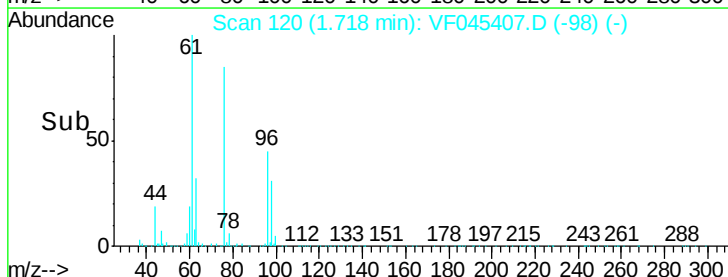
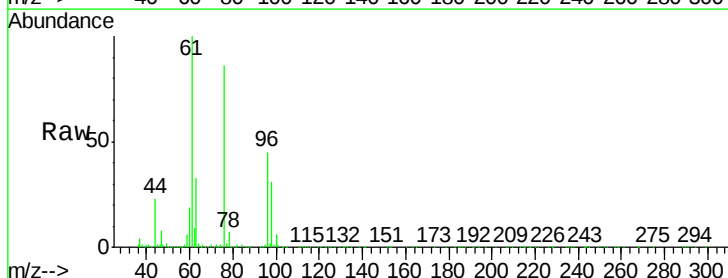
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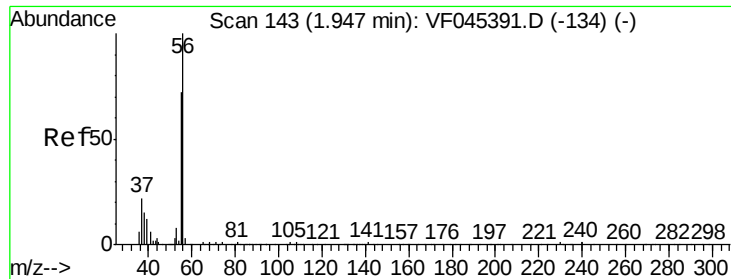
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#12
1,1-Dichloroethene
Concen: 21.51 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.02 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Tgt Ion: 96 Resp: 131430
Ion Ratio Lower Upper
96 100
61 220.8 165.8 248.8
98 69.1 51.2 76.8





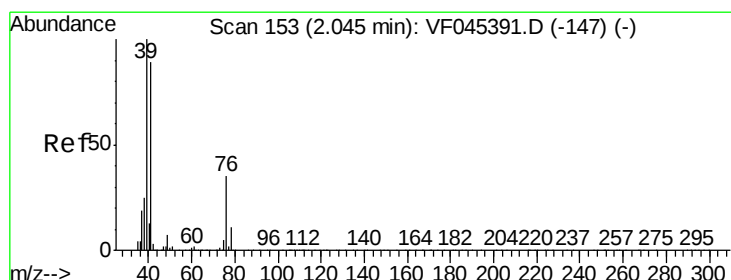
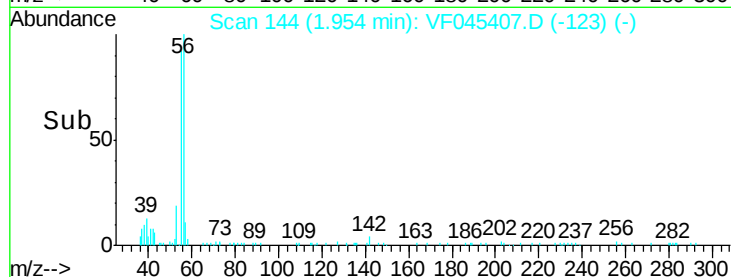
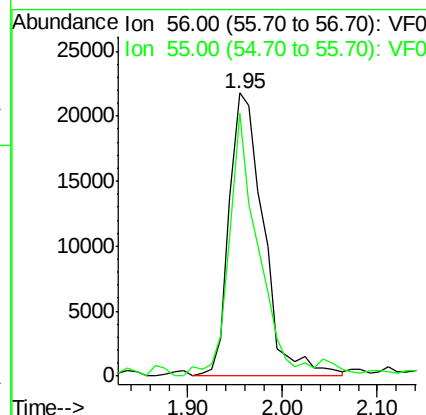
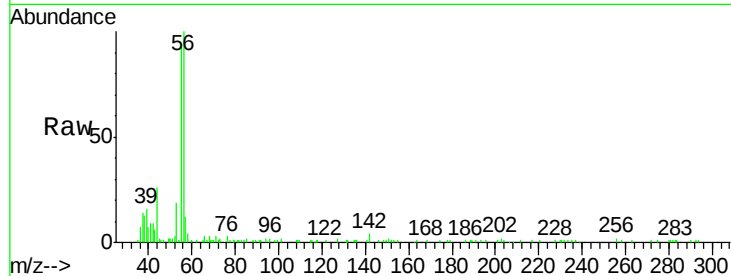
#13
Acrolein
Concen: 109.85 ug/l
RT: 1.95 min Scan# 144
Delta R.T. 0.01 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Instrument :
MSVOA_F
ClientSampleId :
VF0917SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	92.7	60.5	90.7#

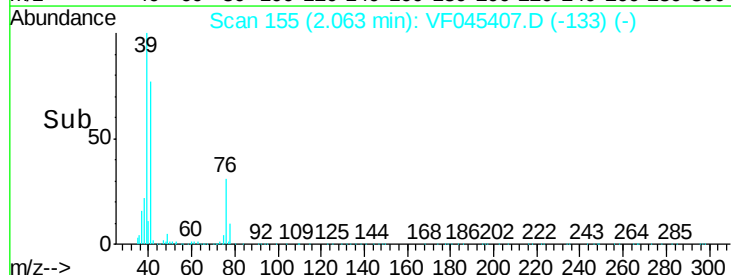
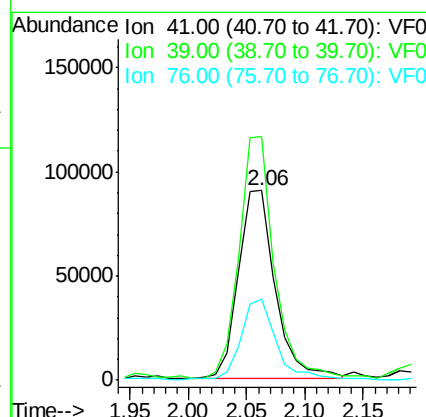
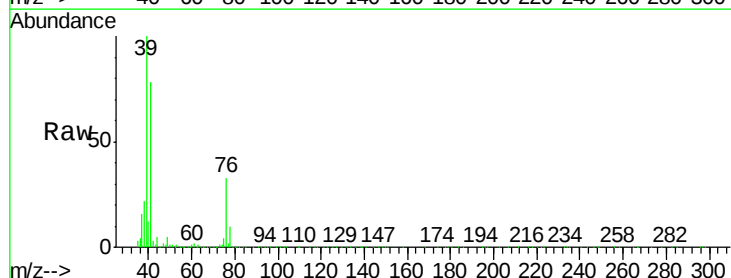
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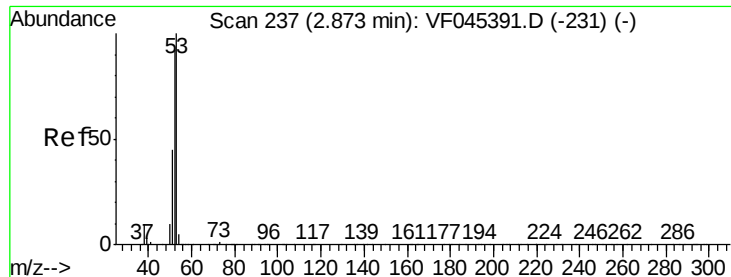
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#14
Allyl chloride
Concen: 20.96 ug/l
RT: 2.06 min Scan# 155
Delta R.T. 0.02 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Tgt Ion	Ratio	Lower	Upper
41	100		
39	128.3	92.8	139.2
76	43.0	27.7	41.5#





#15

Acrylonitrile

Concen: 104.31 ug/l

RT: 2.89 min Scan# 239

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

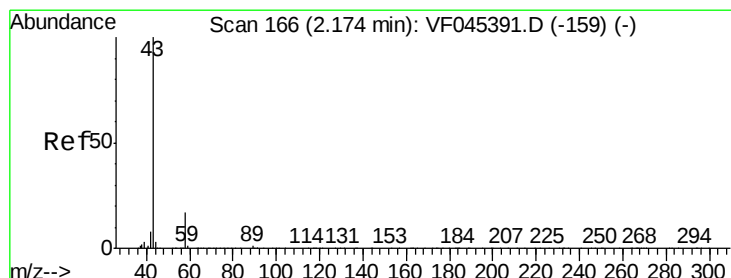
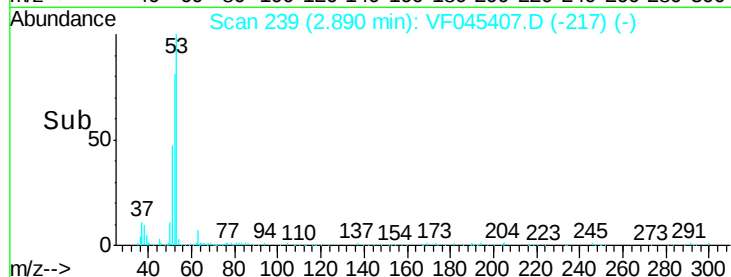
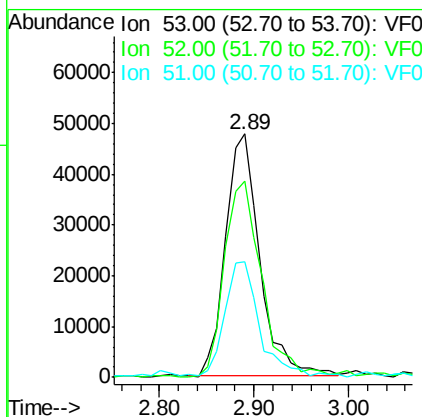
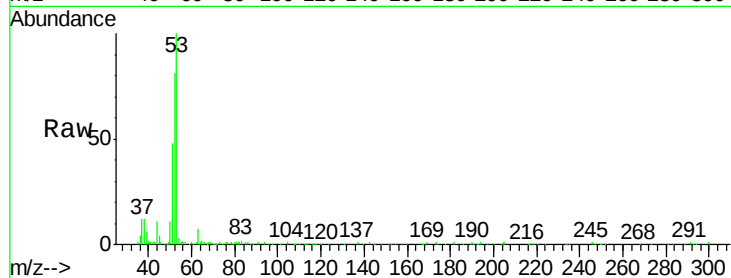
ClientSampleId :

VF0917SBS01

Tot Ion:	53	Resp:	119914
Ion Ratio	Lower	Upper	
53	100		
52	80.8	72.7	109.1
51	47.6	42.2	63.2

Manual Integrations
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#16

Acetone

Concen: 116.55 ug/l

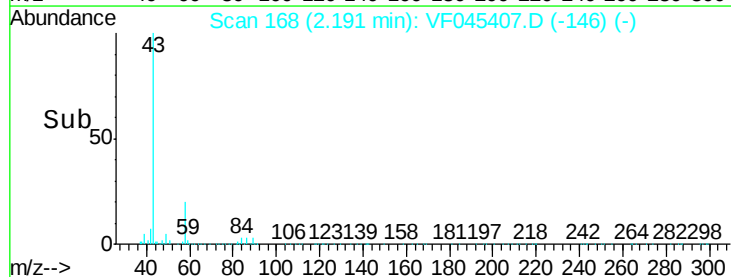
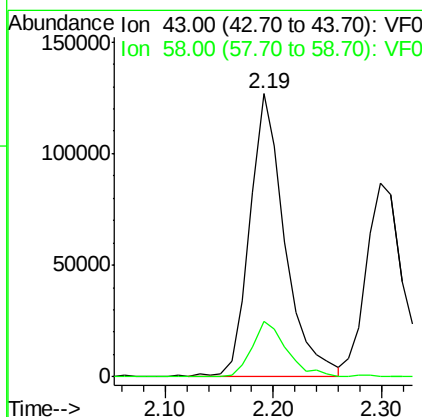
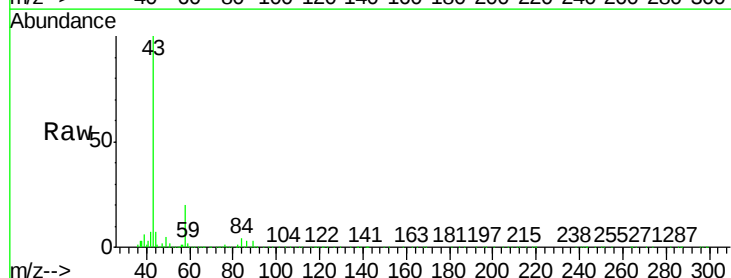
RT: 2.19 min Scan# 168

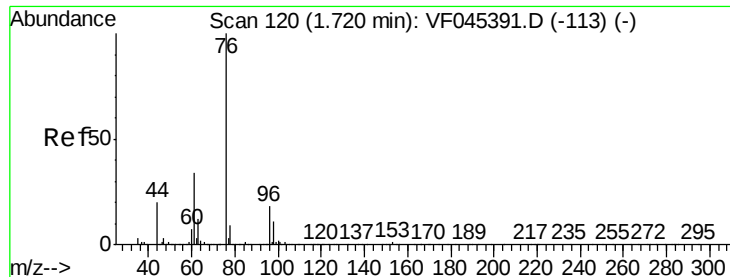
Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Tgt Ion:	43	Resp:	283226
Ion Ratio	Lower	Upper	
43	100		
58	19.6	13.9	20.9





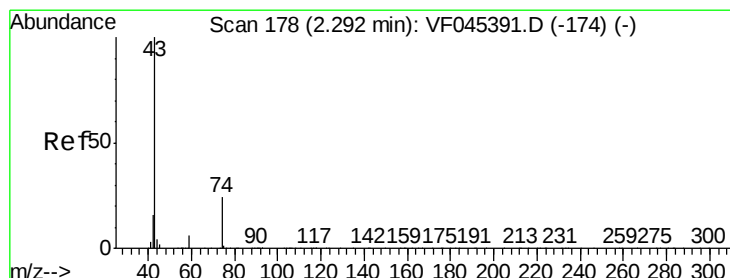
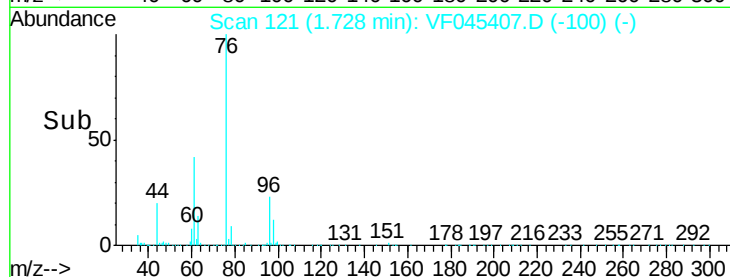
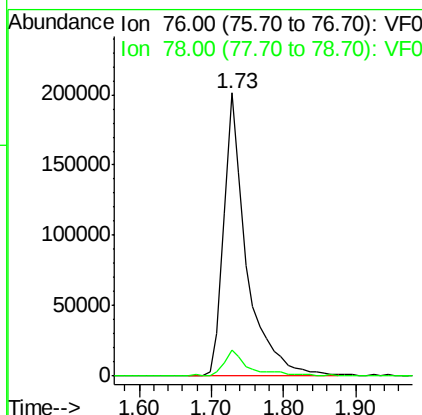
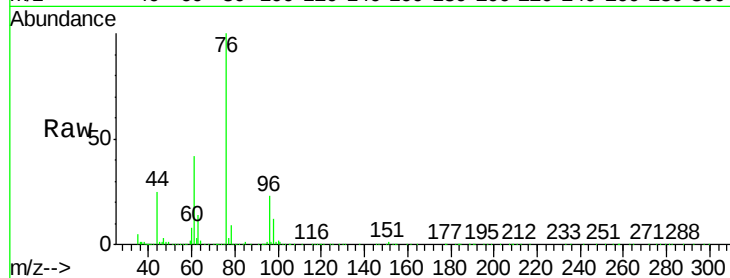
#17
Carbon Disulfide
Concen: 21.15 ug/l
RT: 1.73 min Scan# 121
Delta R.T. 0.01 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Instrument :
MSVOA_F
ClientSampleId :
VF0917SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.6	11.4

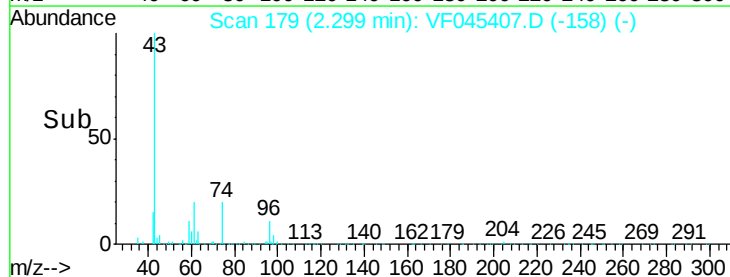
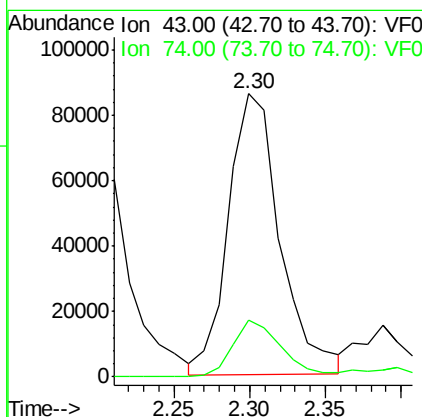
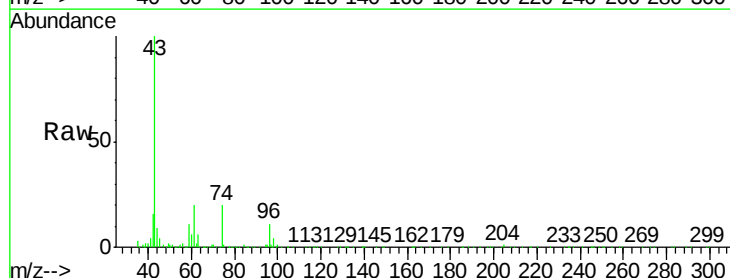
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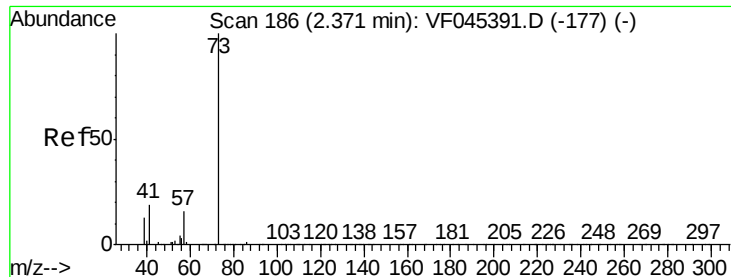
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#18
Methyl Acetate
Concen: 21.88 ug/l
RT: 2.30 min Scan# 179
Delta R.T. 0.01 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.9	15.1	22.7





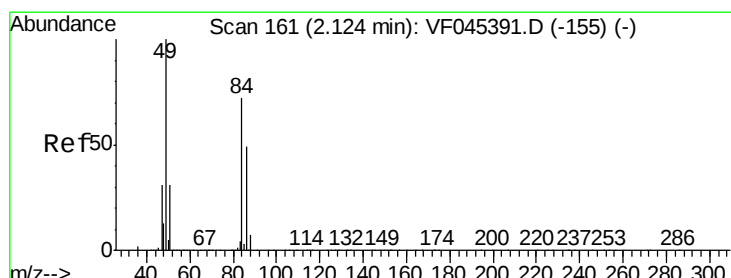
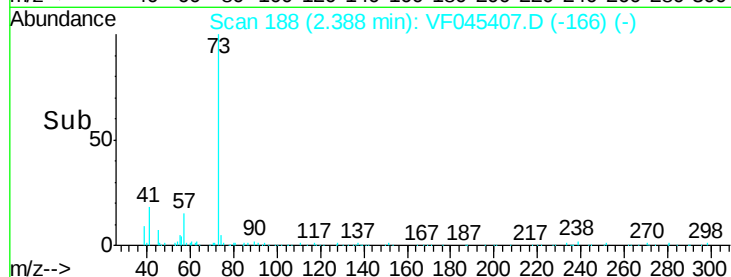
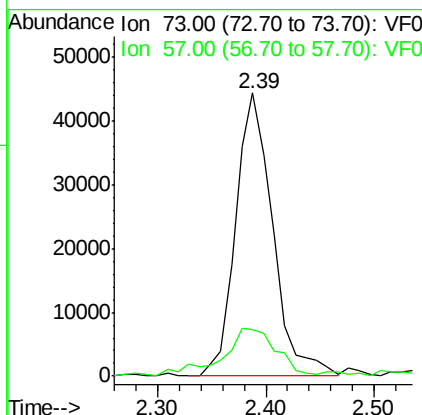
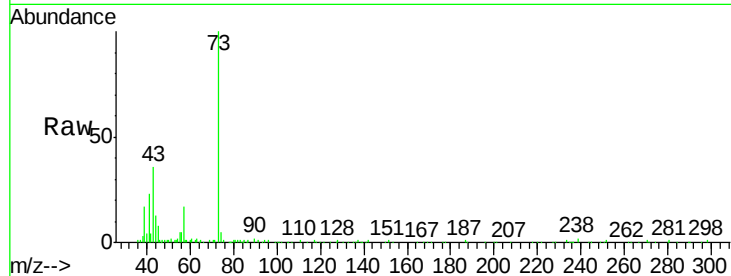
#19
Methvl tert-butvl Ether
Concen: 22.04 ug/l
RT: 2.39 min Scan# 188
Delta R.T. 0.02 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Instrument :
MSVOA_F
ClientSampleId :
VF0917SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.5	12.9	19.3

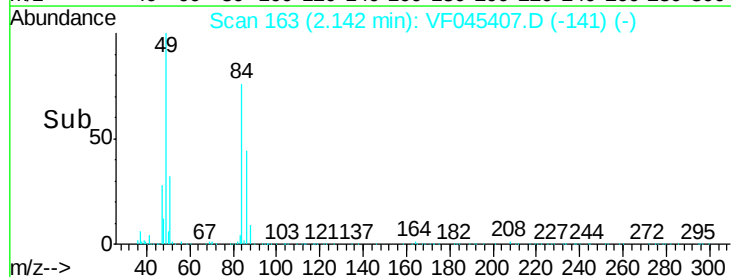
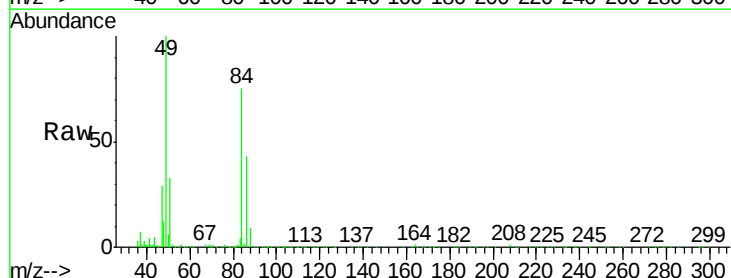
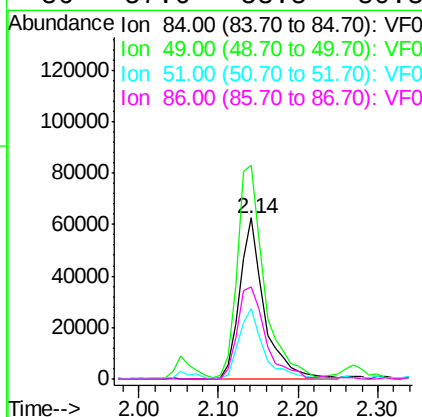
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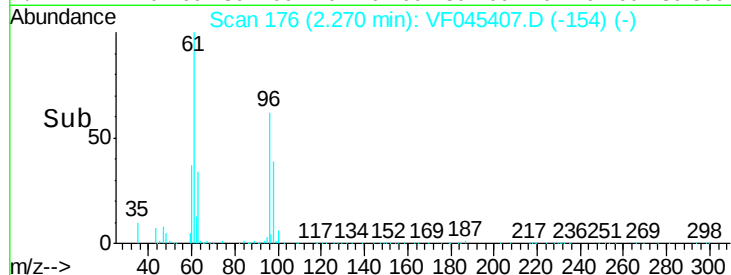
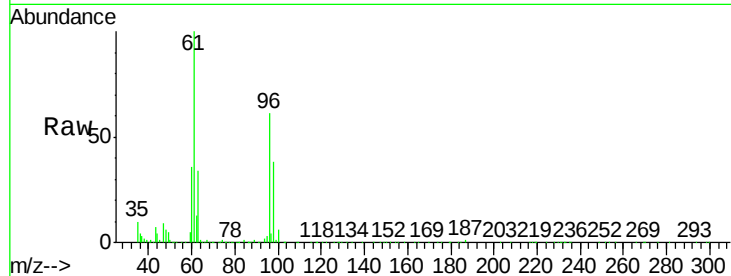
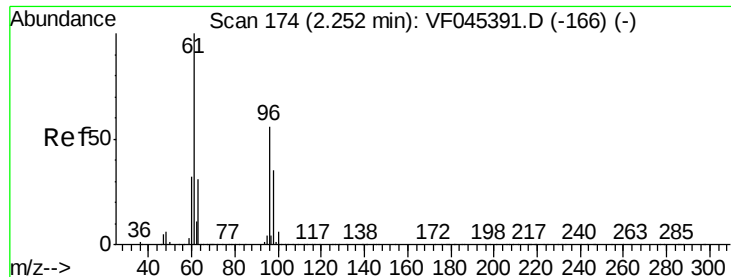
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#20
Methylene Chloride
Concen: 17.20 ug/l
RT: 2.14 min Scan# 163
Delta R.T. 0.02 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.5	122.8	184.2
51	43.4	35.4	53.2
86	57.6	53.5	80.3





#21

trans-1,2-Dichloroethene

Concen: 21.32 ug/l

RT: 2.27 min Scan# 176

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Tot Ion:	96	Resp:	146070
Ion Ratio	Lower	Upper	
96	100		
61	165.2	136.8	205.2
98	62.8	51.0	76.4

Instrument :

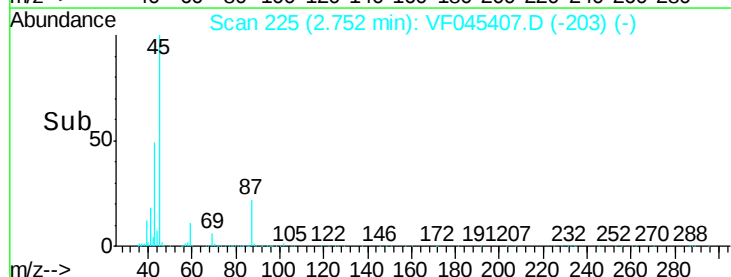
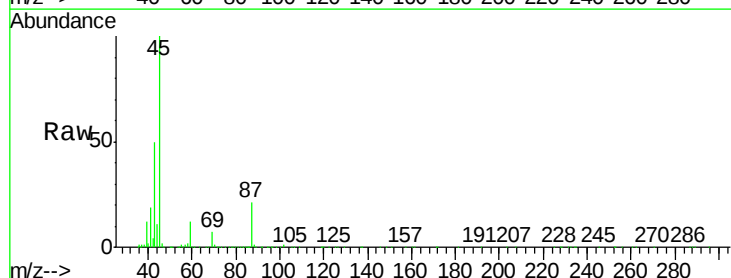
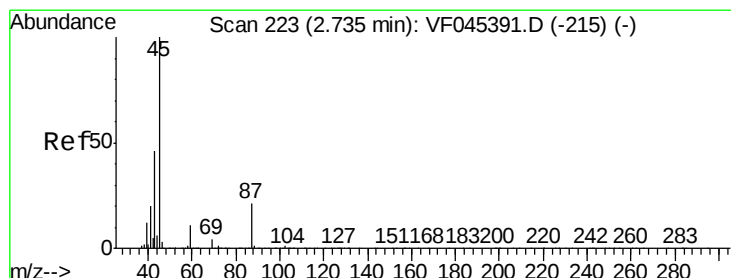
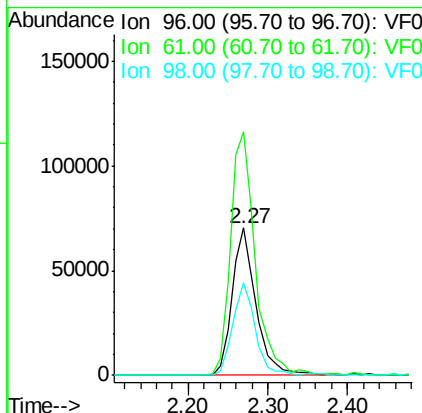
MSVOA_F

ClientSampleId :

VF0917SBS01

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#22

Diisopropyl ether

Concen: 20.99 ug/l

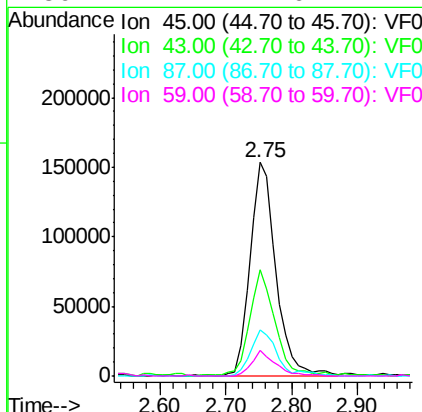
RT: 2.75 min Scan# 225

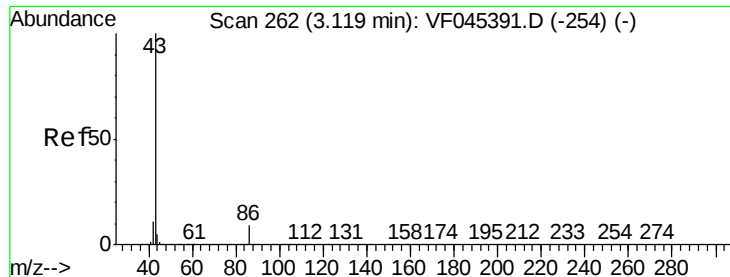
Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Tgt Ion:	45	Resp:	424155
Ion Ratio	Lower	Upper	
45	100		
43	49.9	42.2	63.4
87	21.5	16.6	25.0
59	11.7	7.6	11.4#





#23

Vinyl Acetate

Concen: 111.55 ug/l

RT: 3.14 min Scan# 264

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF0917SBS01

Tot Ion: 43 Resp: 658083

Ion Ratio Lower Upper

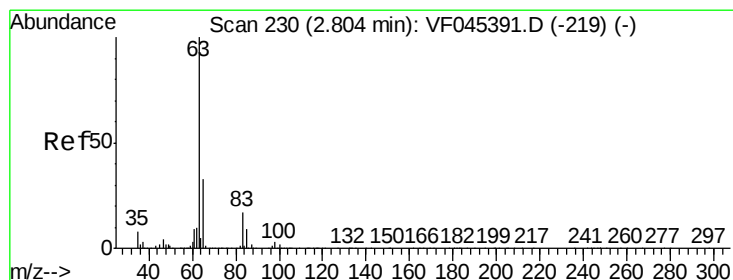
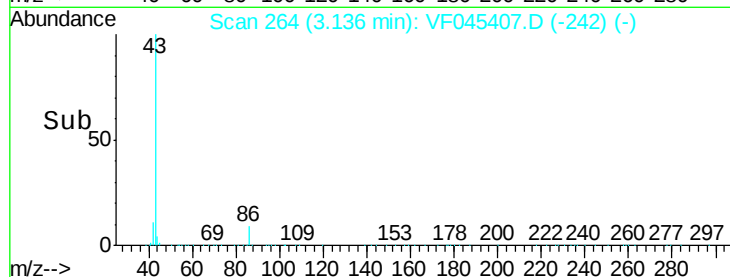
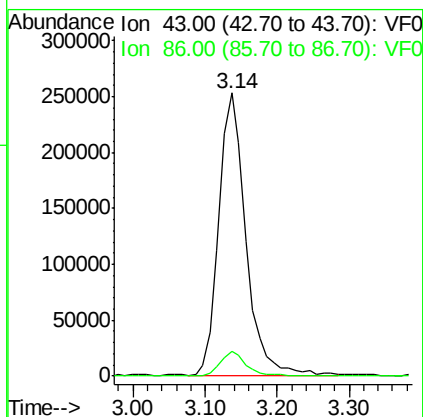
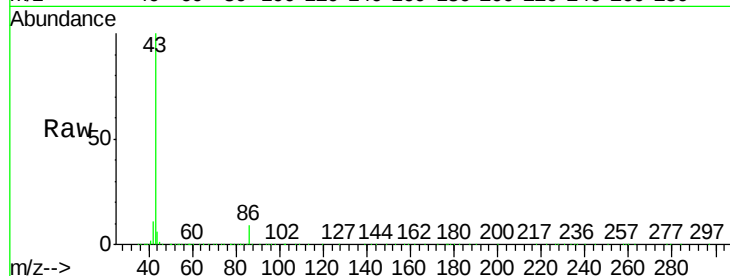
43 100

86 8.8 6.3 9.5

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#24

1,1-Dichloroethane

Concen: 21.17 ug/l

RT: 2.82 min Scan# 232

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

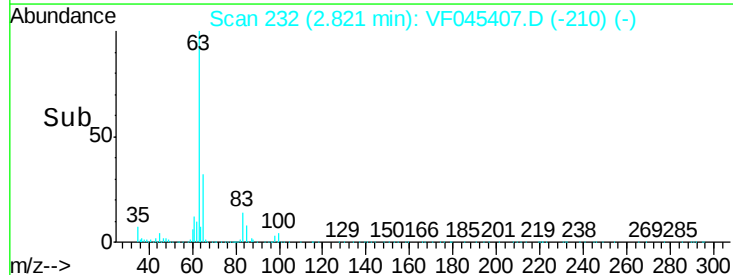
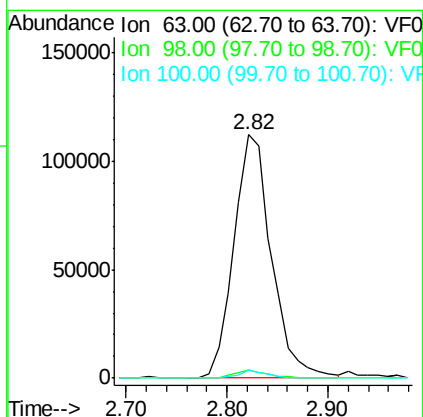
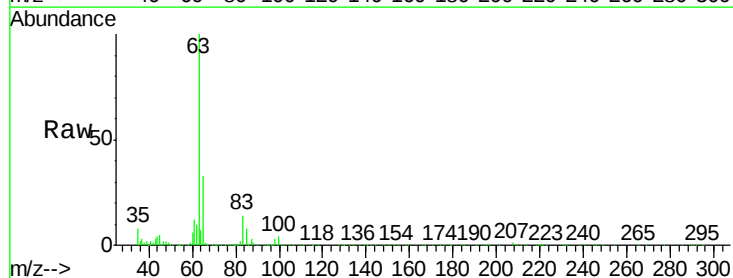
Tgt Ion: 63 Resp: 289618

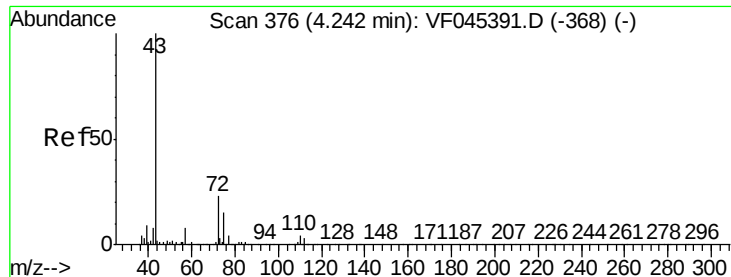
Ion Ratio Lower Upper

63 100

98 3.2 2.2 6.6

100 3.6 1.1 3.5#





#25

2-Butanone

Concen: 110.35 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.03 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF0917SBS01

Tot Ion: 43 Resp: 375140

Ion Ratio Lower Upper

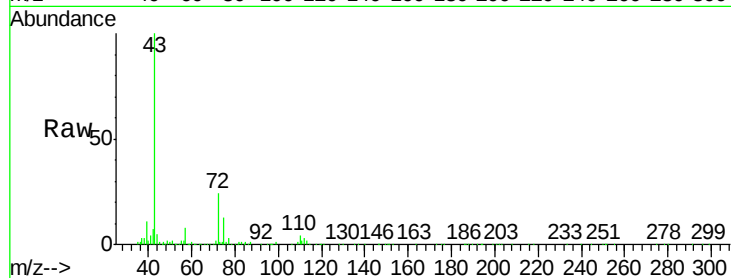
43 100

72 24.5 20.2 30.2

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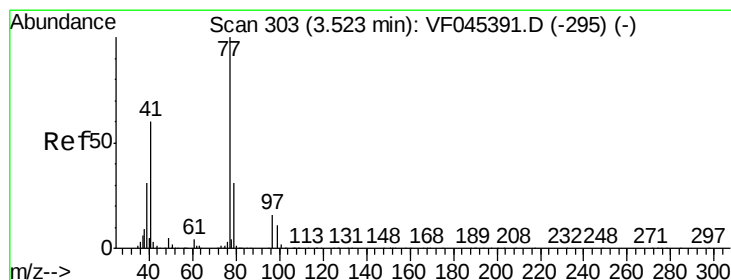
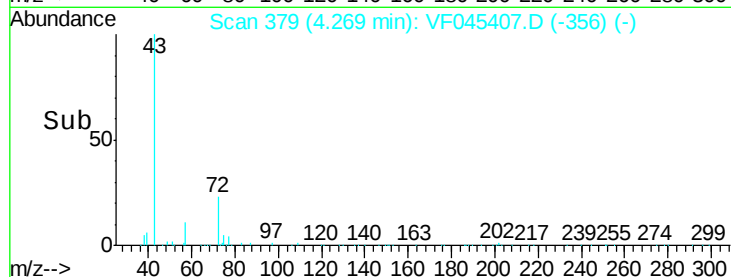
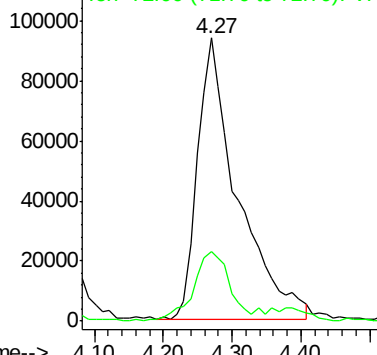
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 22.71 ug/l

RT: 3.55 min Scan# 306

Delta R.T. 0.03 min

Lab File: VF045407.D

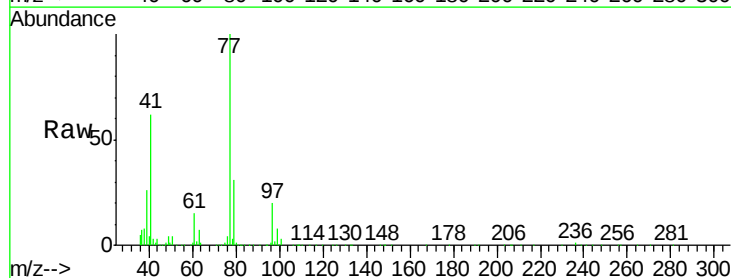
Acq: 17 Sep 2015 15:33

Tgt Ion: 77 Resp: 289366

Ion Ratio Lower Upper

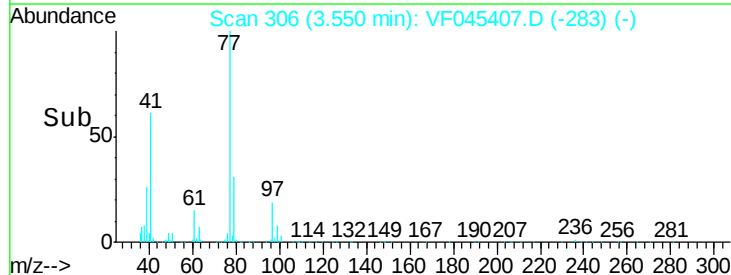
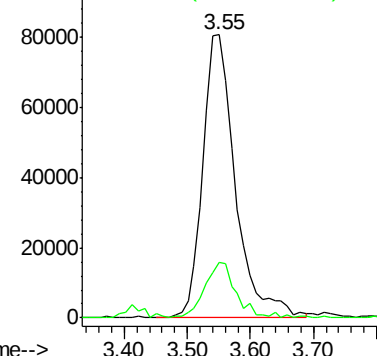
77 100

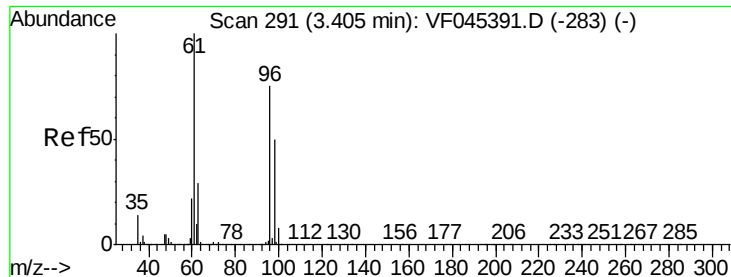
97 19.6 9.2 27.4



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

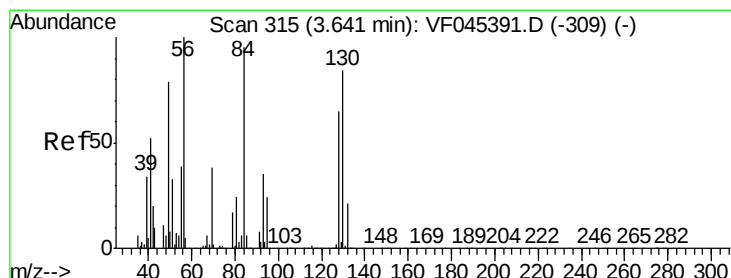
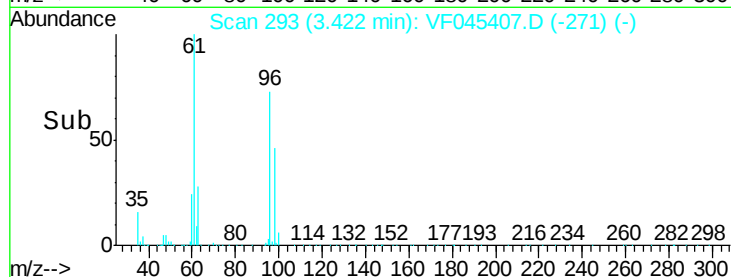
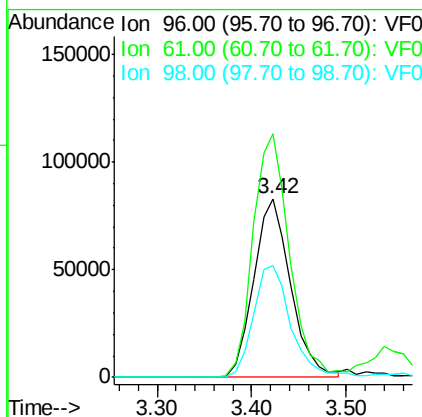
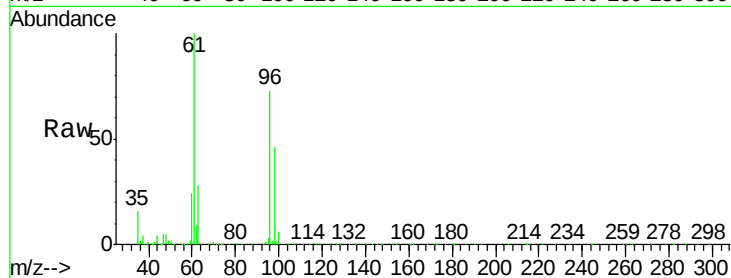
cis-1,2-Dichloroethene
Concen: 21.25 ug/l
RT: 3.42 min Scan# 293
Delta R.T. 0.02 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Instrument :
MSVOA_F
ClientSampleId :
VF0917SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	224789		
61	136.5	0.0	268.6	
98	62.4	0.0	135.8	

Manual Integrations
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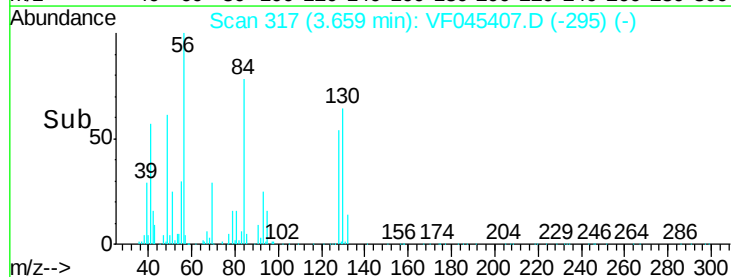
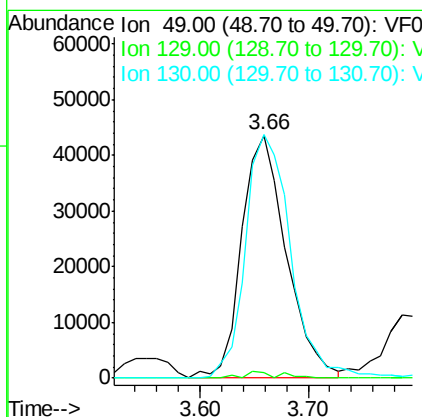
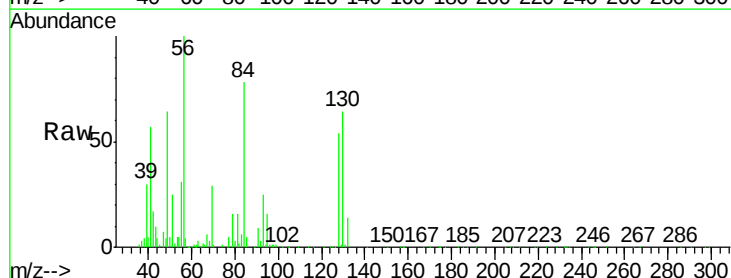
MMDadoda
9/18/2015 12:28:51 PM

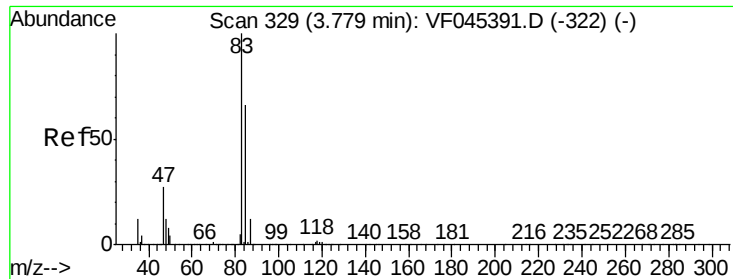


#28

Bromochloromethane
Concen: 23.41 ug/l
RT: 3.66 min Scan# 317
Delta R.T. 0.02 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	125754		
129	2.0	0.0	0.0#	
130	100.3	79.6	119.4	





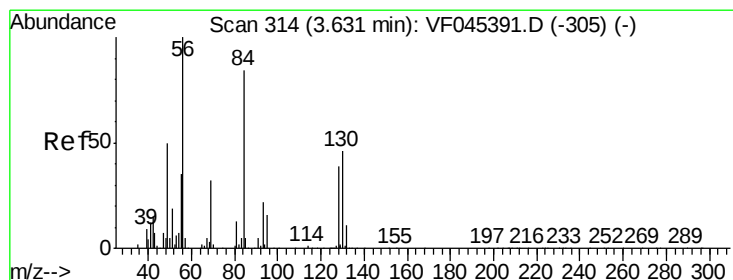
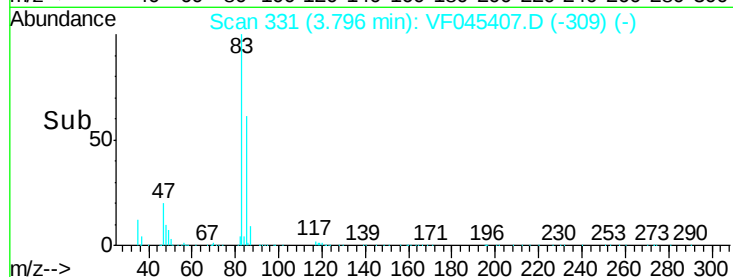
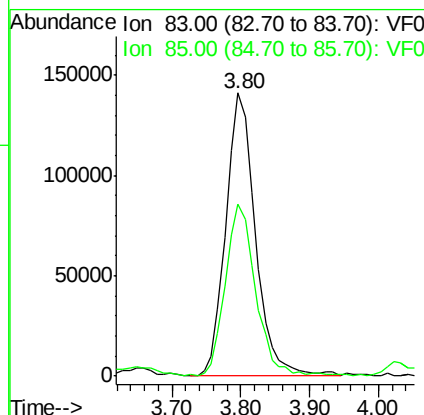
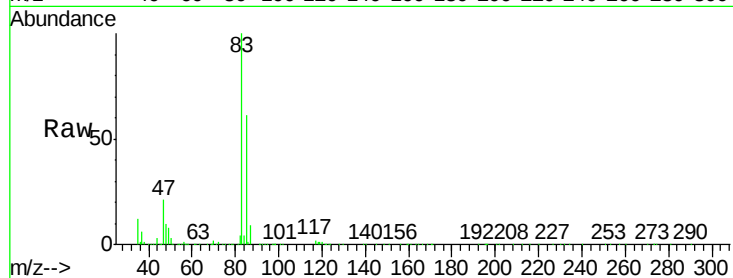
#29
Chloroform
Concen: 21.97 ug/l
RT: 3.80 min Scan# 331
Delta R.T. 0.02 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Instrument :
MSVOA_F
ClientSampleId :
VF0917SBS01

Tot Ion	83	Resp	422409
Ion Ratio	Lower	Upper	
83	100		
85	60.9	51.6	77.4

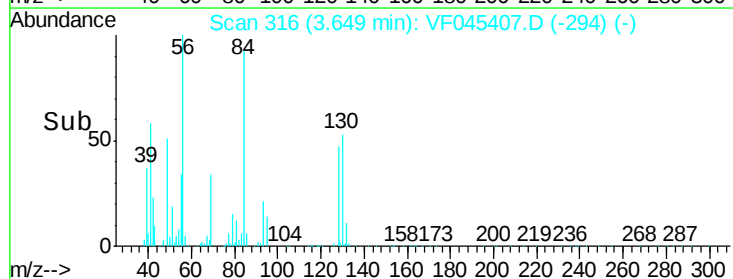
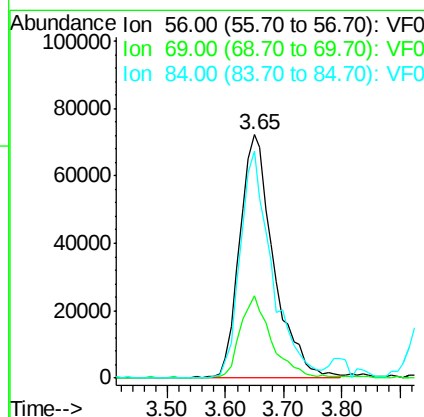
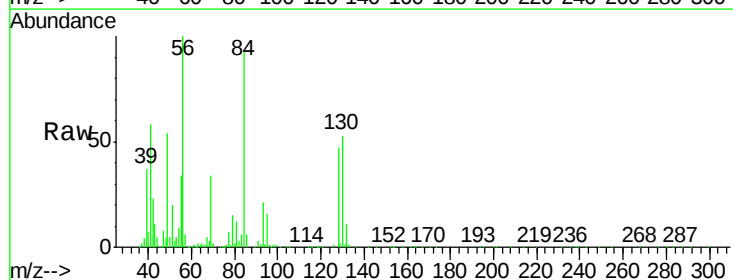
Manual Integrations
APPROVED

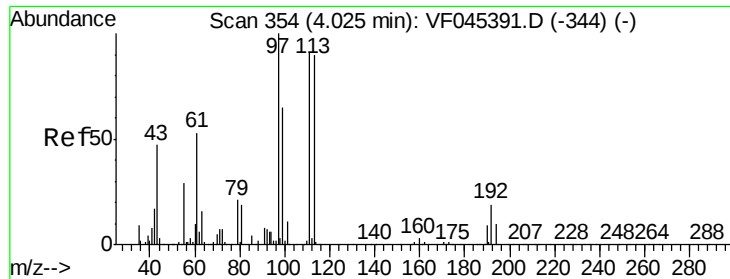
MMDadoda
9/18/2015 12:28:51 PM



#30
Cyclohexane
Concen: 23.89 ug/l
RT: 3.65 min Scan# 316
Delta R.T. 0.02 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Tgt Ion	56	Resp	294948
Ion Ratio	Lower	Upper	
56	100		
69	33.9	26.1	39.1
84	93.1	72.2	108.4





#31

1,1,1-Trichloroethane

Concen: 21.36 ug/l

RT: 4.04 min Scan# 356

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

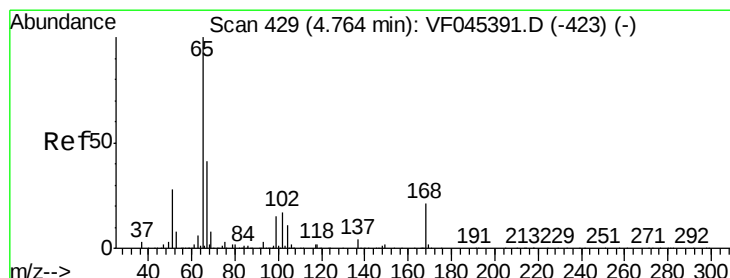
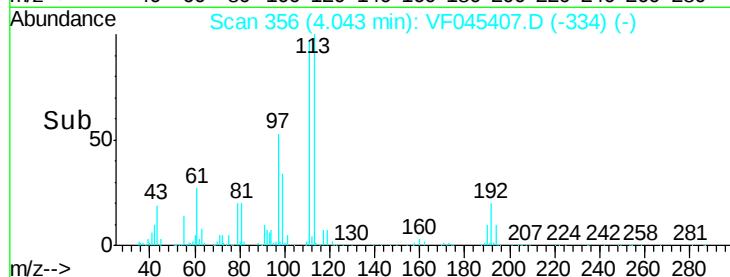
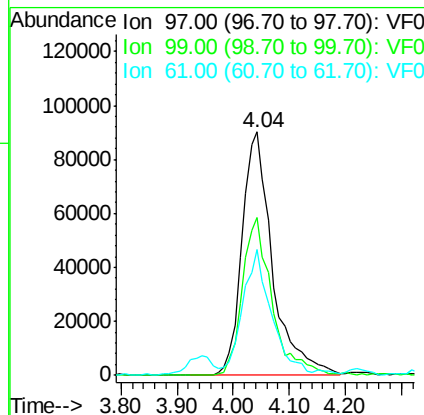
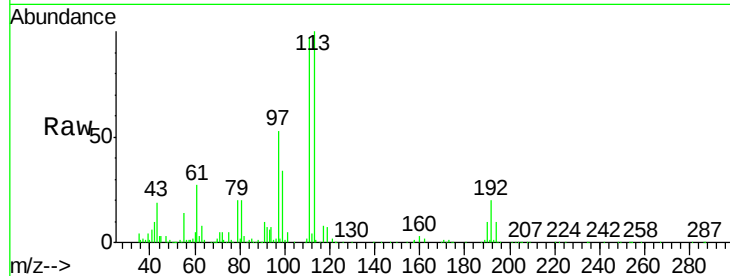
ClientSampleId :

VF0917SBS01

Tot Ion:	97	Resp:	340202
Ion Ratio	Lower	Upper	
97	100		
99	64.8	51.1	76.7
61	51.8	37.8	56.6

Manual Integrations
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#32

1,2-Dichloroethane-d4

Concen: 48.73 ug/l

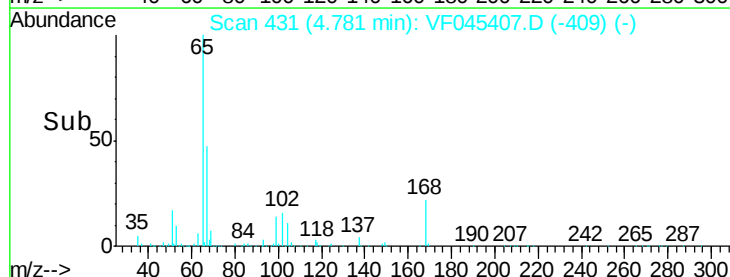
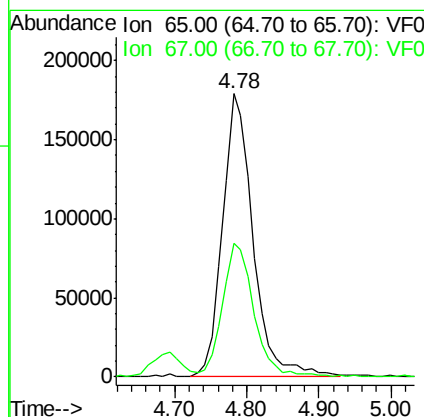
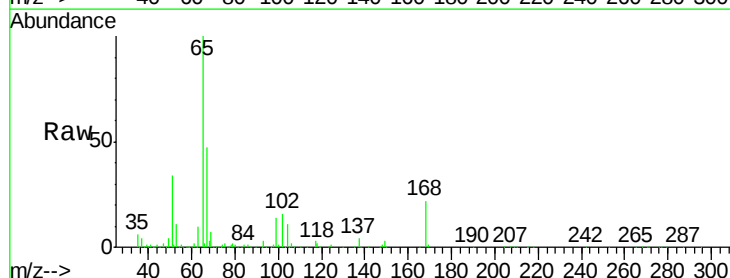
RT: 4.78 min Scan# 431

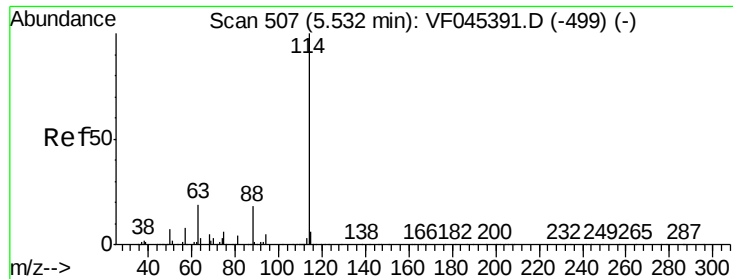
Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Tgt Ion:	65	Resp:	521663
Ion Ratio	Lower	Upper	
65	100		
67	47.4	0.0	102.2





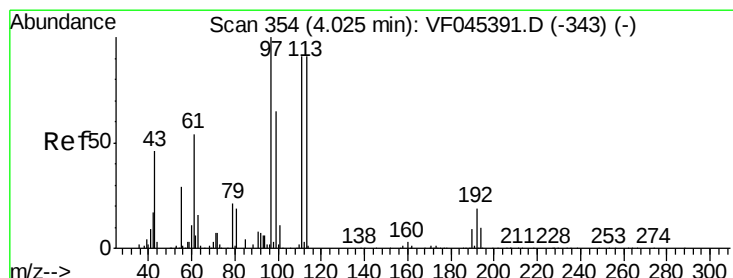
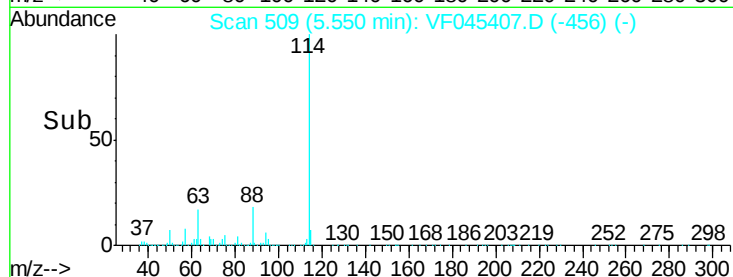
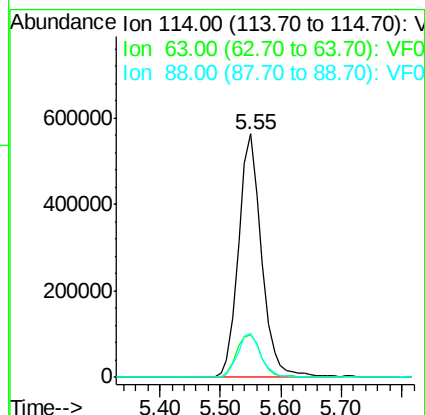
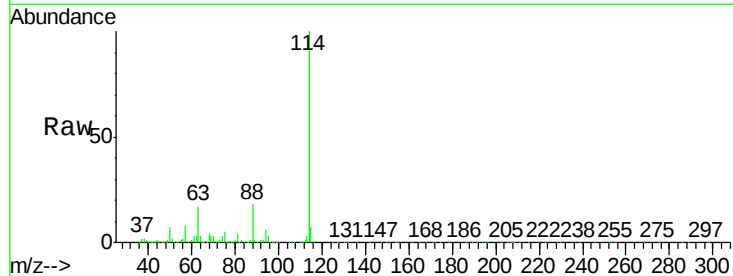
#33
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 5.55 min Scan# 509
Delta R.T. 0.02 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Instrument :
MSVOA_F
ClientSampleId :
VF0917SBS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	17.3	0.0	39.2
88	18.3	0.0	37.0

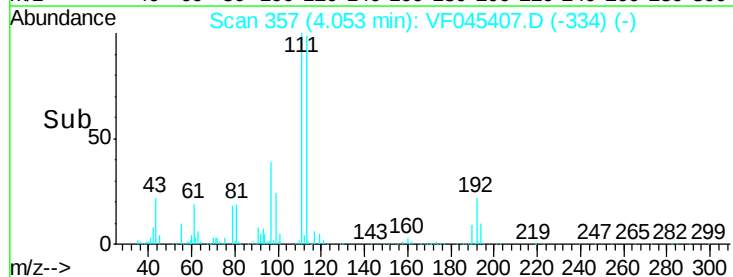
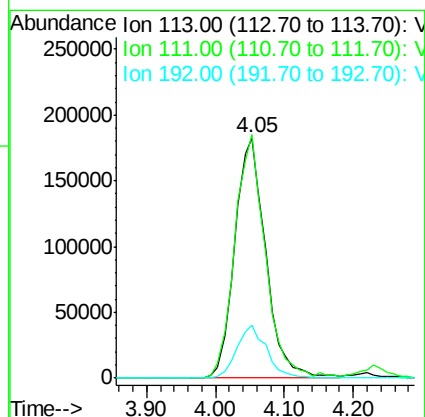
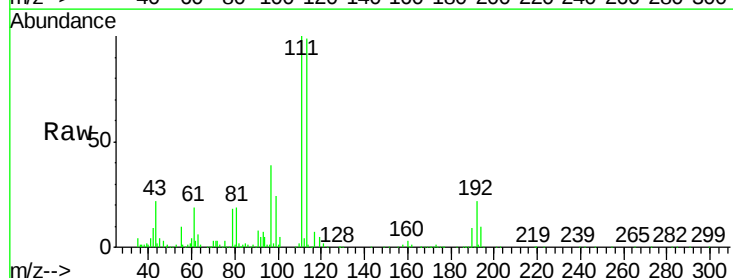
Manual Integrations
APPROVED

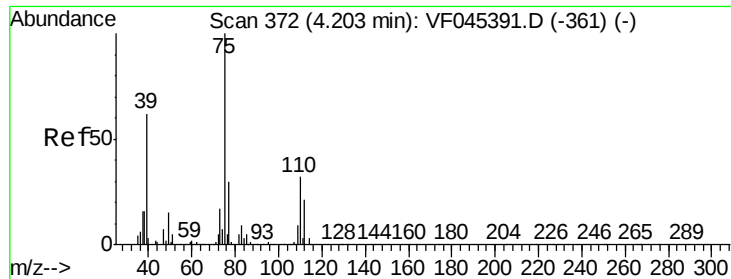
MMDadoda
9/18/2015 12:28:51 PM



#34
Dibromofluoromethane
Concen: 49.17 ug/l
RT: 4.05 min Scan# 357
Delta R.T. 0.03 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	75.5	113.3
192	22.0	15.6	23.4





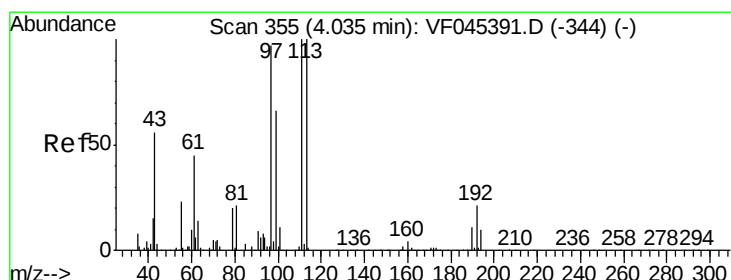
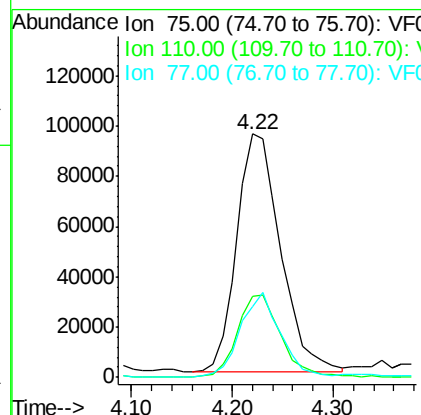
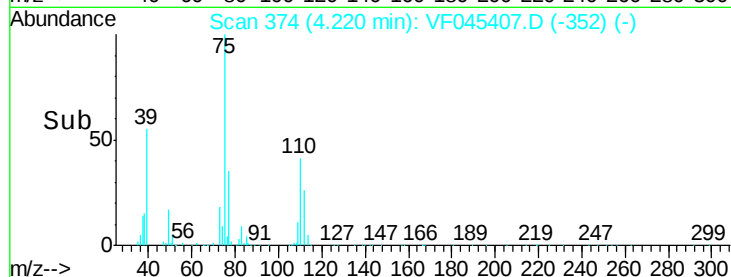
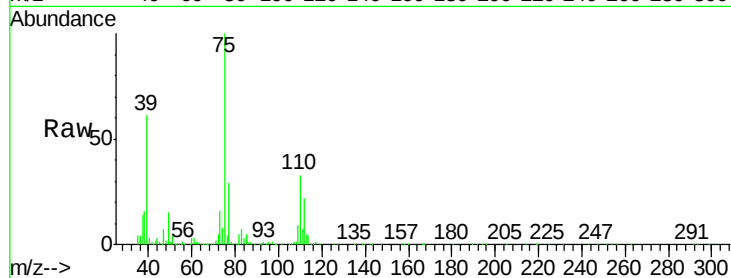
#35
 1,1-Dichloropropene
 Concen: 20.13 ug/l
 RT: 4.22 min Scan# 374
 Delta R.T. 0.02 min
 Lab File: VF045407.D
 Acq: 17 Sep 2015 15:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0917SBS01

Tot Ion	Ratio	Resp	Lower	Upper
75	100	285354		
110	33.1	15.9	47.6	
77	29.2	24.2	36.4	

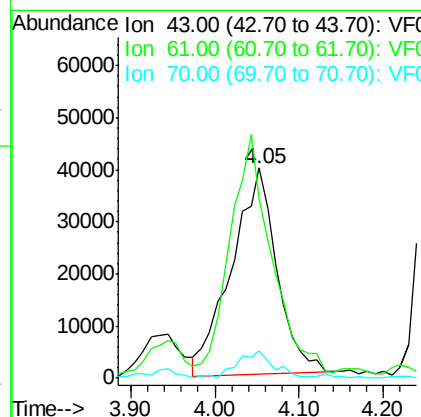
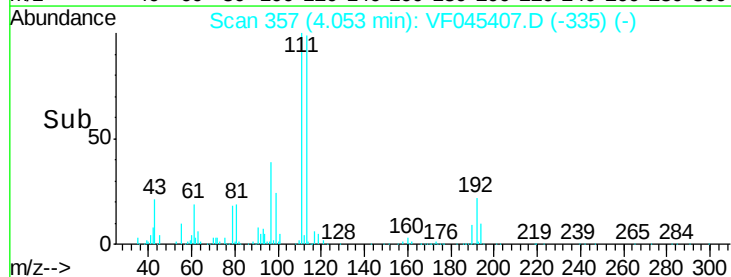
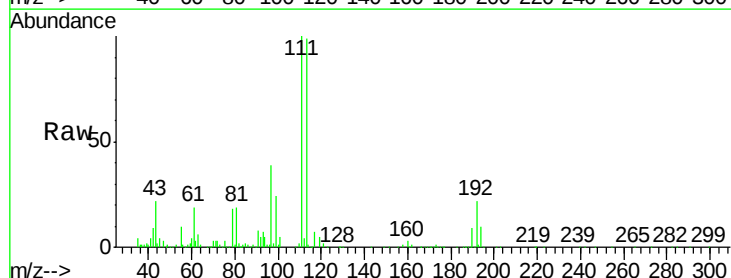
Manual Integrations
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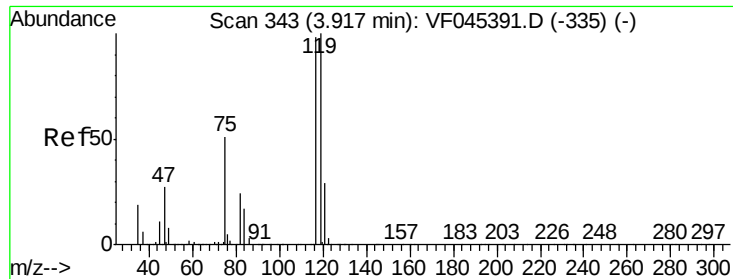
MMDadoda
 9/18/2015 12:28:51 PM



#36
 Ethyl Acetate
 Concen: 20.74 ug/l
 RT: 4.05 min Scan# 357
 Delta R.T. 0.02 min
 Lab File: VF045407.D
 Acq: 17 Sep 2015 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	148736		
61	85.7	49.4	74.0#	
70	13.2	10.8	16.2	





#37

Carbon Tetrachloride

Concen: 20.90 ug/l

RT: 3.93 min Scan# 345

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

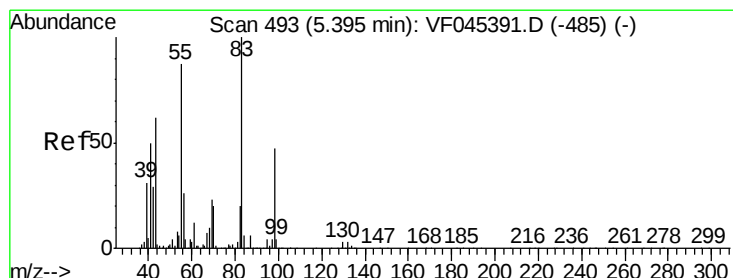
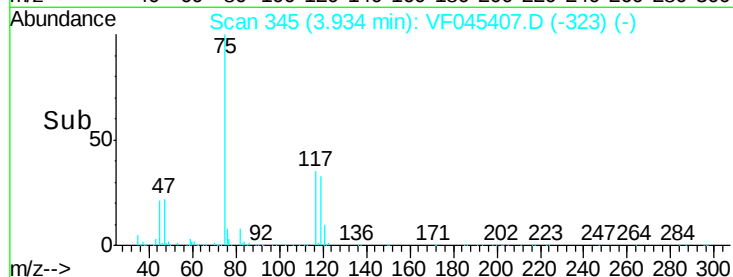
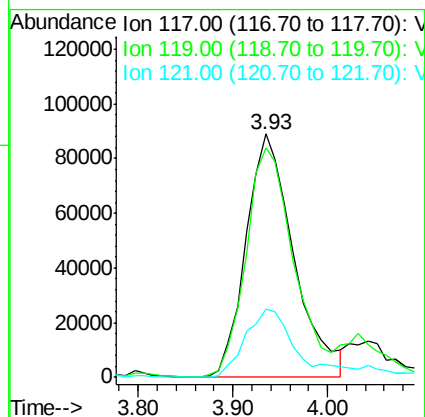
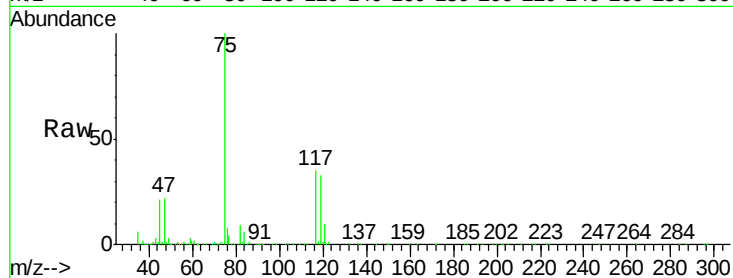
ClientSampleId :

VF0917SBS01

Tot Ion:	117	Resp:	312163
Ion Ratio	Lower	Upper	
117	100		
119	94.0	77.8	116.8
121	28.1	25.4	38.0

Manual Integrations
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#38

Methylcyclohexane

Concen: 21.13 ug/l

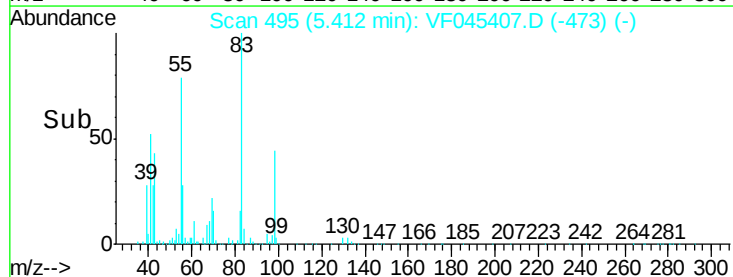
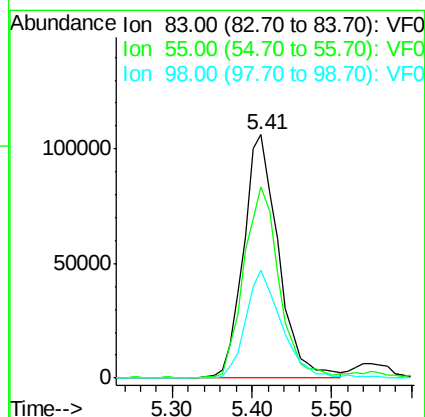
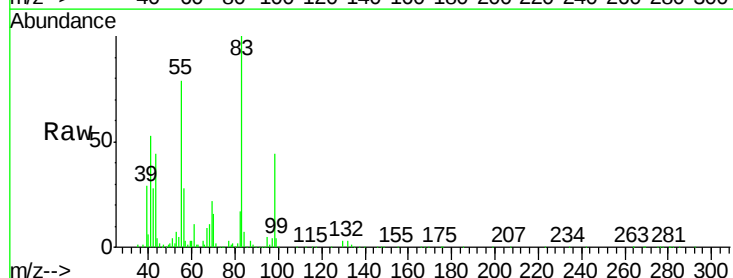
RT: 5.41 min Scan# 495

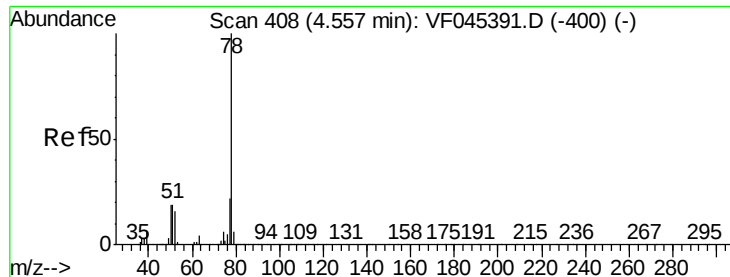
Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Tgt Ion:	83	Resp:	322054
Ion Ratio	Lower	Upper	
83	100		
55	78.7	60.5	90.7
98	44.2	38.1	57.1





#39

Benzene

Concen: 21.16 ug/l

RT: 4.58 min Scan# 411

Delta R.T. 0.03 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF0917SBS01

Tot Ion: 78 Resp: 701188

Ion Ratio Lower Upper

78 100

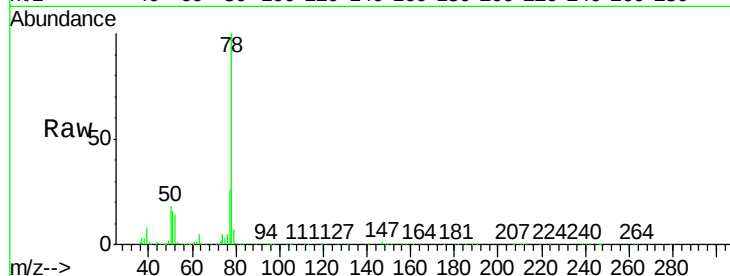
77 25.7 18.6 28.0

Manual Integrations

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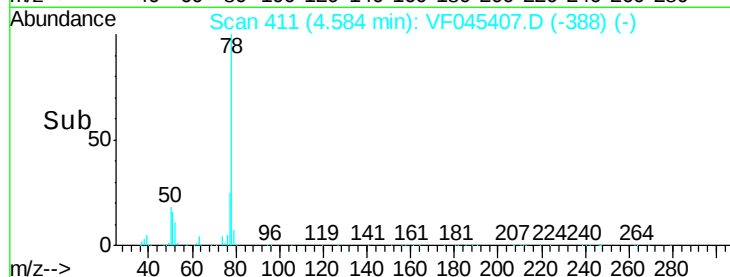
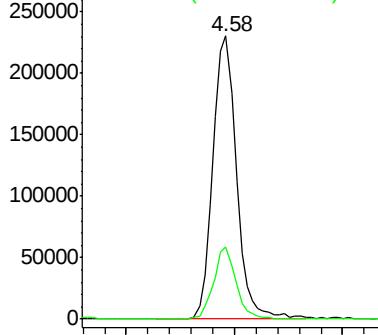
MMDadoda

9/18/2015 12:28:51 PM

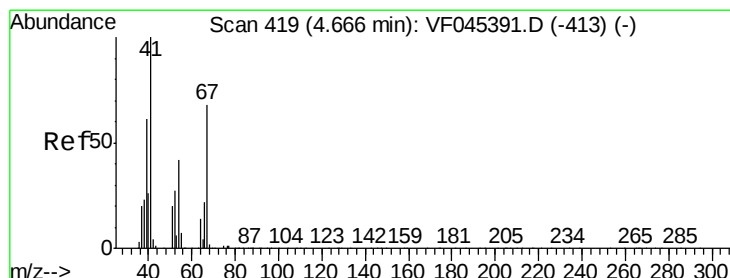


Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0



Time-->



#40

Methacrylonitrile

Concen: 19.34 ug/l

RT: 4.69 min Scan# 422

Delta R.T. 0.03 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Tgt Ion: 41 Resp: 65664

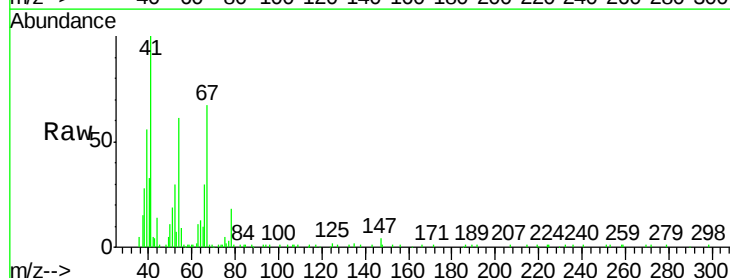
Ion Ratio Lower Upper

41 100

39 55.9 44.9 67.3

67 66.6 49.0 73.4

52 30.3 38.2 57.2#

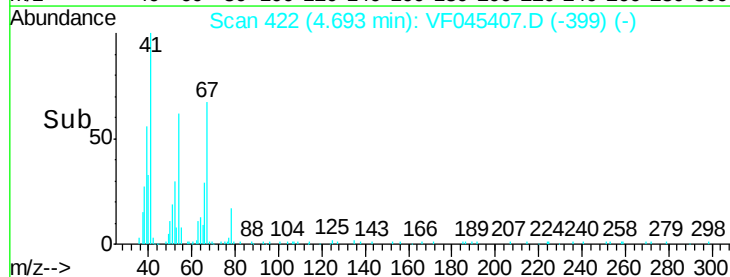
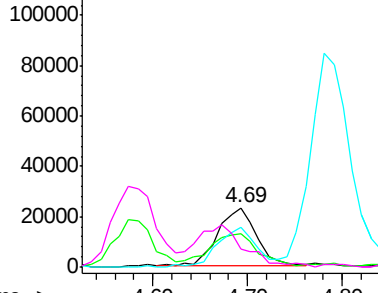


Abundance Ion 41.00 (40.70 to 41.70): VF0

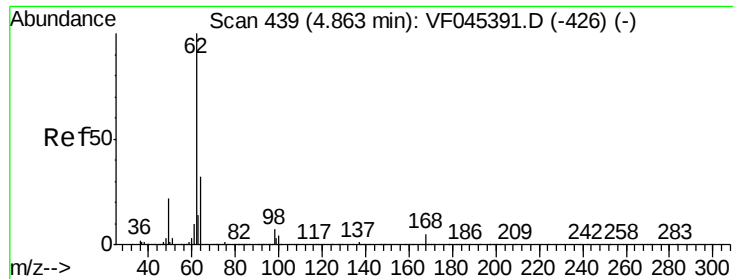
Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



Time-->



#41

1,2-Dichloroethane

Concen: 19.57 ug/l

RT: 4.88 min Scan# 441

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

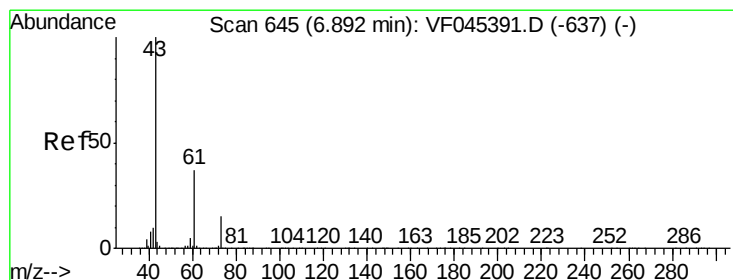
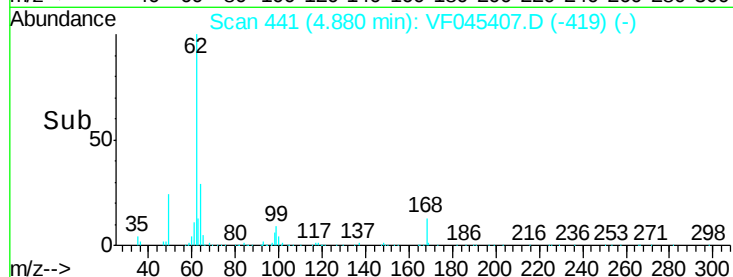
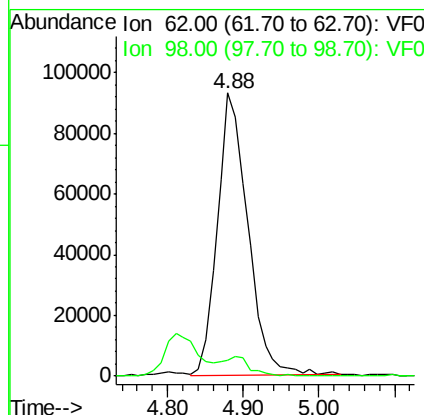
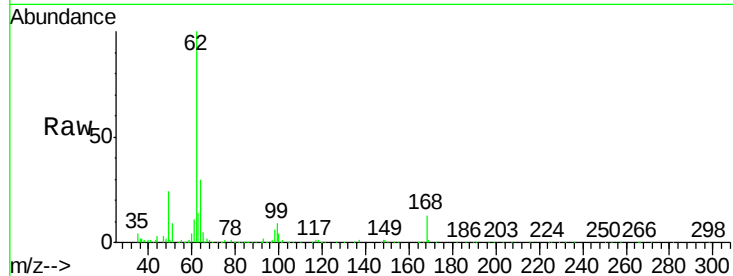
ClientSampleId :

VF0917SBS01

Tot Ion:	62	Resp:	261642
Ion Ratio	Lower	Upper	
62	100		
98	5.8	0.0	17.0

Manual Integrations
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9/18/2015 12:28:51 PM



#42

Isopropyl Acetate

Concen: 20.92 ug/l

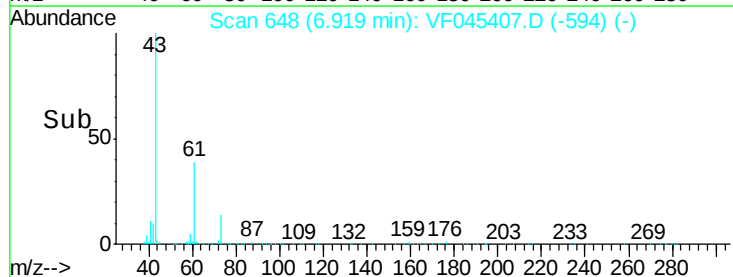
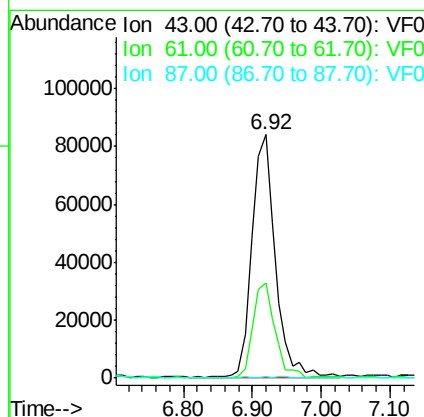
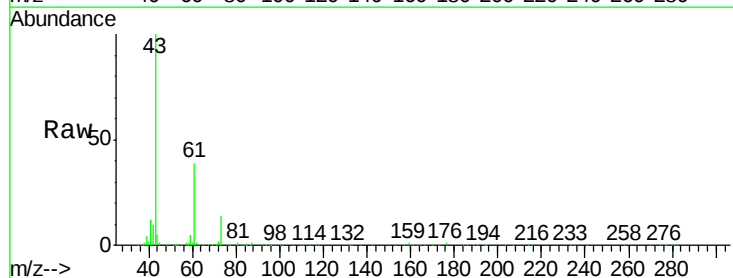
RT: 6.92 min Scan# 648

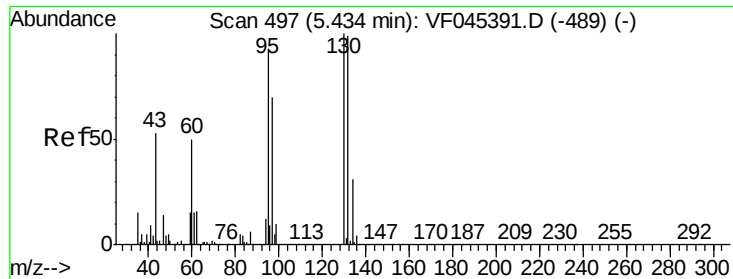
Delta R.T. 0.03 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Tgt Ion:	43	Resp:	197717
Ion Ratio	Lower	Upper	
43	100		
61	39.2	29.8	44.6
87	0.8	0.2	0.2#





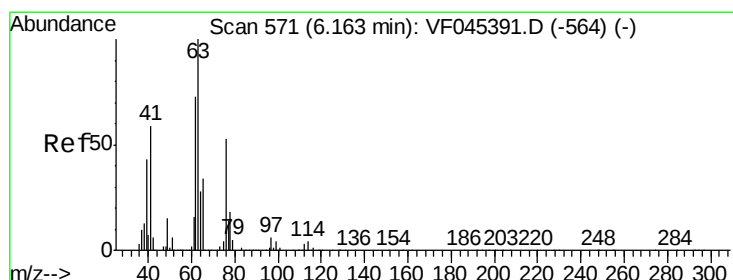
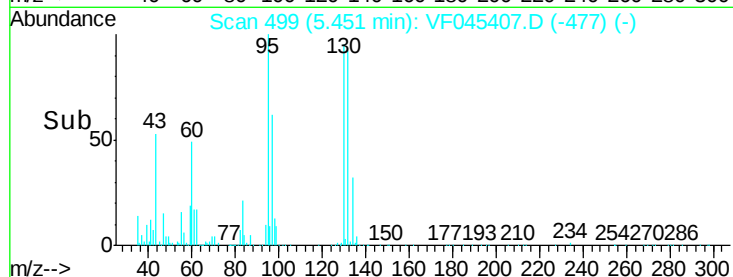
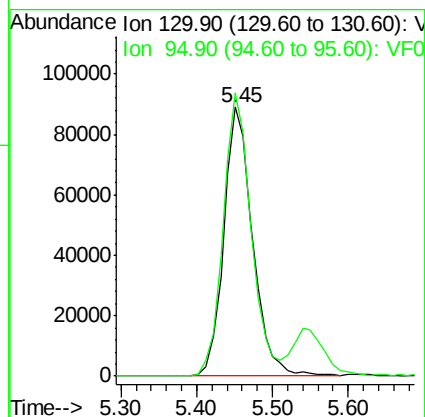
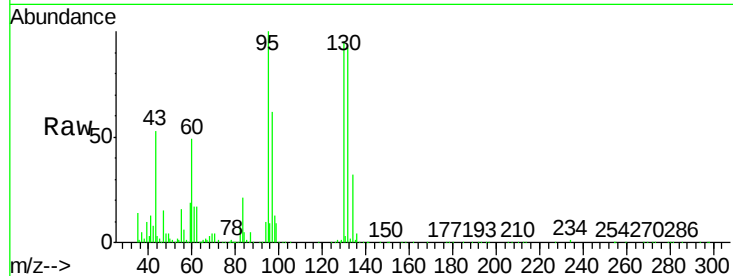
#43
 Trichloroethene
 Concen: 20.67 ug/l
 RT: 5.45 min Scan# 499
 Delta R.T. 0.02 min
 Lab File: VF045407.D
 Acq: 17 Sep 2015 15:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0917SBS01

Tot Ion	Ratio	Resp	Lower	Upper
130	100	233905		
95	105.3	0.0	192.2	

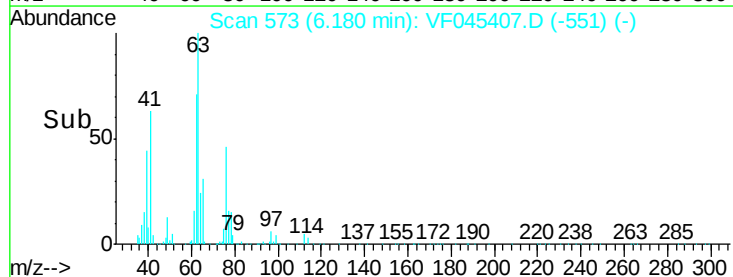
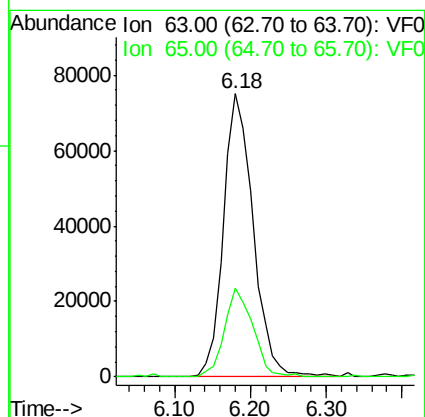
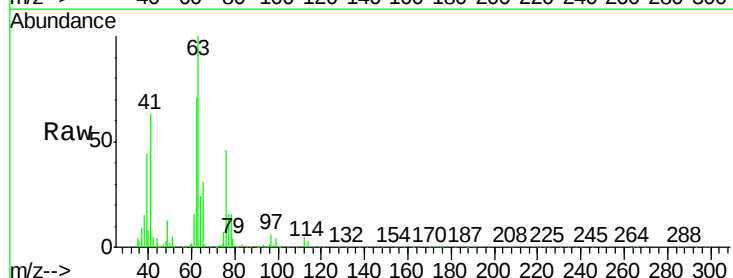
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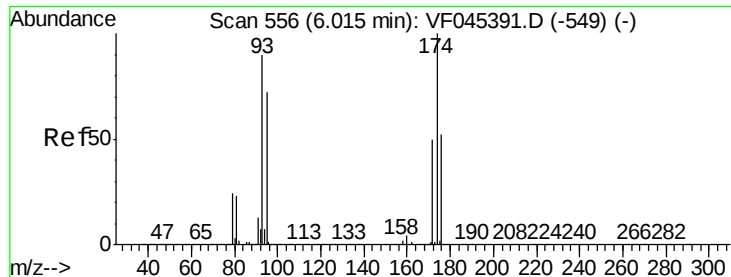
MMDadoda
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#44
 1,2-Dichloropropane
 Concen: 21.17 ug/l
 RT: 6.18 min Scan# 573
 Delta R.T. 0.02 min
 Lab File: VF045407.D
 Acq: 17 Sep 2015 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	204429		
65	31.5	25.6	38.4	





#45

Dibromomethane

Concen: 20.26 ug/l

RT: 6.03 min Scan# 558

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

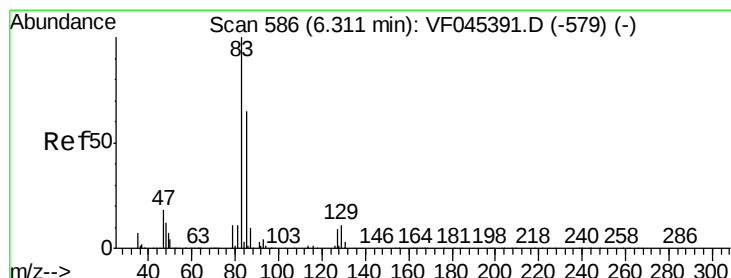
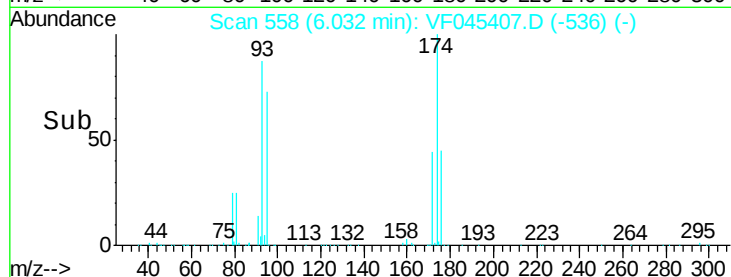
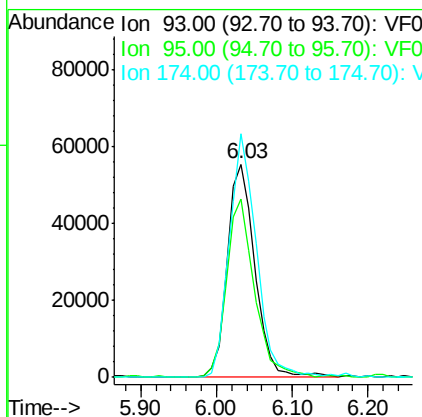
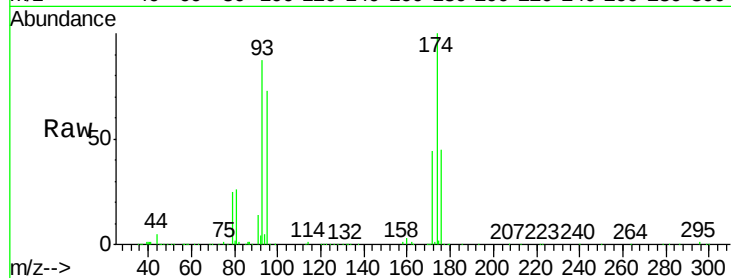
ClientSampleId :

VF0917SBS01

Tot Ion:	93	Resp:	139233
Ion Ratio	Lower	Upper	
93	100		
95	83.8	69.8	104.6
174	114.3	90.5	135.7

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#46

Bromodichloromethane

Concen: 19.63 ug/l

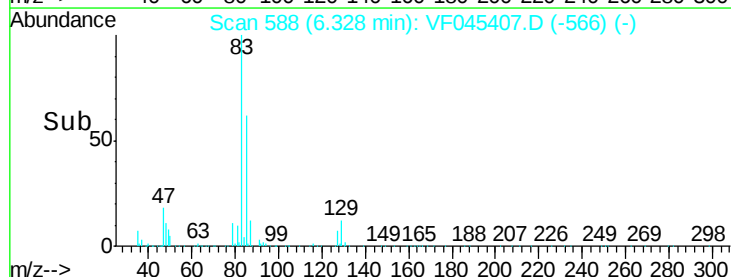
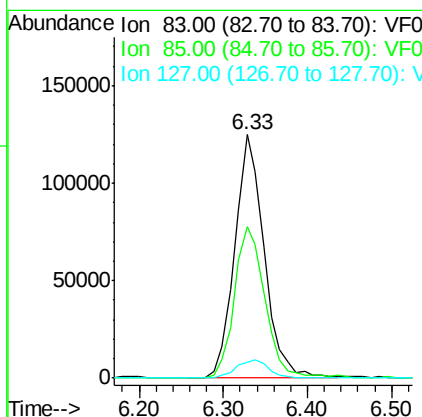
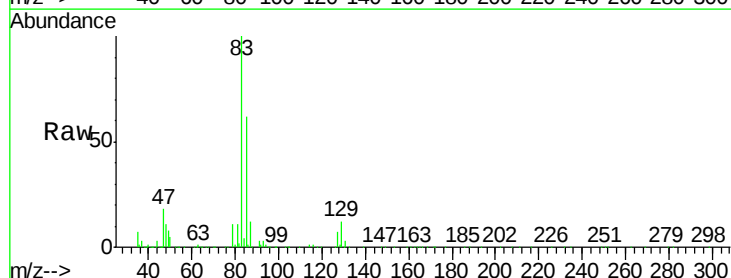
RT: 6.33 min Scan# 588

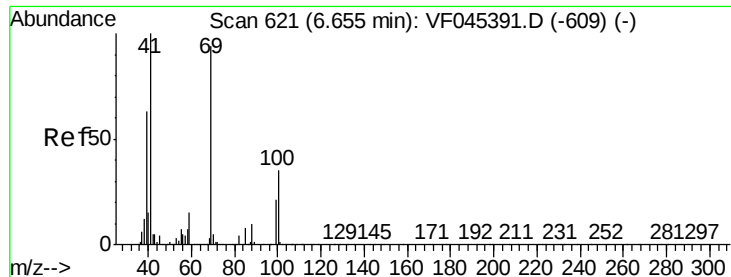
Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Tgt Ion:	83	Resp:	301973
Ion Ratio	Lower	Upper	
83	100		
85	62.3	50.6	75.8
127	6.7	7.7	11.5#





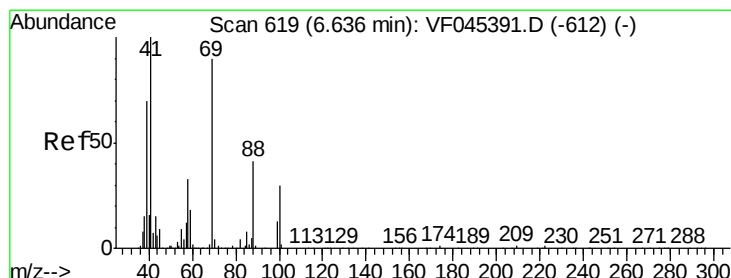
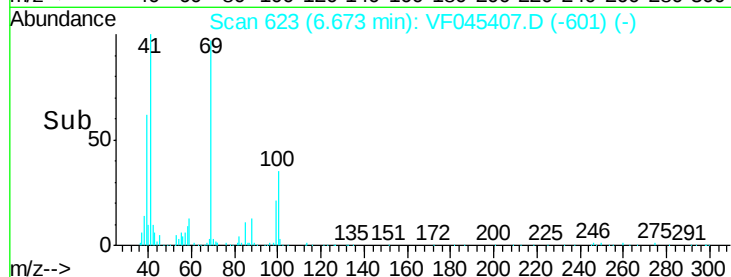
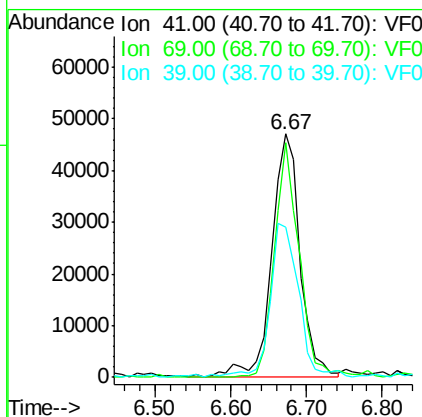
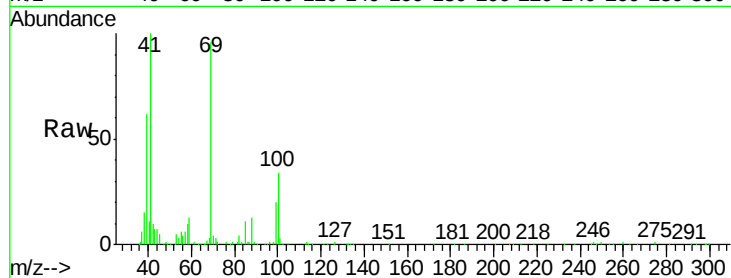
#47
Methvl methacrvlate
Concen: 21.05 ug/l
RT: 6.67 min Scan# 623
Delta R.T. 0.02 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Instrument :
MSVOA_F
ClientSampleId :
VF0917SBS01

Tot Ion	Ratio	Resp	Lower	Upper
41	100	120722		
69	96.3	63.3	94.9#	
39	61.6	48.9	73.3	

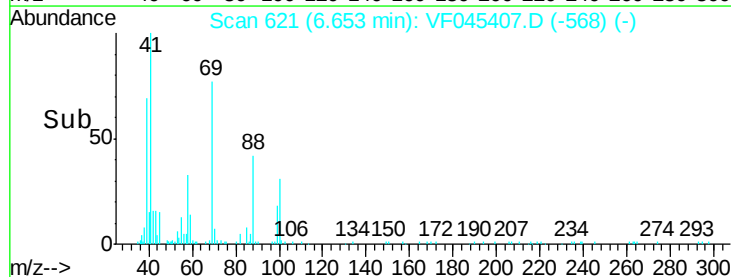
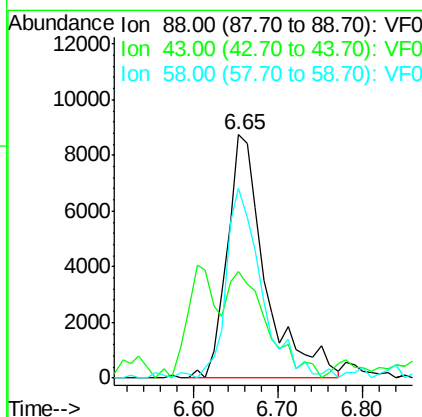
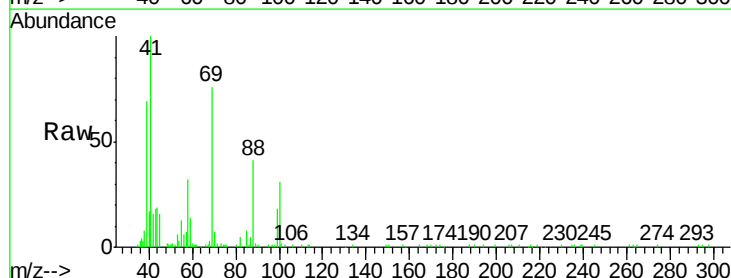
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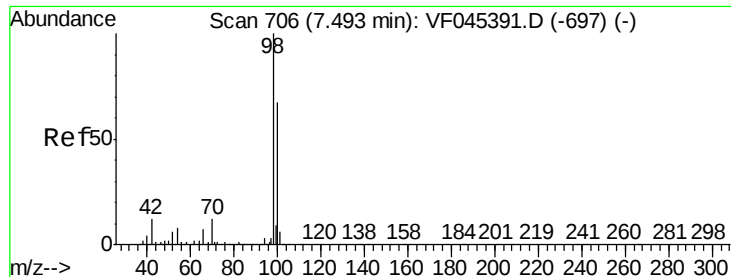
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#48
1,4-Dioxane
Concen: 402.26 ug/l
RT: 6.65 min Scan# 621
Delta R.T. 0.02 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	27640		
43	43.8	34.5	51.7	
58	78.0	46.5	69.7#	





#49

Toluene-d8

Concen: 52.01 ug/l

RT: 7.51 min Scan# 708

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Tot Ion: 98 Resp: 1773562

Ion Ratio Lower Upper

98 100

100 68.2 54.4 81.6

Instrument :

MSVOA_F

ClientSampleId :

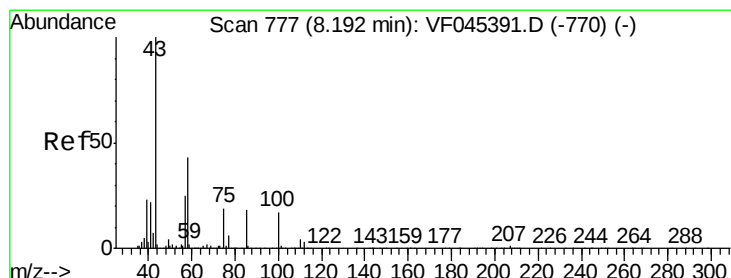
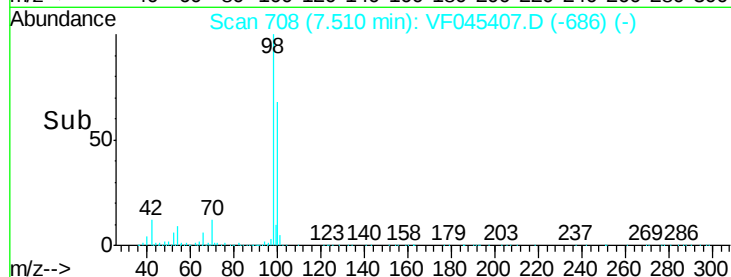
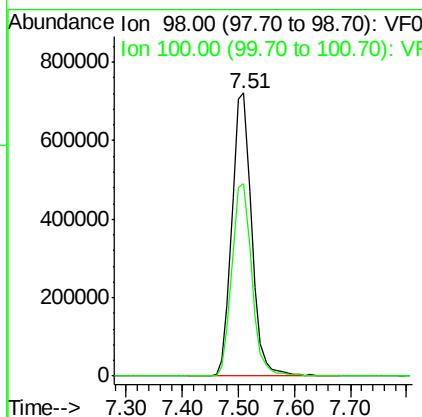
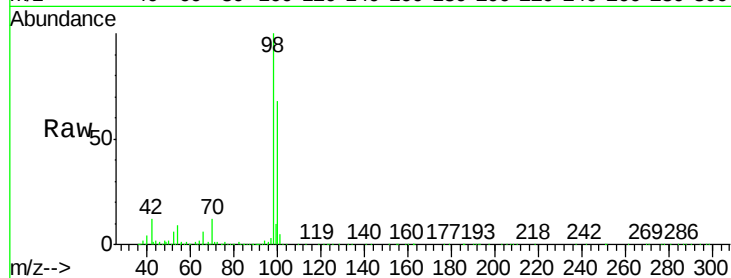
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9/18/2015 12:28:51 PM



#50

4-Methyl-2-Pentanone

Concen: 105.08 ug/l

RT: 8.21 min Scan# 779

Delta R.T. 0.02 min

Lab File: VF045407.D

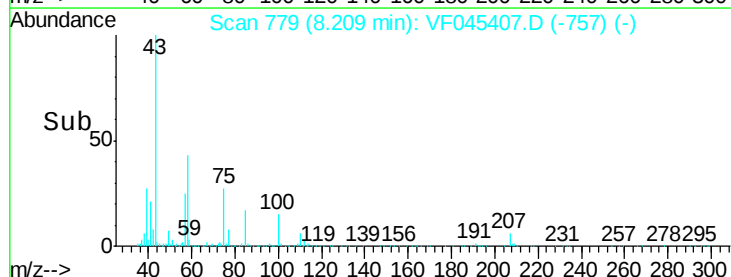
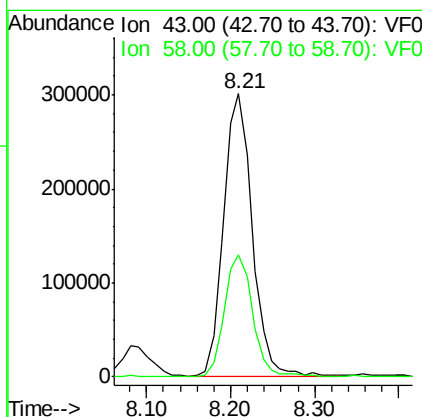
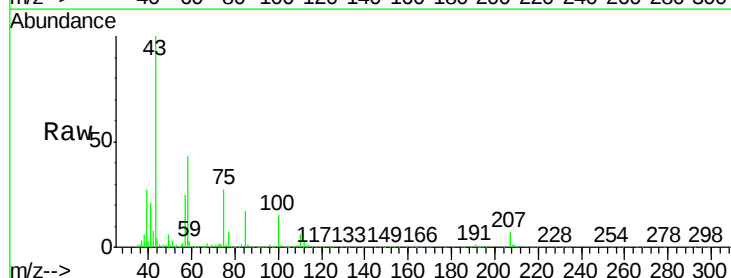
Acq: 17 Sep 2015 15:33

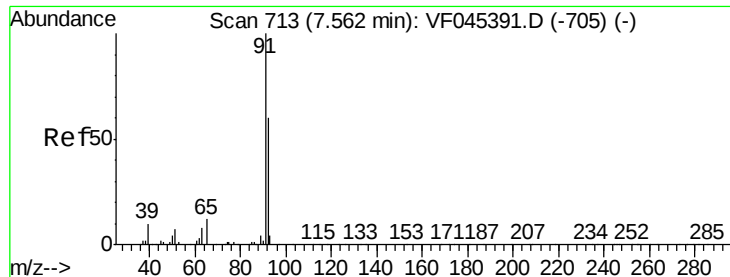
Tgt Ion: 43 Resp: 706125

Ion Ratio Lower Upper

43 100

58 43.1 33.6 50.4





#51

Toluene

Concen: 22.45 ug/l

RT: 7.58 min Scan# 715

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF0917SBS01

Tot Ion: 92 Resp: 573305

Ion Ratio Lower Upper

92 100

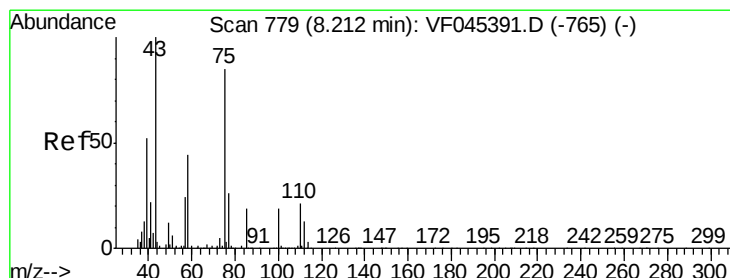
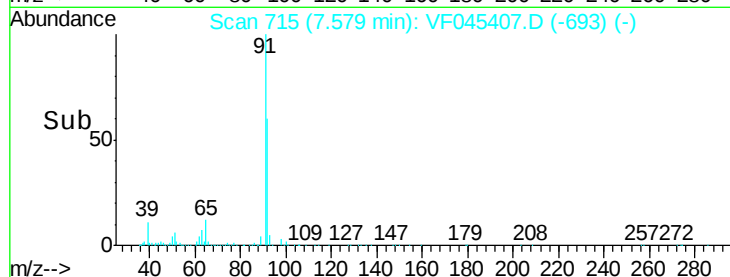
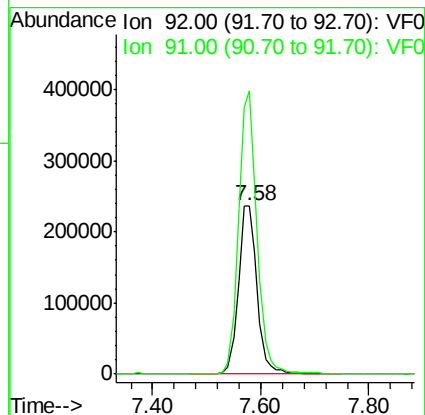
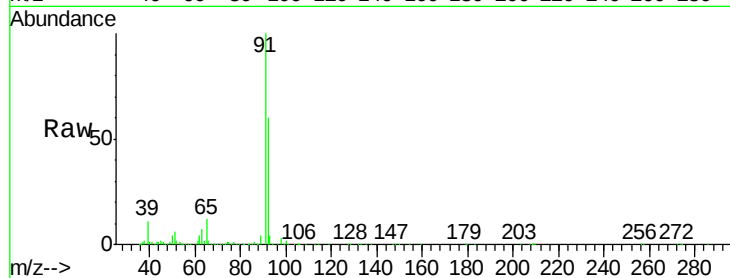
91 167.8 133.4 200.0

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#52

t-1,3-Dichloropropene

Concen: 20.83 ug/l

RT: 8.22 min Scan# 780

Delta R.T. 0.01 min

Lab File: VF045407.D

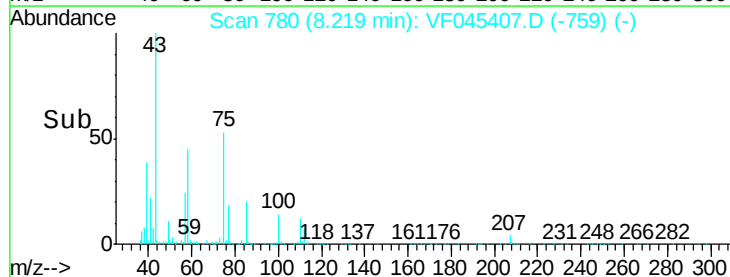
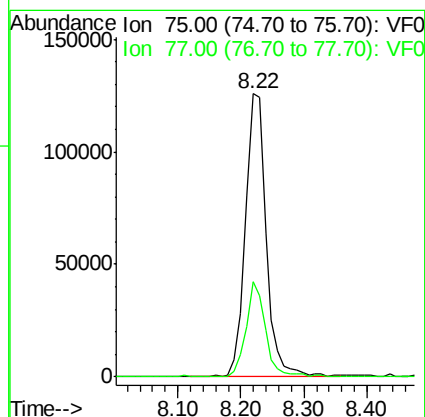
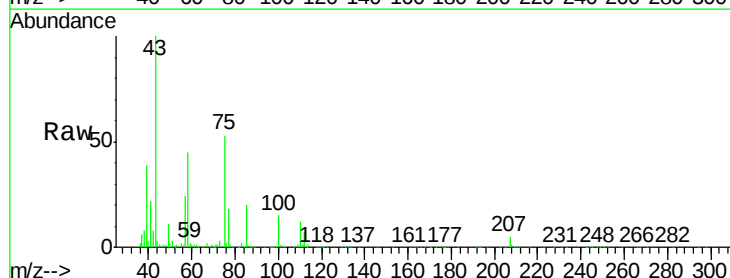
Acq: 17 Sep 2015 15:33

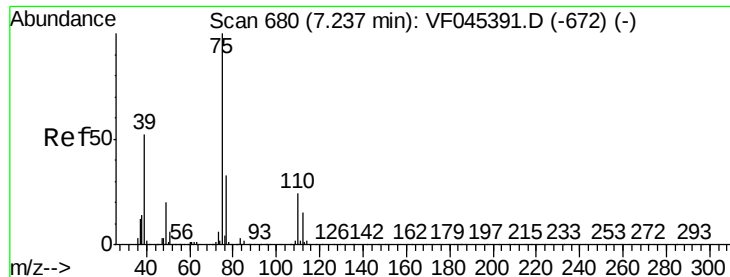
Tgt Ion: 75 Resp: 288112

Ion Ratio Lower Upper

75 100

77 33.7 28.1 42.1





#53

cis-1,3-Dichloropropene

Concen: 21.29 ug/l

RT: 7.25 min Scan# 682

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

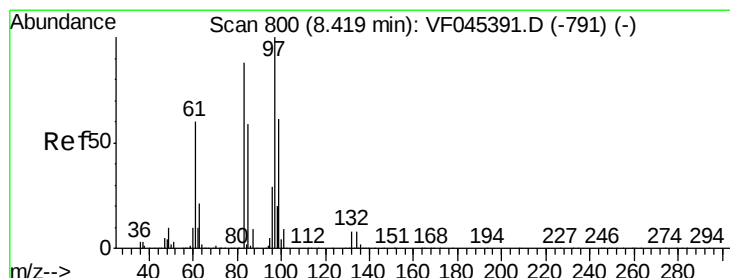
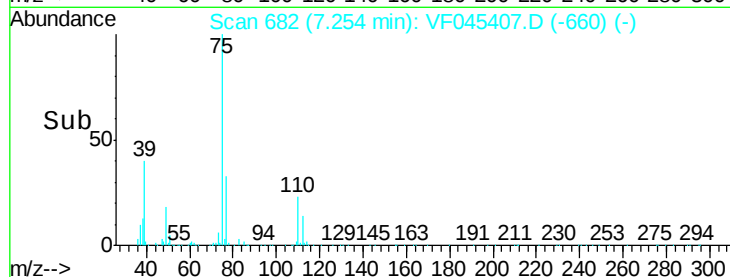
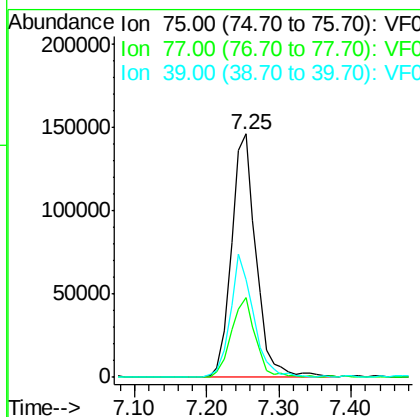
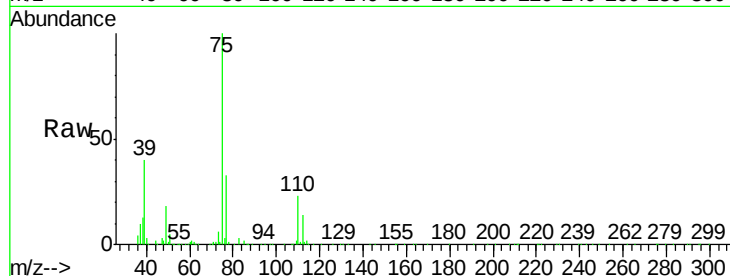
ClientSampleId :

VF0917SBS01

Tot Ion:	75	Resp:	347643
Ion Ratio	Lower	Upper	
75	100		
77	32.6	25.5	38.3
39	40.4	41.6	62.4#

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#54

1,1,2-Trichloroethane

Concen: 21.66 ug/l

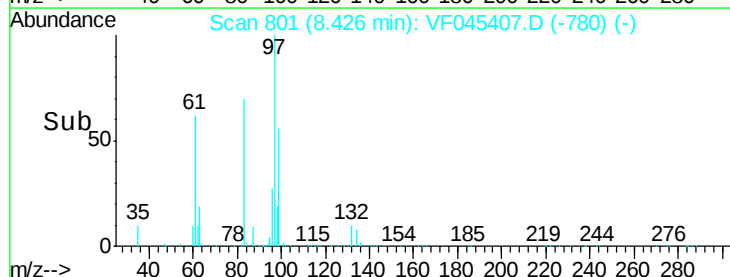
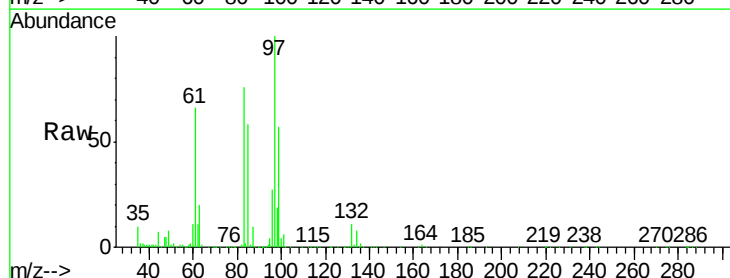
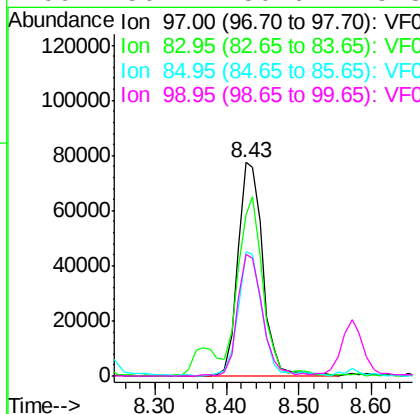
RT: 8.43 min Scan# 801

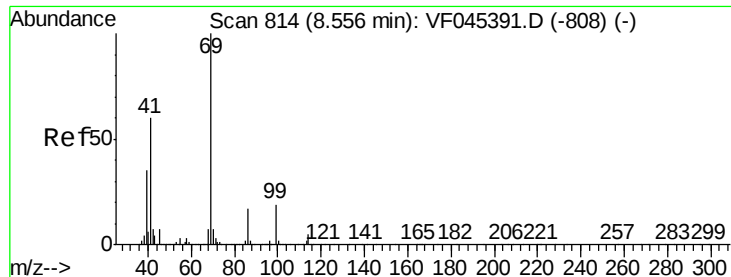
Delta R.T. 0.01 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Tgt Ion:	97	Resp:	187041
Ion Ratio	Lower	Upper	
97	100		
83	75.7	70.1	105.1
85	58.1	47.4	71.2
99	56.7	50.6	75.8





#55

Ethyl methacrylate

Concen: 20.19 ug/l

RT: 8.57 min Scan# 816

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

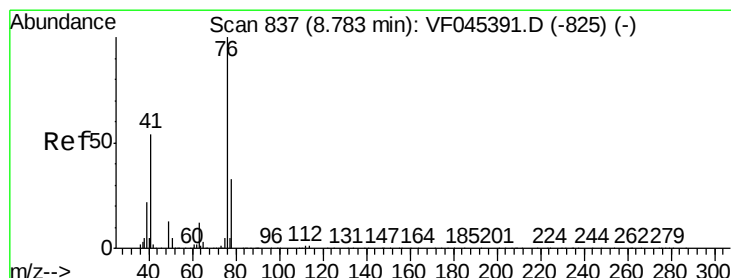
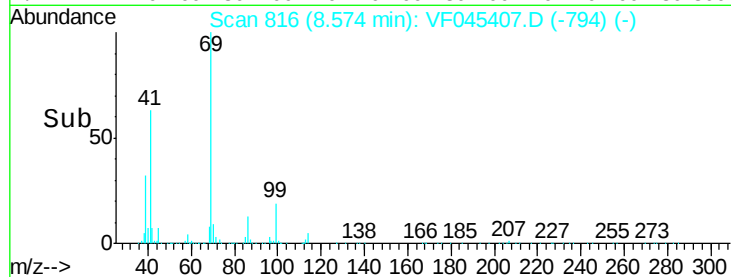
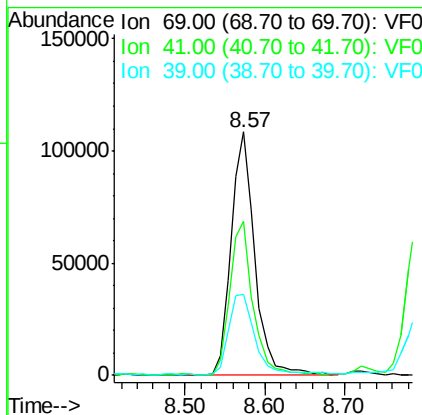
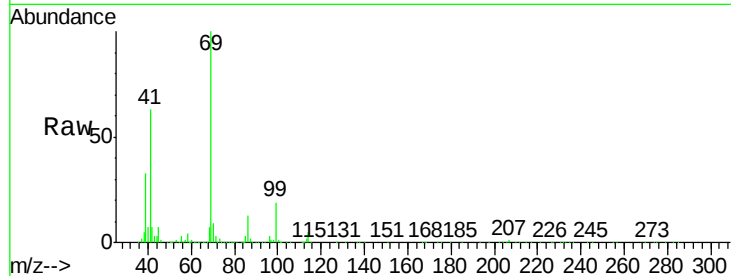
ClientSampleId :

VF0917SBS01

Tot Ion:	69	Resp:	226891
Ion Ratio	Lower	Upper	
69	100		
41	63.4	51.0	76.4
39	33.3	29.1	43.7

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#56

1,3-Dichloropropane

Concen: 20.98 ug/l

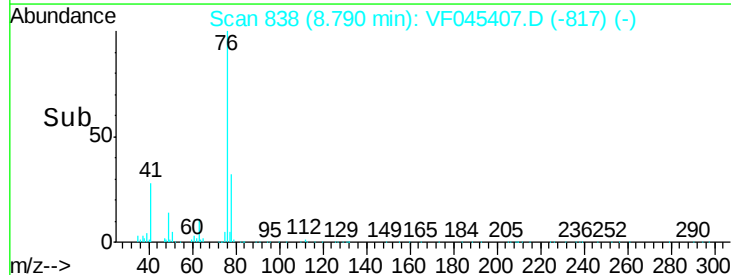
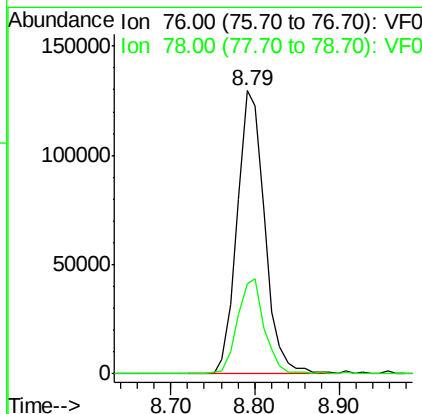
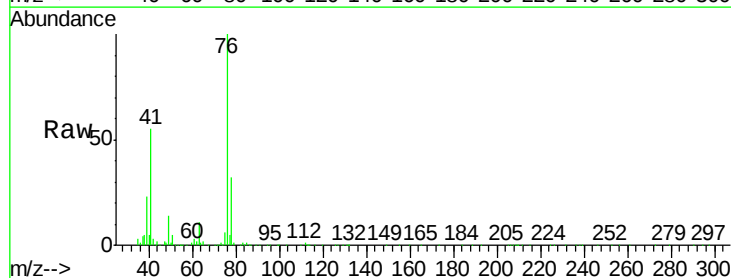
RT: 8.79 min Scan# 838

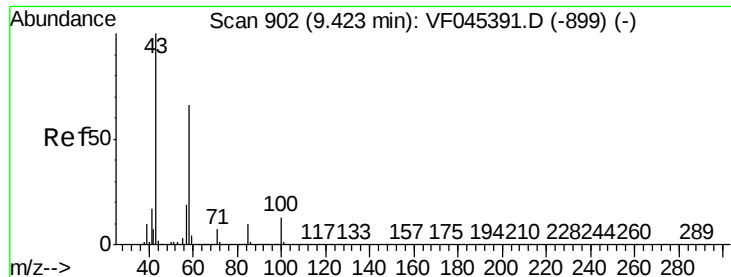
Delta R.T. 0.01 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Tgt Ion:	76	Resp:	295631
Ion Ratio	Lower	Upper	
76	100		
78	31.8	26.1	39.1





#58

2-Hexanone

Concen: 111.15 ug/l

RT: 9.44 min Scan# 904

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF0917SBS01

Tot Ion: 43 Resp: 594510

Ion Ratio Lower Upper

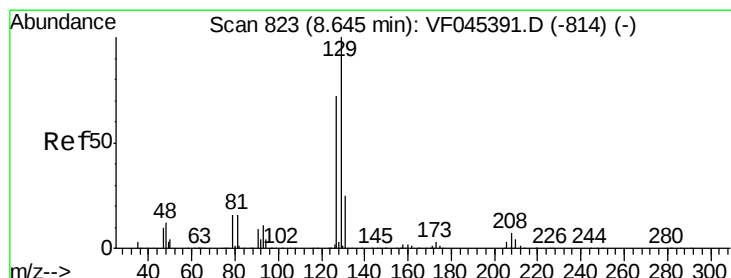
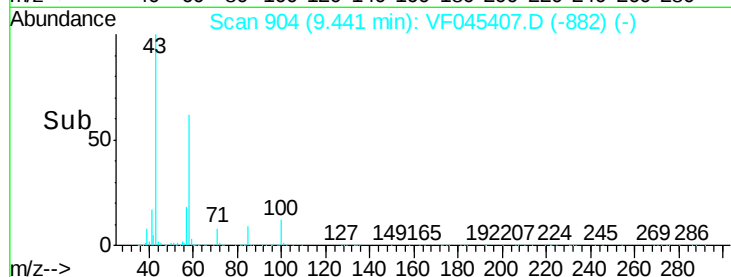
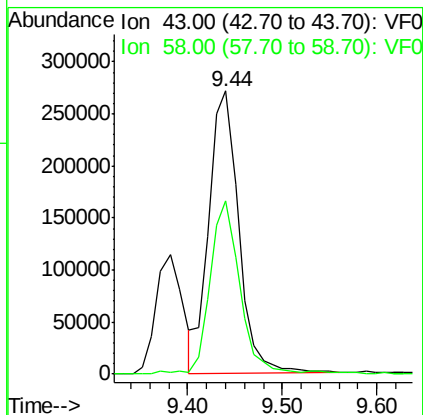
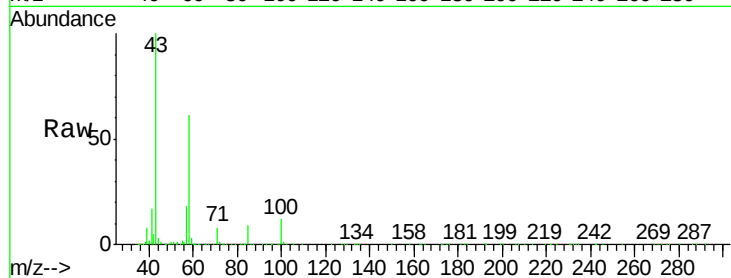
43 100

58 61.4 28.8 86.5

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#59

Dibromochloromethane

Concen: 19.48 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.01 min

Lab File: VF045407.D

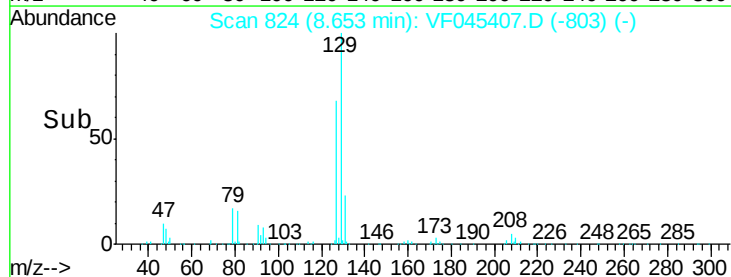
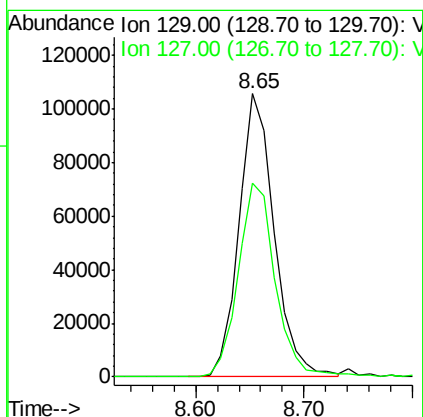
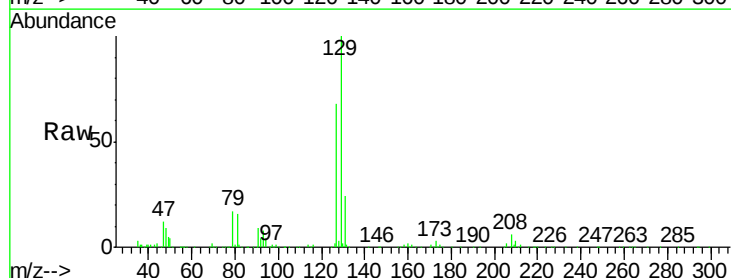
Acq: 17 Sep 2015 15:33

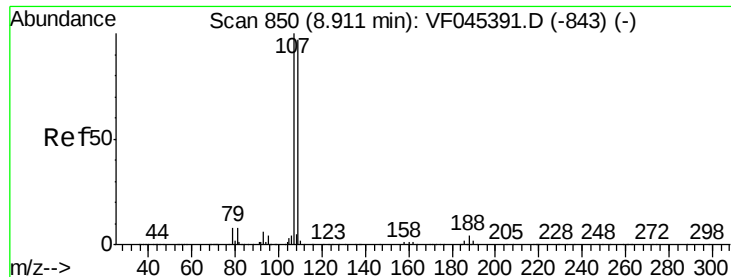
Tgt Ion: 129 Resp: 238468

Ion Ratio Lower Upper

129 100

127 68.3 38.2 114.6





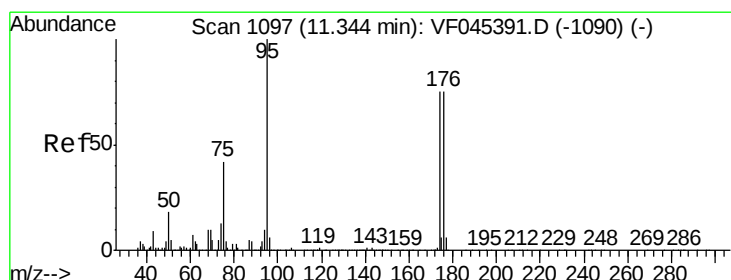
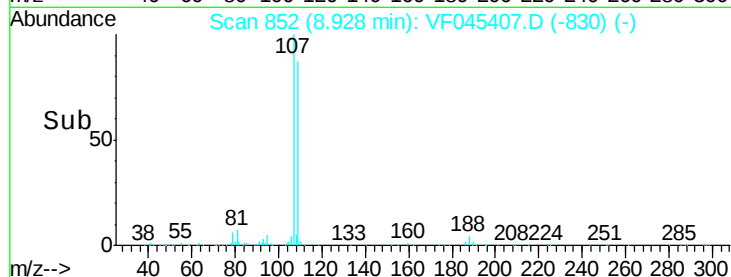
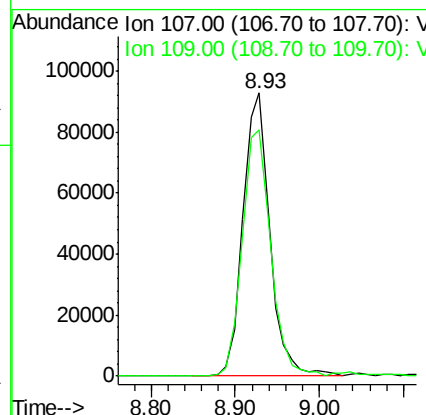
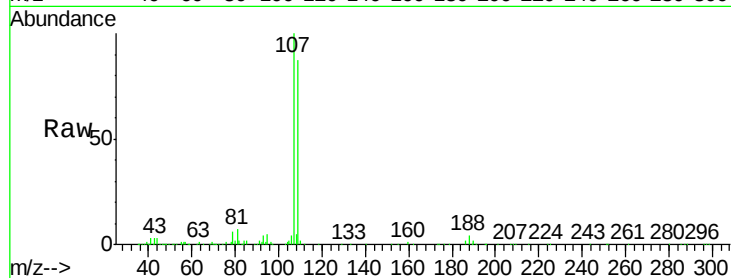
#60
 1,2-Dibromoethane
 Concen: 21.06 ug/l
 RT: 8.93 min Scan# 852
 Delta R.T. 0.02 min
 Lab File: VF045407.D
 Acq: 17 Sep 2015 15:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0917SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	87.1	79.4	119.0

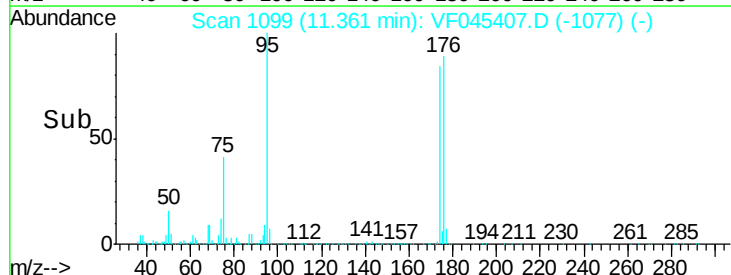
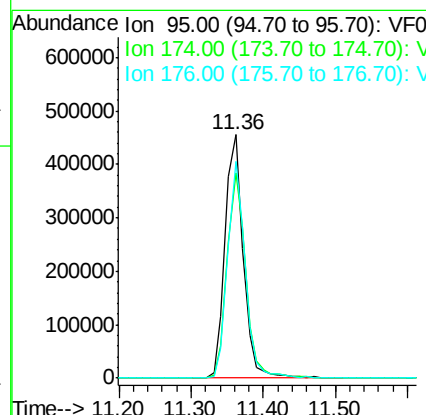
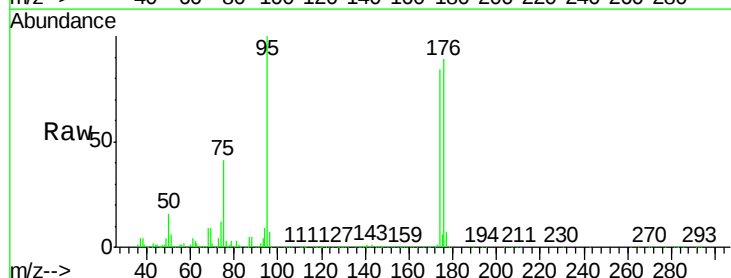
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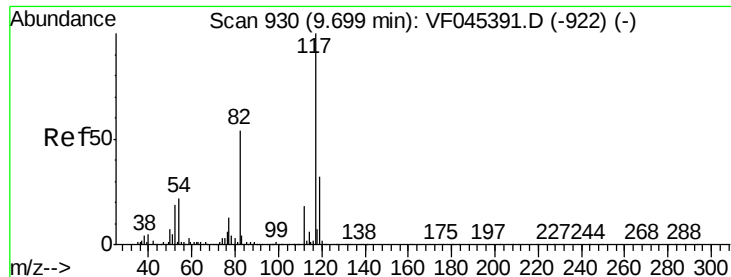
MMDadoda
 9/18/2015 12:28:51 PM



#61
 4-Bromofluorobenzene
 Concen: 48.56 ug/l
 RT: 11.36 min Scan# 1099
 Delta R.T. 0.02 min
 Lab File: VF045407.D
 Acq: 17 Sep 2015 15:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.3	0.0	177.8
176	89.2	0.0	176.2





#62

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.72 min Scan# 932

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF0917SBS01

Tot Ion:117 Resp: 1329788

Ion Ratio Lower Upper

117 100

82 55.4 45.0 67.6

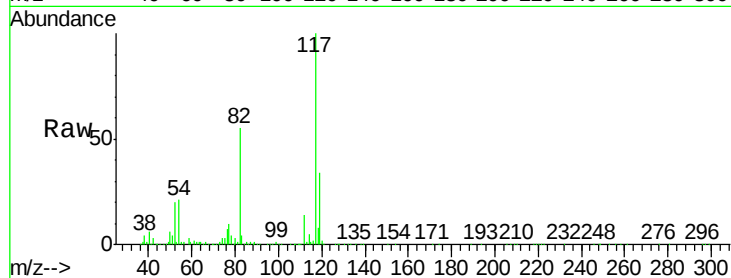
119 34.2 26.2 39.4

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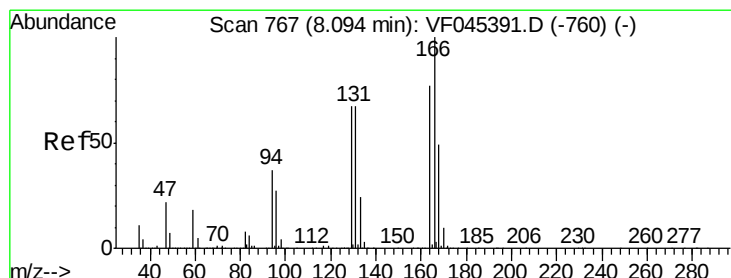
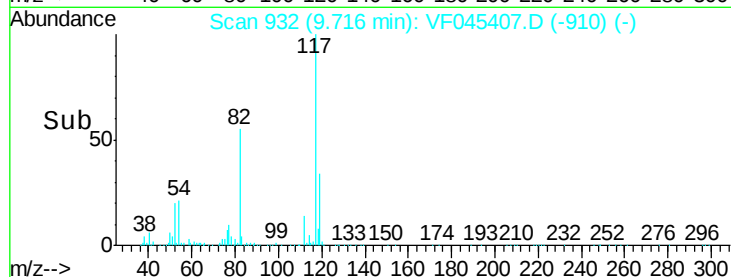
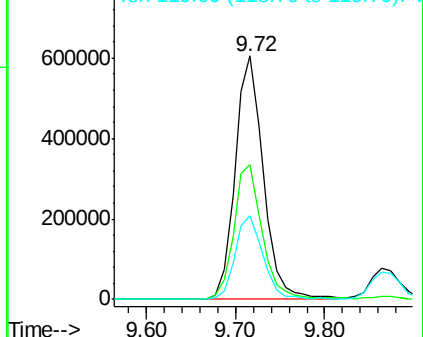


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#63

Tetrachloroethene

Concen: 23.20 ug/l

RT: 8.10 min Scan# 768

Delta R.T. 0.01 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Tgt Ion:164 Resp: 245066

Ion Ratio Lower Upper

164 100

166 131.8 106.0 159.0

129 97.9 69.8 104.6

131 89.1 68.2 102.4

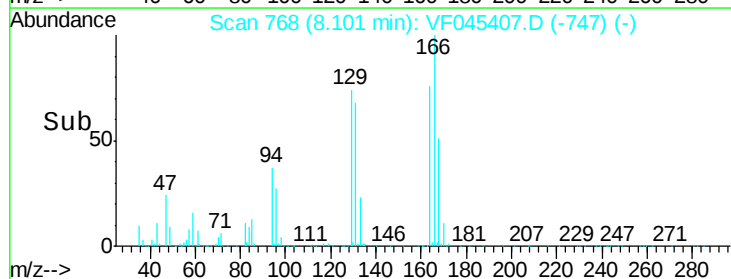
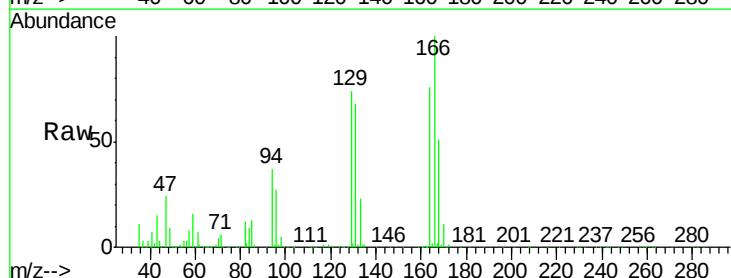
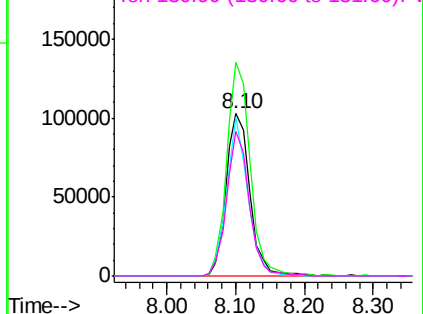
Abundance

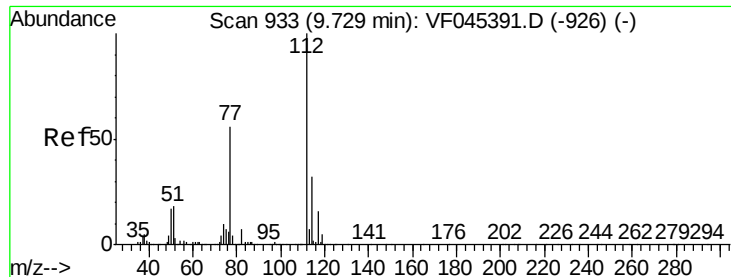
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





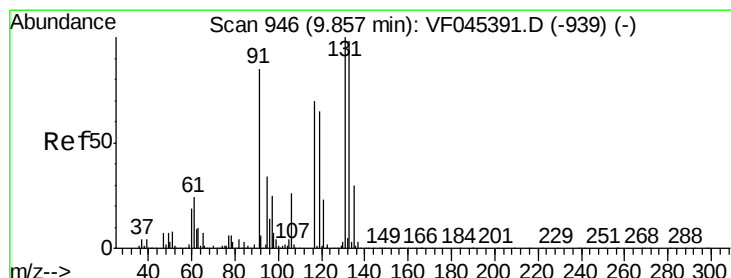
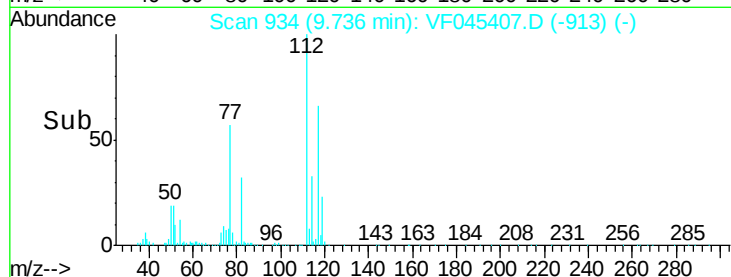
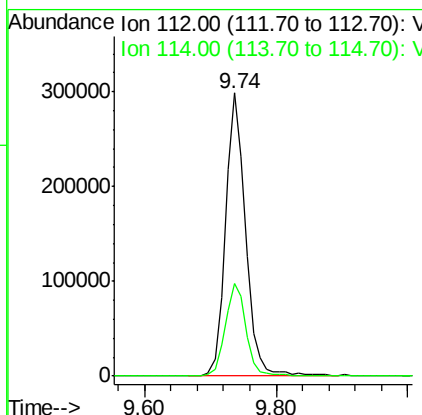
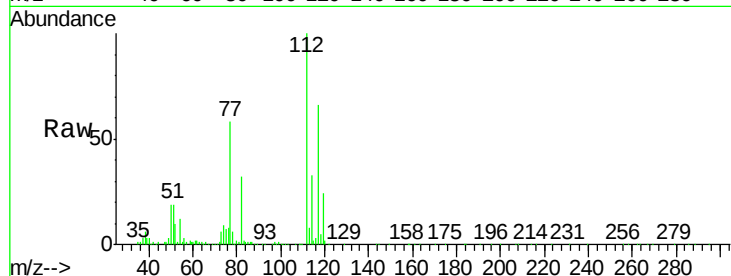
#64
Chlorobenzene
Concen: 22.83 ug/l
RT: 9.74 min Scan# 934
Delta R.T. 0.01 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Instrument :
MSVOA_F
ClientSampleId :
VF0917SBS01

Tot Ion:112 Resp: 637049
Ion Ratio Lower Upper
112 100
114 32.7 25.6 38.4

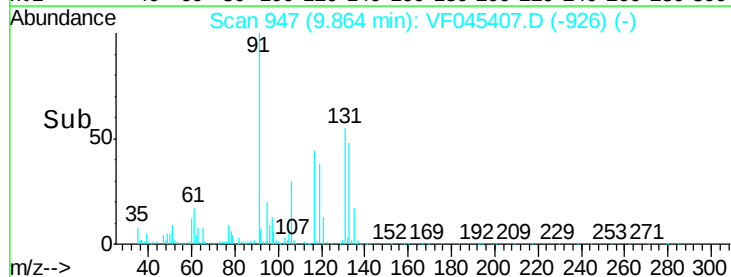
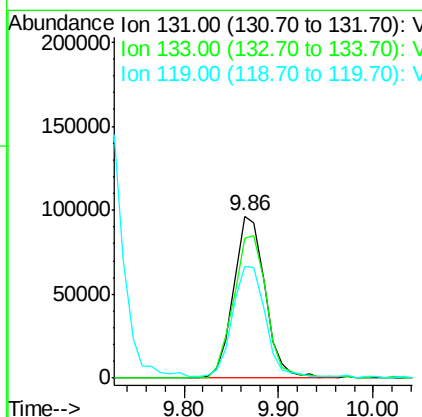
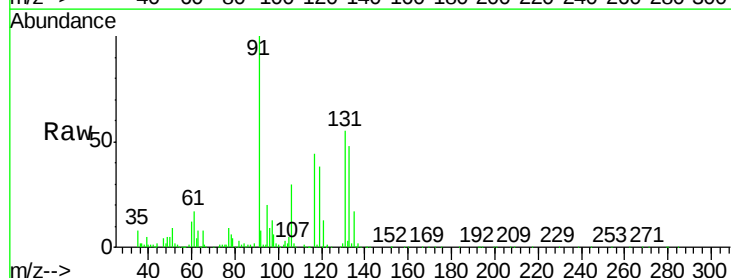
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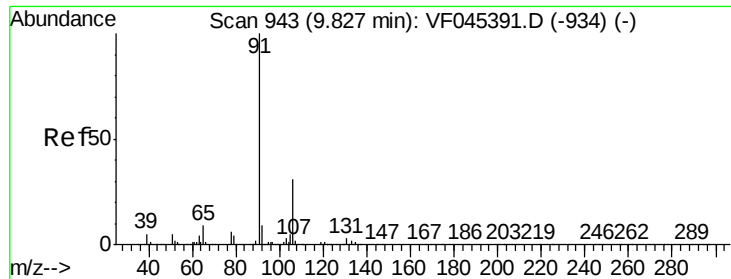
MMDadoda
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#65
1,1,1,2-Tetrachloroethane
Concen: 21.84 ug/l
RT: 9.86 min Scan# 947
Delta R.T. 0.01 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Tgt Ion:131 Resp: 222763
Ion Ratio Lower Upper
131 100
133 86.5 48.1 144.4
119 69.2 34.8 104.5





#66

Ethyl Benzene

Concen: 23.35 ug/l

RT: 9.84 min Scan# 945

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF0917SBS01

Tot Ion: 91 Resp: 1128754

Ion Ratio Lower Upper

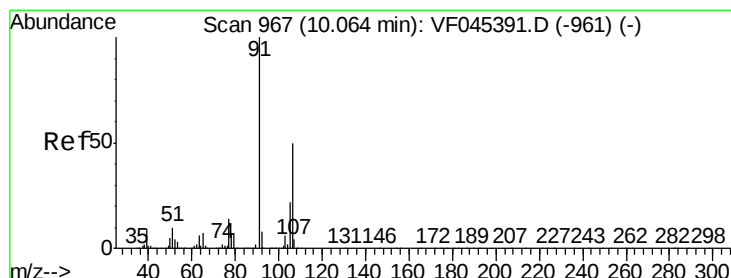
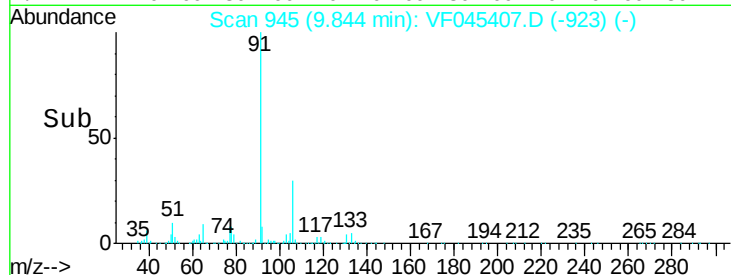
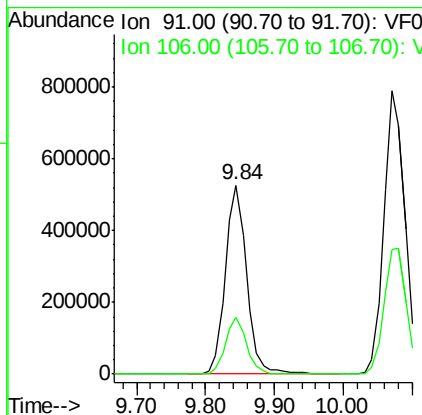
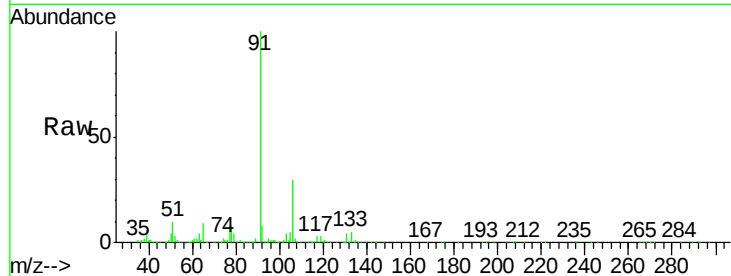
91 100

106 29.9 23.6 35.4

Manual Integrations
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#67

m/p-Xylenes

Concen: 46.55 ug/l

RT: 10.08 min Scan# 969

Delta R.T. 0.02 min

Lab File: VF045407.D

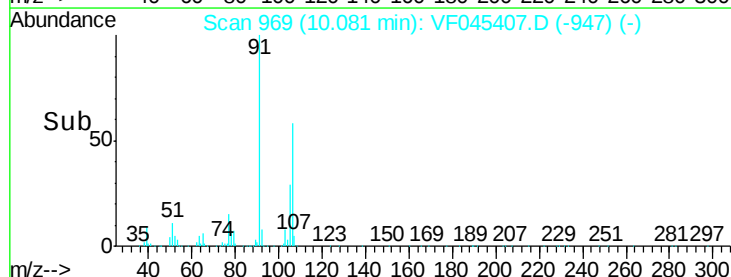
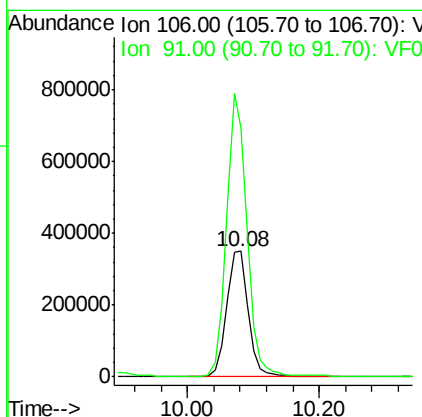
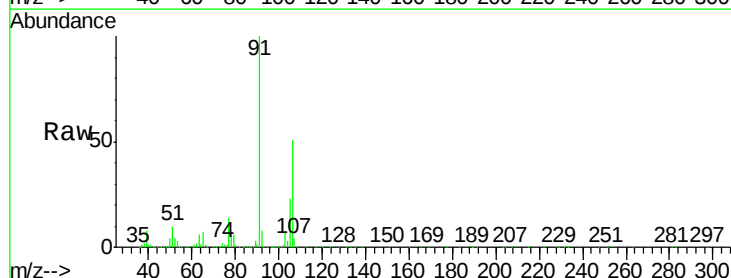
Acq: 17 Sep 2015 15:33

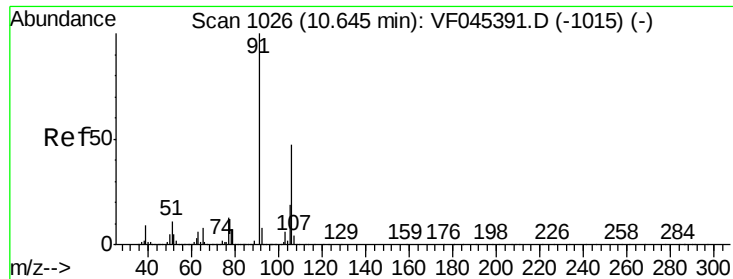
Tgt Ion: 106 Resp: 806583

Ion Ratio Lower Upper

106 100

91 197.5 166.1 249.1





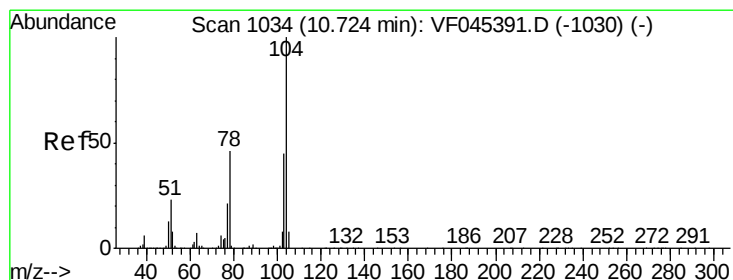
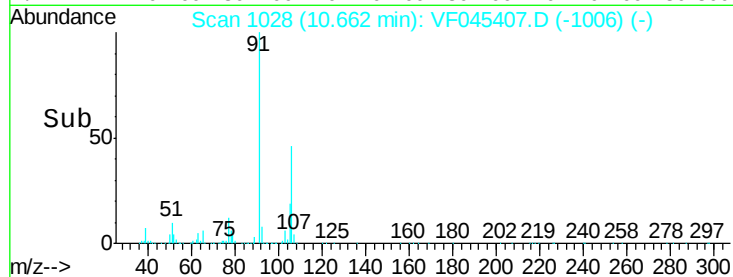
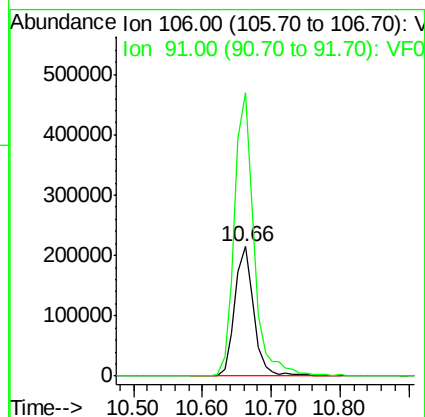
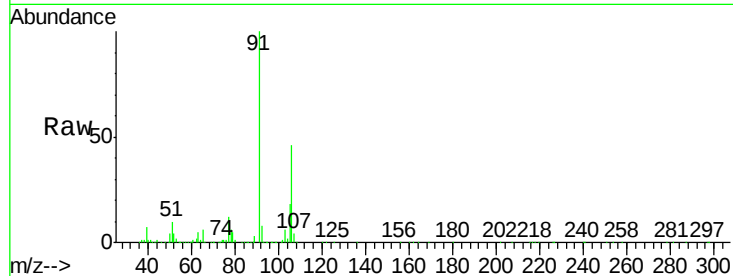
#68
o-Xylene
Concen: 22.92 ug/l
RT: 10.66 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Instrument :
MSVOA_F
ClientSampleID :
VF0917SBS01

Tot Ion:106 Resp: 412147
Ion Ratio Lower Upper
106 100
91 218.7 108.1 324.2

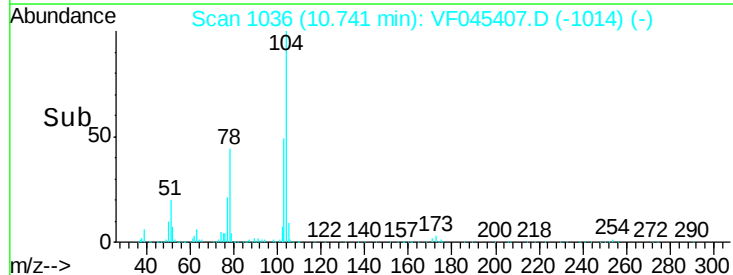
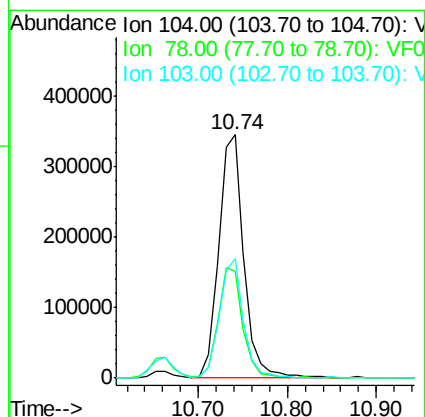
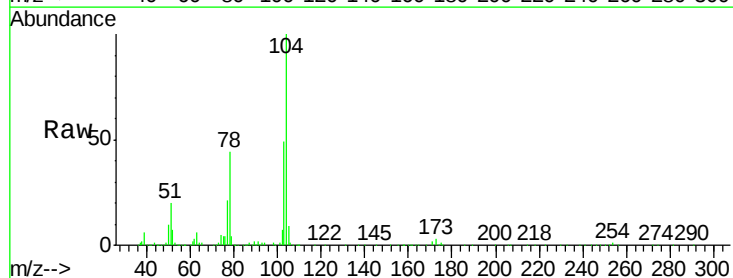
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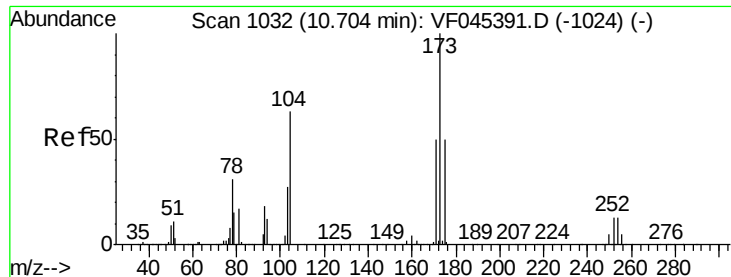
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#69
Styrene
Concen: 23.54 ug/l
RT: 10.74 min Scan# 1036
Delta R.T. 0.02 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Tgt Ion:104 Resp: 675668
Ion Ratio Lower Upper
104 100
78 43.9 34.2 51.4
103 48.8 36.7 55.1





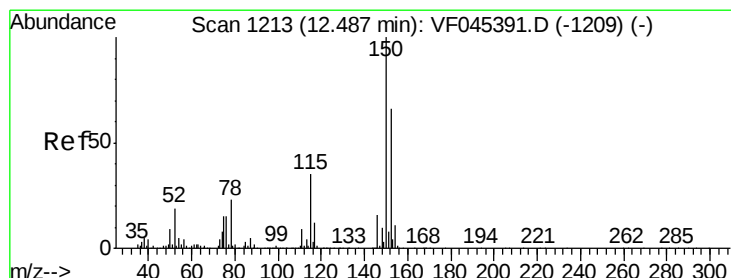
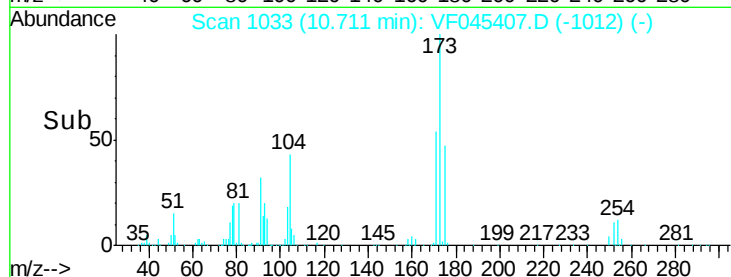
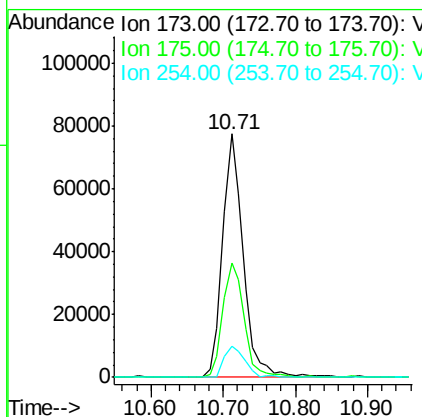
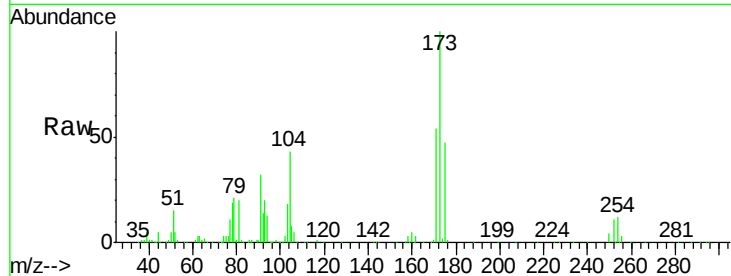
#70
Bromoform
Concen: 20.39 ug/l
RT: 10.71 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Instrument :
MSVOA_F
ClientSampleId :
VF0917SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.7	25.7	77.0
254	12.6	9.8	14.6

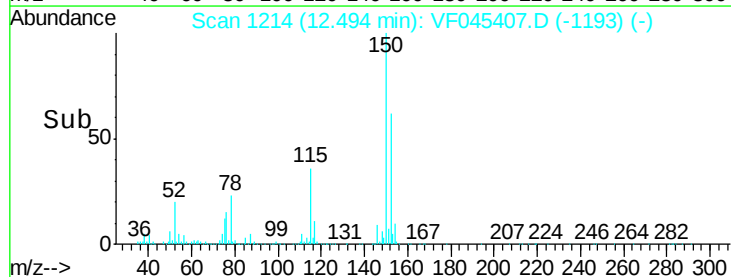
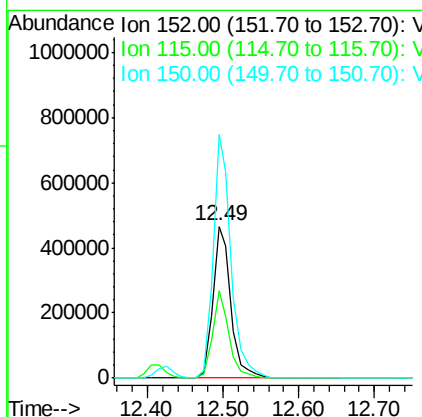
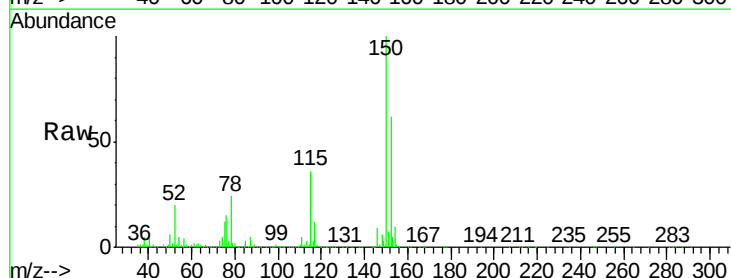
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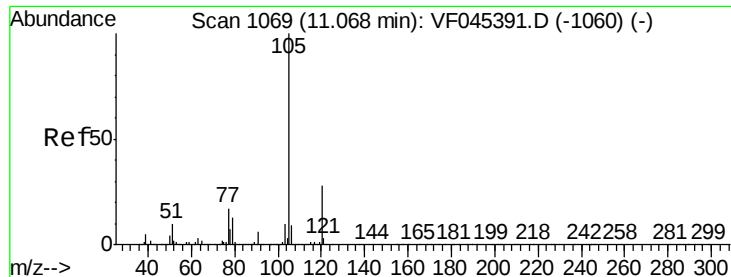
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#71
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.49 min Scan# 1214
Delta R.T. 0.01 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.3	85.0
150	160.2	0.0	324.2





#72

Isopropylbenzene

Concen: 22.83 ug/l

RT: 11.08 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF0917SBS01

Tot Ion: 105 Resp: 1187994

Ion Ratio Lower Upper

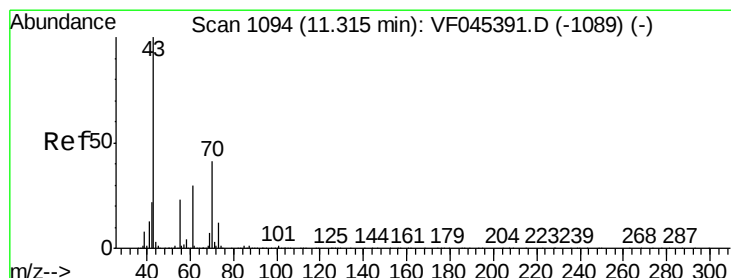
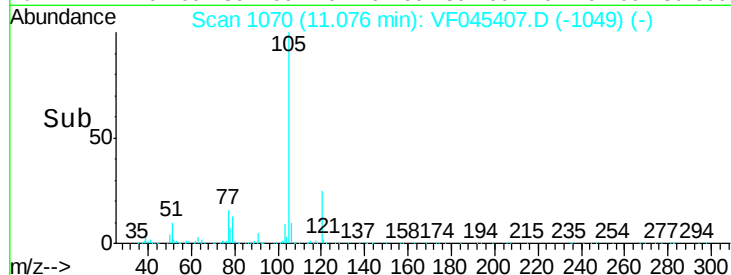
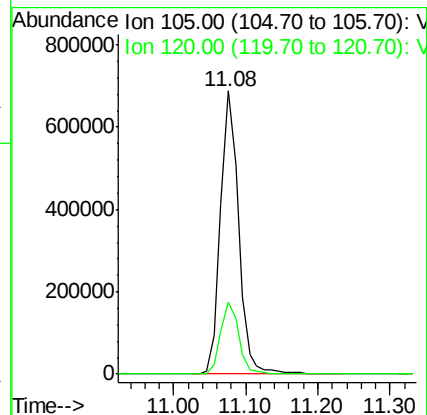
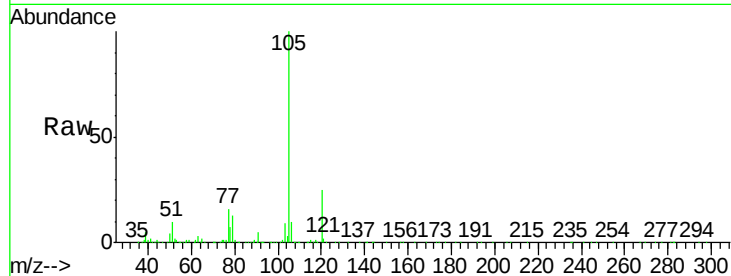
105 100

120 25.4 13.0 39.0

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#73

N-ethyl acetate

Concen: 22.26 ug/l

RT: 11.33 min Scan# 1096

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Tgt Ion: 43 Resp: 321020

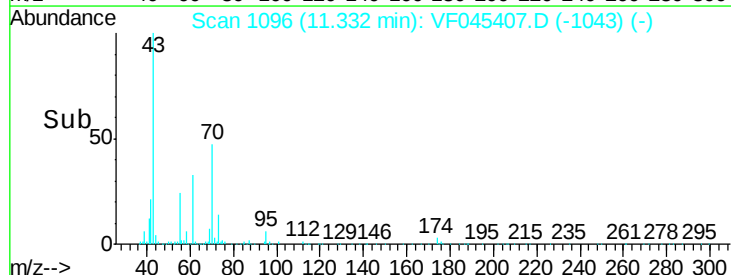
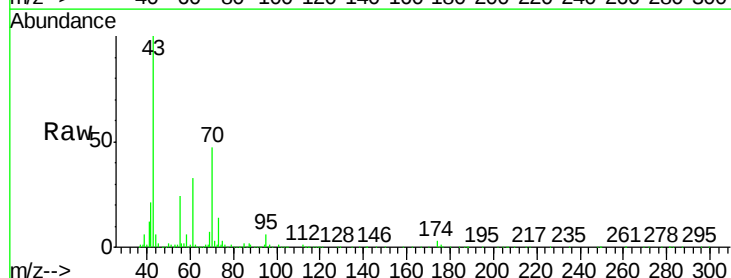
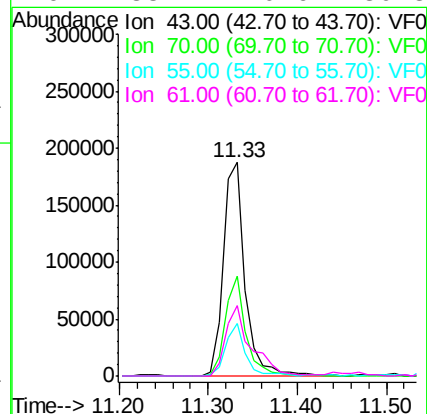
Ion Ratio Lower Upper

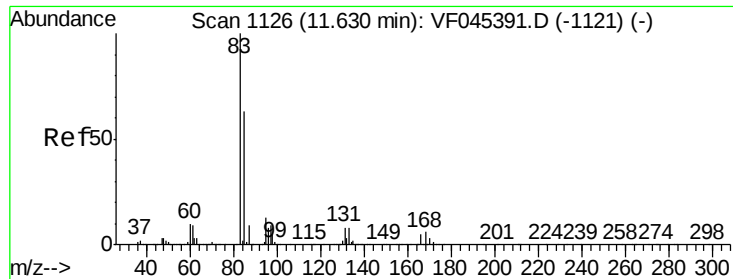
43 100

70 46.9 30.0 45.0#

55 24.5 16.8 25.2

61 33.1 20.6 30.8#





#74

1,1,2,2-Tetrachloroethane

Concen: 21.02 ug/l

RT: 11.65 min Scan# 1128

Delta R.T. 0.02 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

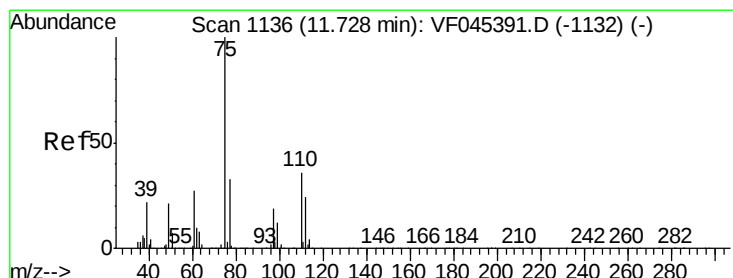
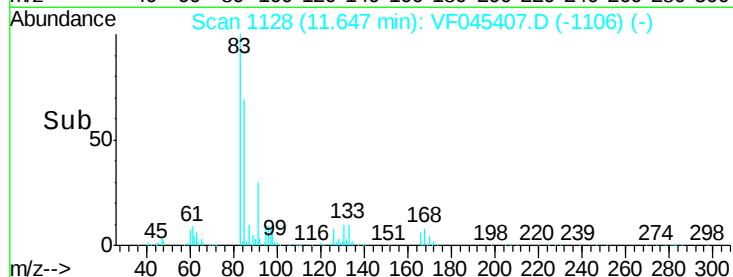
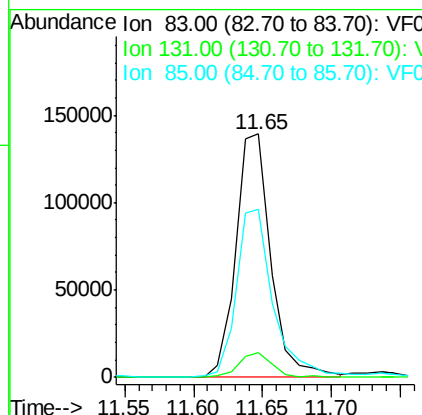
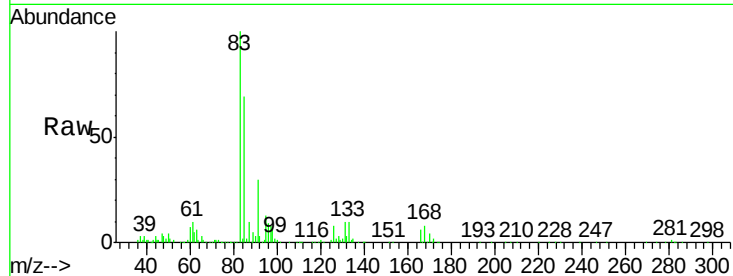
ClientSampleId :

VF0917SBS01

Tot Ion:	83	Resp:	247849
Ion Ratio	Lower	Upper	
83	100		
131	10.3	4.2	12.6
85	69.1	32.5	97.5

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#75

1,2,3-Trichloropropane

Concen: 21.94 ug/l

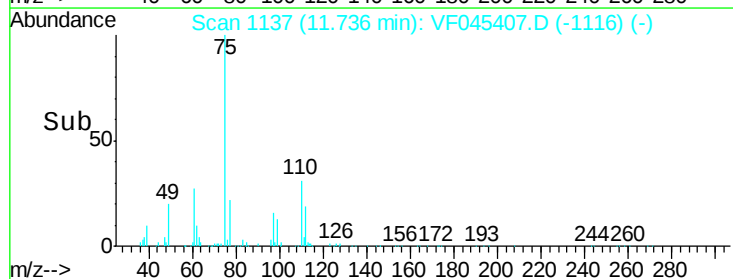
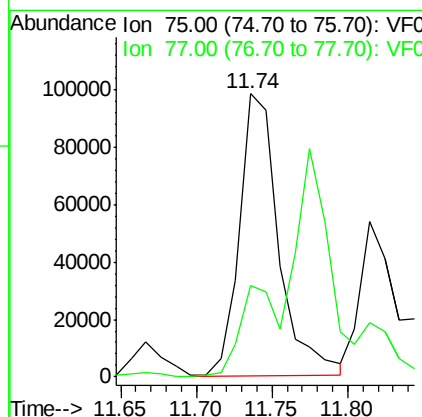
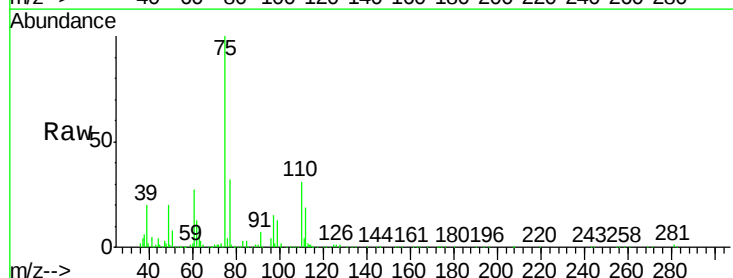
RT: 11.74 min Scan# 1137

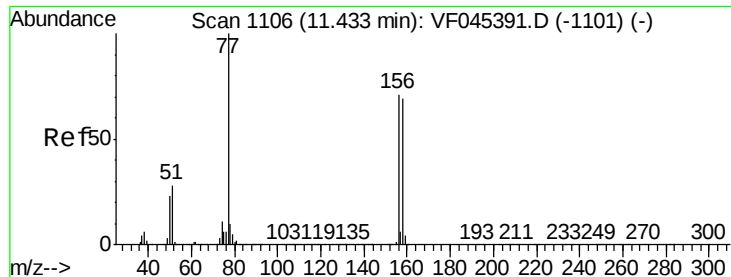
Delta R.T. 0.01 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Tgt Ion:	75	Resp:	177921
Ion Ratio	Lower	Upper	
75	100		
77	32.4	15.0	45.1





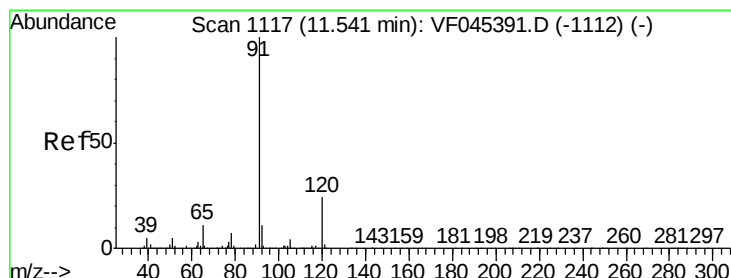
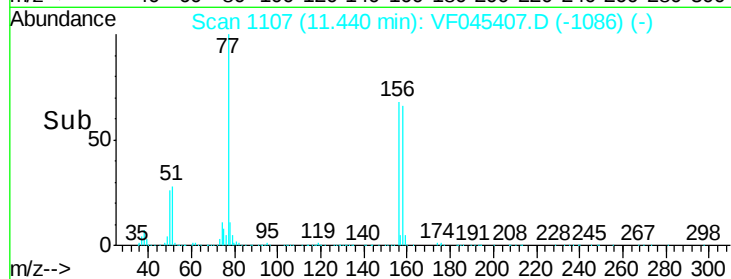
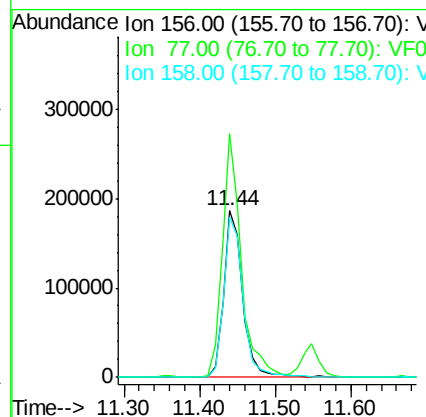
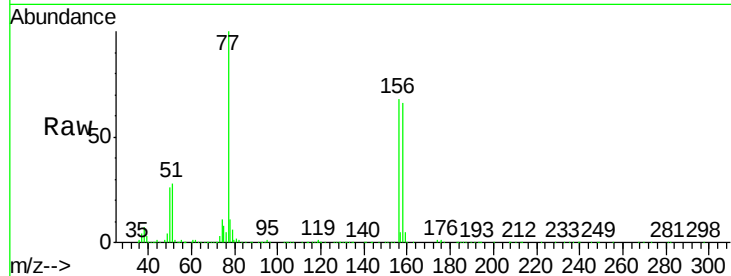
#76
Bromobenzene
Concen: 22.09 ug/l
RT: 11.44 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Instrument :
MSVOA_F
ClientSampleId :
VF0917SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	146.0	74.8	224.3
158	96.1	49.5	148.7

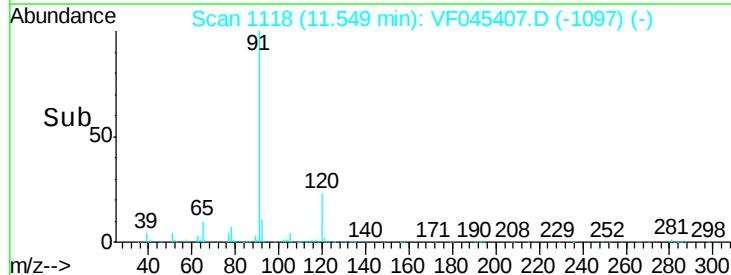
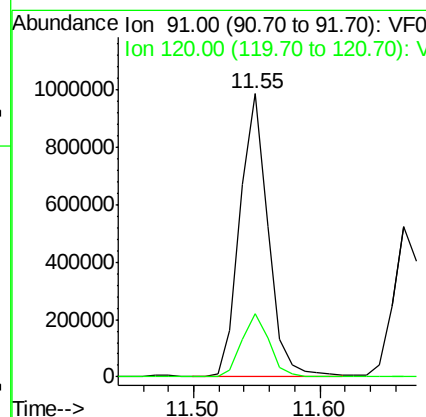
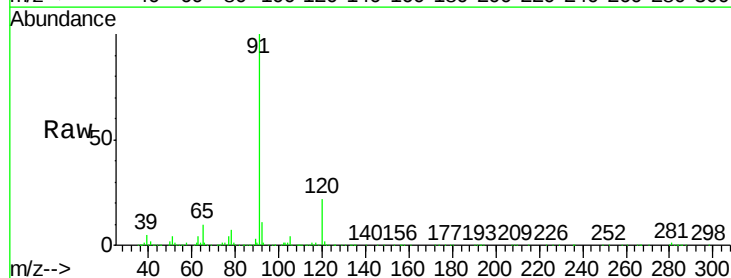
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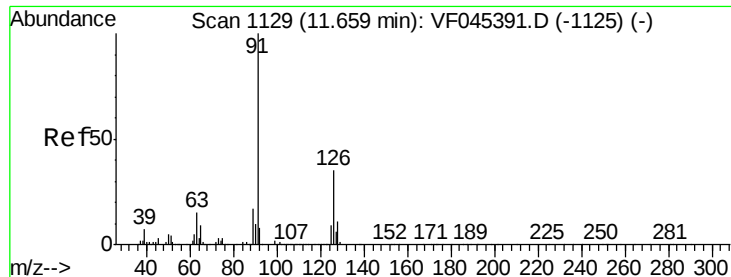
MMDadoda
9/18/2015 12:28:51 PM



#77
n-propylbenzene
Concen: 23.45 ug/l
RT: 11.55 min Scan# 1118
Delta R.T. 0.01 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.6	34.7





#78

2-Chlorotoluene

Concen: 22.67 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. 0.01 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

ClientSampleId :

VF0917SBS01

Tot Ion: 91 Resp: 819211

Ion Ratio Lower Upper

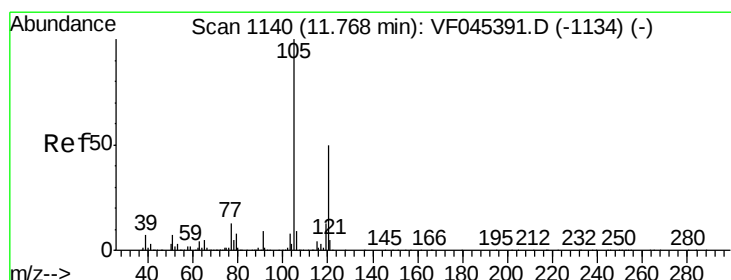
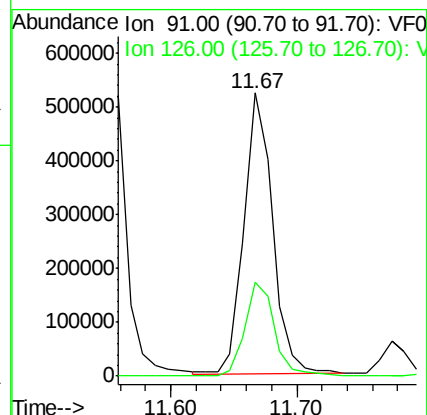
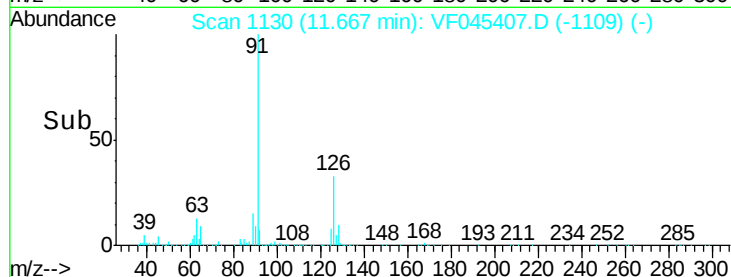
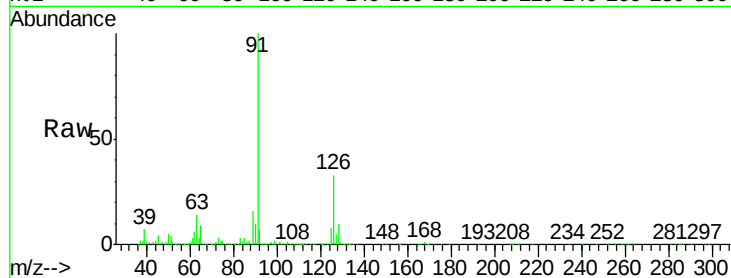
91 100

126 33.1 16.9 50.7

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9/18/2015 12:28:51 PM



#79

1,3,5-Trimethylbenzene

Concen: 22.41 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF045407.D

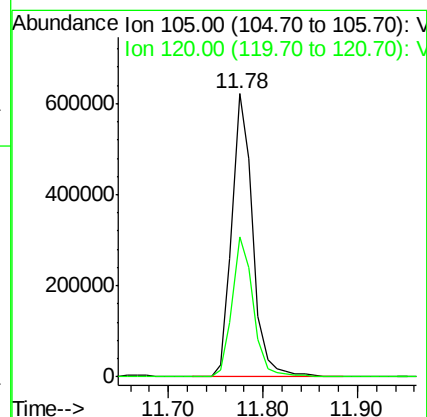
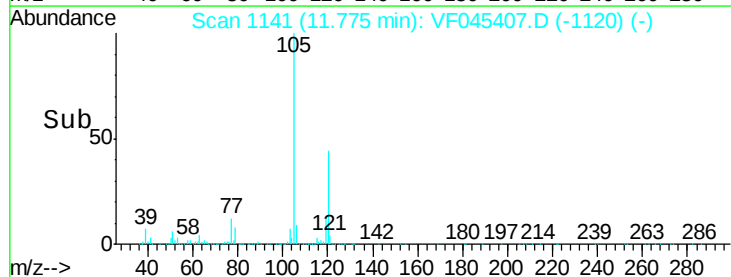
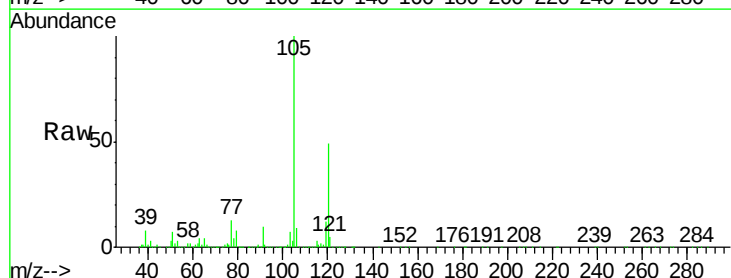
Acq: 17 Sep 2015 15:33

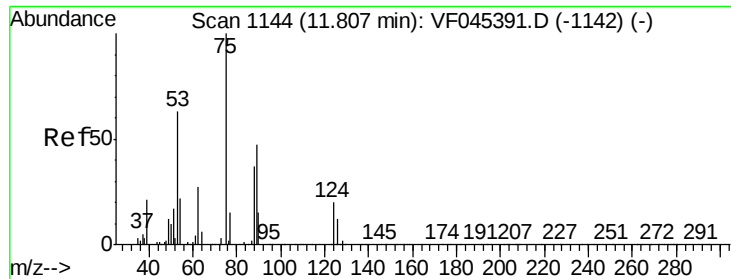
Tgt Ion: 105 Resp: 950252

Ion Ratio Lower Upper

105 100

120 49.5 25.2 75.6





#80

trans-1,4-Dichloro-2-butene

Concen: 20.72 ug/l m

RT: 11.81 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

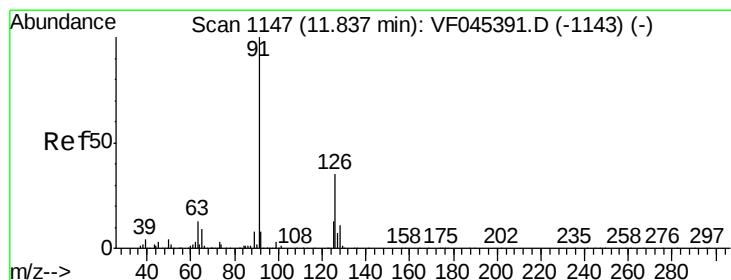
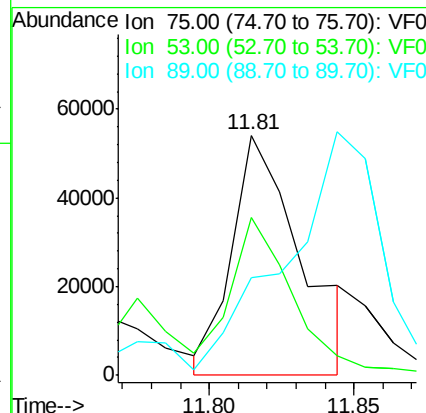
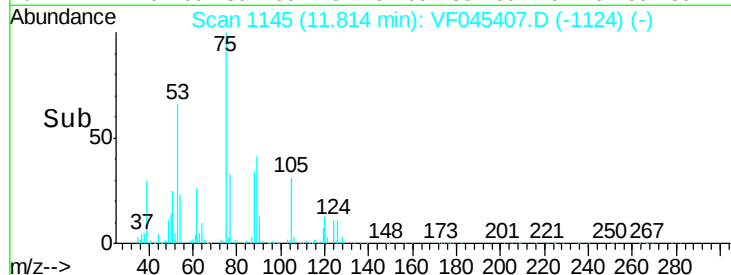
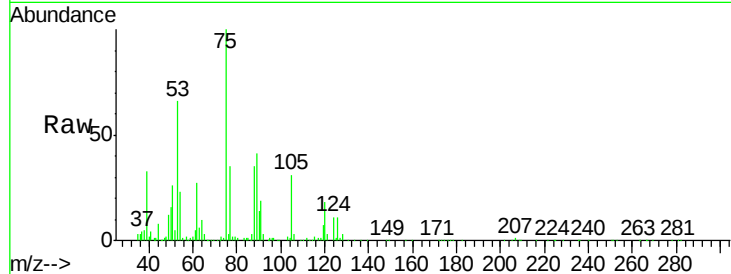
ClientSampleId :

VF0917SBS01

Tot Ion:	75	Resp:	89974
Ion Ratio	Lower	Upper	
75	100		
53	65.7	51.0	76.6
89	40.7	38.6	57.8

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#81

4-Chlorotoluene

Concen: 22.43 ug/l

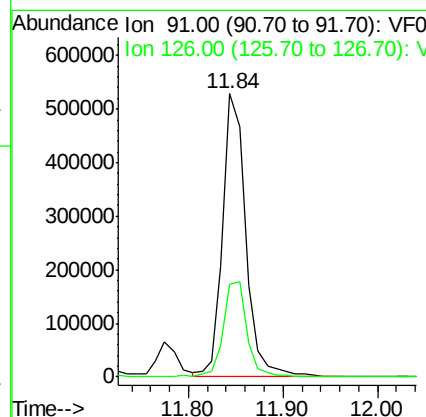
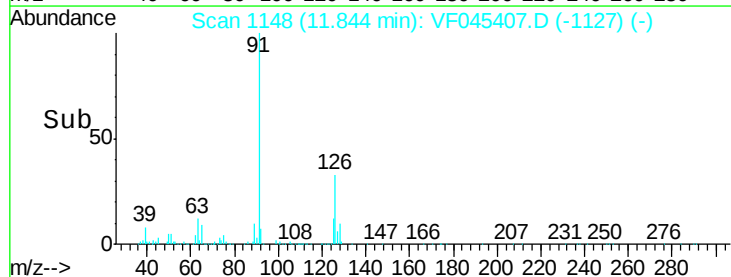
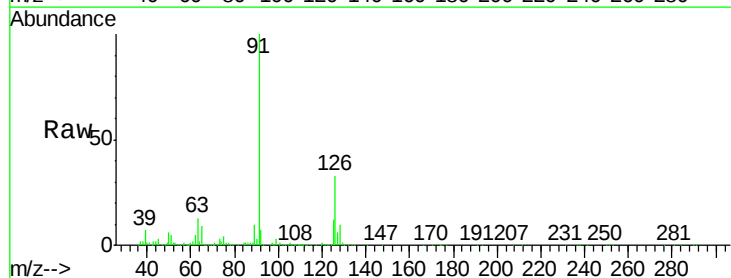
RT: 11.84 min Scan# 1148

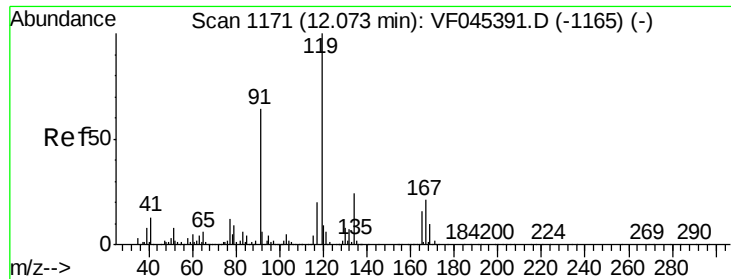
Delta R.T. 0.01 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Tgt Ion:	91	Resp:	895593
Ion Ratio	Lower	Upper	
91	100		
126	32.6	15.8	47.4





#82

tert-Butylbenzene

Concen: 22.82 ug/l

RT: 12.08 min Scan# 1172

Delta R.T. 0.01 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

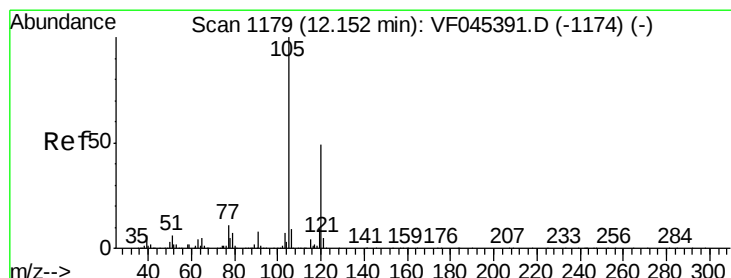
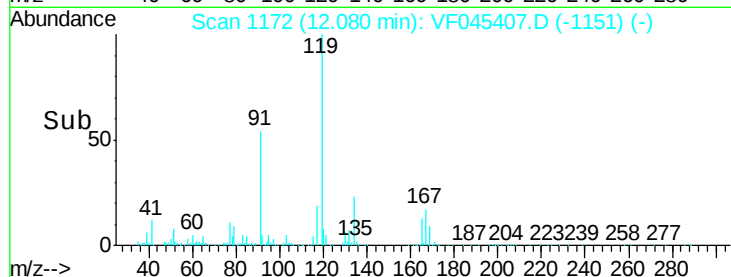
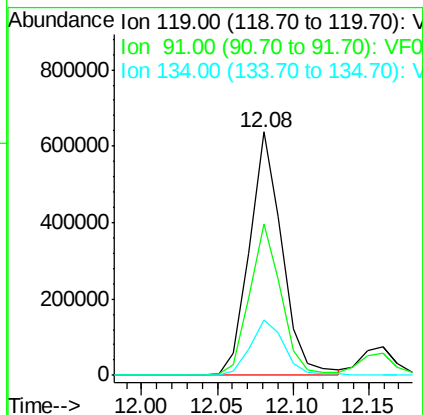
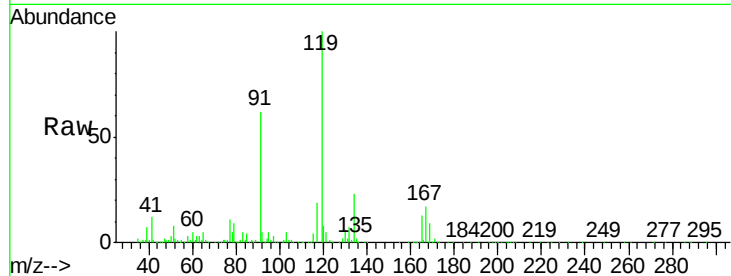
ClientSampleId :

VF0917SBS01

Tot Ion:	119	Resp:	956885
Ion Ratio	Lower	Upper	
119	100		
91	62.0	31.1	93.2
134	22.8	12.2	36.6

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#83

1,2,4-Trimethylbenzene

Concen: 22.15 ug/l

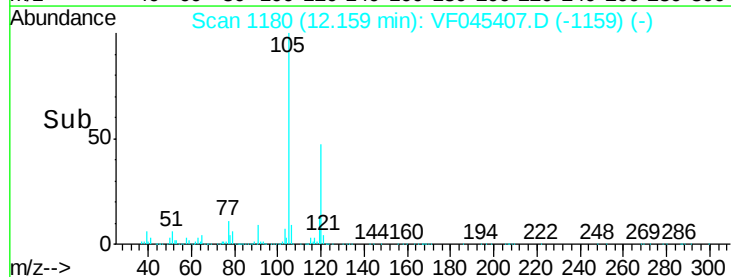
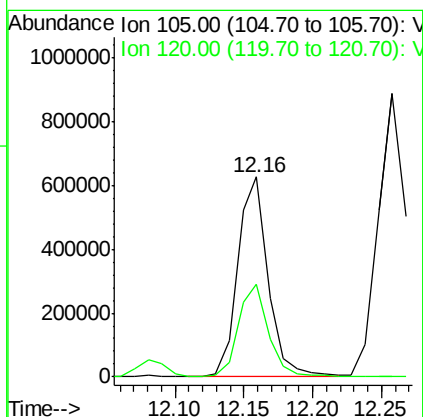
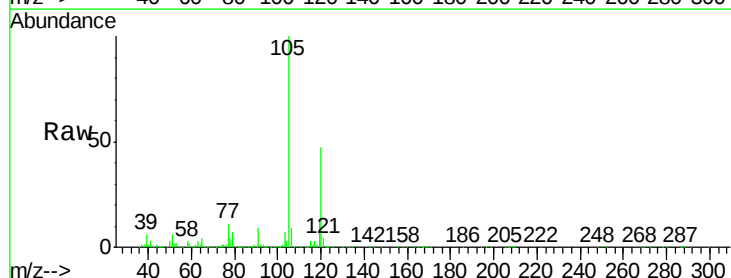
RT: 12.16 min Scan# 1180

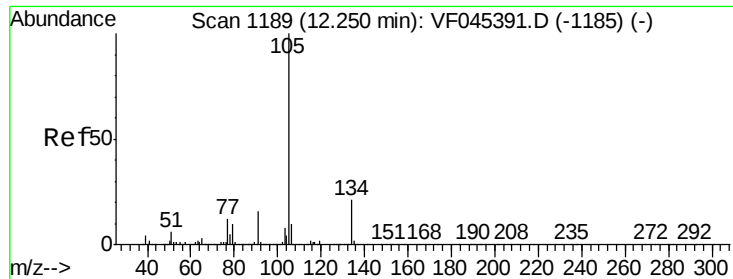
Delta R.T. 0.01 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Tgt Ion:	105	Resp:	962839
Ion Ratio	Lower	Upper	
105	100		
120	46.5	22.9	68.7





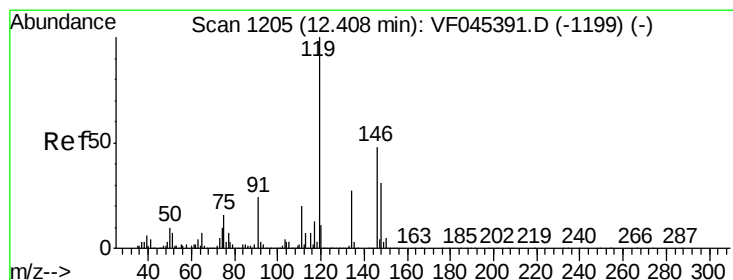
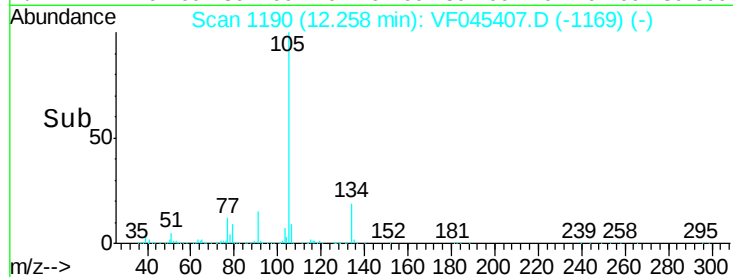
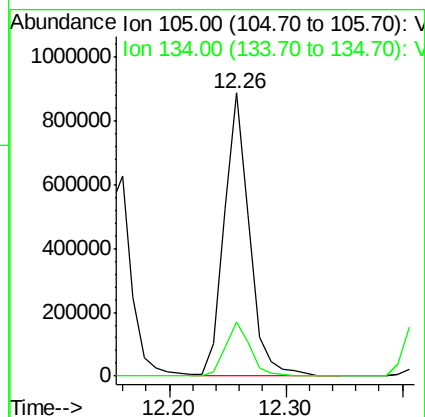
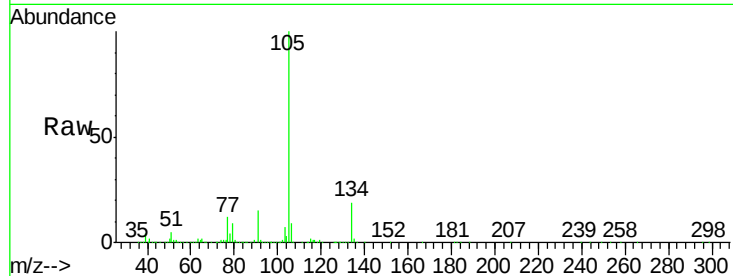
#84
 sec-Butylbenzene
 Concen: 22.64 ug/l
 RT: 12.26 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VF045407.D
 Acq: 17 Sep 2015 15:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0917SBS01

Tot Ion:105 Resp: 1319725
 Ion Ratio Lower Upper
 105 100
 134 19.2 10.5 31.6

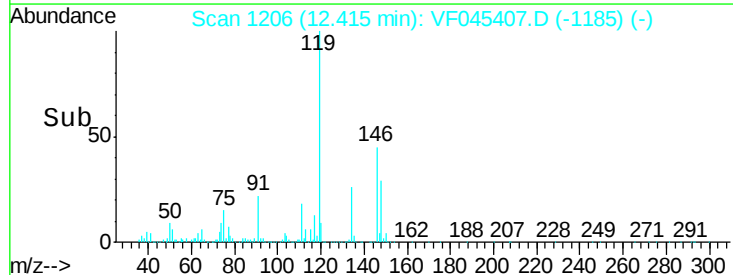
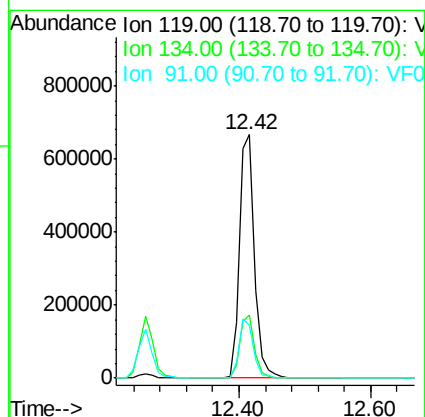
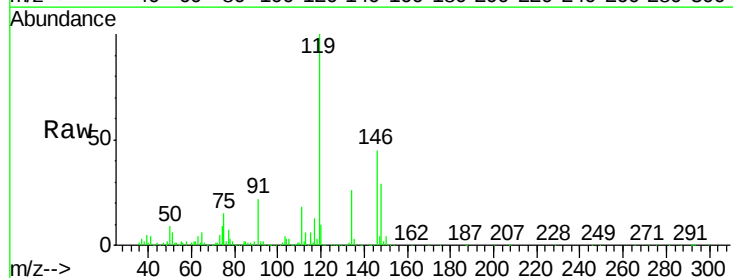
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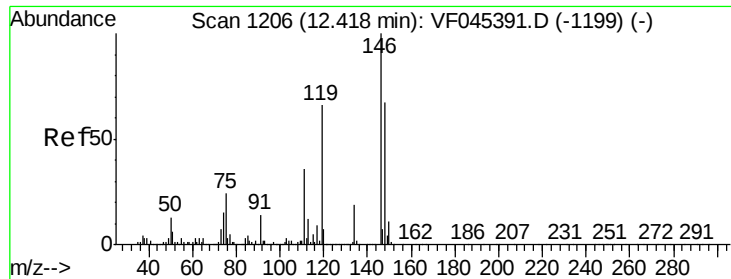
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#85
 p-Isopropyltoluene
 Concen: 23.46 ug/l
 RT: 12.42 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VF045407.D
 Acq: 17 Sep 2015 15:33

Tgt Ion:119 Resp: 1064618
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.0 38.9
 91 21.8 12.2 36.6





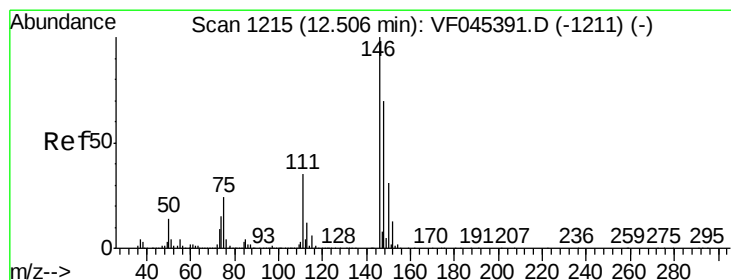
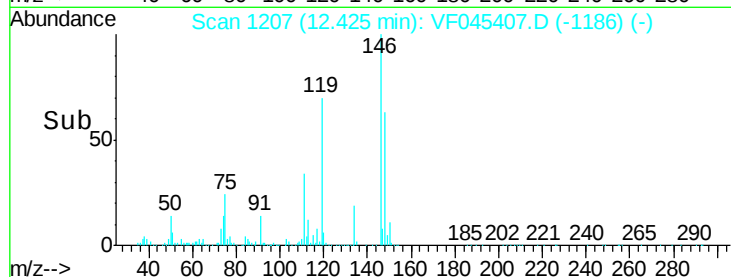
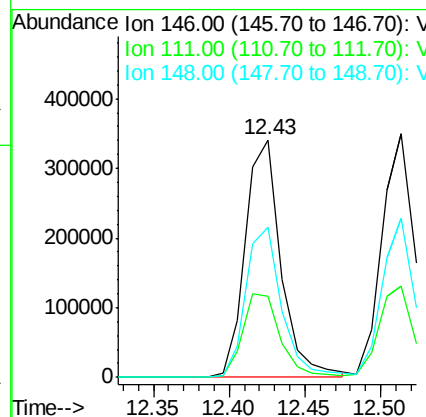
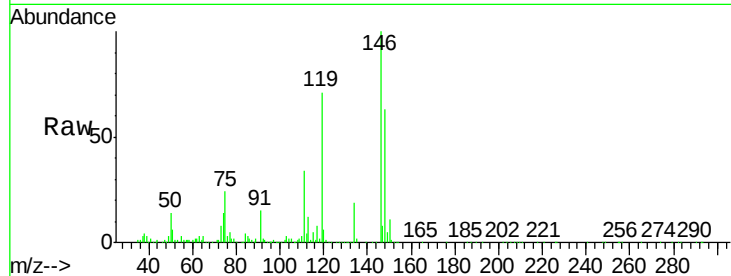
#86
 1,3-Dichlorobenzene
 Concen: 22.40 ug/l
 RT: 12.43 min Scan# 1207
 Delta R.T. 0.01 min
 Lab File: VF045407.D
 Acq: 17 Sep 2015 15:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0917SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.3	19.9	59.7
148	63.1	32.5	97.4

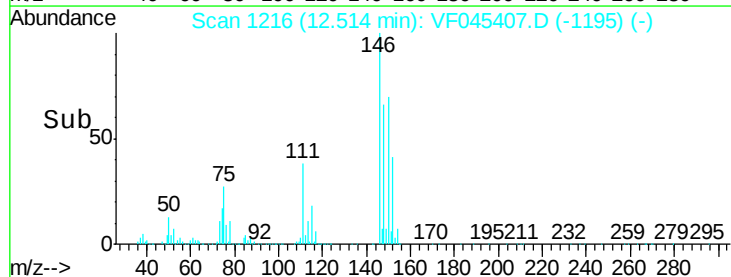
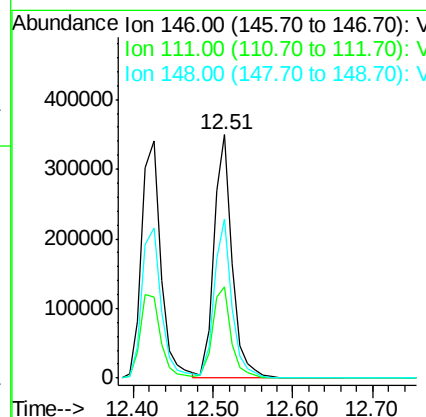
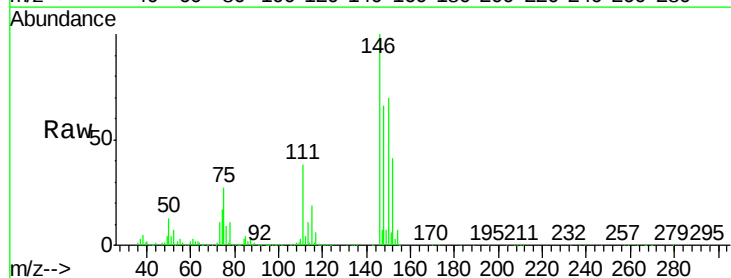
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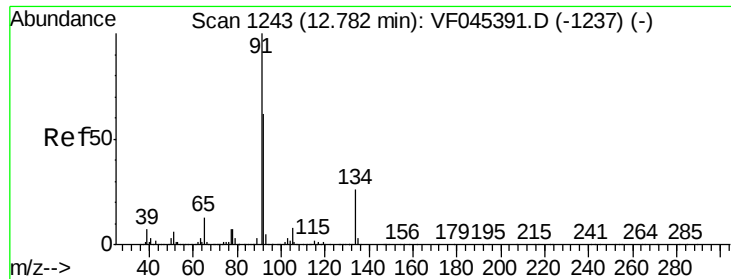
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#87
 1,4-Dichlorobenzene
 Concen: 22.25 ug/l
 RT: 12.51 min Scan# 1216
 Delta R.T. 0.01 min
 Lab File: VF045407.D
 Acq: 17 Sep 2015 15:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	17.3	52.0
148	65.6	32.4	97.0





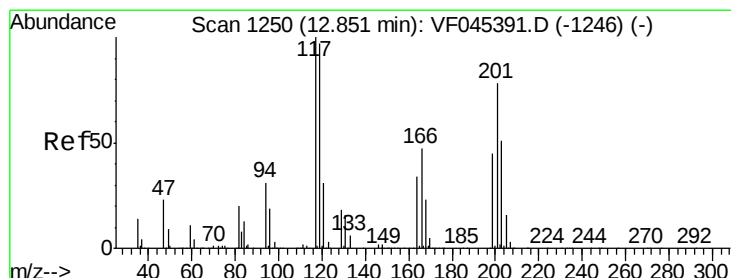
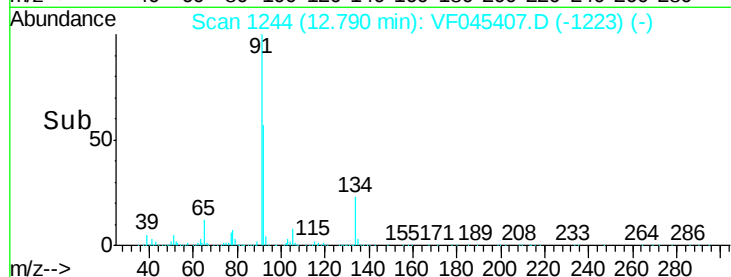
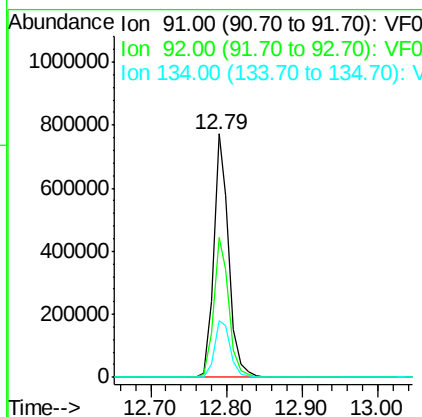
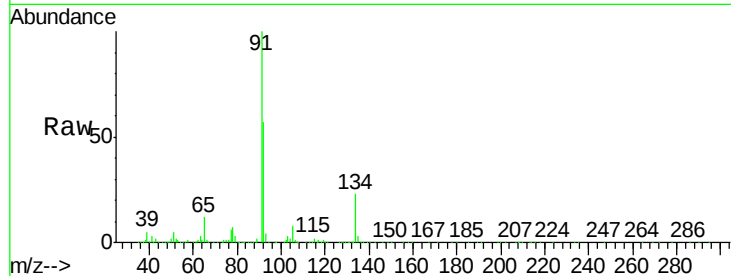
#88
n-Butylbenzene
Concen: 23.63 ug/l
RT: 12.79 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Instrument :
MSVOA_F
ClientSampleId :
VF0917SBS01

Tot Ion: 91 Resp: 1077953
Ion Ratio Lower Upper
91 100
92 57.4 30.1 90.5
134 23.4 13.8 41.4

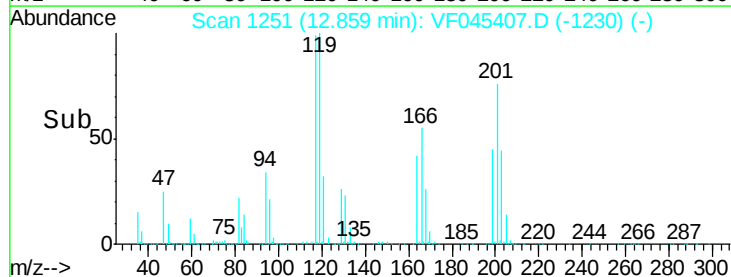
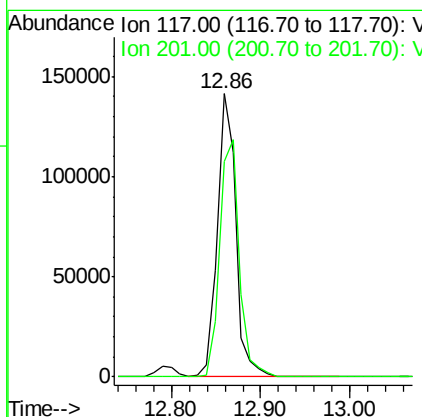
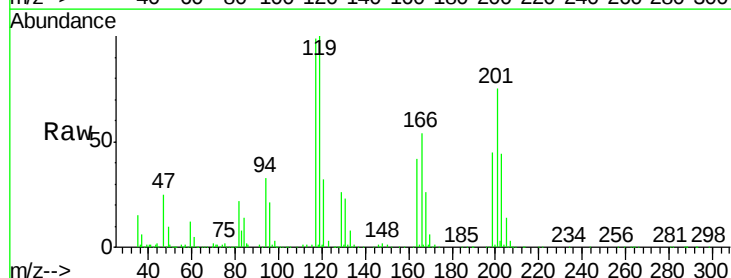
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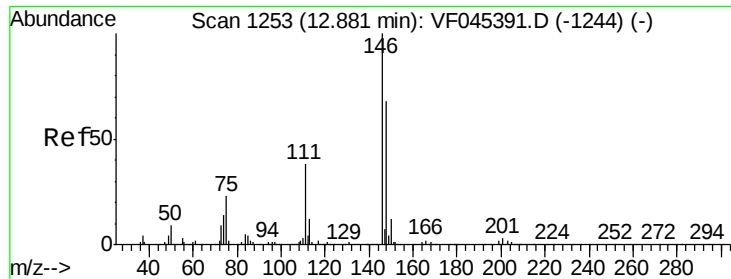
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#89
Hexachloroethane
Concen: 19.19 ug/l
RT: 12.86 min Scan# 1251
Delta R.T. 0.01 min
Lab File: VF045407.D
Acq: 17 Sep 2015 15:33

Tgt Ion: 117 Resp: 206164
Ion Ratio Lower Upper
117 100
201 76.2 42.0 126.1





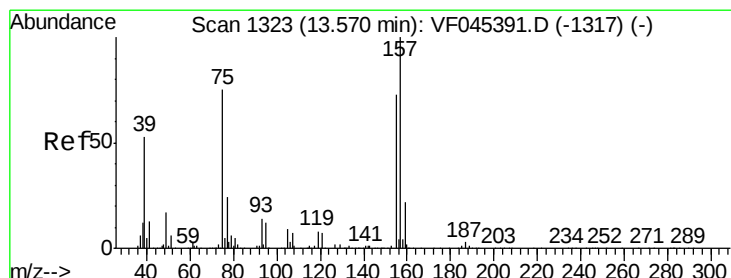
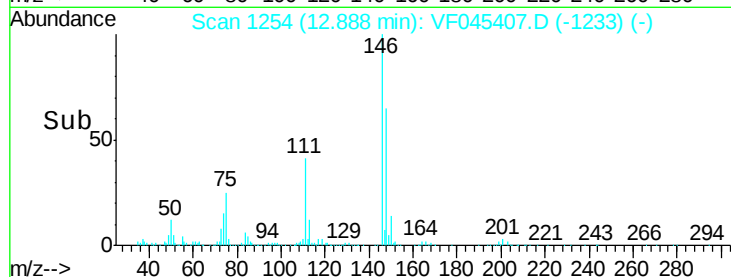
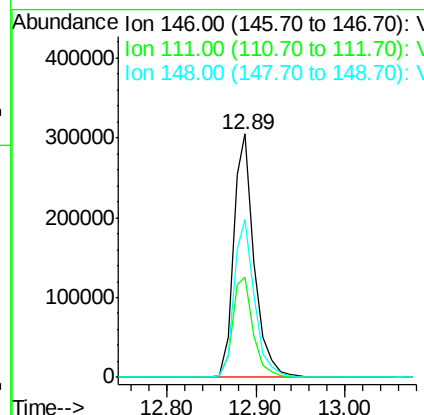
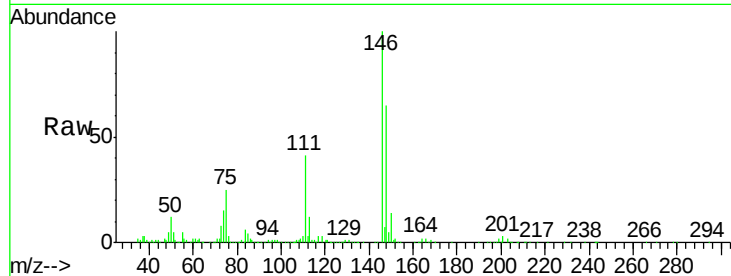
#90
 1,2-Dichlorobenzene
 Concen: 21.49 ug/l
 RT: 12.89 min Scan# 1254
 Delta R.T. 0.01 min
 Lab File: VF045407.D
 Acq: 17 Sep 2015 15:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0917SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.4	64.3
148	65.0	31.4	94.3

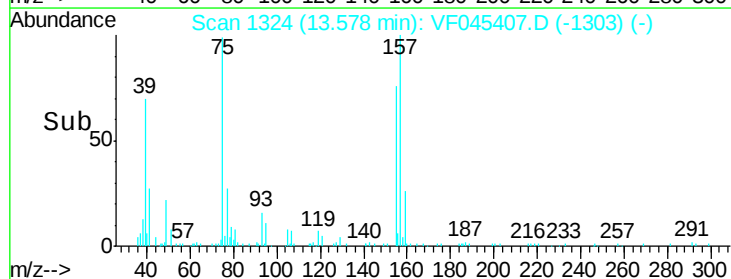
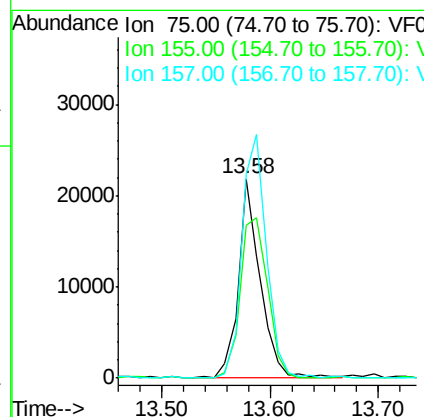
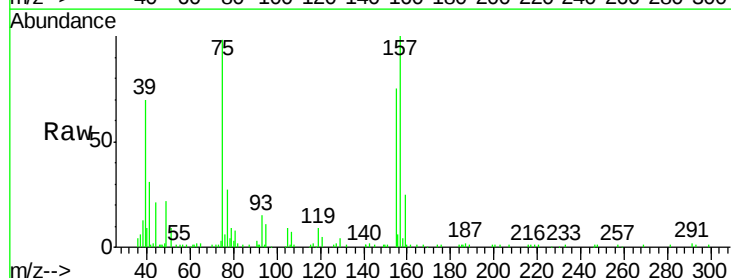
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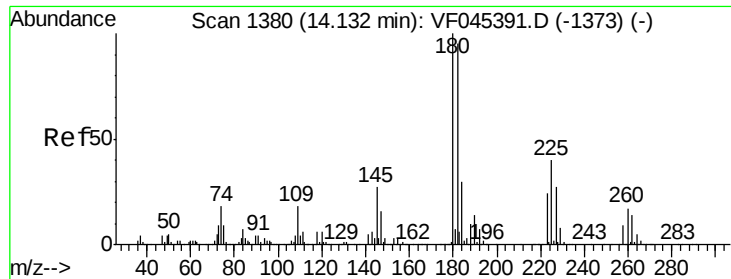
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#91
 1,2-Dibromo-3-Chloropropane
 Concen: 19.72 ug/l
 RT: 13.58 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VF045407.D
 Acq: 17 Sep 2015 15:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.9	49.2	147.6
157	102.1	66.8	200.4





#92

1,2,4-Trichlorobenzene

Concen: 20.14 ug/l

RT: 14.14 min Scan# 1381

Delta R.T. 0.01 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

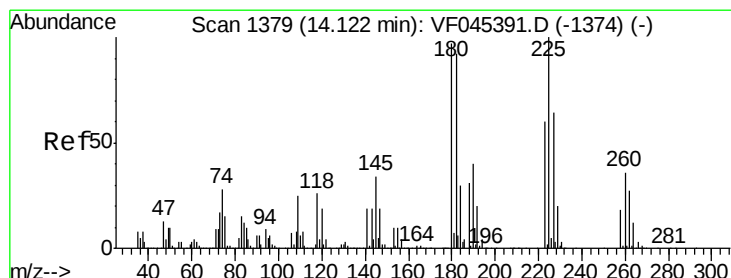
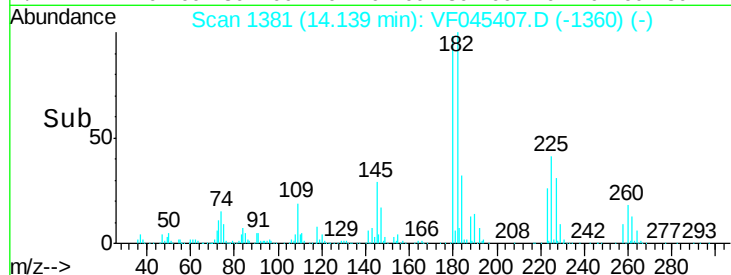
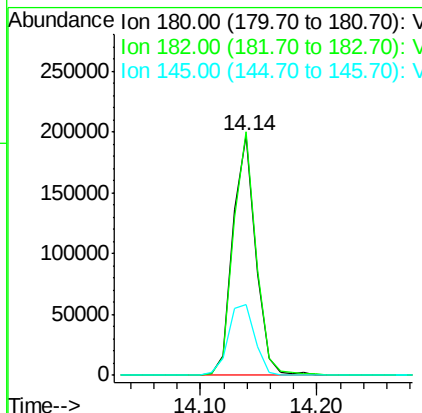
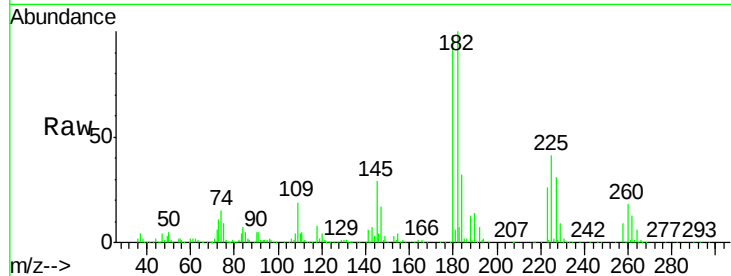
ClientSampleId :

VF0917SBS01

Tot Ion:	180	Resp:	268917
Ion Ratio	Lower	Upper	
180	100		
182	101.6	49.4	148.0
145	29.6	16.7	50.1

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9/18/2015 12:28:51 PM



#93

Hexachlorobutadiene

Concen: 16.96 ug/l

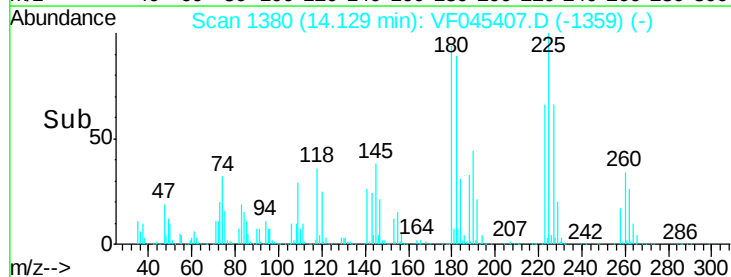
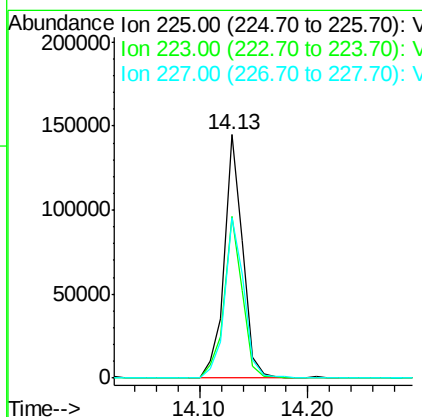
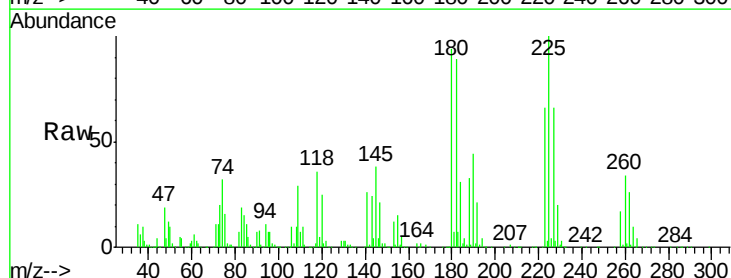
RT: 14.13 min Scan# 1380

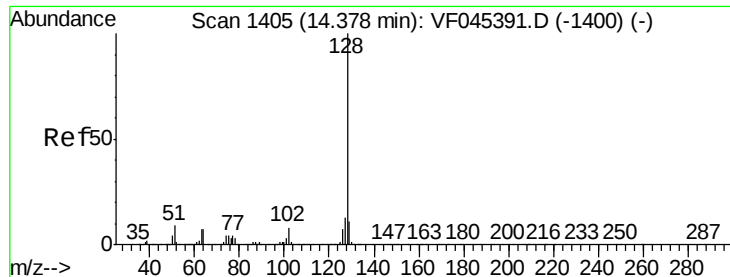
Delta R.T. 0.01 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Tgt Ion:	225	Resp:	171992
Ion Ratio	Lower	Upper	
225	100		
223	66.4	31.9	95.5
227	66.1	32.9	98.7





#94

Naphthalene

Concen: 20.06 ug/l

RT: 14.39 min Scan# 1406

Delta R.T. 0.01 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Instrument :

MSVOA_F

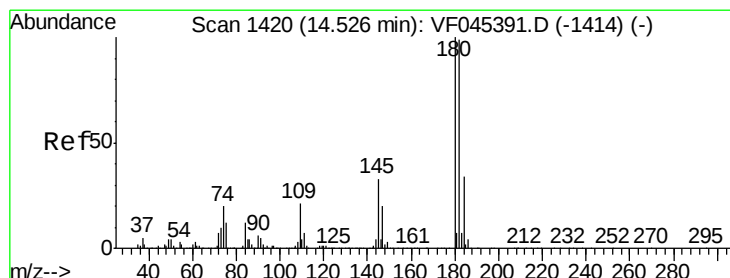
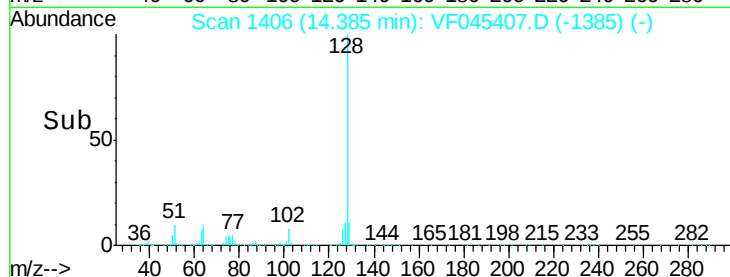
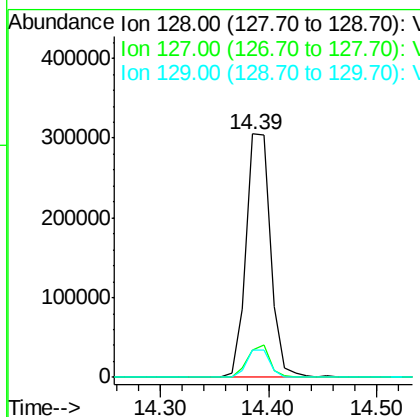
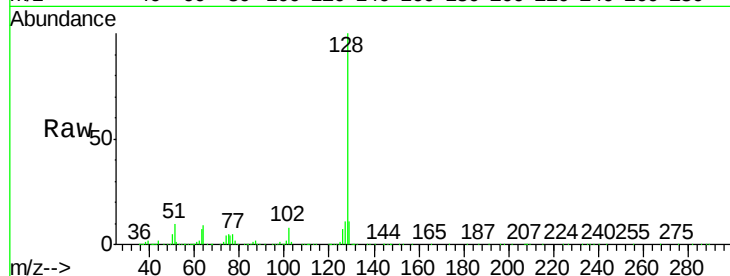
ClientSampleId :

VF0917SBS01

Tot Ion:	128	Resp:	479573
Ion Ratio		Lower	Upper
128	100		
127	11.2	9.8	14.8
129	11.3	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/18/2015 12:28:51 PM



#95

1,2,3-Trichlorobenzene

Concen: 21.20 ug/l

RT: 14.53 min Scan# 1421

Delta R.T. 0.01 min

Lab File: VF045407.D

Acq: 17 Sep 2015 15:33

Tgt Ion:	180	Resp:	232541
Ion Ratio		Lower	Upper
180	100		
182	103.7	47.6	142.8
145	29.9	14.5	43.6

