

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091615\
 Data File : VF045391.D
 Acq On : 16 Sep 2015 14:40
 Operator : FY/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 9/17/2015 12:50:50 PM

Quant Time: Sep 16 15:33:26 2015
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F091615S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 15:28:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.80	168	1065904	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	5.53	114	1601896	50.00	ug/l	0.00
62) Chlorobenzene-d5	9.70	117	1596581	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	12.49	152	936591	50.00	ug/l	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.76	65	598714	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	
34) Dibromofluoromethane	4.03	113	631883	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
49) Toluene-d8	7.49	98	1876668	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
61) 4-Bromofluorobenzene	11.34	95	916181	54.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.92	85	461560	53.35	ug/l	95
3) Chloromethane	1.02	50	416027	43.77	ug/l	93
4) Vinyl Chloride	1.08	62	334205	45.58	ug/l	100
5) Bromomethane	1.25	94	216473	60.49	ug/l	99
6) Chloroethane	1.33	64	145576	59.81	ug/l	93
7) Trichlorofluoromethane	1.39	101	723859m	60.69	ug/l	
8) Diethyl Ether	1.58	74	161016	53.54	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.77	101	413339	54.07	ug/l	97
10) Methyl Iodide	1.80	142	850187	56.65	ug/l	97
11) Tert butyl alcohol	2.49	59	34202	268.19	ug/l #	77
12) 1,1-Dichloroethene	1.70	96	337136	52.79	ug/l	90
13) Acrolein	1.95	56	156923	235.68	ug/l	96
14) Allyl chloride	2.05	41	549526	46.11	ug/l	96
15) Acrylonitrile	2.87	53	344095	222.49	ug/l	95
16) Acetone	2.17	43	801218	291.18	ug/l	99
17) Carbon Disulfide	1.72	76	1164593	54.95	ug/l	98
18) Methyl Acetate	2.29	43	578890	45.85	ug/l #	91
19) Methyl tert-butyl Ether	2.37	73	275462	55.18	ug/l	99
20) Methylene Chloride	2.12	84	363393	50.38	ug/l	94
21) trans-1,2-Dichloroethene	2.25	96	379978	51.36	ug/l	95
22) Diisopropyl ether	2.73	45	1179619	45.25	ug/l	94
23) Vinyl Acetate	3.12	43	1752590	220.27	ug/l	97
24) 1,1-Dichloroethane	2.80	63	771705	49.69	ug/l	98
25) 2-Butanone	4.24	43	1060406	224.71	ug/l	96
26) 2,2-Dichloropropane	3.52	77	686747	50.87	ug/l	96
27) cis-1,2-Dichloroethene	3.40	96	612106	52.36	ug/l	100
28) Bromochloromethane	3.64	49	283476	34.88	ug/l #	95
29) Chloroform	3.78	83	1084344	52.67	ug/l	97
30) Cyclohexane	3.63	56	695372	42.84	ug/l	95
31) 1,1,1-Trichloroethane	4.03	97	884761	55.45	ug/l	94
35) 1,1-Dichloropropene	4.20	75	784686	51.46	ug/l	100
36) Ethyl Acetate	4.04	43	435549	47.56	ug/l #	78
37) Carbon Tetrachloride	3.92	117	816339	62.31	ug/l	96
38) Methylcyclohexane	5.39	83	798124	48.46	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.56	78	1784021	46.66	ug/l	97
40) Methacrylonitrile	4.67	41	204780	47.21	ug/l #	91
41) 1,2-Dichloroethane	4.86	62	775575	60.39	ug/l	97
42) Isopropyl Acetate	6.89	43	580998	46.91	ug/l #	100
43) Trichloroethene	5.43	130	612362	55.76	ug/l	97
44) 1,2-Dichloropropane	6.16	63	561762	48.80	ug/l	97
45) Dibromomethane	6.02	93	407674	56.95	ug/l	95
46) Bromodichloromethane	6.31	83	897304	59.20	ug/l	97
47) Methyl methacrylate	6.66	41	346072	47.91	ug/l	89
48) 1,4-Dioxane	6.64	88	78771	1071.75	ug/l #	81
50) 4-Methyl-2-Pentanone	8.19	43	2051139	229.94	ug/l	98
51) Toluene	7.56	92	1393790	53.20	ug/l	99
52) t-1,3-Dichloropropene	8.21	75	813065	55.91	ug/l	93
53) cis-1,3-Dichloropropene	7.24	75	926495	52.15	ug/l	99
54) 1,1,2-Trichloroethane	8.42	97	498092	54.86	ug/l	99
55) Ethyl methacrylate	8.56	69	685668	54.21	ug/l	96
56) 1,3-Dichloropropane	8.78	76	812809	51.70	ug/l	99
58) 2-Hexanone	9.42	43	1656811	234.28	ug/l	97
59) Dibromochloromethane	8.65	129	719516	62.80	ug/l	95
60) 1,2-Dibromoethane	8.91	107	594359	58.17	ug/l	98
63) Tetrachloroethene	8.09	164	619950	56.71	ug/l	98
64) Chlorobenzene	9.73	112	1707884	52.09	ug/l	99
65) 1,1,1,2-Tetrachloroethane	9.86	131	616122	54.71	ug/l	97
66) Ethyl Benzene	9.83	91	2814064	48.32	ug/l	97
67) m/p-Xylenes	10.06	106	2007292	99.44	ug/l	96
68) o-Xylene	10.64	106	1029776	48.71	ug/l	97
69) Styrene	10.72	104	1691010	49.89	ug/l	97
70) Bromoform	10.70	173	483913	60.69	ug/l	97
72) Isopropylbenzene	11.07	105	3035508	44.28	ug/l	95
73) N-amyl acetate	11.31	43	964753	40.72	ug/l	93
74) 1,1,2,2-Tetrachloroethane	11.63	83	734473	44.62	ug/l	98
75) 1,2,3-Trichloropropane	11.73	75	531342	44.85	ug/l	95
76) Bromobenzene	11.43	156	876368	49.67	ug/l	95
77) n-propylbenzene	11.54	91	3587869	40.81	ug/l	99
78) 2-Chlorotoluene	11.66	91	2092779	42.87	ug/l	98
79) 1,3,5-Trimethylbenzene	11.77	105	2488961	45.36	ug/l	99
80) trans-1,4-Dichloro-2-buten	11.81	75	283373m	49.01	ug/l	
81) 4-Chlorotoluene	11.84	91	2289144	43.74	ug/l	95
82) tert-Butylbenzene	12.07	119	2348423	44.26	ug/l	97
83) 1,2,4-Trimethylbenzene	12.15	105	2572473	46.36	ug/l	94
84) sec-Butylbenzene	12.25	105	3331550	45.63	ug/l	99
85) p-Isopropyltoluene	12.41	119	2465334	44.79	ug/l	98
86) 1,3-Dichlorobenzene	12.42	146	1403205	47.57	ug/l	96
87) 1,4-Dichlorobenzene	12.51	146	1489406	50.57	ug/l	95
88) n-Butylbenzene	12.78	91	2631891	44.92	ug/l	98
89) Hexachloroethane	12.85	117	631376	51.92	ug/l	93
90) 1,2-Dichlorobenzene	12.88	146	1360451	50.64	ug/l	93
91) 1,2-Dibromo-3-Chloropropan	13.57	75	106027	54.55	ug/l	100
92) 1,2,4-Trichlorobenzene	14.13	180	835305	57.50	ug/l	94
93) Hexachlorobutadiene	14.12	225	592678	53.09	ug/l	96

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QLast Update : Wed Sep 16 15:28:50 2015
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Naphthalene	14.38	128	1546758	60.39	ug/l	99
95) 1,2,3-Trichlorobenzene	14.53	180	696587	59.46	ug/l	96

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

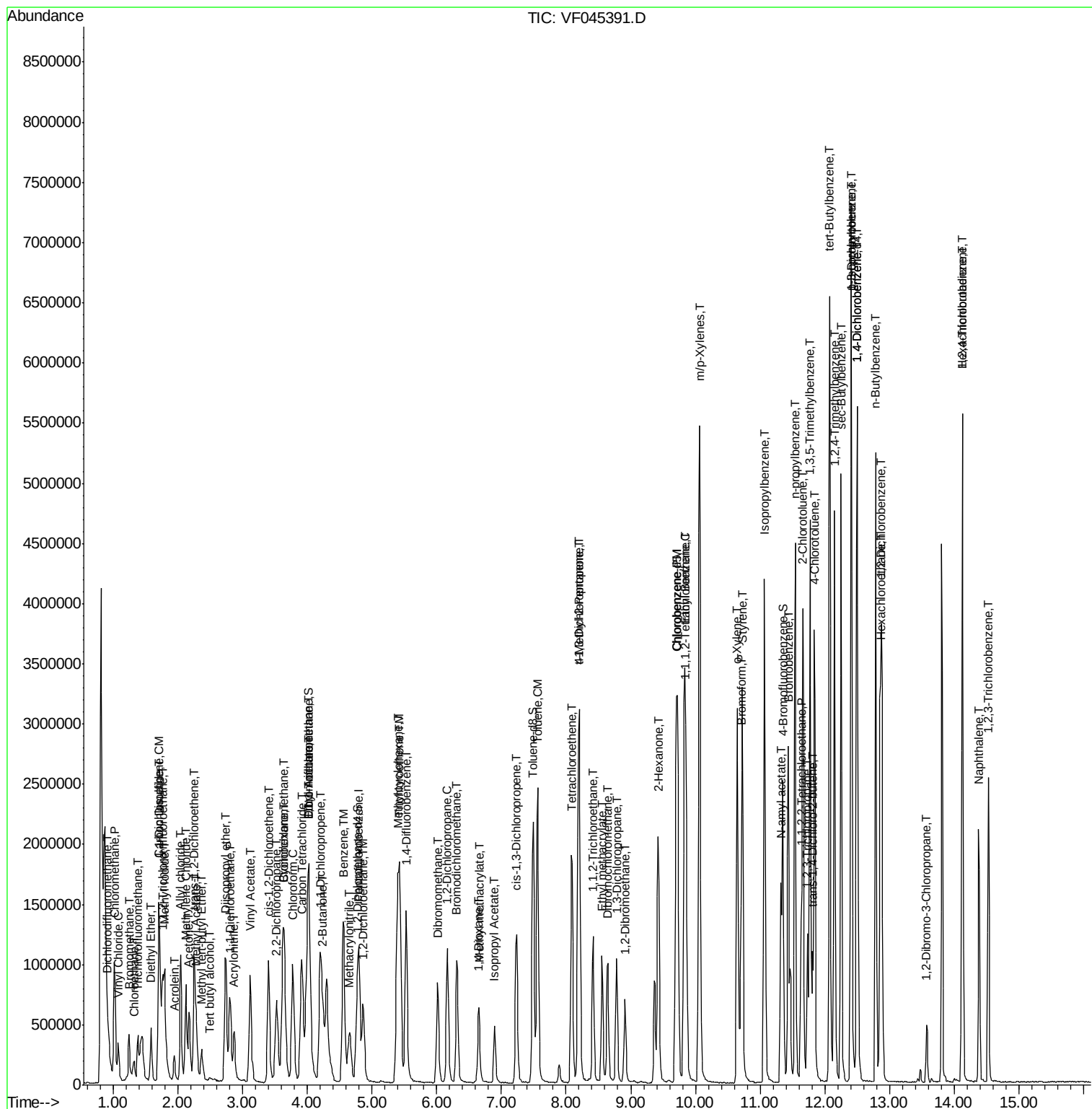
Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091615\
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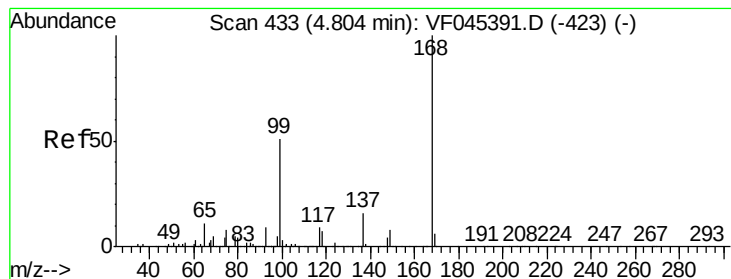
Instrument :
 MSVOA_F
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.80 min Scan# 433

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 1065904

Ion Ratio Lower Upper

168 100

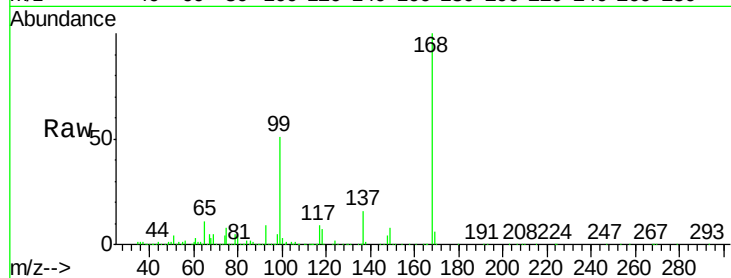
99 51.0 39.0 58.4

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.80

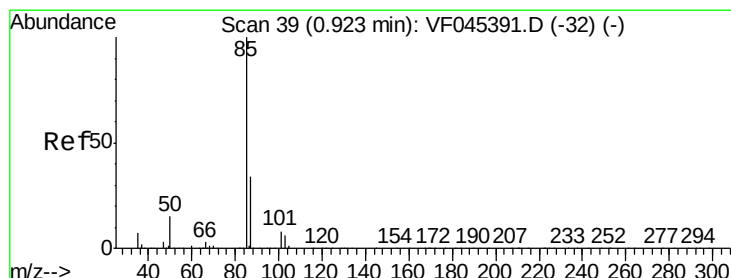
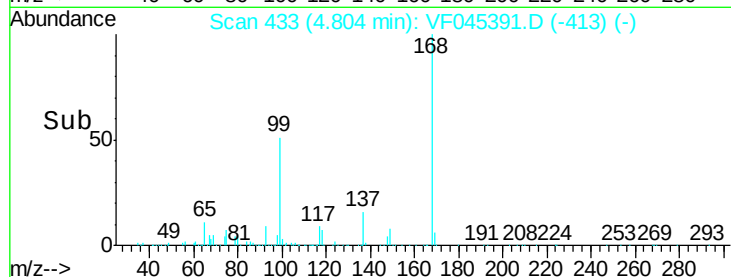
300000

200000

100000

0

Time--> 4.60 4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 53.35 ug/l

RT: 0.92 min Scan# 39

Delta R.T. 0.00 min

Lab File: VF045391.D

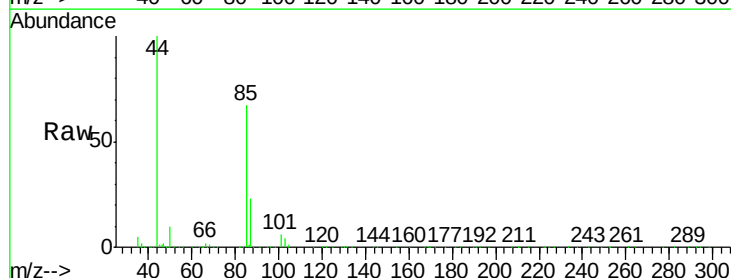
Acq: 16 Sep 2015 14:40

Tgt Ion: 85 Resp: 461560

Ion Ratio Lower Upper

85 100

87 34.0 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.92

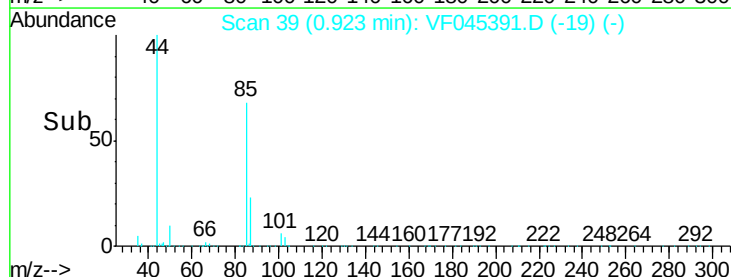
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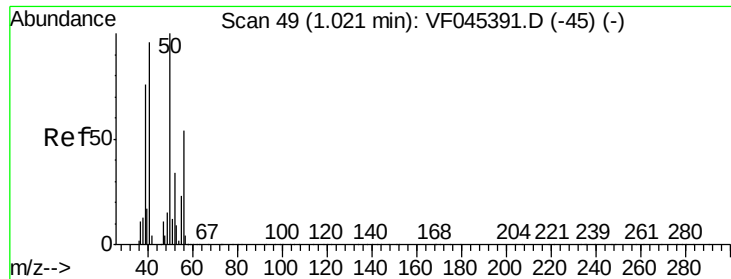
100000

50000

0

Time--> 0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 43.77 ug/l

RT: 1.02 min Scan# 49

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 416027

Ion Ratio Lower Upper

50 100

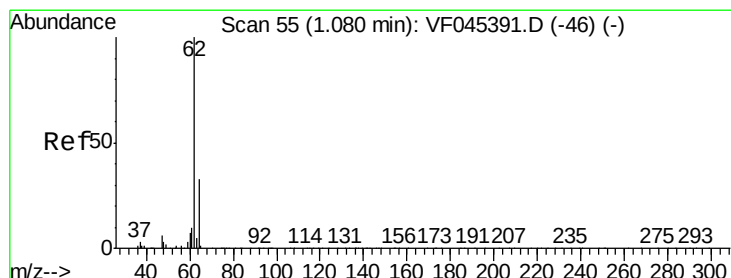
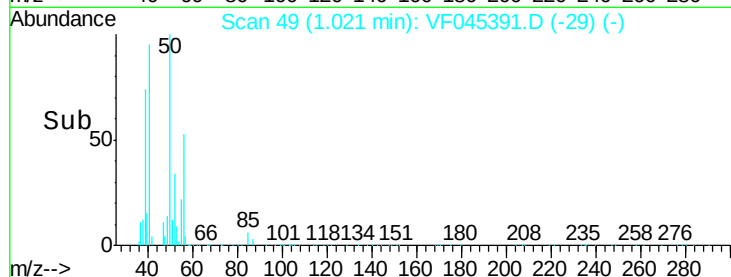
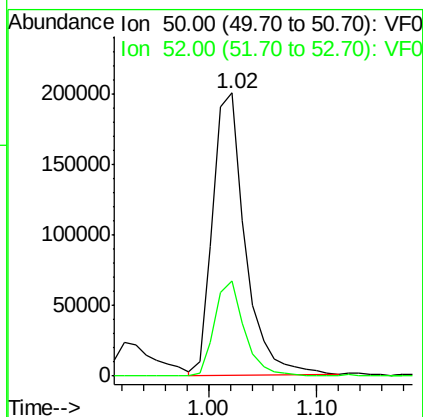
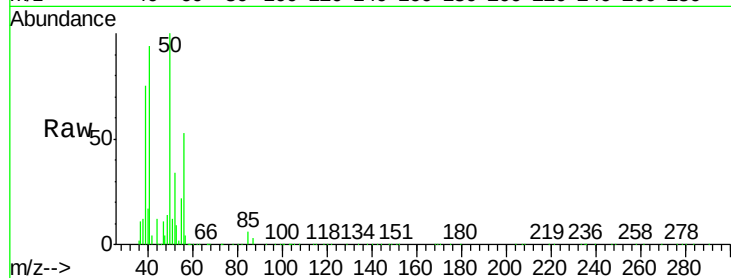
52 33.5 23.8 35.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.58 ug/l

RT: 1.08 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF045391.D

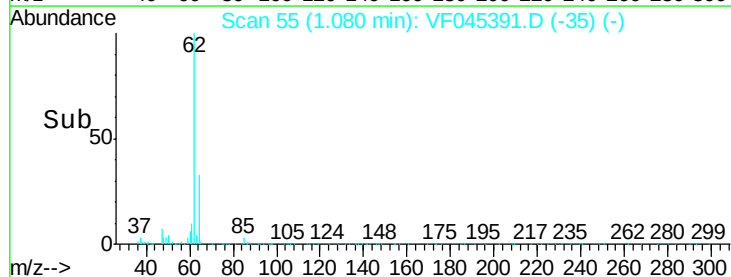
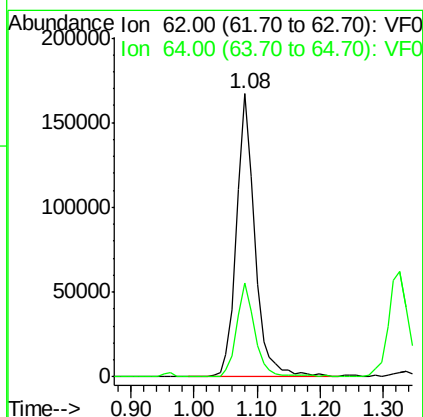
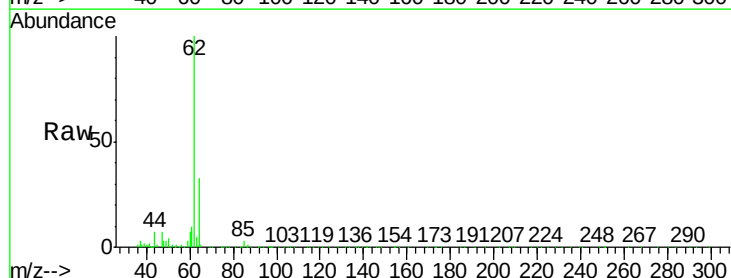
Acq: 16 Sep 2015 14:40

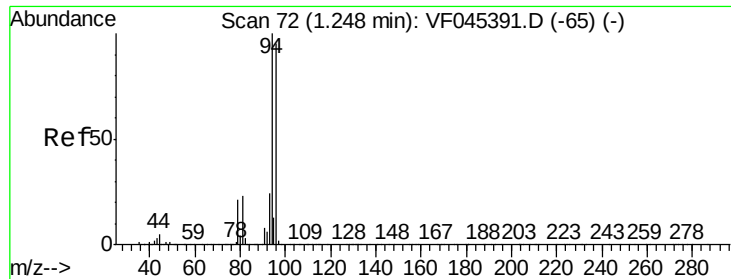
Tgt Ion: 62 Resp: 334205

Ion Ratio Lower Upper

62 100

64 33.0 26.6 39.8





#5

Bromomethane

Concen: 60.49 ug/l

RT: 1.25 min Scan# 72

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 216473

Ion Ratio Lower Upper

94 100

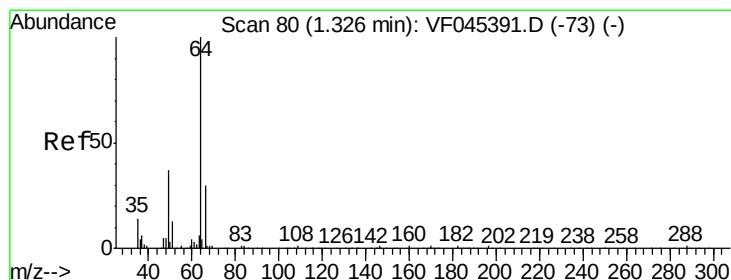
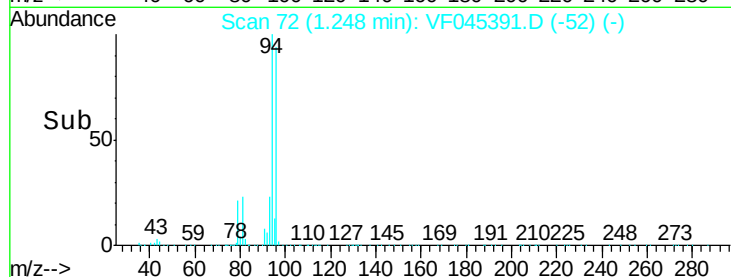
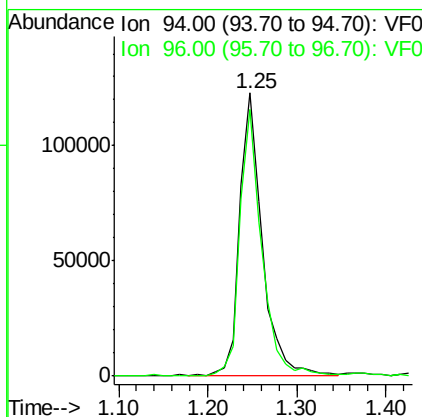
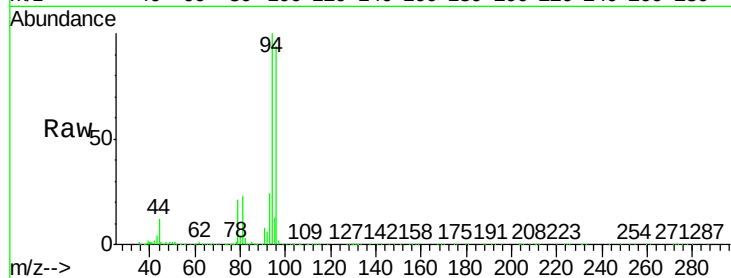
96 94.4 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 59.81 ug/l

RT: 1.33 min Scan# 80

Delta R.T. 0.00 min

Lab File: VF045391.D

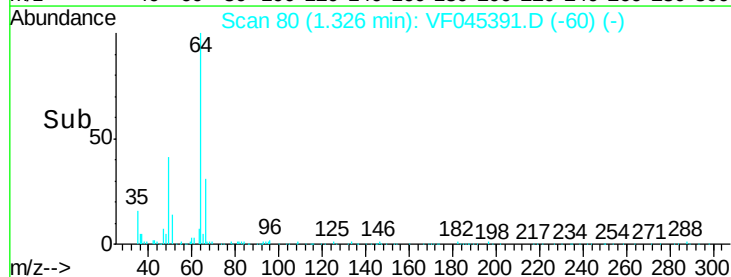
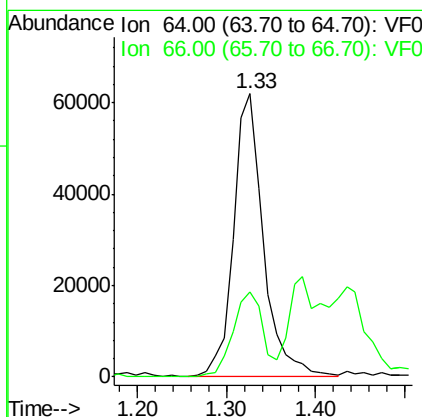
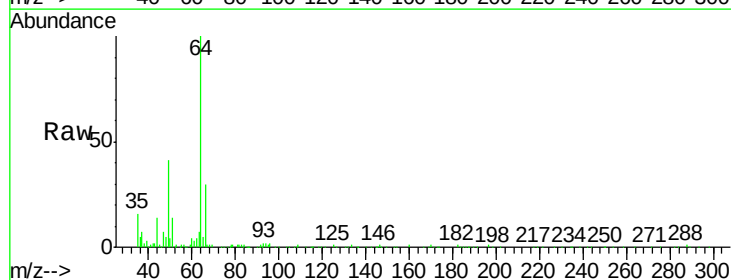
Acq: 16 Sep 2015 14:40

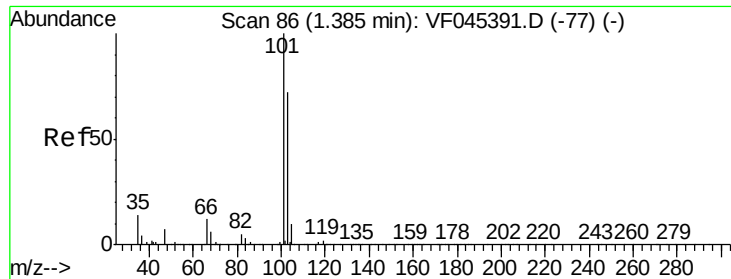
Tgt Ion: 64 Resp: 145576

Ion Ratio Lower Upper

64 100

66 30.0 27.3 40.9





#7

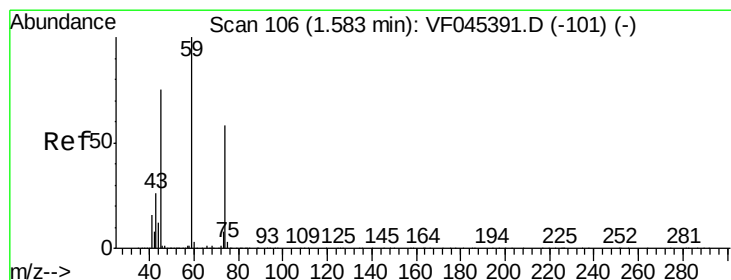
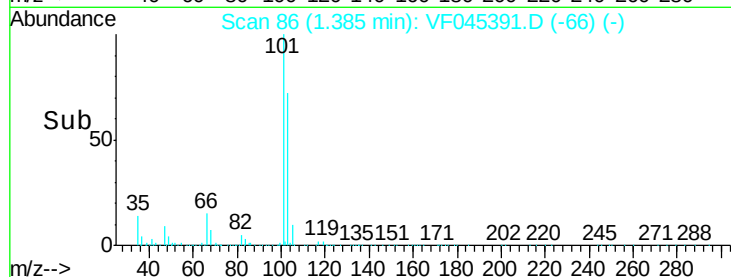
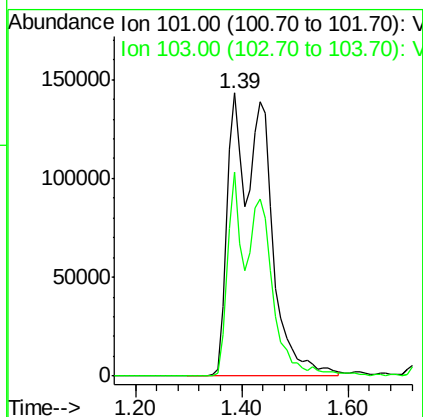
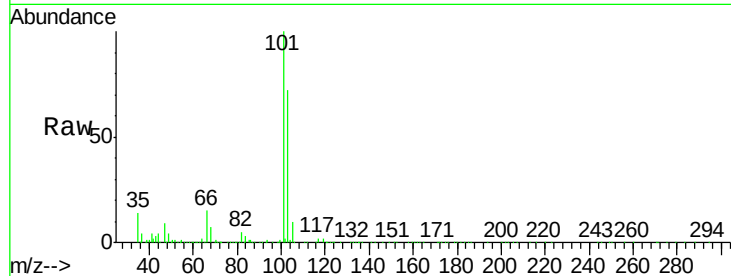
Trichlorofluoromethane
Concen: 60.69 ug/l m
RT: 1.39 min Scan# 86
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Instrument :
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ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	72.2	50.8	76.2

Manual Integrations
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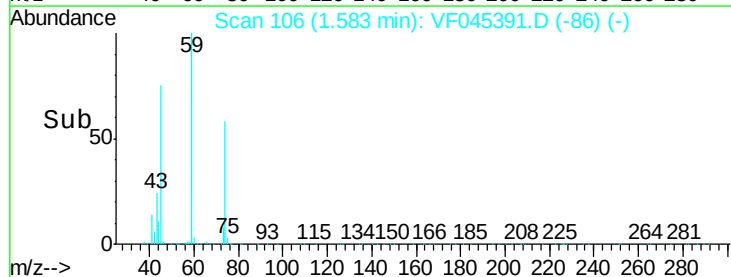
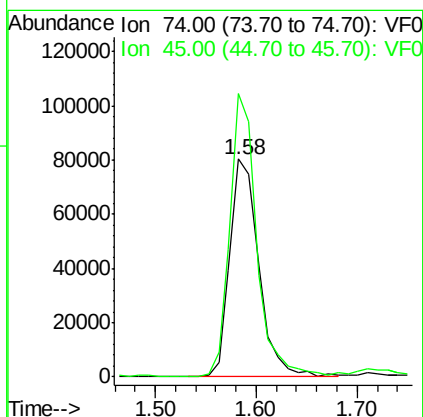
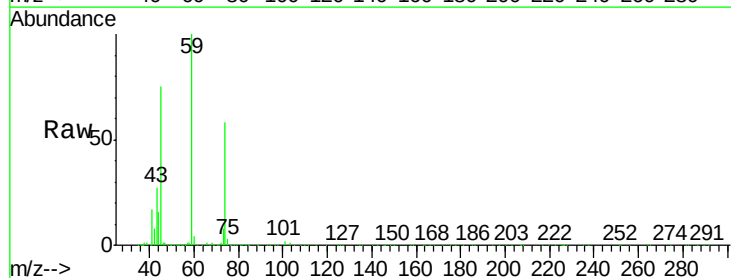
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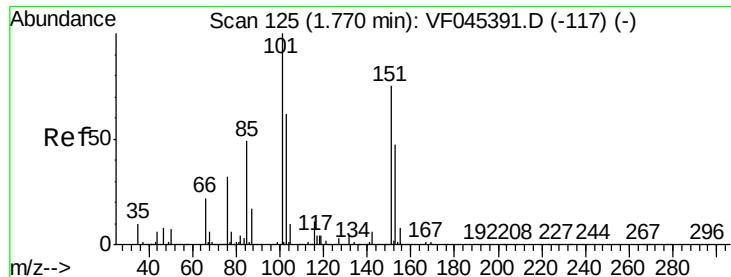


#8

Diethyl Ether
Concen: 53.54 ug/l
RT: 1.58 min Scan# 106
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	130.1	60.9	182.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.07 ug/l

RT: 1.77 min Scan# 125

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

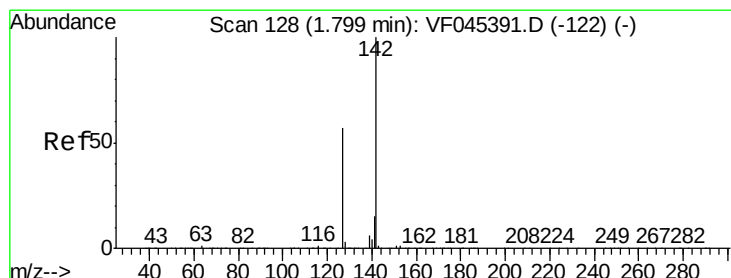
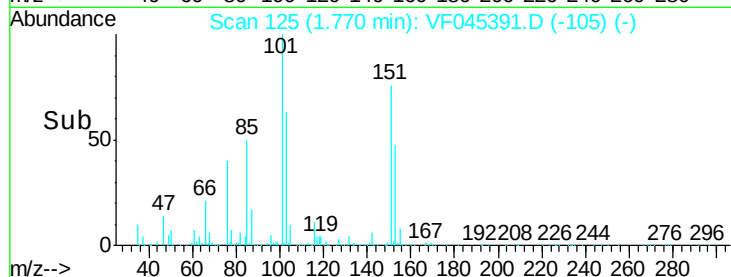
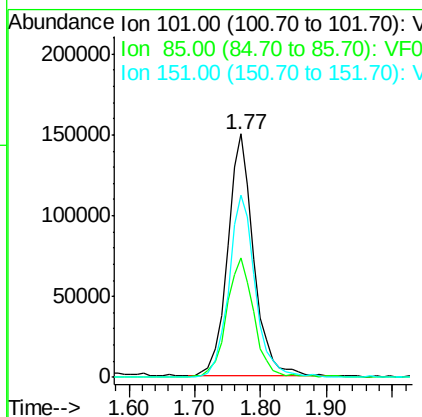
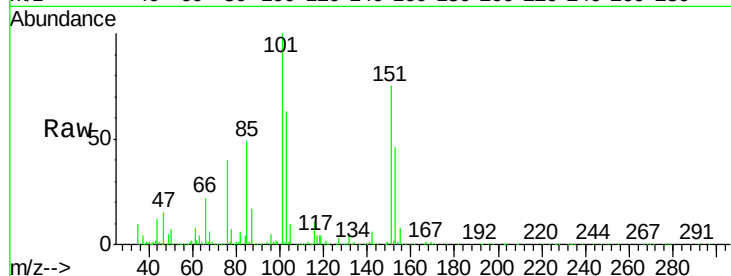
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	413339
Ion Ratio	Lower	Upper	
101	100		
85	49.2	40.0	60.0
151	75.0	62.8	94.2

Manual Integrations
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#10

Methyl Iodide

Concen: 56.65 ug/l

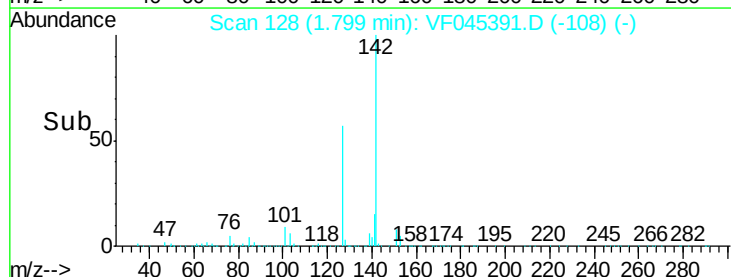
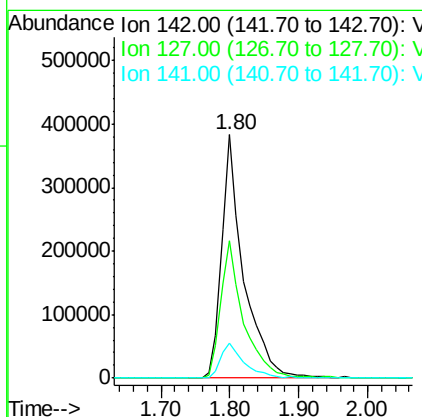
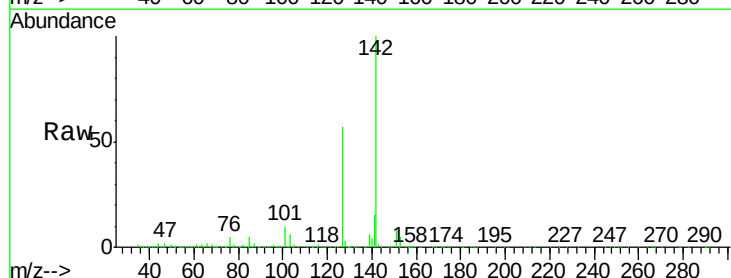
RT: 1.80 min Scan# 128

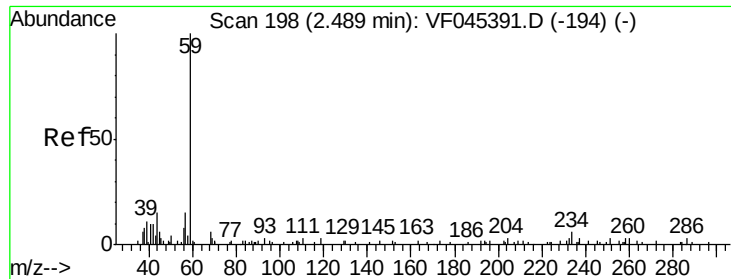
Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Tgt Ion:	142	Resp:	850187
Ion Ratio	Lower	Upper	
142	100		
127	56.6	43.3	64.9
141	14.5	12.1	18.1





#11

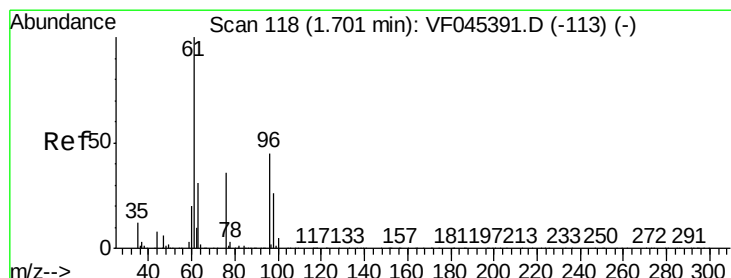
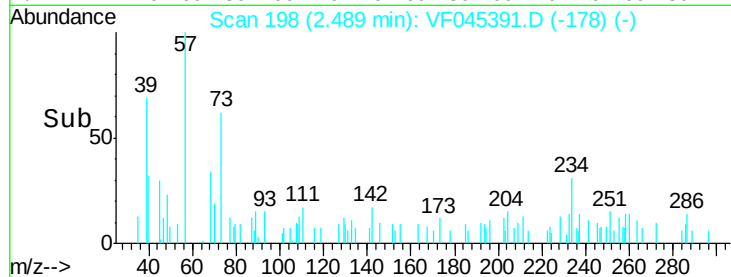
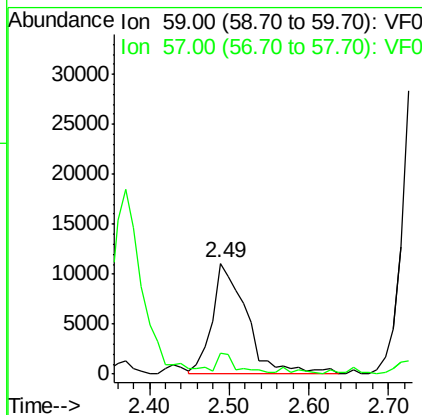
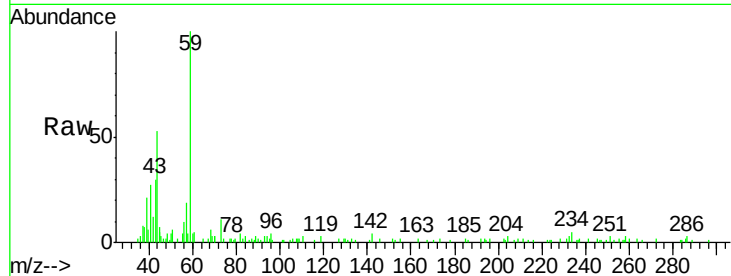
Tert butyl alcohol
Concen: 268.19 ug/l
RT: 2.49 min Scan# 198
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	19.4	8.6	13.0#

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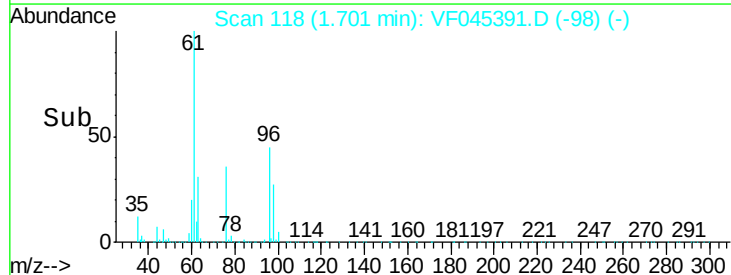
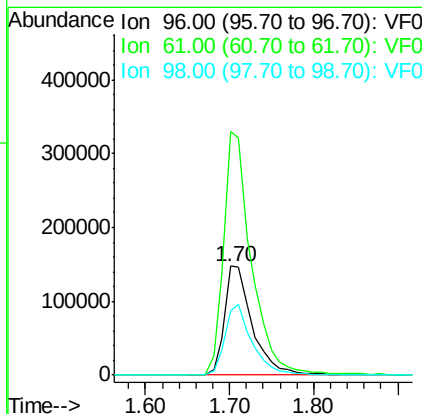
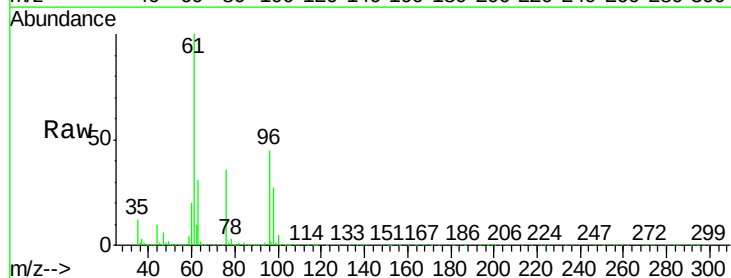
MMDadoda
9/17/2015 12:50:50 PM

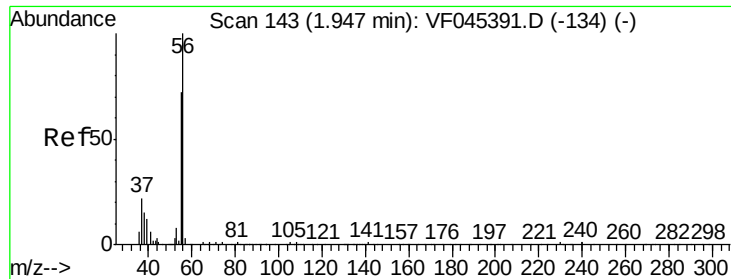


#12

1,1-Dichloroethene
Concen: 52.79 ug/l
RT: 1.70 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	223.8	165.8	248.8
98	59.3	51.2	76.8





#13

Acrolein

Concen: 235.68 ug/l

RT: 1.95 min Scan# 143

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 156923

Ion Ratio Lower Upper

56 100

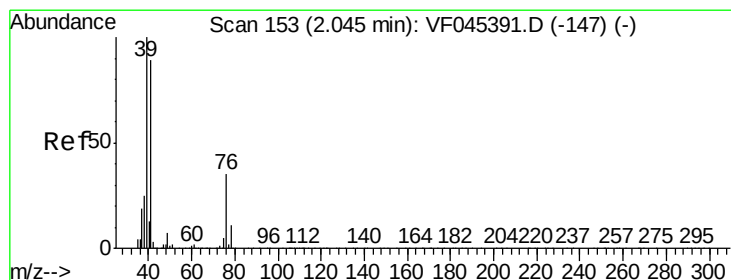
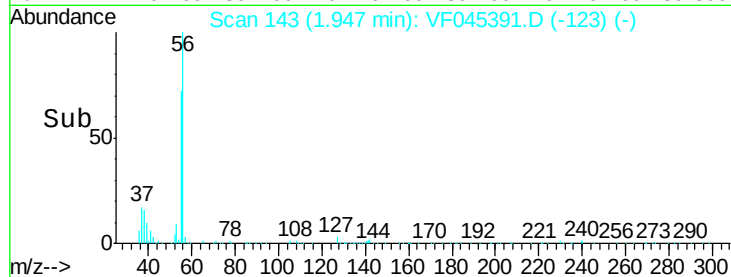
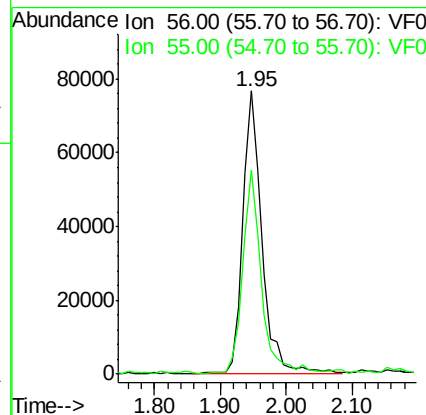
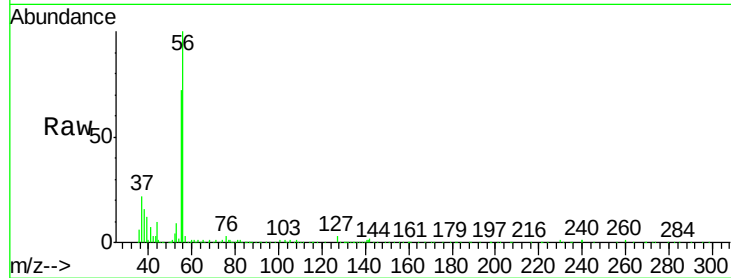
55 72.0 60.5 90.7

Manual Integrations

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#14

Allyl chloride

Concen: 46.11 ug/l

RT: 2.05 min Scan# 153

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

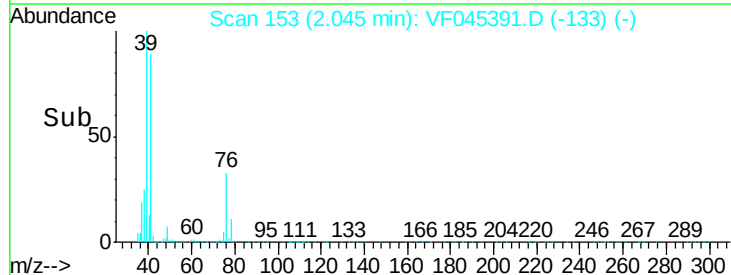
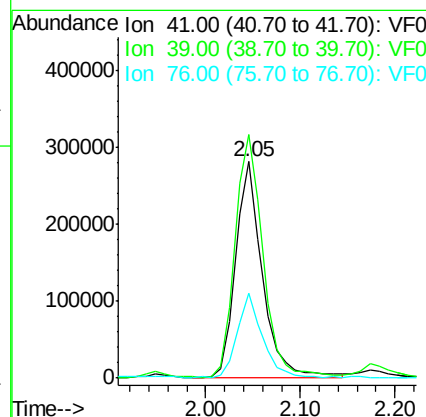
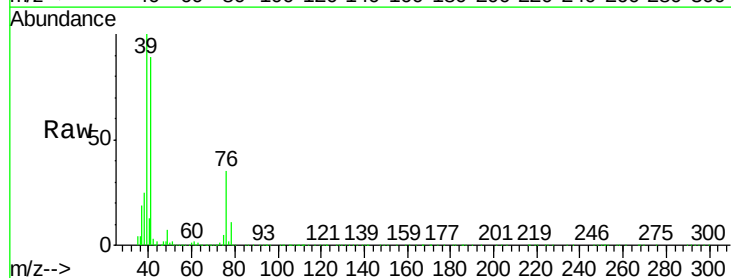
Tgt Ion: 41 Resp: 549526

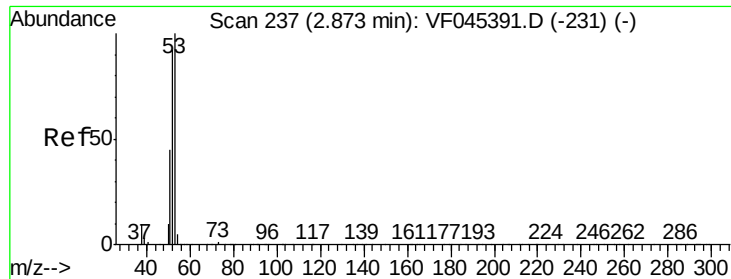
Ion Ratio Lower Upper

41 100

39 112.6 92.8 139.2

76 39.5 27.7 41.5





#15

Acrylonitrile

Concen: 222.49 ug/l

RT: 2.87 min Scan# 237

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

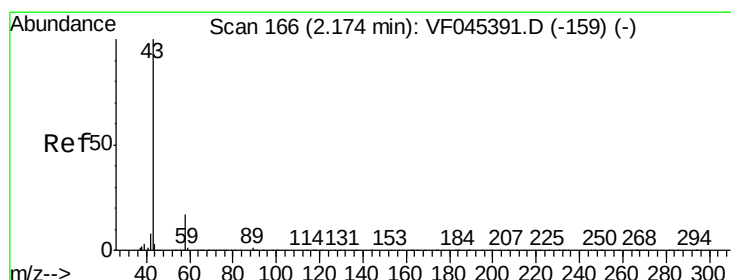
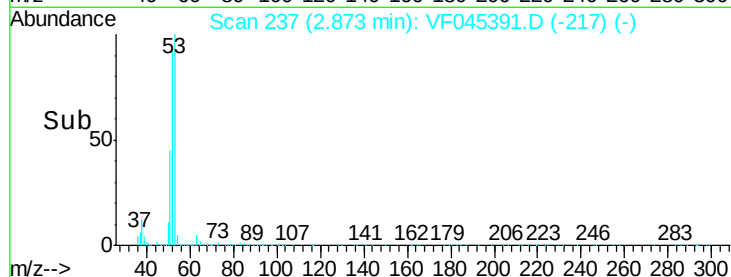
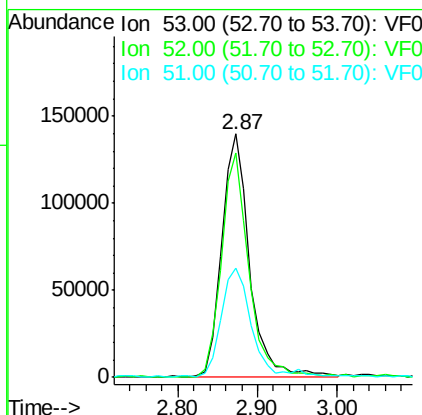
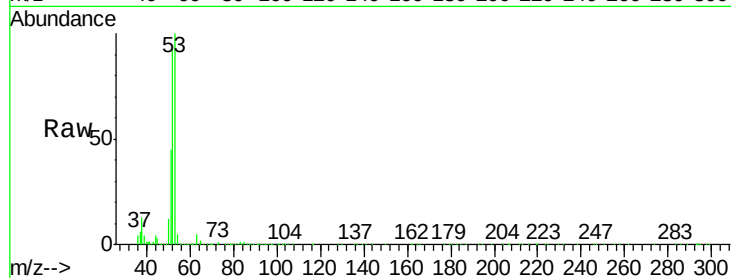
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	344095
Ion Ratio	Lower	Upper	
53	100		
52	92.3	72.7	109.1
51	44.9	42.2	63.2

Manual Integrations
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#16

Acetone

Concen: 291.18 ug/l

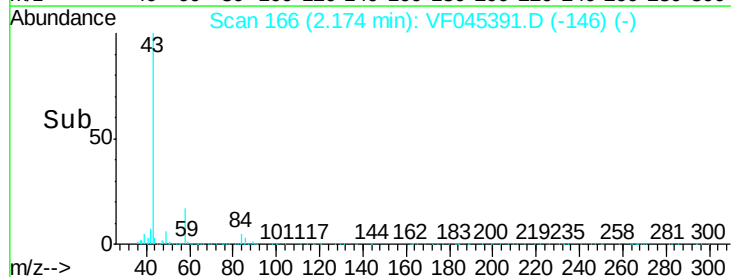
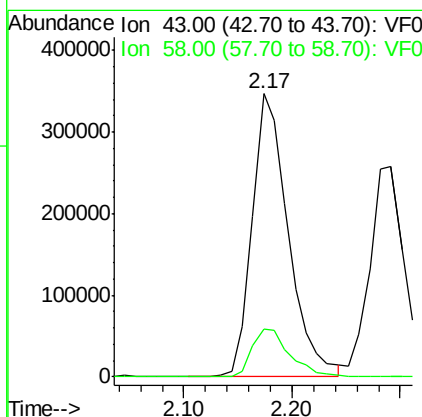
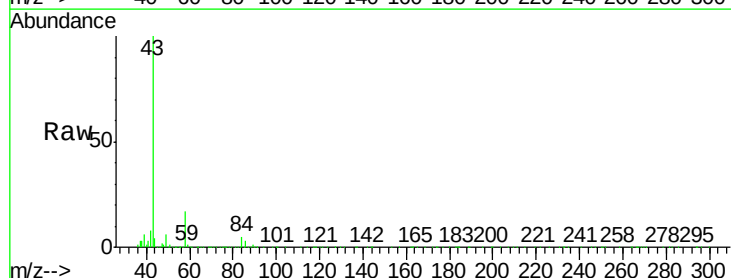
RT: 2.17 min Scan# 166

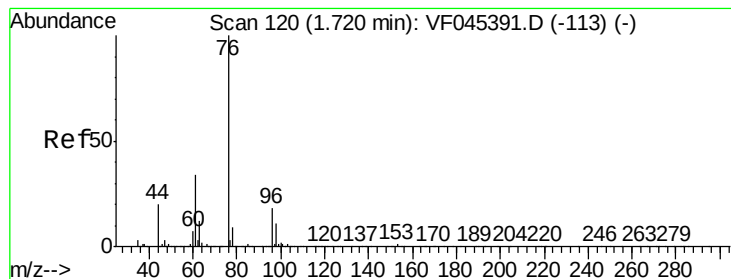
Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Tgt Ion:	43	Resp:	801218
Ion Ratio	Lower	Upper	
43	100		
58	16.9	13.9	20.9





#17

Carbon Disulfide

Concen: 54.95 ug/l

RT: 1.72 min Scan# 120

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Tot Ion: 76 Resp: 1164593

Ion Ratio Lower Upper

76 100

78 8.9 7.6 11.4

Instrument :

MSVOA_F

ClientSampleId :

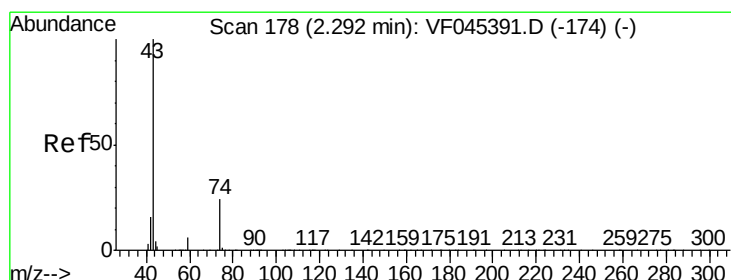
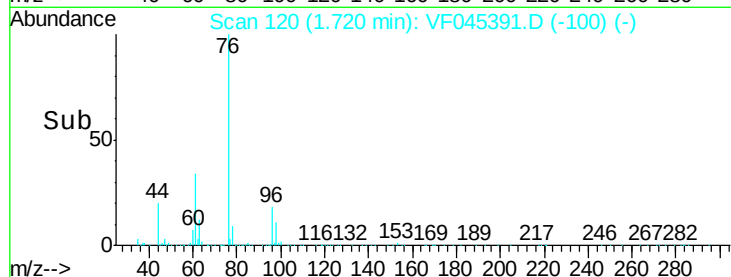
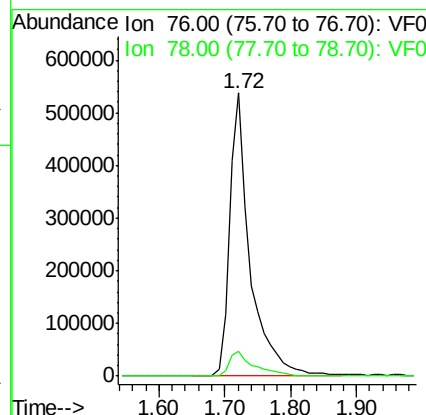
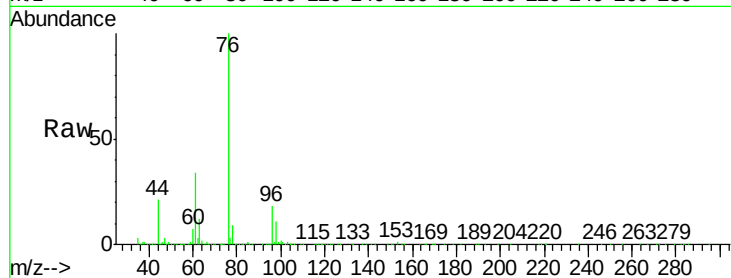
VSTDICCC050

Manual Integrations

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9/17/2015 12:50:50 PM



#18

Methyl Acetate

Concen: 45.85 ug/l

RT: 2.29 min Scan# 178

Delta R.T. 0.00 min

Lab File: VF045391.D

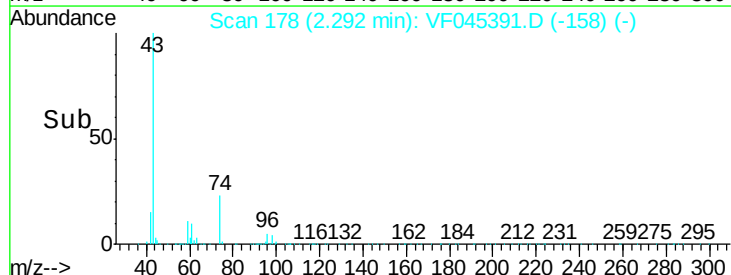
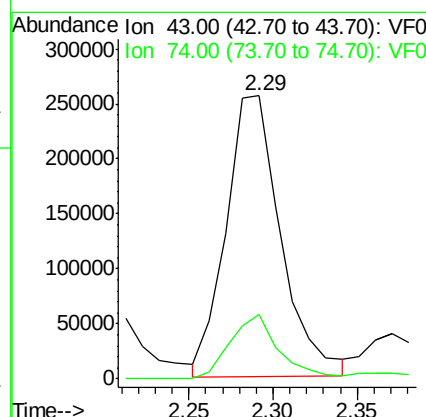
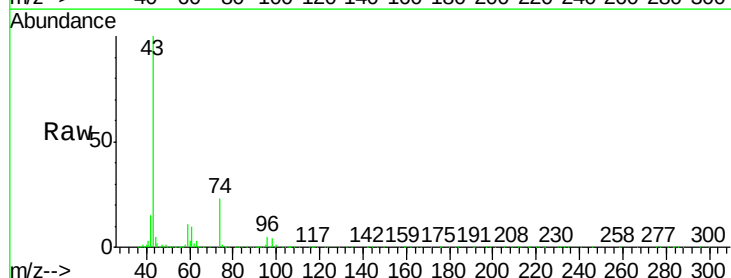
Acq: 16 Sep 2015 14:40

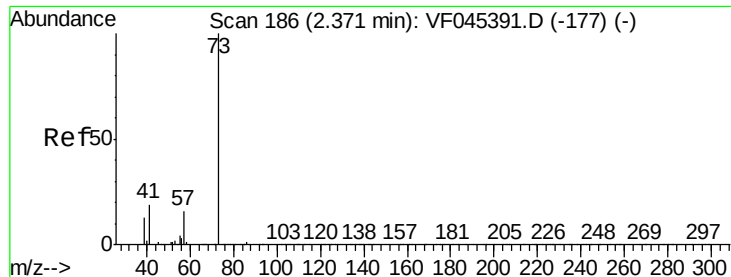
Tgt Ion: 43 Resp: 578890

Ion Ratio Lower Upper

43 100

74 22.8 15.1 22.7#





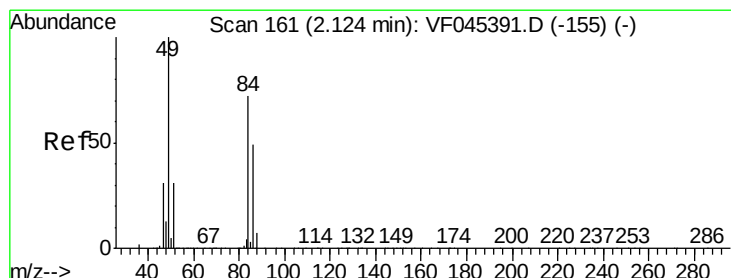
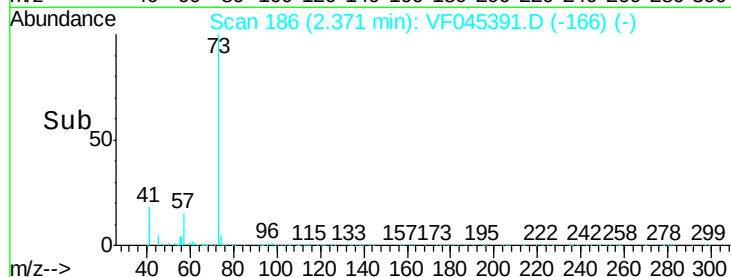
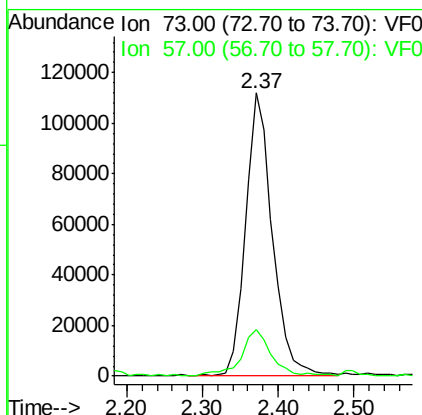
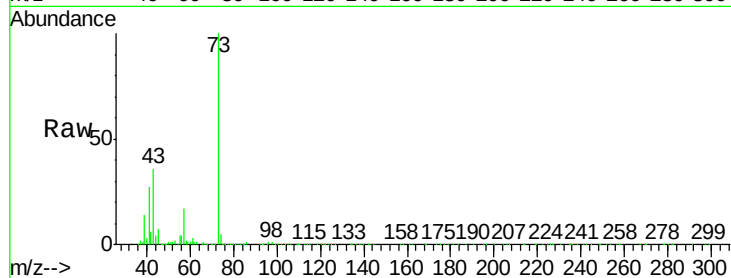
#19
Methyl tert-butyl Ether
Concen: 55.18 ug/l
RT: 2.37 min Scan# 186
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.6	12.9	19.3

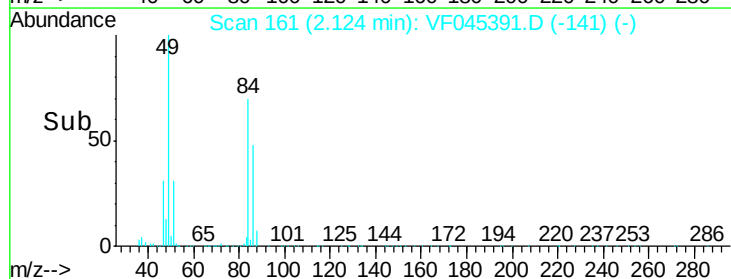
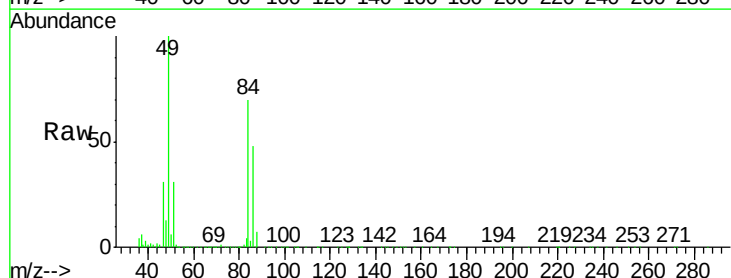
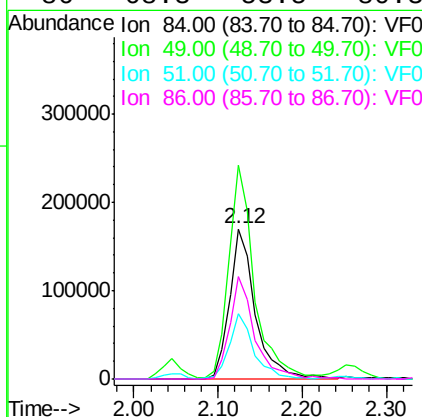
Manual Integrations
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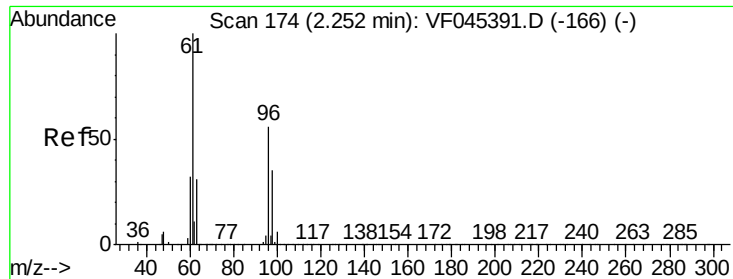
MMDadoda
9/17/2015 12:50:50 PM



#20
Methylene Chloride
Concen: 50.38 ug/l
RT: 2.12 min Scan# 161
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.2	122.8	184.2
51	43.7	35.4	53.2
86	68.3	53.5	80.3





#21

trans-1,2-Dichloroethene

Concen: 51.36 ug/l

RT: 2.25 min Scan# 174

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

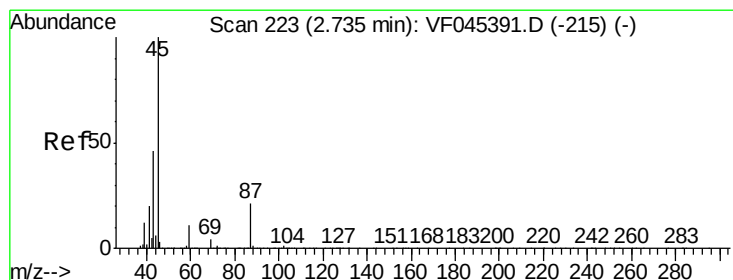
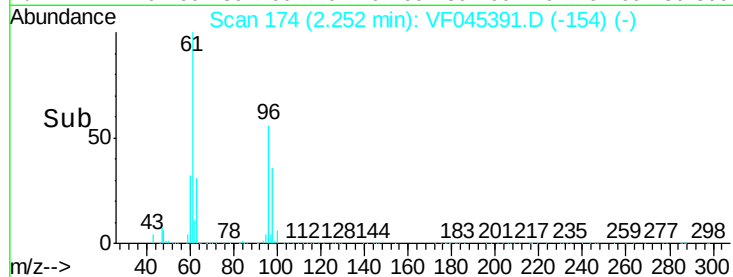
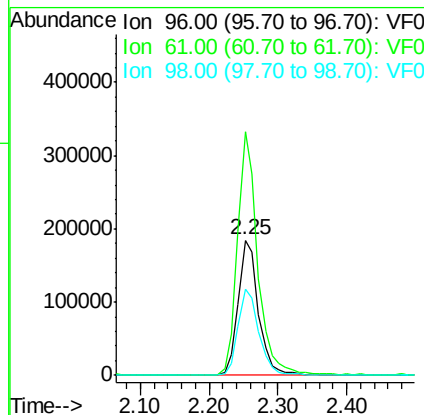
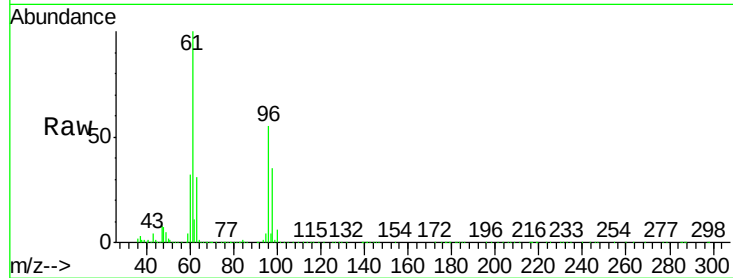
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	379978
Ion Ratio	Lower	Upper	
96	100		
61	180.2	136.8	205.2
98	63.5	51.0	76.4

Manual Integrations
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9/17/2015 12:50:50 PM



#22

Diisopropyl ether

Concen: 45.25 ug/l

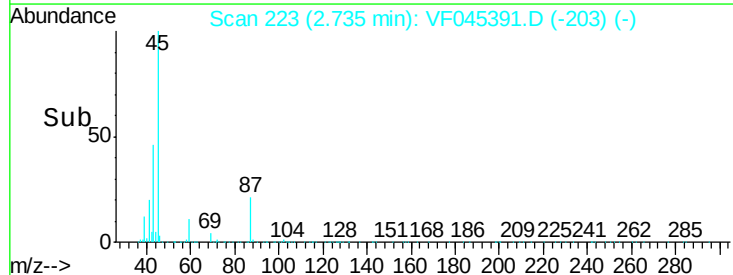
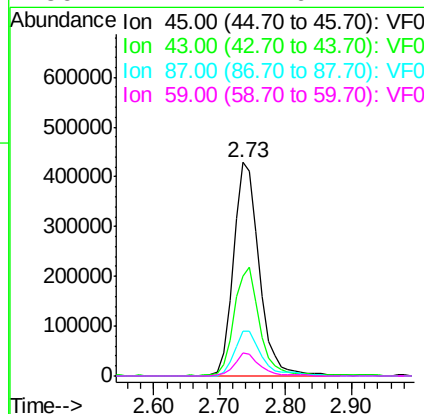
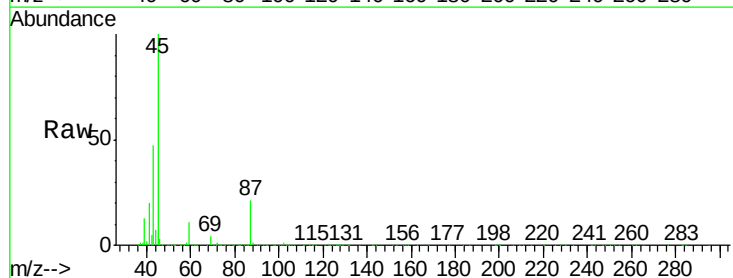
RT: 2.73 min Scan# 223

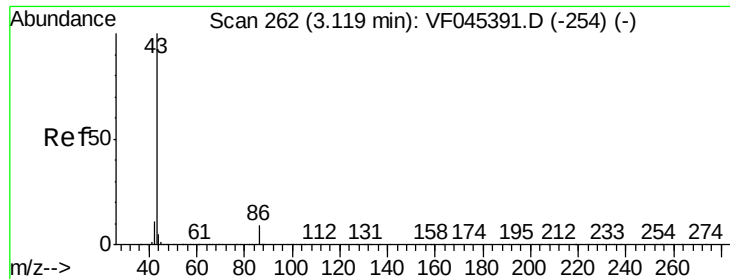
Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Tgt Ion:	45	Resp:	1179619
Ion Ratio	Lower	Upper	
45	100		
43	46.8	42.2	63.4
87	20.9	16.6	25.0
59	11.1	7.6	11.4





#23

Vinyl Acetate

Concen: 220.27 ug/l

RT: 3.12 min Scan# 262

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1752590

Ion Ratio Lower Upper

43 100

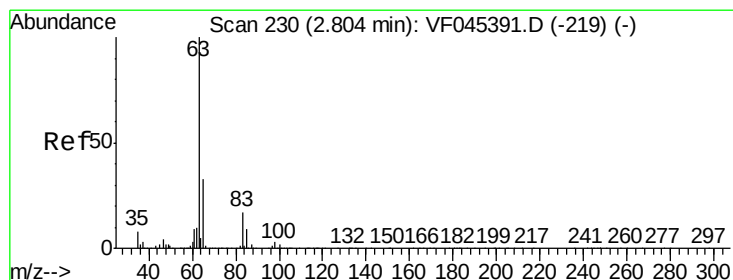
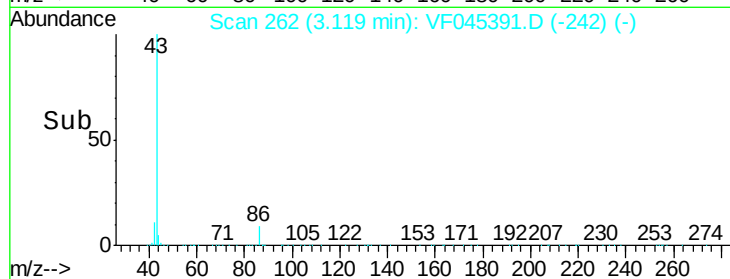
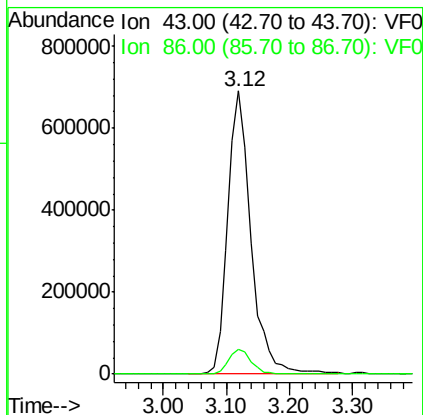
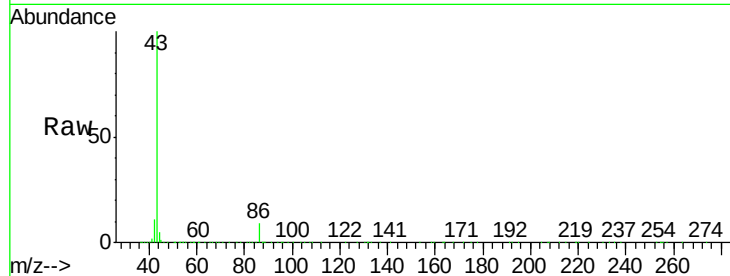
86 8.8 6.3 9.5

Manual Integrations

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MMDadoda

9/17/2015 12:50:50 PM



#24

1,1-Dichloroethane

Concen: 49.69 ug/l

RT: 2.80 min Scan# 230

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

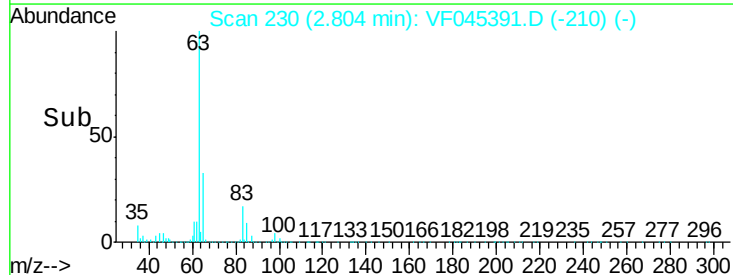
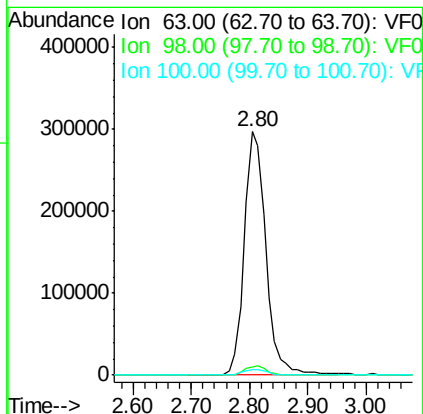
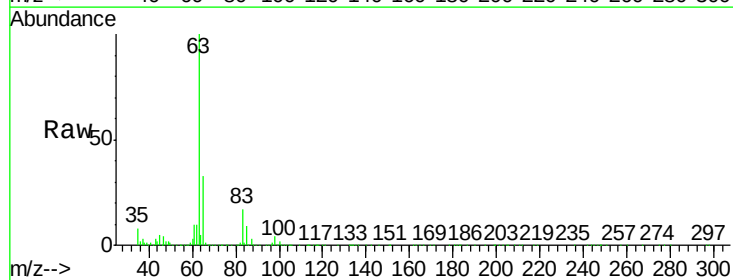
Tgt Ion: 63 Resp: 771705

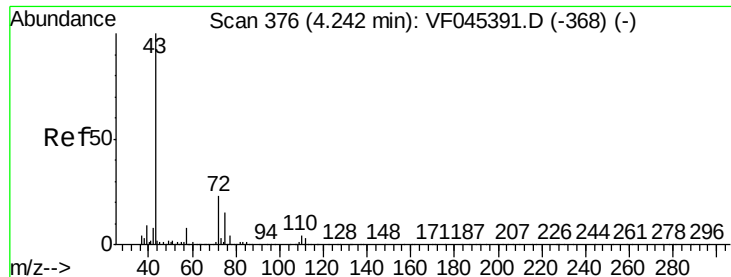
Ion Ratio Lower Upper

63 100

98 3.6 2.2 6.6

100 2.3 1.1 3.5





#25

2-Butanone

Concen: 224.71 ug/l

RT: 4.24 min Scan# 376

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Tot Ion: 43 Resp: 1060406

Ion Ratio Lower Upper

43 100

72 23.3 20.2 30.2

Instrument :

MSVOA_F

ClientSampleId :

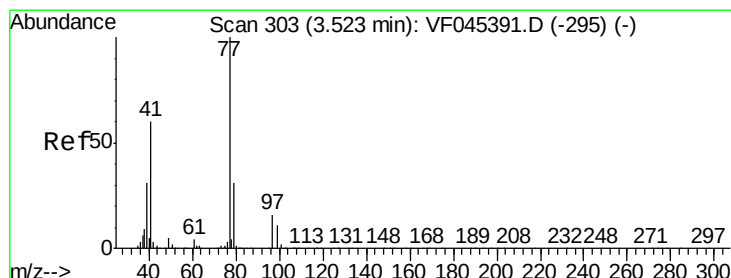
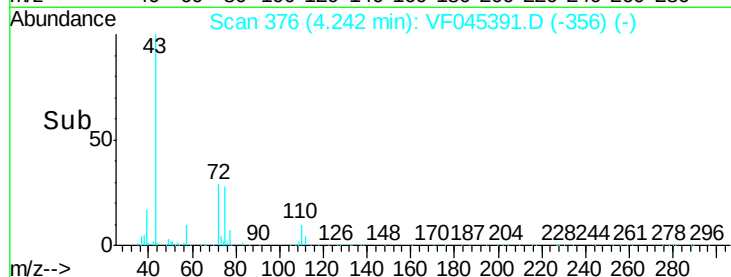
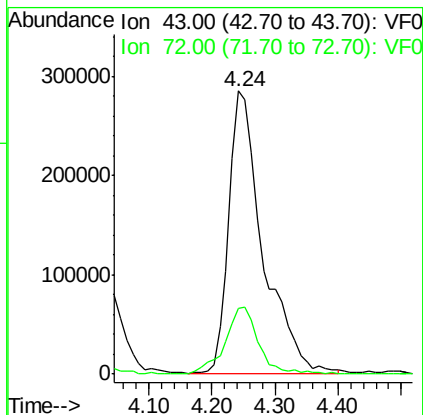
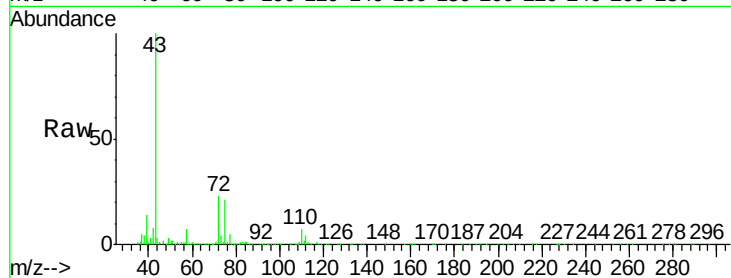
VSTDICCC050

Manual Integrations

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MMDadoda

9/17/2015 12:50:50 PM



#26

2,2-Dichloropropane

Concen: 50.87 ug/l

RT: 3.52 min Scan# 303

Delta R.T. 0.00 min

Lab File: VF045391.D

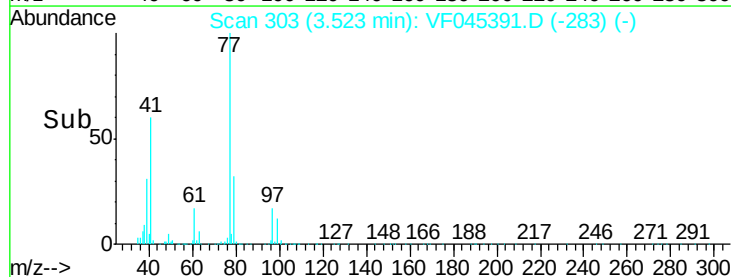
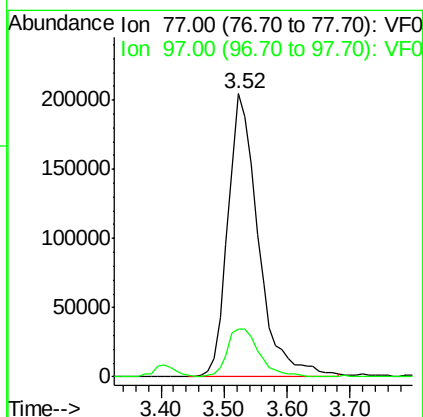
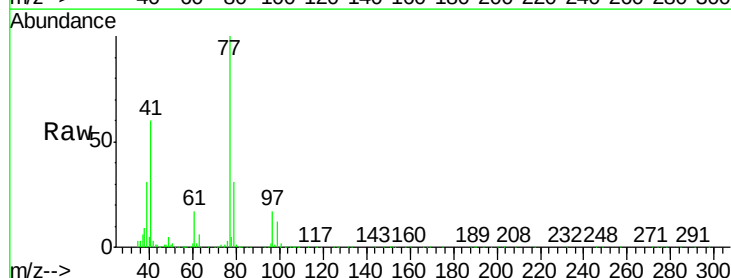
Acq: 16 Sep 2015 14:40

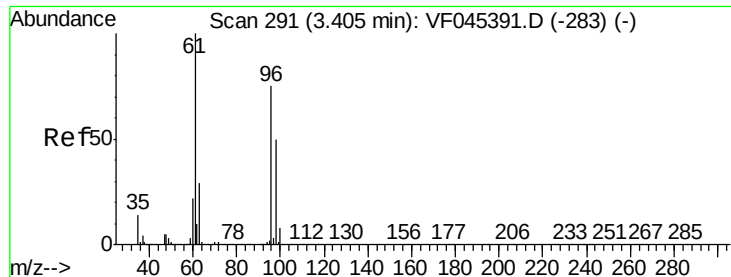
Tgt Ion: 77 Resp: 686747

Ion Ratio Lower Upper

77 100

97 16.7 9.2 27.4





#27

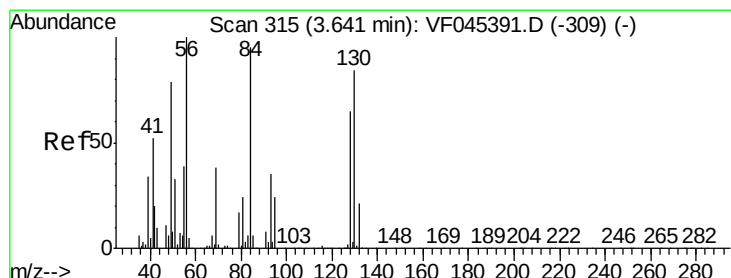
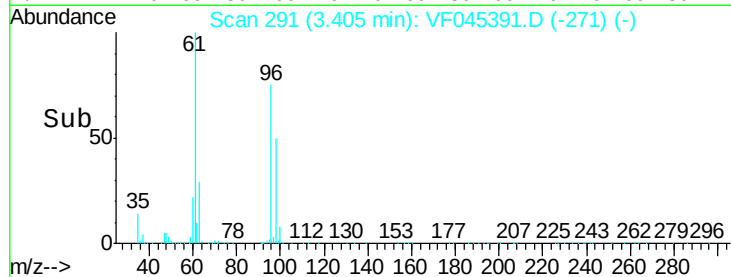
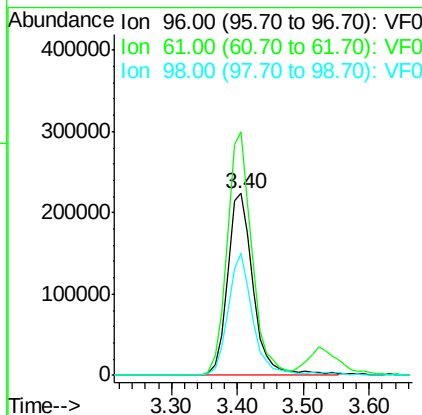
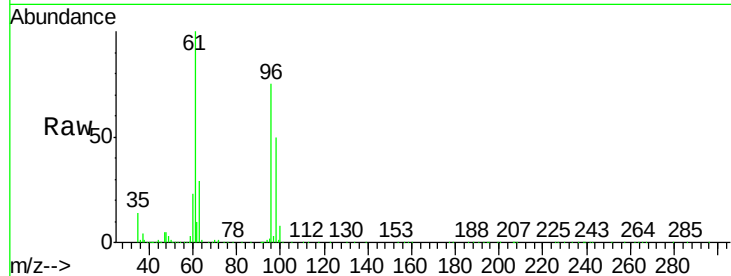
cis-1,2-Dichloroethene
Concen: 52.36 ug/l
RT: 3.40 min Scan# 291
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	612106		
61	134.0	0.0	268.6	
98	67.4	0.0	135.8	

Manual Integrations
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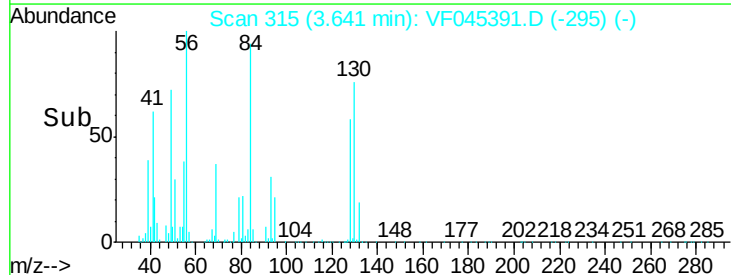
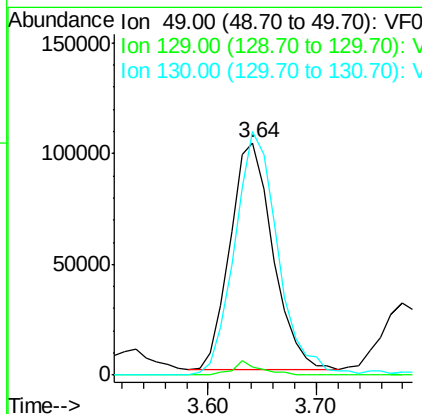
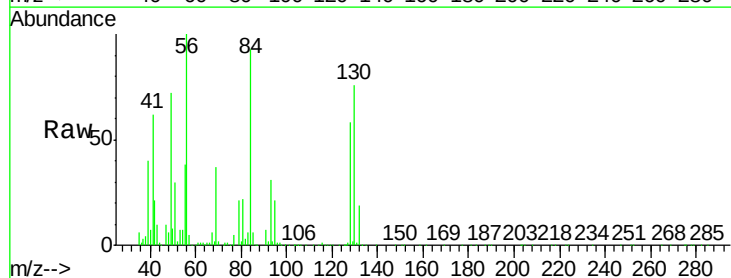
MMDadoda
9/17/2015 12:50:50 PM

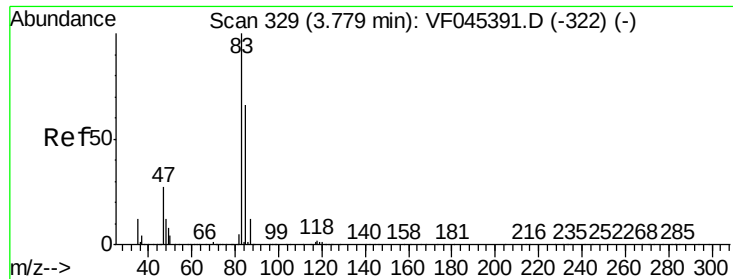


#28

Bromochloromethane
Concen: 34.88 ug/l
RT: 3.64 min Scan# 315
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	283476		
129	3.4	0.0	0.0#	
130	104.9	79.6	119.4	





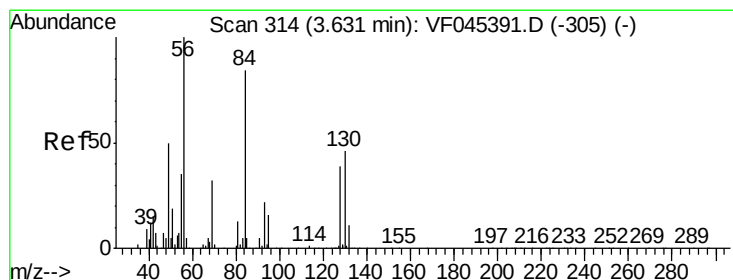
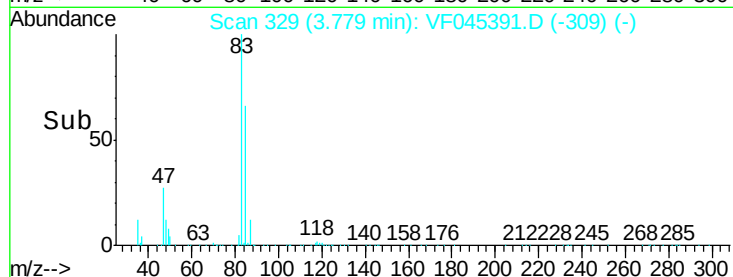
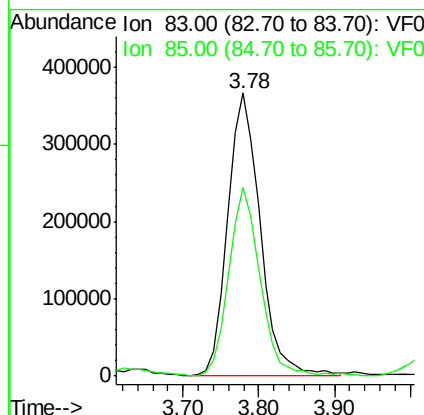
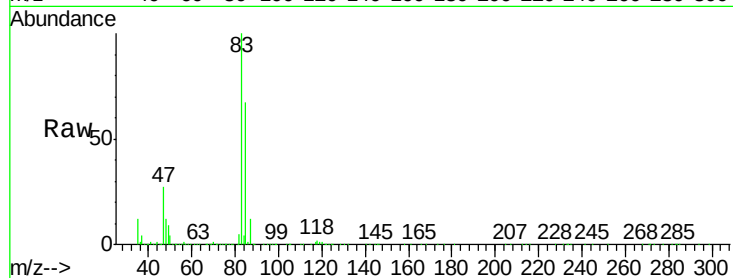
#29
Chloroform
Concen: 52.67 ug/l
RT: 3.78 min Scan# 329
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	1084344
Ion	83	Ratio	Lower Upper
	83	100	
	85	66.5	51.6 77.4

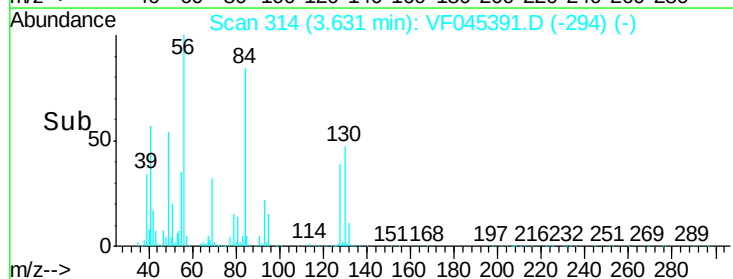
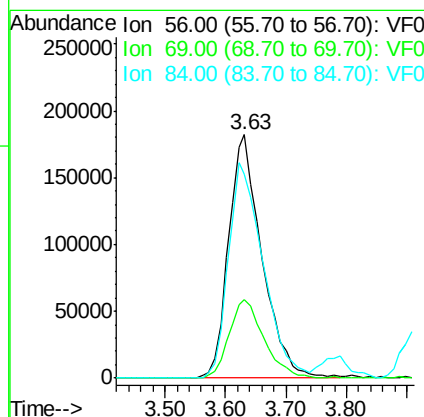
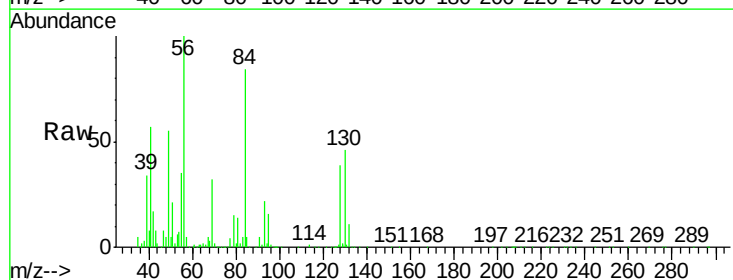
Manual Integrations
APPROVED

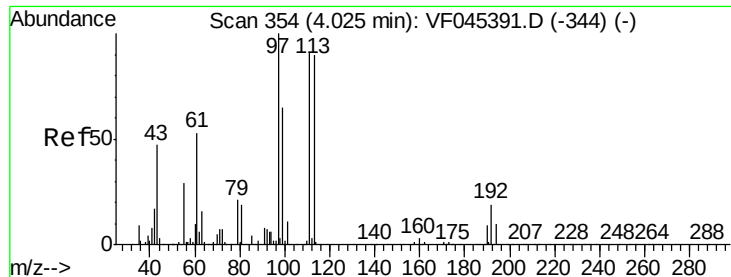
MMDadoda
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#30
Cyclohexane
Concen: 42.84 ug/l
RT: 3.63 min Scan# 314
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Tgt Ion	56	Resp	695372
Ion	56	Ratio	Lower Upper
	56	100	
	69	32.3	26.1 39.1
	84	84.0	72.2 108.4





#31

1,1,1-Trichloroethane

Concen: 55.45 ug/l

RT: 4.03 min Scan# 354

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

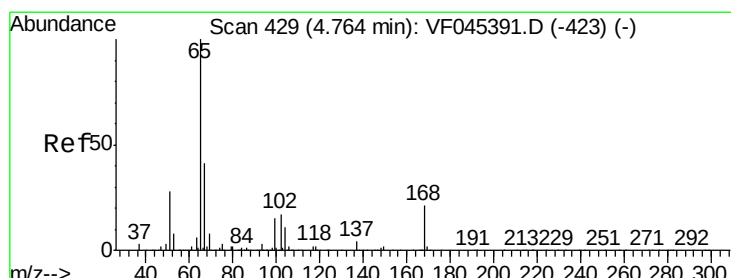
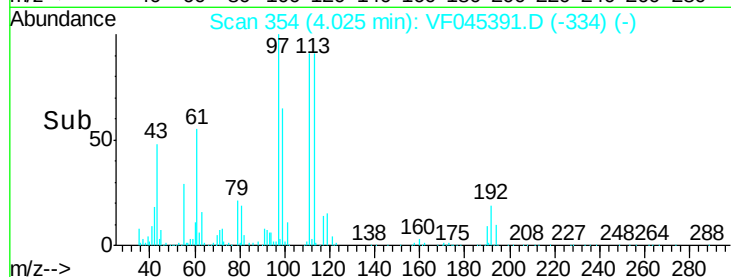
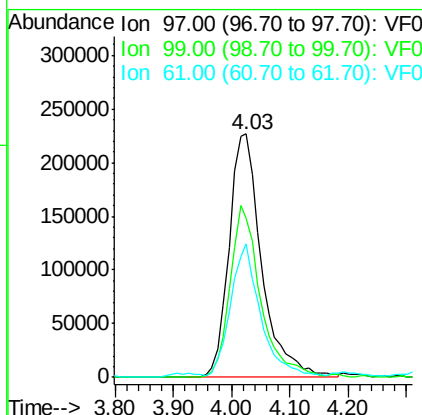
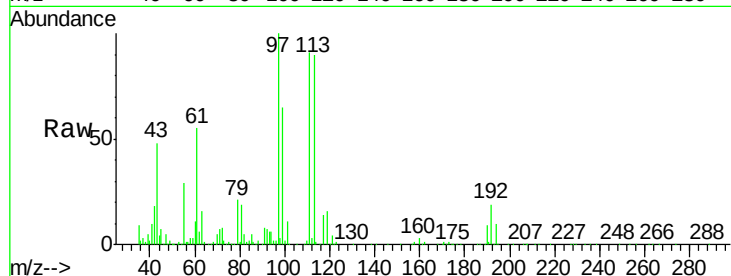
ClientSampleId :

VSTDICCC050

Tot Ion:	97	Resp:	884761
Ion Ratio	Lower	Upper	
97	100		
99	65.2	51.1	76.7
61	54.8	37.8	56.6

Manual Integrations
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#32

1,2-Dichloroethane-d4

Concen: 53.19 ug/l

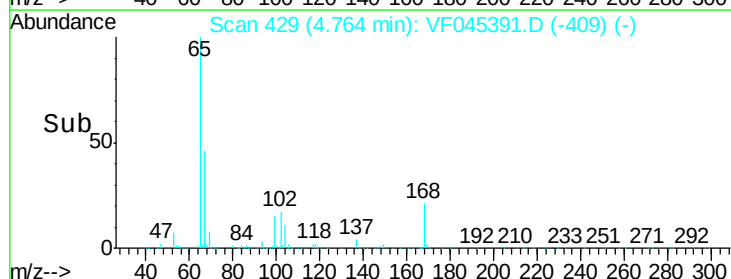
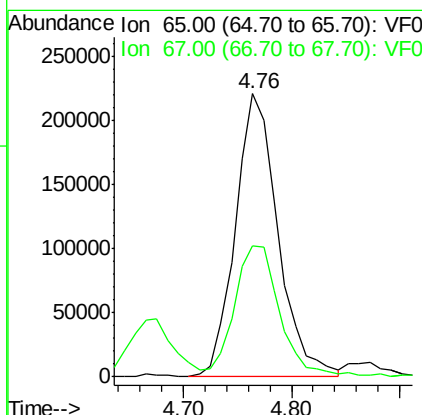
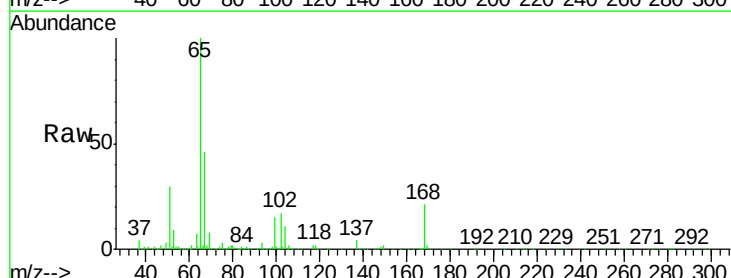
RT: 4.76 min Scan# 429

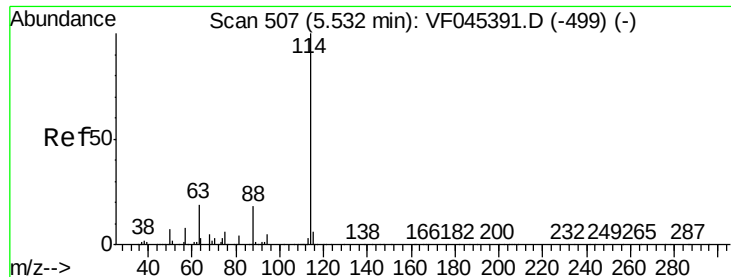
Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Tgt Ion:	65	Resp:	598714
Ion Ratio	Lower	Upper	
65	100		
67	46.2	0.0	102.2





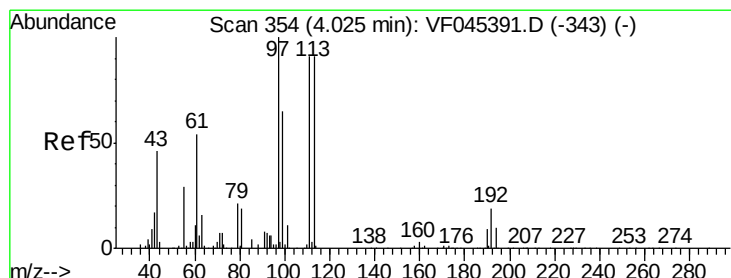
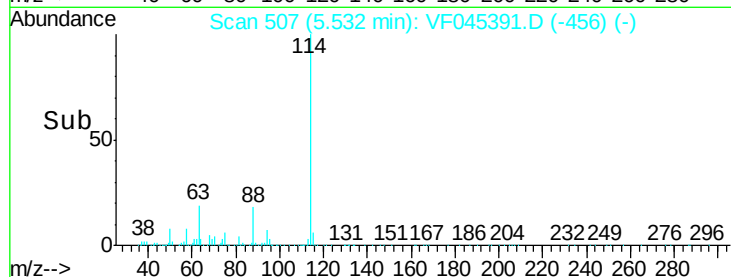
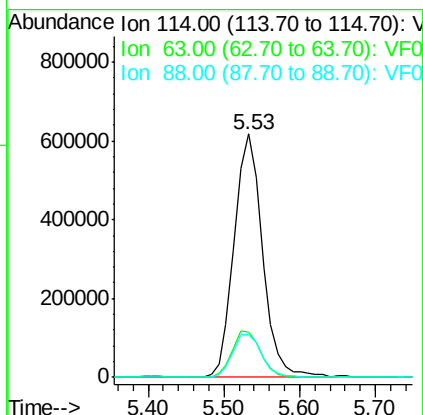
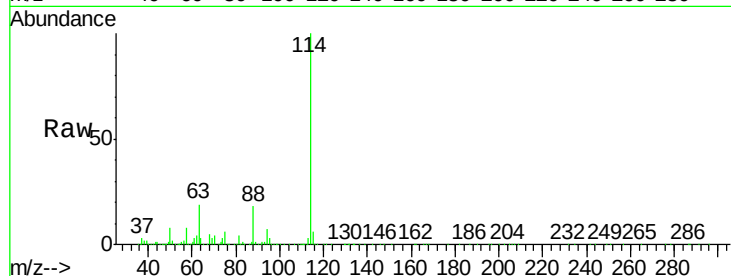
#33
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.53 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VF045391.D
 Acq: 16 Sep 2015 14:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	39.2
88	17.5	0.0	37.0

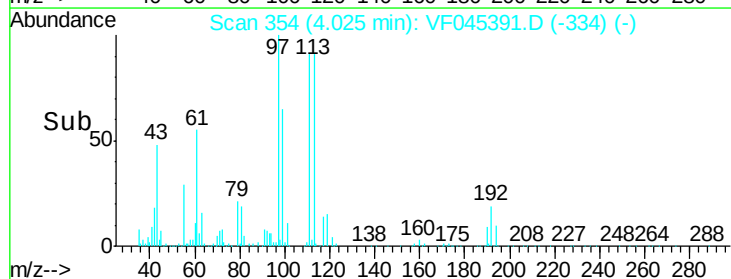
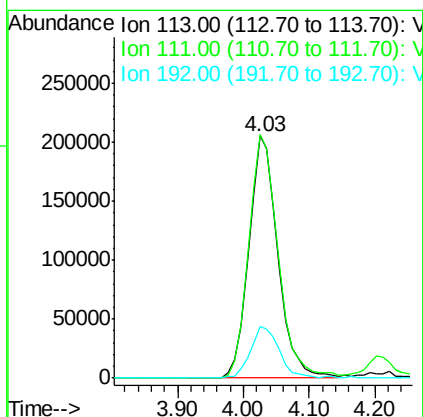
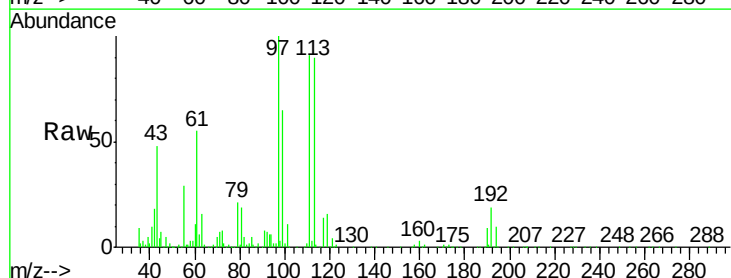
Manual Integrations
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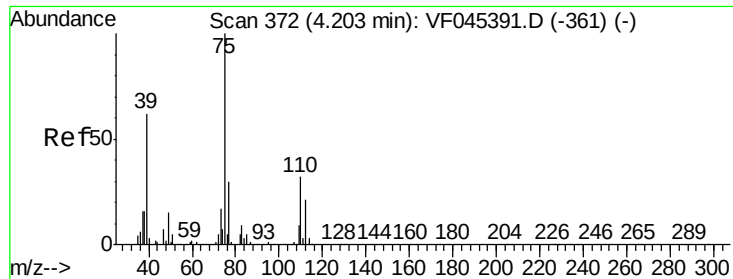
MMDadoda
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#34
 Dibromofluoromethane
 Concen: 51.46 ug/l
 RT: 4.03 min Scan# 354
 Delta R.T. 0.00 min
 Lab File: VF045391.D
 Acq: 16 Sep 2015 14:40

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.6	75.5	113.3
192	21.2	15.6	23.4





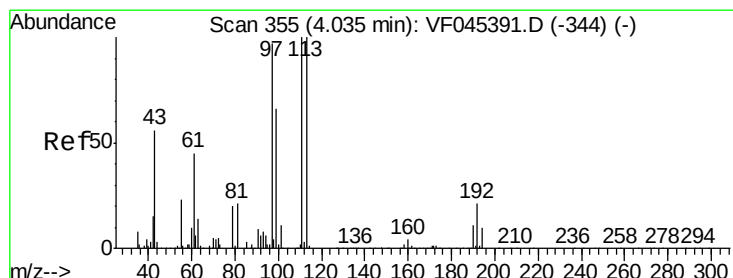
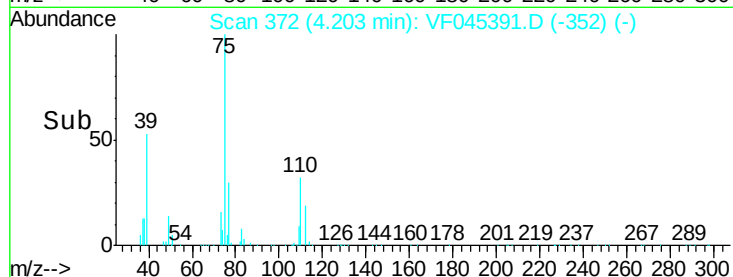
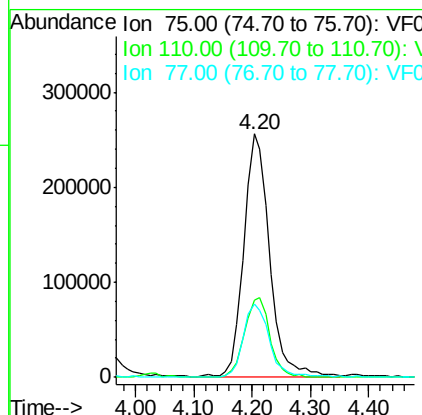
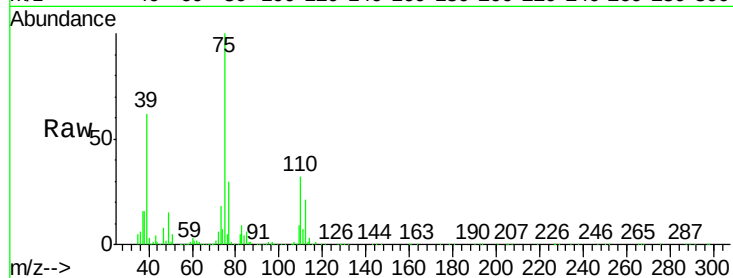
#35
 1,1-Dichloropropene
 Concen: 51.46 ug/l
 RT: 4.20 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VF045391.D
 Acq: 16 Sep 2015 14:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
110	31.9	15.9	47.6
77	30.0	24.2	36.4

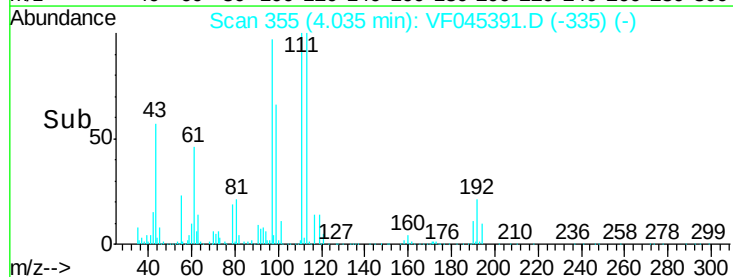
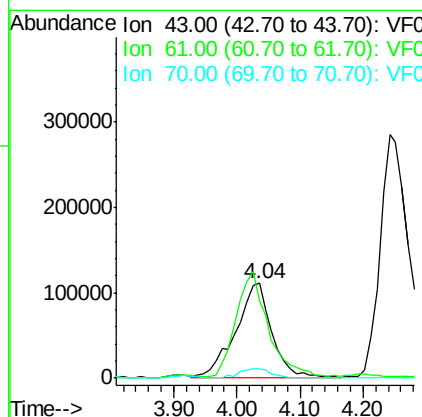
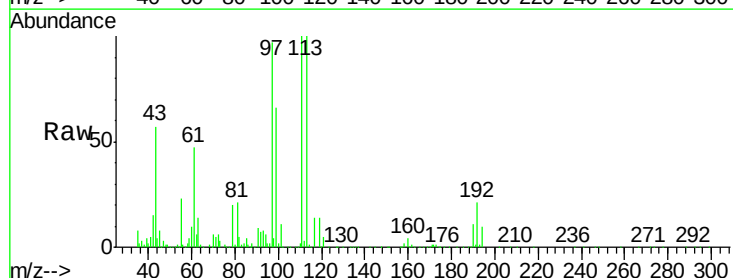
Manual Integrations
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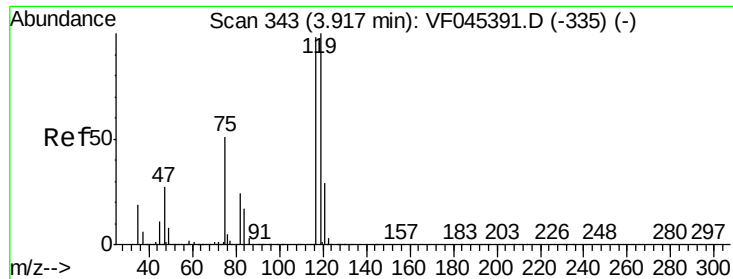
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#36
 Ethyl Acetate
 Concen: 47.56 ug/l
 RT: 4.04 min Scan# 355
 Delta R.T. 0.00 min
 Lab File: VF045391.D
 Acq: 16 Sep 2015 14:40

Tgt Ion	Ratio	Lower	Upper
43	100		
61	81.3	49.4	74.0#
70	10.3	10.8	16.2#





#37

Carbon Tetrachloride

Concen: 62.31 ug/l

RT: 3.92 min Scan# 343

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

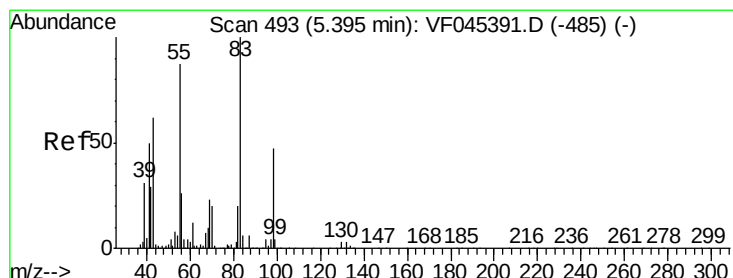
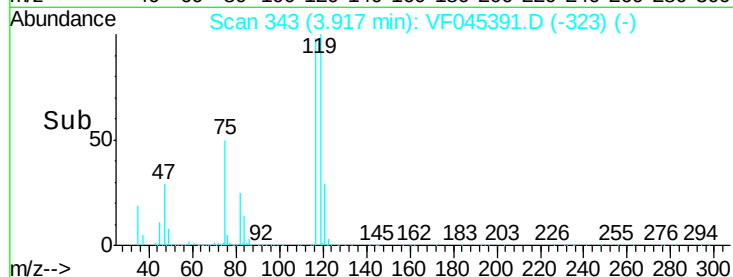
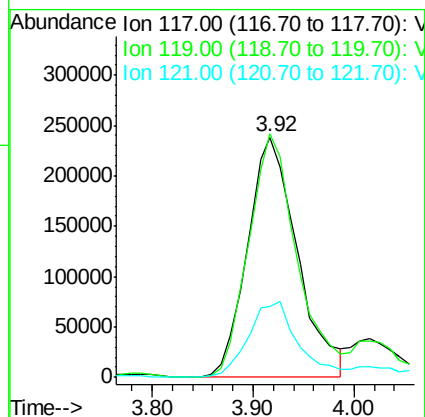
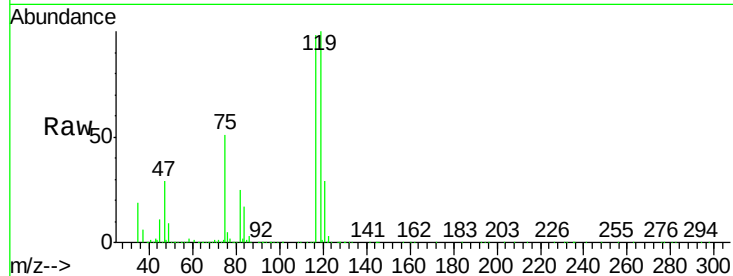
ClientSampleId :

VSTDICCC050

Tot Ion:	117	Resp:	816339
Ion Ratio	Lower	Upper	
117	100		
119	101.5	77.8	116.8
121	29.3	25.4	38.0

Manual Integrations
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#38

Methylcyclohexane

Concen: 48.46 ug/l

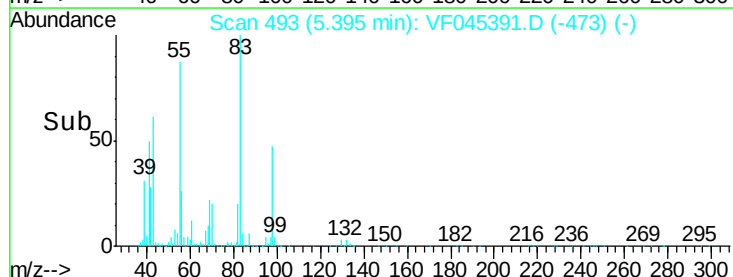
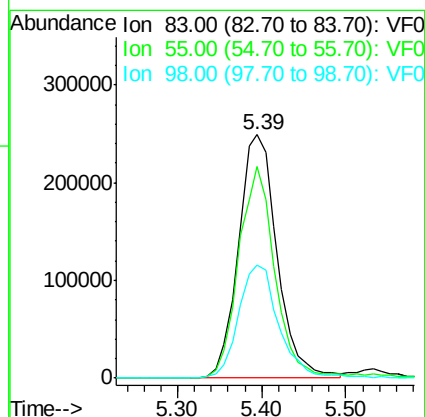
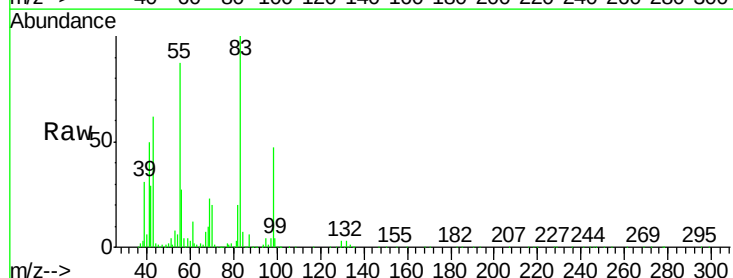
RT: 5.39 min Scan# 493

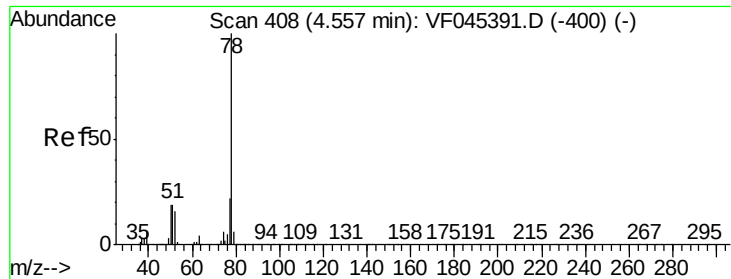
Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Tgt Ion:	83	Resp:	798124
Ion Ratio	Lower	Upper	
83	100		
55	87.1	60.5	90.7
98	46.7	38.1	57.1





#39

Benzene

Concen: 46.66 ug/l

RT: 4.56 min Scan# 408

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 78 Resp: 1784021

Ion Ratio Lower Upper

78 100

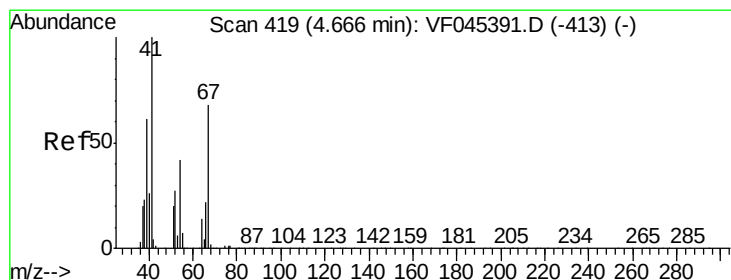
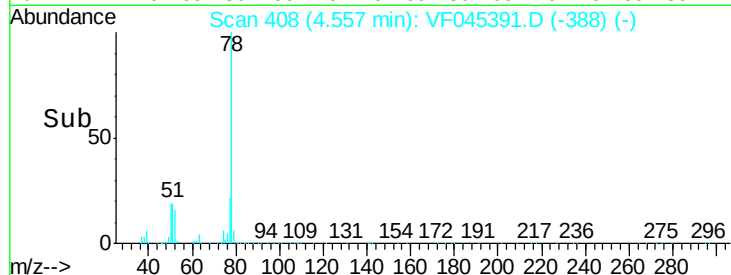
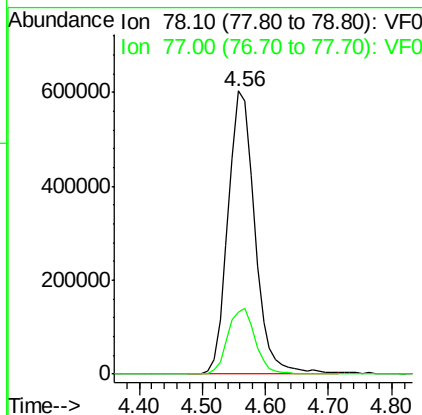
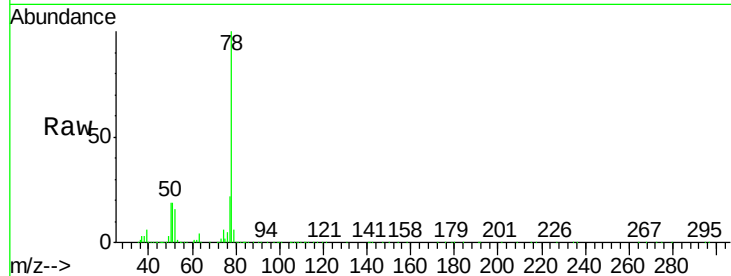
77 21.9 18.6 28.0

Manual Integrations

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#40

Methacrylonitrile

Concen: 47.21 ug/l

RT: 4.67 min Scan# 419

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Tgt Ion: 41 Resp: 204780

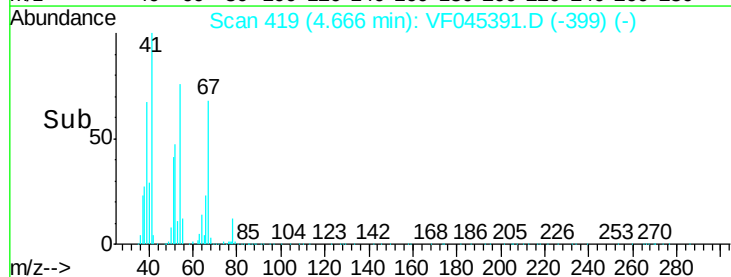
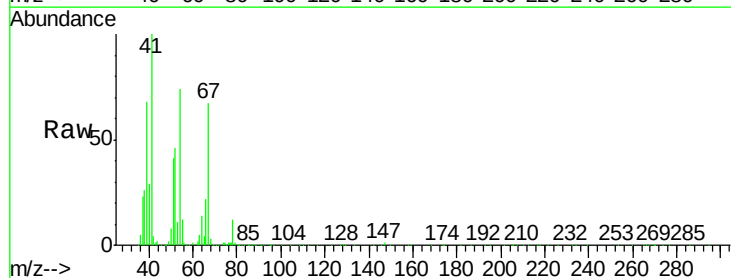
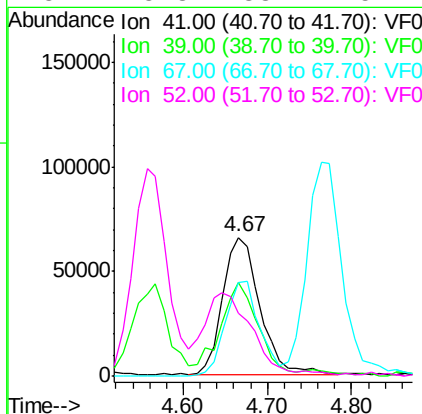
Ion Ratio Lower Upper

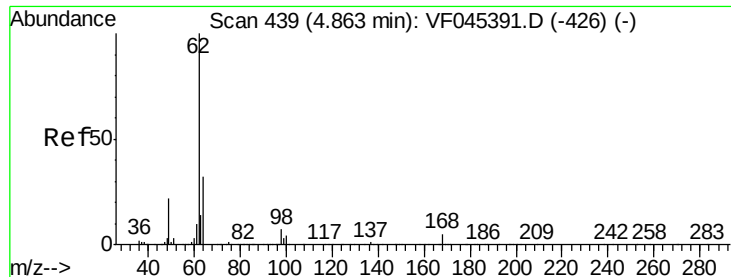
41 100

39 68.0 44.9 67.3#

67 67.5 49.0 73.4

52 45.8 38.2 57.2





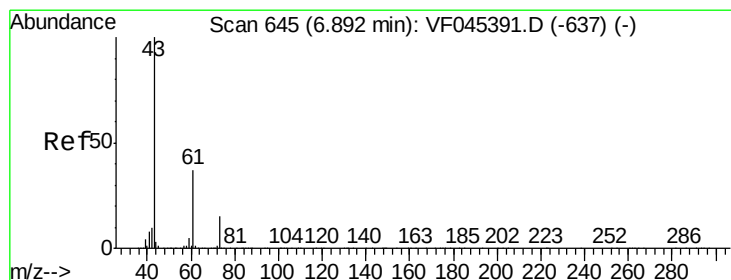
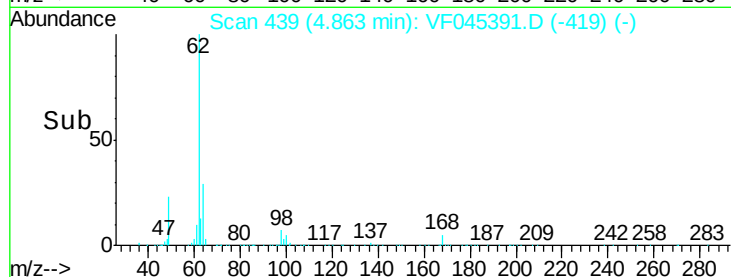
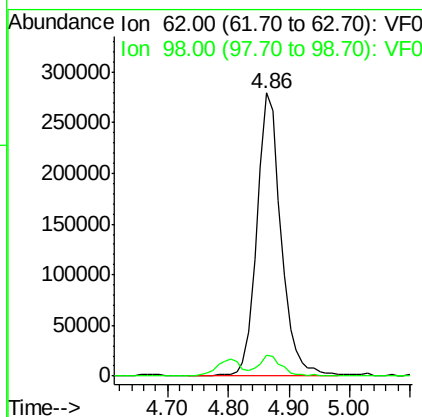
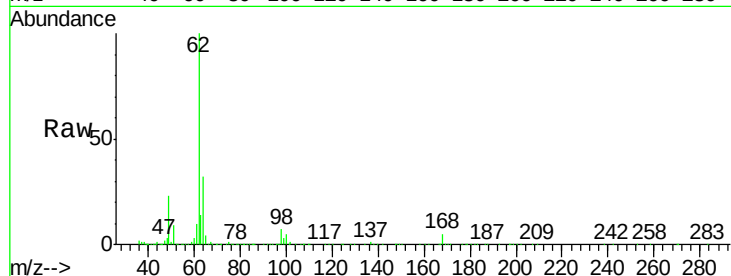
#41
 1,2-Dichloroethane
 Concen: 60.39 ug/l
 RT: 4.86 min Scan# 439
 Delta R.T. 0.00 min
 Lab File: VF045391.D
 Acq: 16 Sep 2015 14:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
62	100	775575		
98	7.4	0.0	17.0	

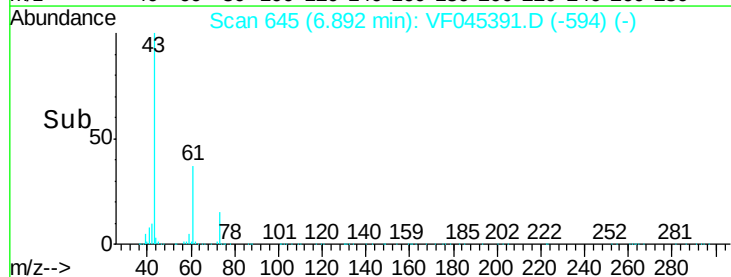
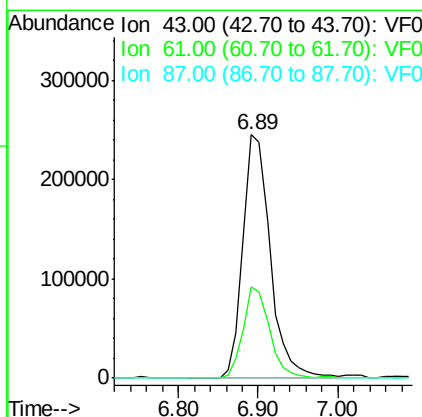
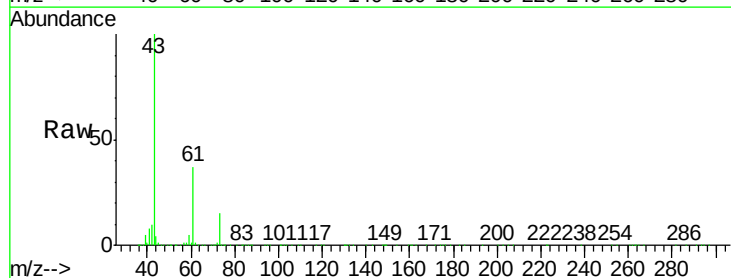
Manual Integrations
 APPROVED

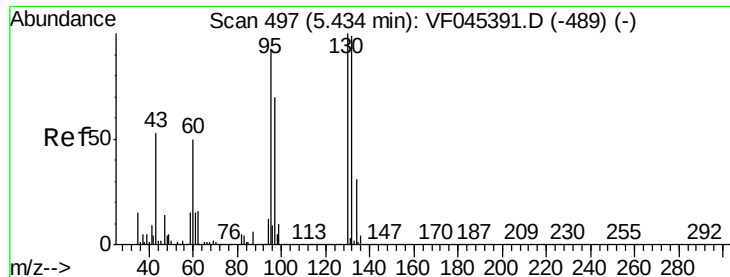
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#42
 Isopropyl Acetate
 Concen: 46.91 ug/l
 RT: 6.89 min Scan# 645
 Delta R.T. 0.00 min
 Lab File: VF045391.D
 Acq: 16 Sep 2015 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	580998		
61	37.4	29.8	44.6	
87	0.3	0.2	0.2#	





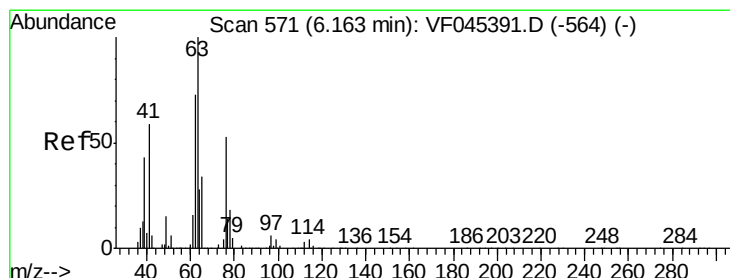
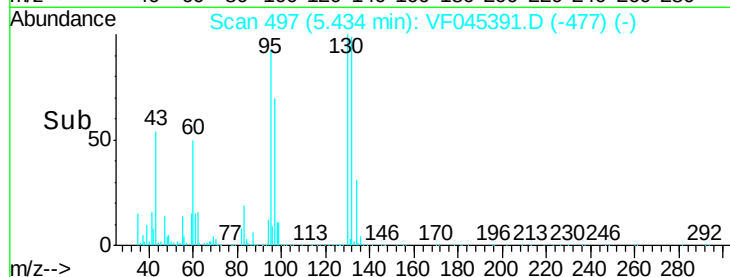
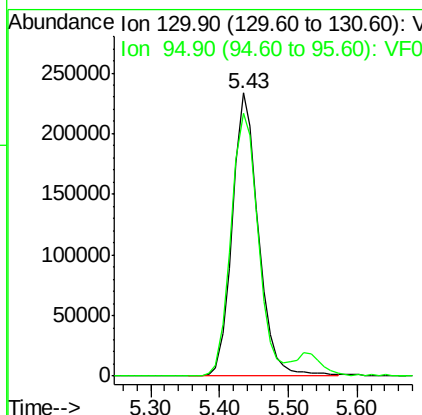
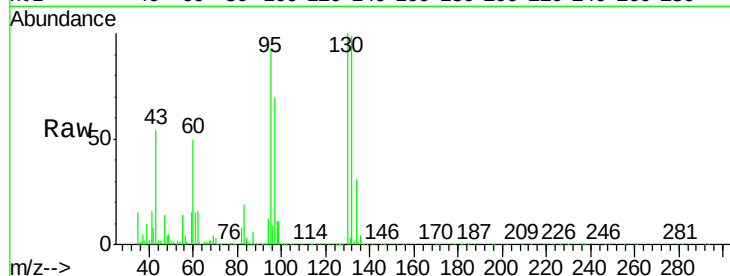
#43
 Trichloroethene
 Concen: 55.76 ug/l
 RT: 5.43 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VF045391.D
 Acq: 16 Sep 2015 14:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	192.2

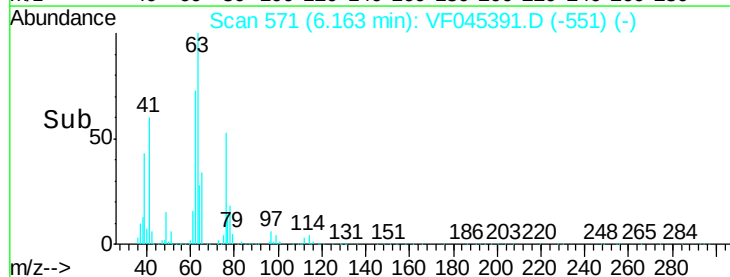
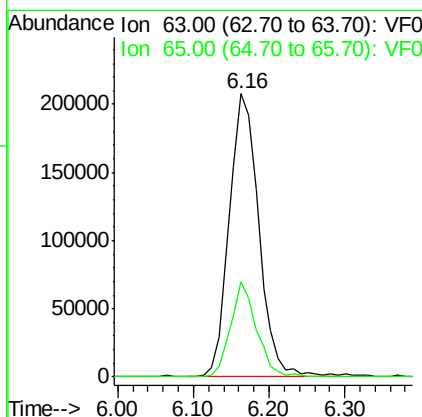
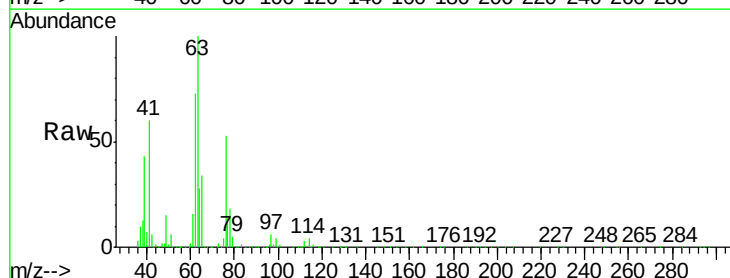
Manual Integrations
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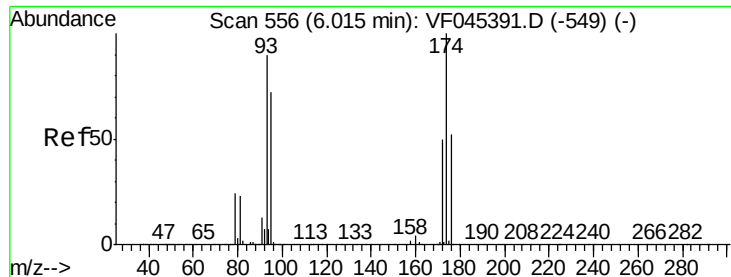
MMDadoda
 9/17/2015 12:50:50 PM



#44
 1,2-Dichloropropane
 Concen: 48.80 ug/l
 RT: 6.16 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VF045391.D
 Acq: 16 Sep 2015 14:40

Tgt Ion	Ratio	Lower	Upper
63	100		
65	33.8	25.6	38.4





#45

Dibromomethane

Concen: 56.95 ug/l

RT: 6.02 min Scan# 556

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

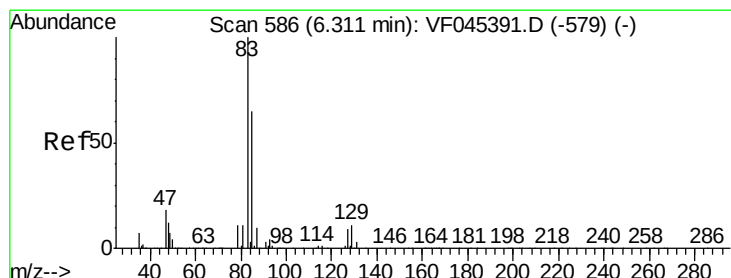
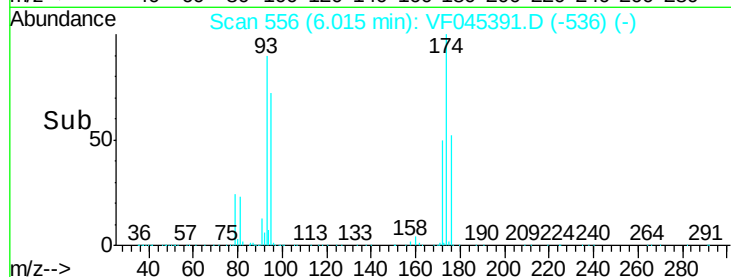
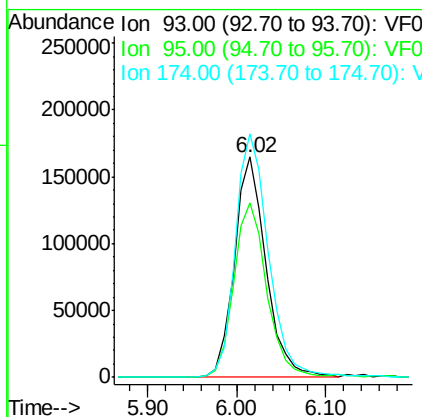
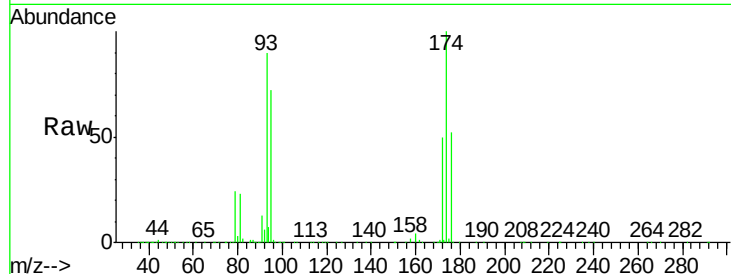
ClientSampleId :

VSTDICCC050

Tot Ion:	93	Resp:	407674
Ion	Ratio	Lower	Upper
93	100		
95	79.3	69.8	104.6
174	110.6	90.5	135.7

Manual Integrations
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#46

Bromodichloromethane

Concen: 59.20 ug/l

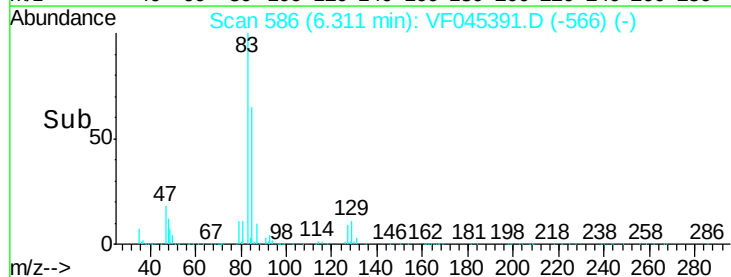
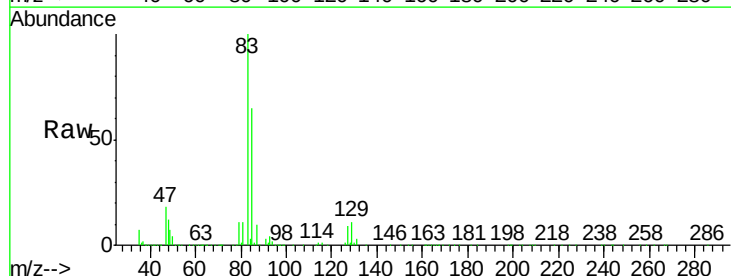
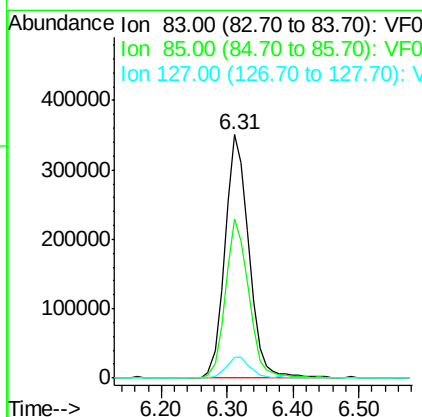
RT: 6.31 min Scan# 586

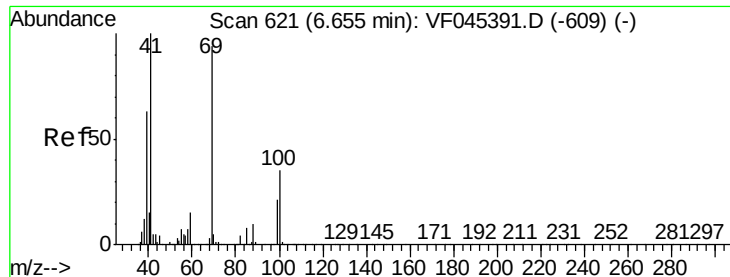
Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Tgt Ion:	83	Resp:	897304
Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.6	75.8
127	8.5	7.7	11.5





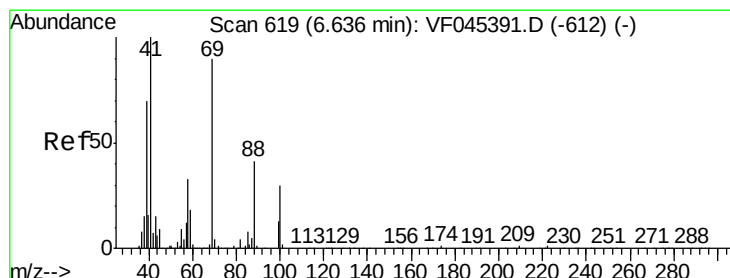
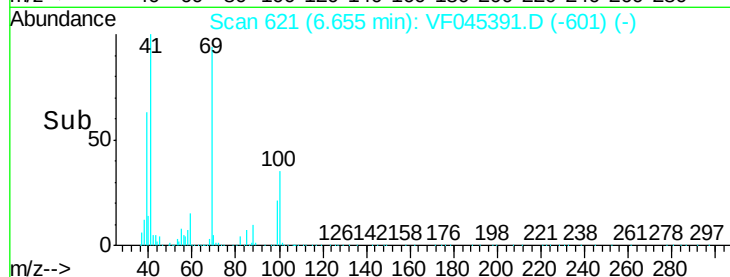
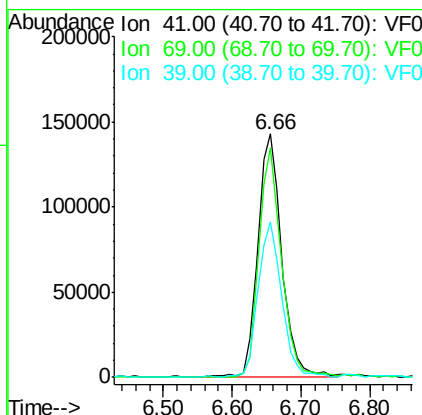
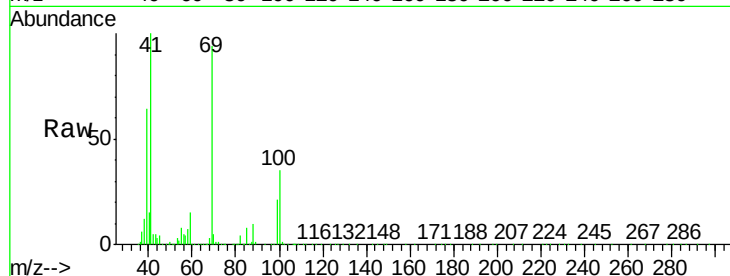
#47
Methyl methacrylate
Concen: 47.91 ug/l
RT: 6.66 min Scan# 621
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
41	100		
69	94.0	63.3	94.9
39	63.5	48.9	73.3

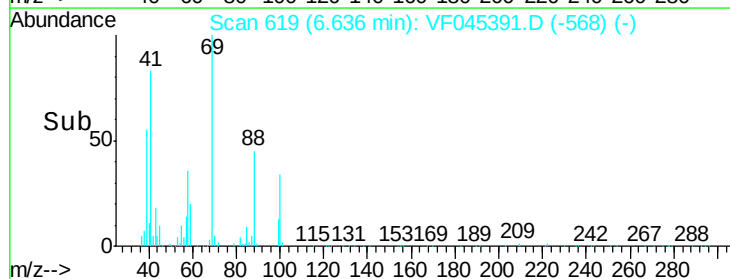
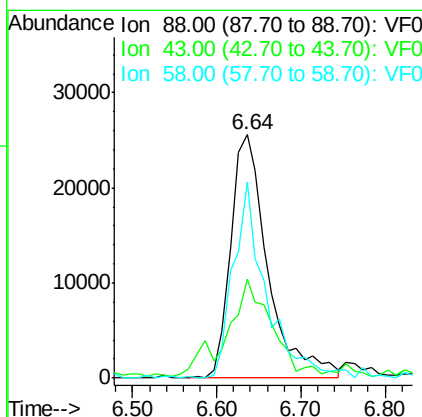
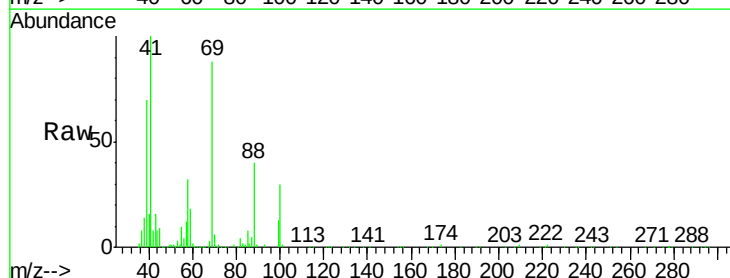
Manual Integrations
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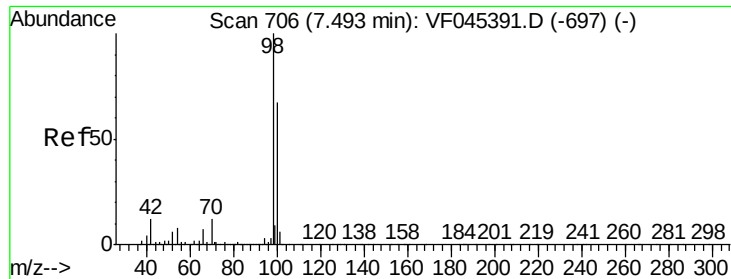
MMDadoda
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#48
1,4-Dioxane
Concen: 1071.75 ug/l
RT: 6.64 min Scan# 619
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Tgt Ion	Ratio	Lower	Upper
88	100		
43	40.7	34.5	51.7
58	80.5	46.5	69.7#





#49

Toluene-d8

Concen: 50.91 ug/l

RT: 7.49 min Scan# 706

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 98 Resp: 1876668

Ion Ratio Lower Upper

98 100

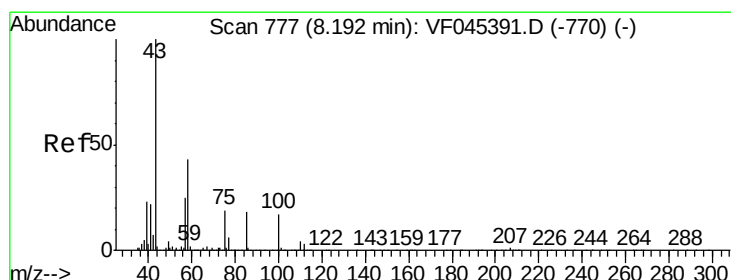
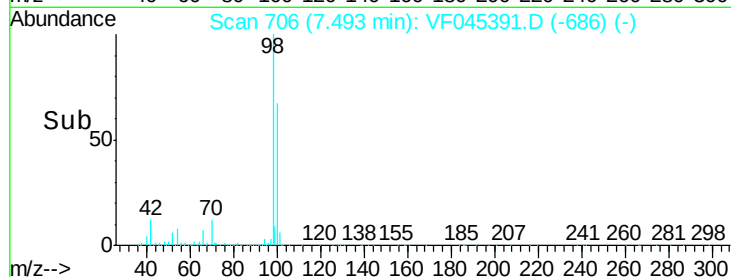
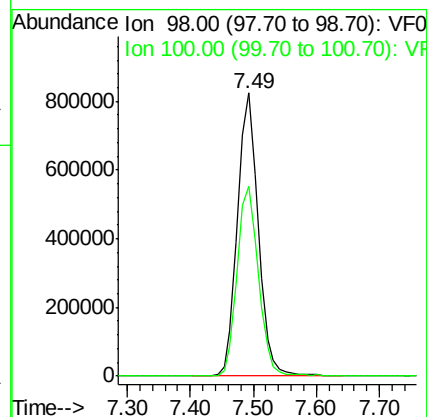
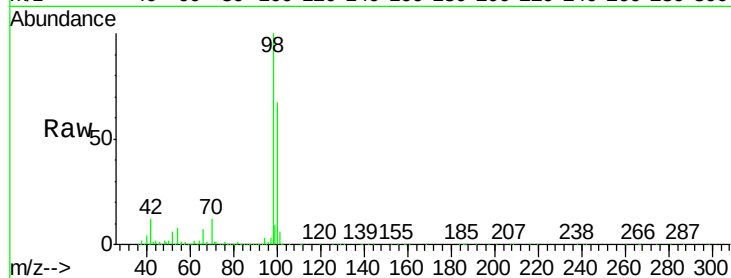
100 66.9 54.4 81.6

Manual Integrations

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#50

4-Methyl-2-Pentanone

Concen: 229.94 ug/l

RT: 8.19 min Scan# 777

Delta R.T. 0.00 min

Lab File: VF045391.D

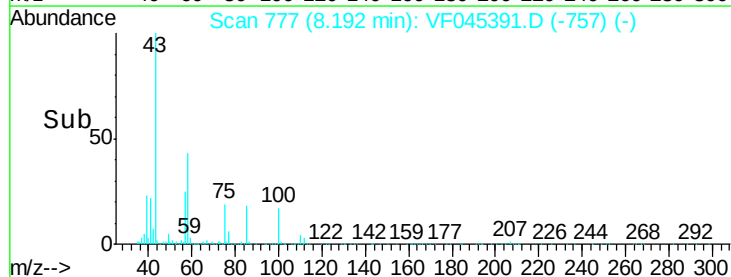
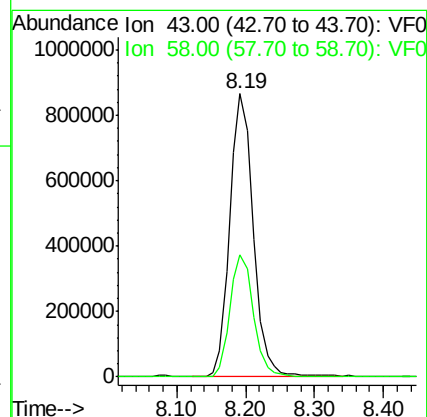
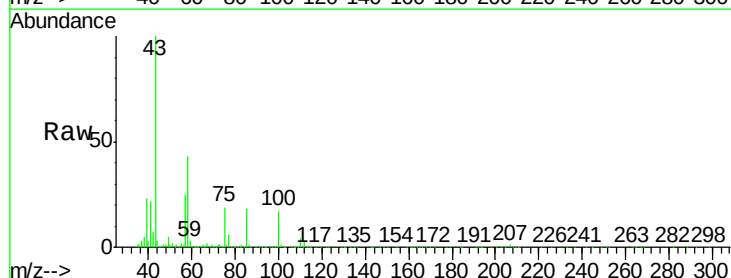
Acq: 16 Sep 2015 14:40

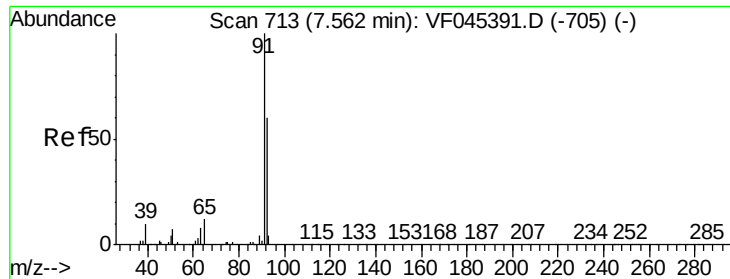
Tgt Ion: 43 Resp: 2051139

Ion Ratio Lower Upper

43 100

58 43.0 33.6 50.4





#51

Toluene

Concen: 53.20 ug/l

RT: 7.56 min Scan# 713

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 92 Resp: 1393790

Ion Ratio Lower Upper

92 100

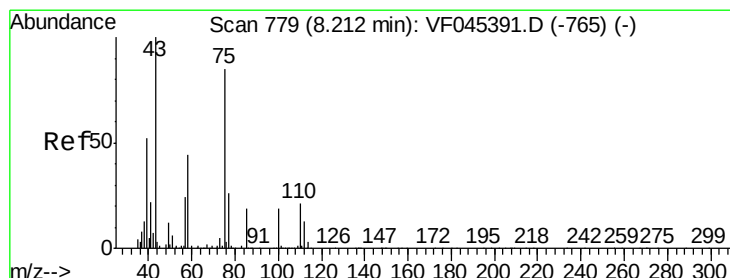
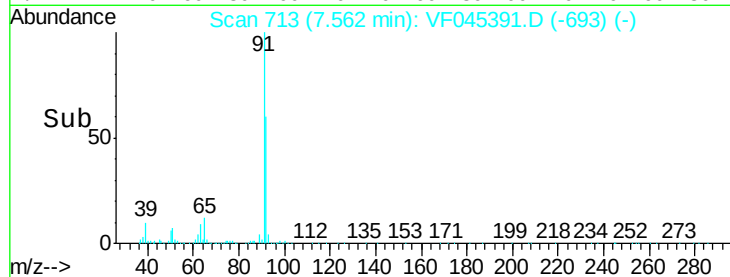
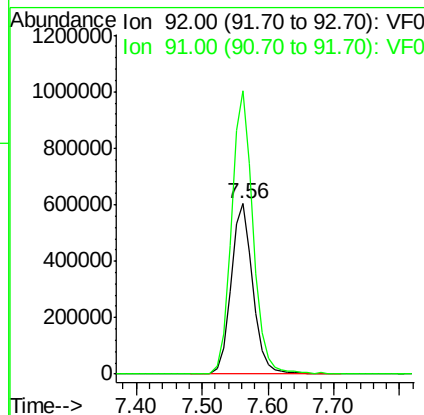
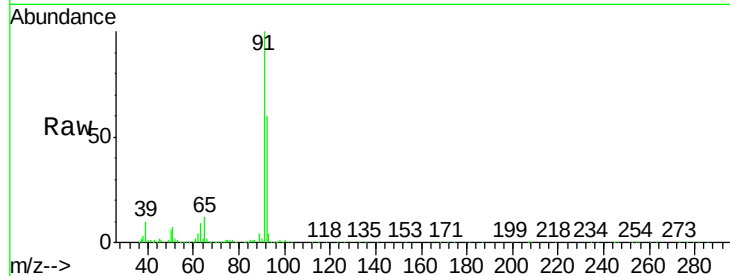
91 166.0 133.4 200.0

Manual Integrations

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#52

t-1,3-Dichloropropene

Concen: 55.91 ug/l

RT: 8.21 min Scan# 779

Delta R.T. 0.00 min

Lab File: VF045391.D

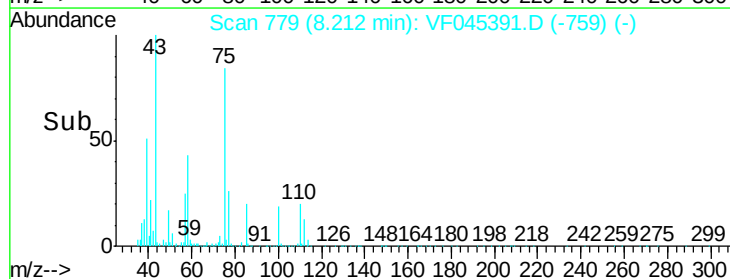
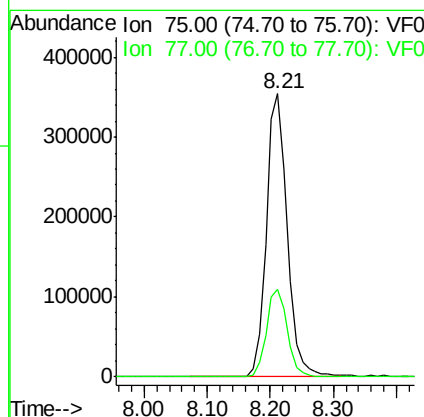
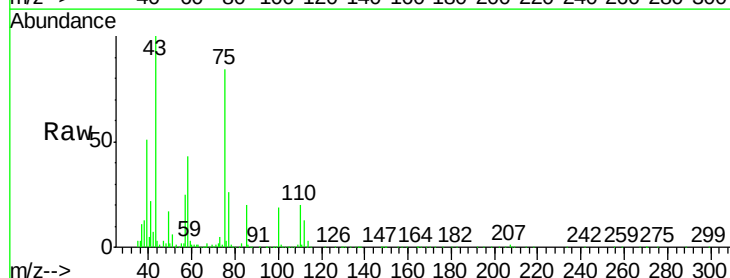
Acq: 16 Sep 2015 14:40

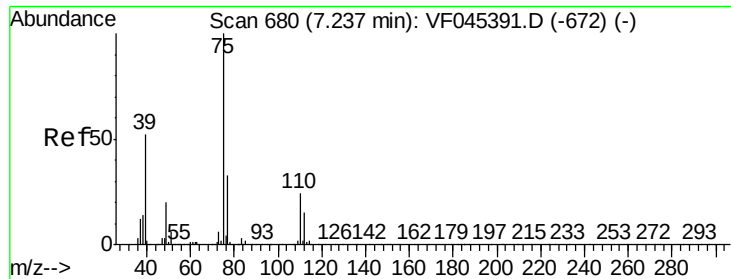
Tgt Ion: 75 Resp: 813065

Ion Ratio Lower Upper

75 100

77 31.1 28.1 42.1





#53

cis-1,3-Dichloropropene

Concen: 52.15 ug/l

RT: 7.24 min Scan# 680

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

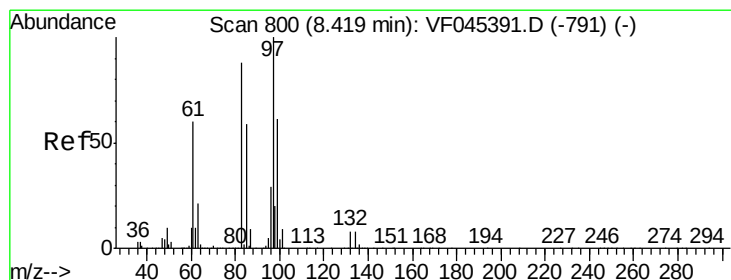
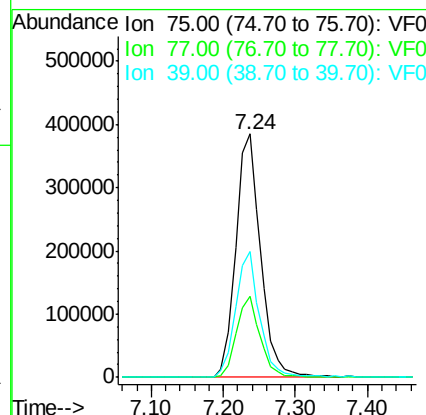
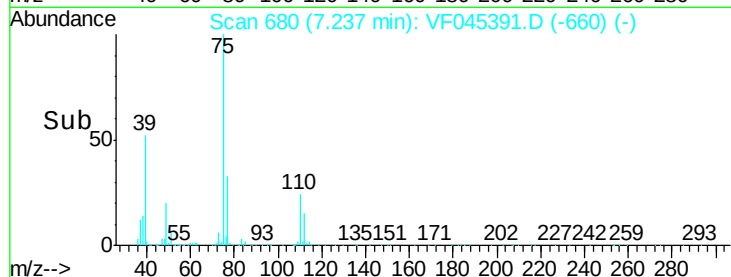
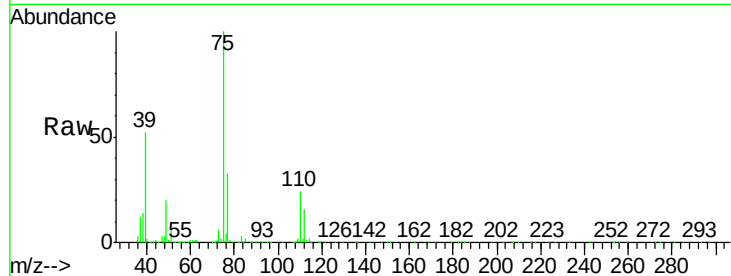
ClientSampleId :

VSTDICCC050

Tot Ion:	75	Resp:	926495
Ion Ratio		Lower	Upper
75	100		
77	33.2	25.5	38.3
39	51.9	41.6	62.4

Manual Integrations
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#54

1,1,2-Trichloroethane

Concen: 54.86 ug/l

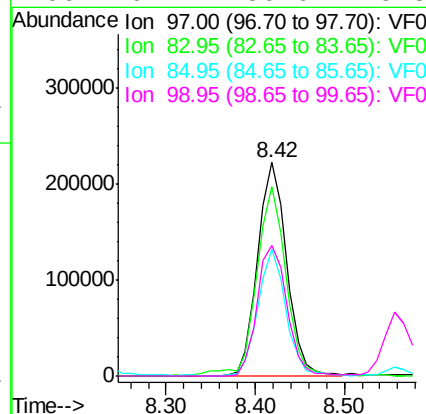
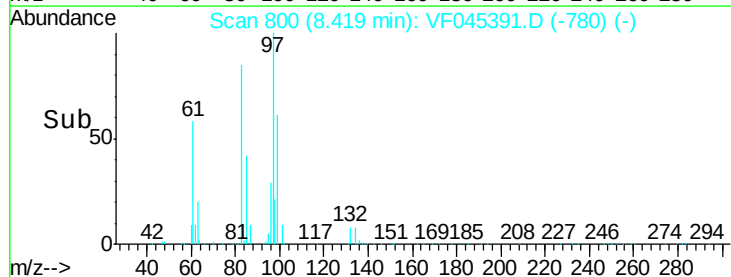
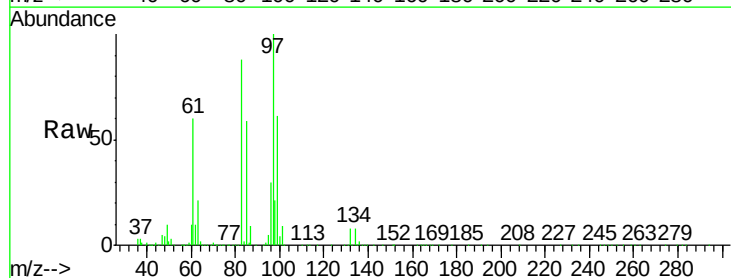
RT: 8.42 min Scan# 800

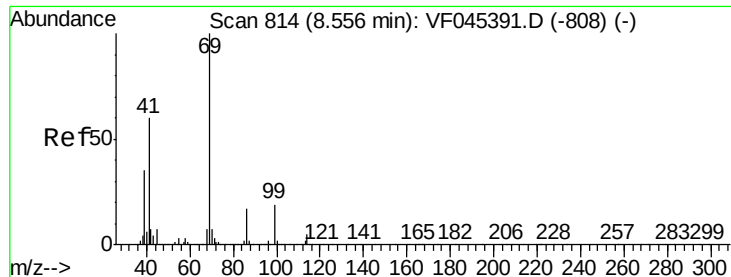
Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Tgt Ion:	97	Resp:	498092
Ion Ratio		Lower	Upper
97	100		
83	88.5	70.1	105.1
85	59.3	47.4	71.2
99	61.2	50.6	75.8





#55

Ethyl methacrylate

Concen: 54.21 ug/l

RT: 8.56 min Scan# 814

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

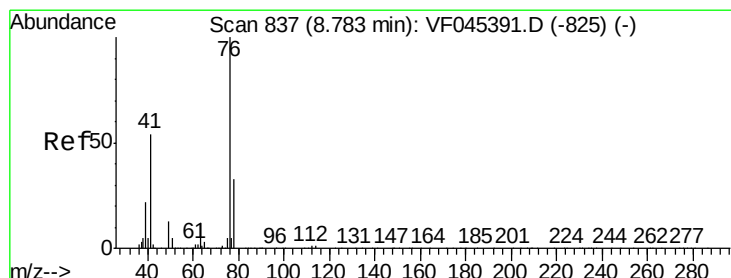
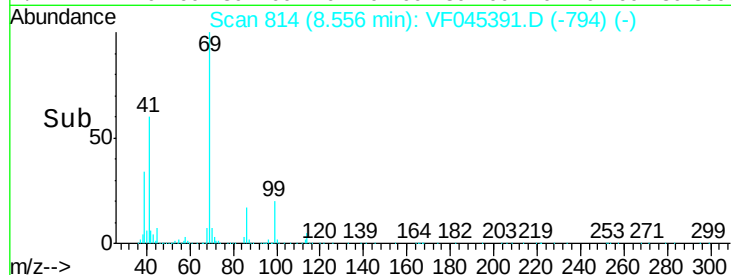
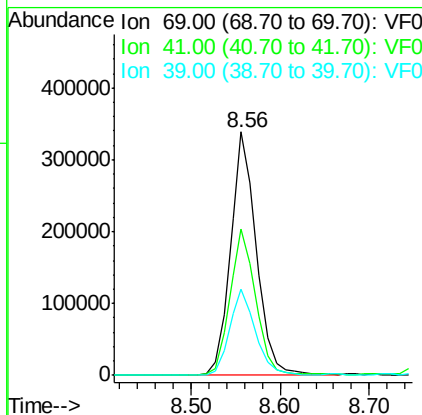
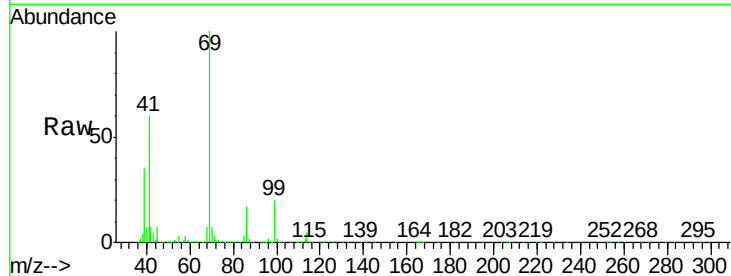
ClientSampleId :

VSTDICCC050

Tot Ion:	69	Resp:	685668
Ion	Ratio	Lower	Upper
69	100		
41	60.1	51.0	76.4
39	35.2	29.1	43.7

Manual Integrations
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#56

1,3-Dichloropropane

Concen: 51.70 ug/l

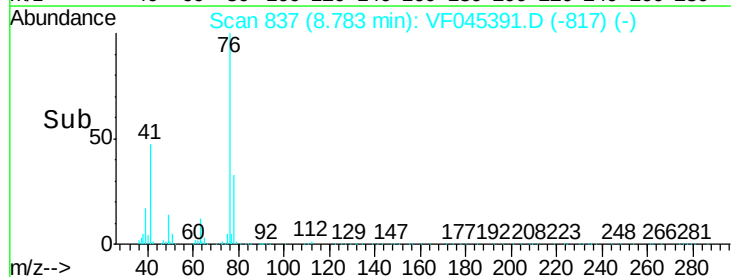
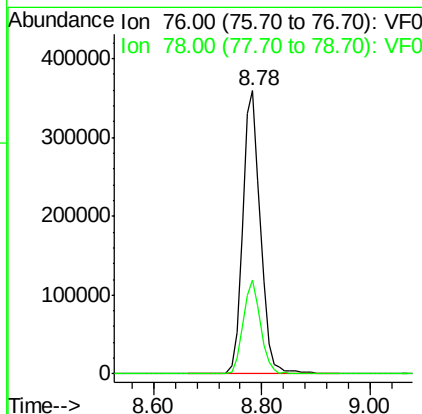
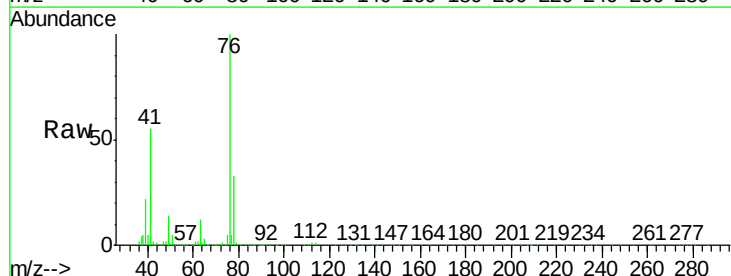
RT: 8.78 min Scan# 837

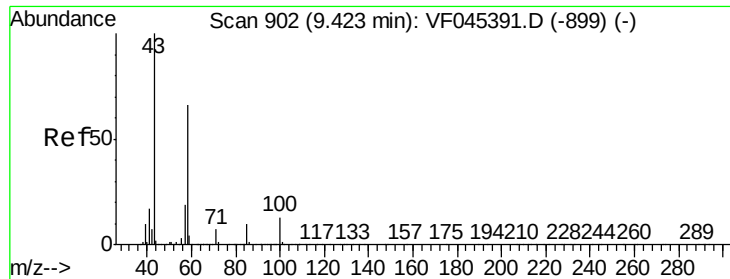
Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Tgt Ion:	76	Resp:	812809
Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.1	39.1





#58

2-Hexanone

Concen: 234.28 ug/l

RT: 9.42 min Scan# 902

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1656811

Ion Ratio Lower Upper

43 100

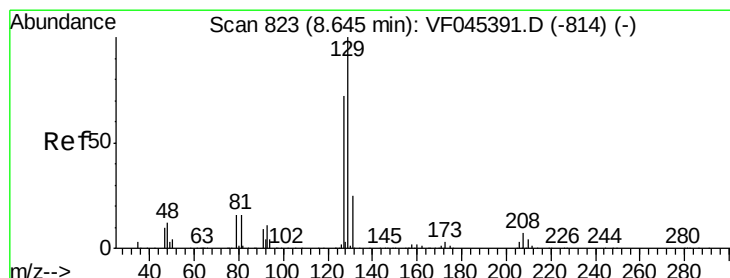
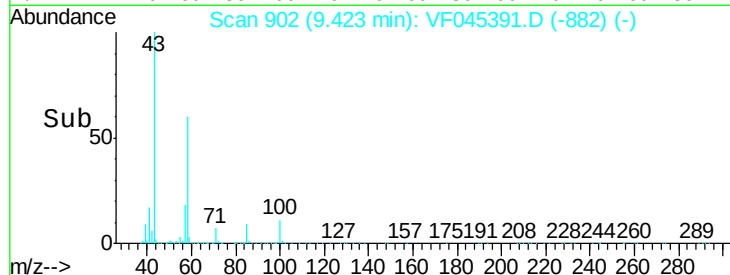
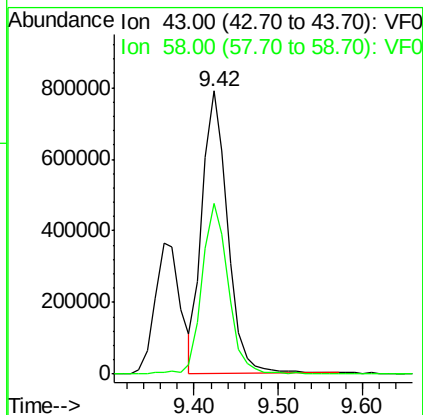
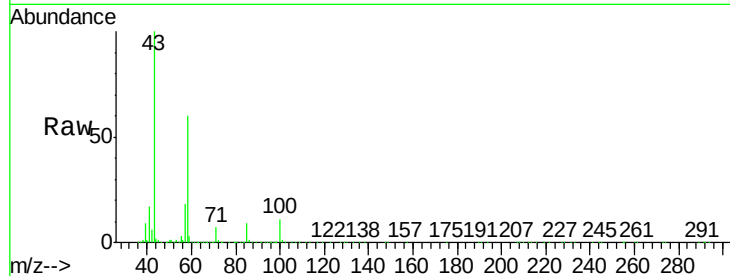
58 60.2 28.8 86.5

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#59

Dibromochloromethane

Concen: 62.80 ug/l

RT: 8.65 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF045391.D

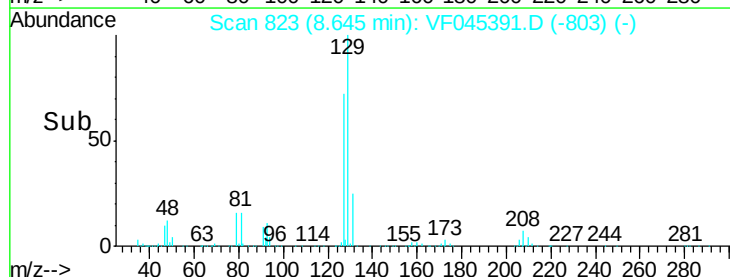
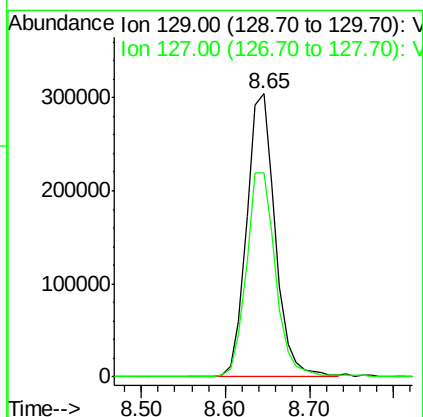
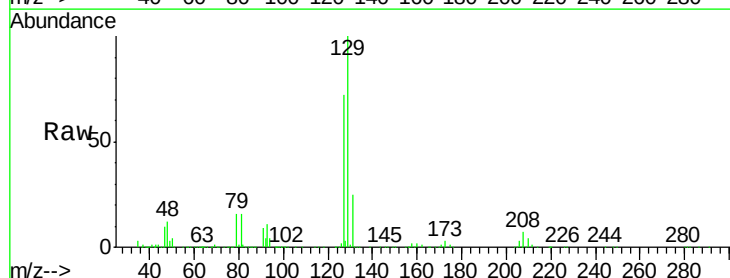
Acq: 16 Sep 2015 14:40

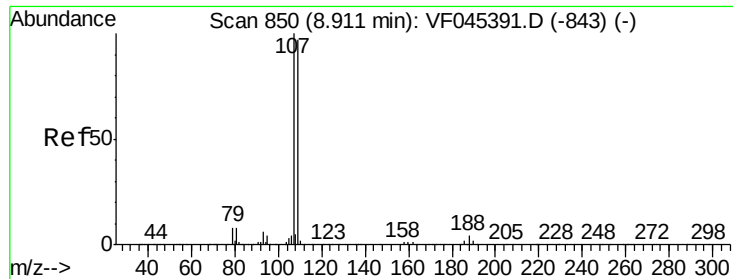
Tgt Ion: 129 Resp: 719516

Ion Ratio Lower Upper

129 100

127 72.2 38.2 114.6





#60

1,2-Dibromoethane

Concen: 58.17 ug/l

RT: 8.91 min Scan# 850

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 594359

Ion Ratio Lower Upper

107 100

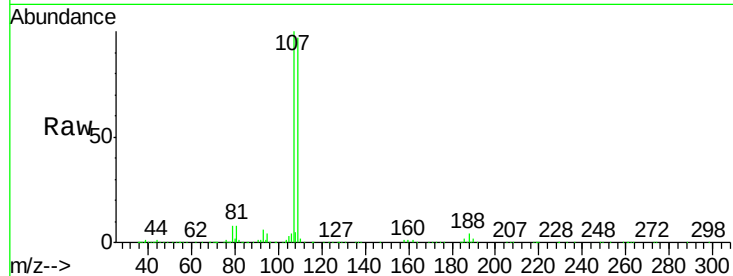
109 96.9 79.4 119.0

Manual Integrations

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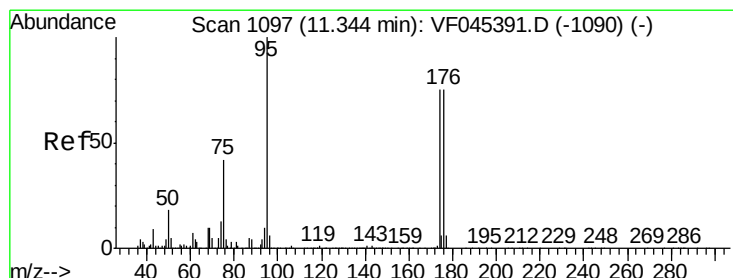
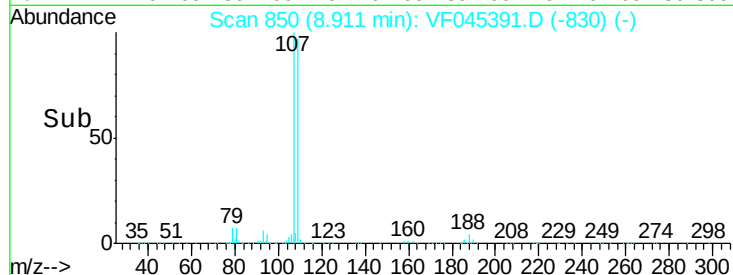
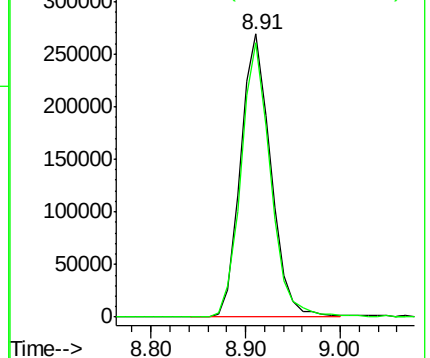
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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#61

4-Bromofluorobenzene

Concen: 54.37 ug/l

RT: 11.34 min Scan# 1097

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

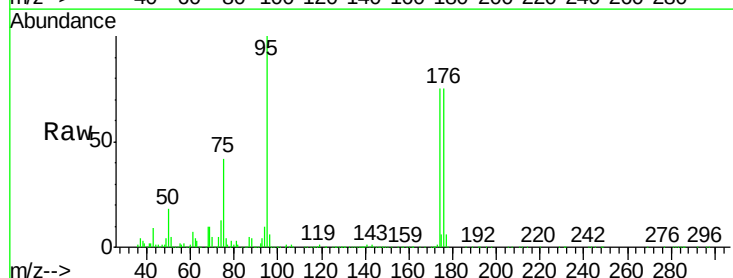
Tgt Ion: 95 Resp: 916181

Ion Ratio Lower Upper

95 100

174 75.3 0.0 177.8

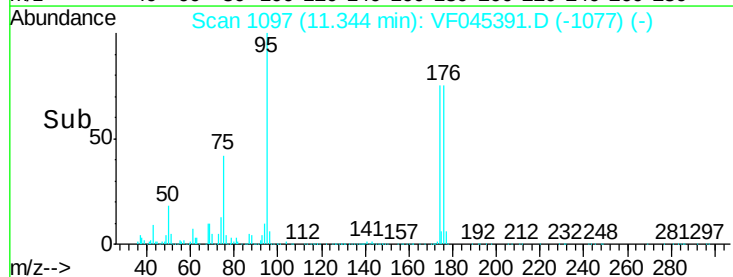
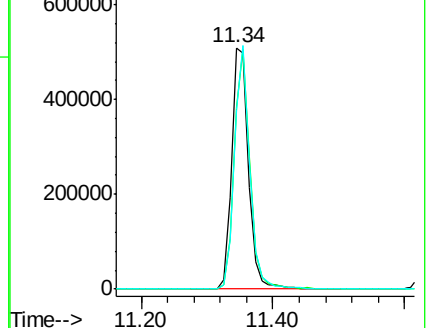
176 74.7 0.0 176.2

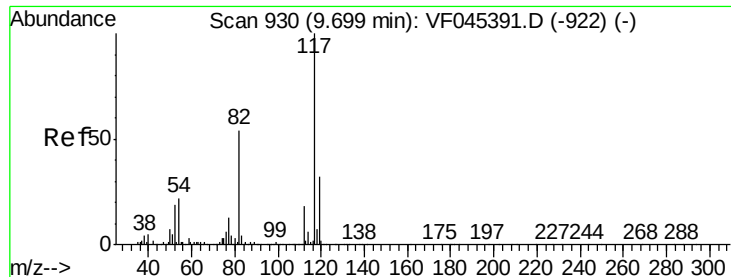


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





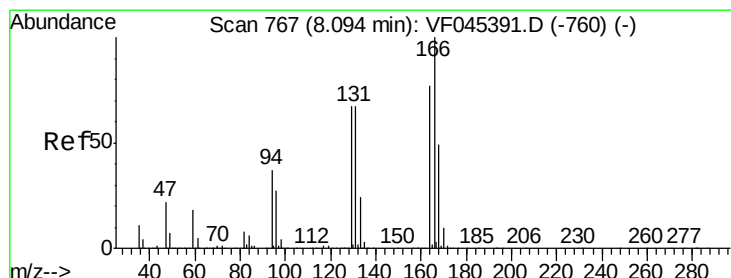
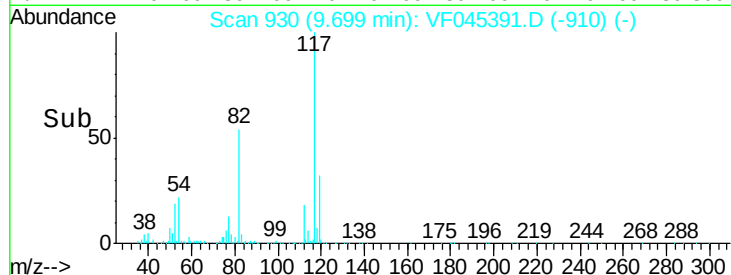
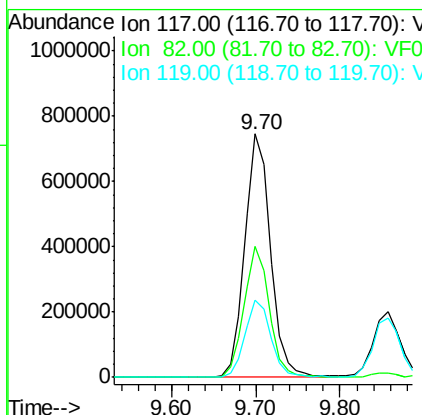
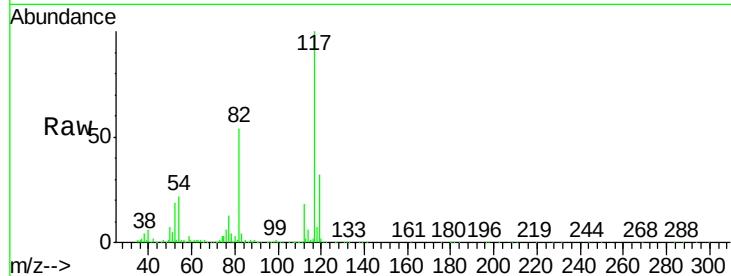
#62
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.70 min Scan# 930
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	45.0	67.6
119	31.8	26.2	39.4

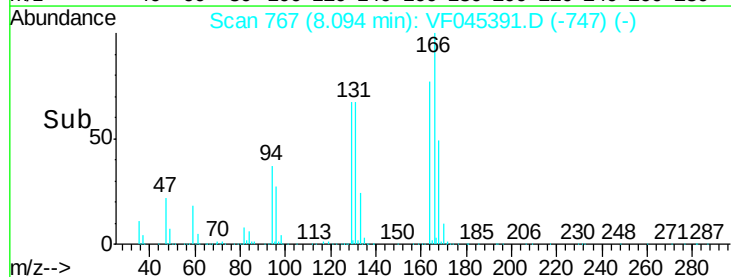
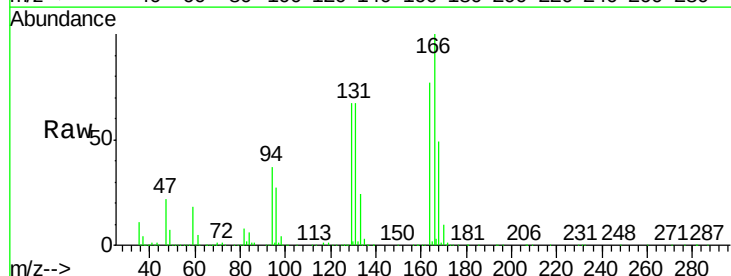
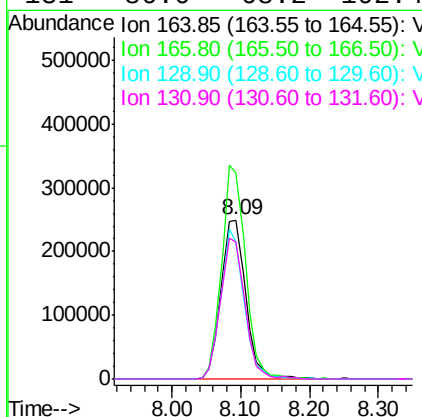
Manual Integrations
APPROVED

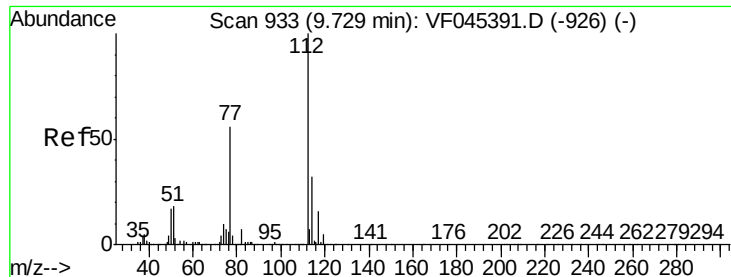
MMDadoda
9/17/2015 12:50:50 PM



#63
Tetrachloroethene
Concen: 56.71 ug/l
RT: 8.09 min Scan# 767
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	106.0	159.0
129	86.0	69.8	104.6
131	86.0	68.2	102.4





#64

Chlorobenzene

Concen: 52.09 ug/l

RT: 9.73 min Scan# 933

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 1707884

Ion Ratio Lower Upper

112 100

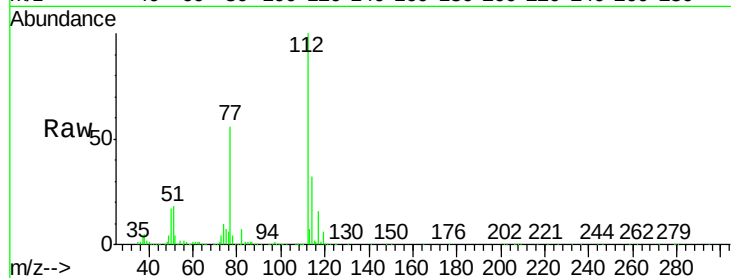
114 31.6 25.6 38.4

Manual Integrations

APPROVED

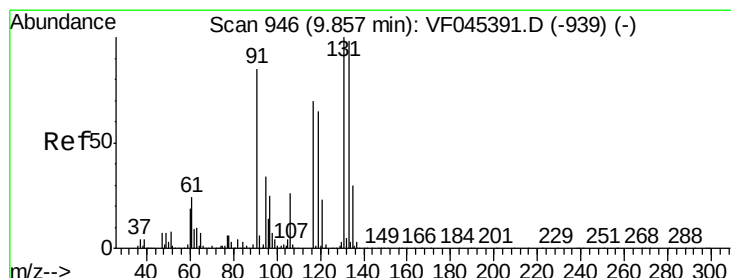
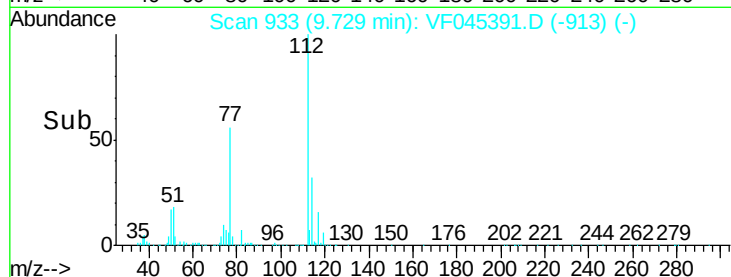
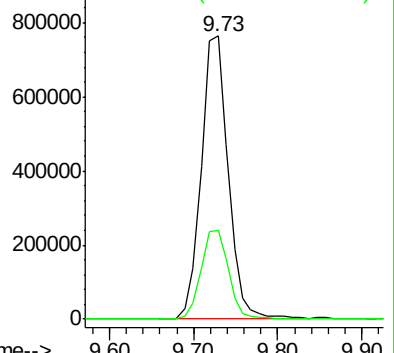
MMDadoda

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#65

1,1,1,2-Tetrachloroethane

Concen: 54.71 ug/l

RT: 9.86 min Scan# 946

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

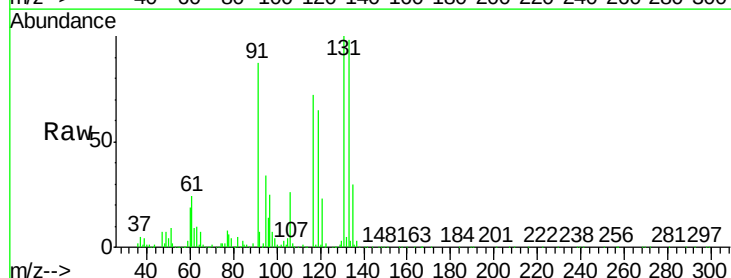
Tgt Ion:131 Resp: 616122

Ion Ratio Lower Upper

131 100

133 97.8 48.1 144.4

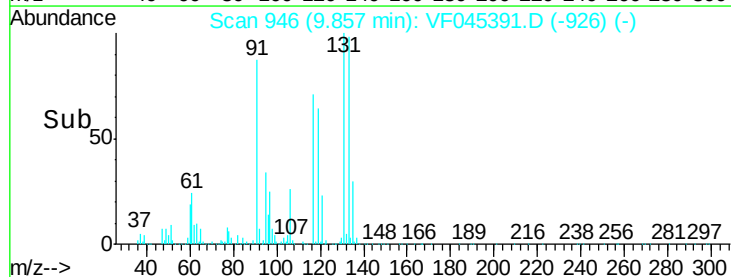
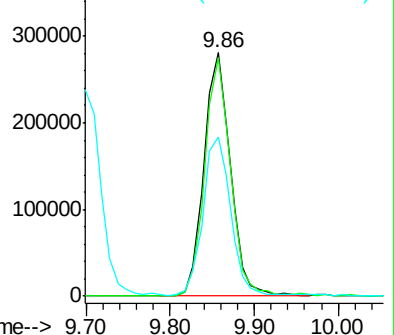
119 65.2 34.8 104.5

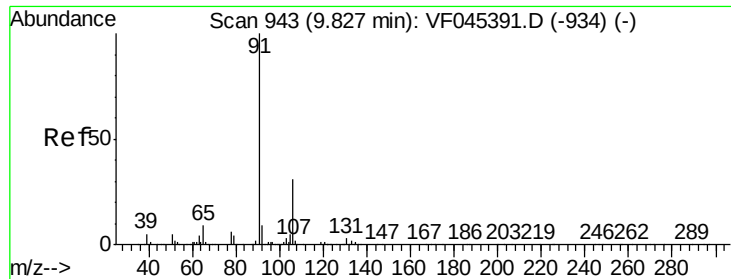


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





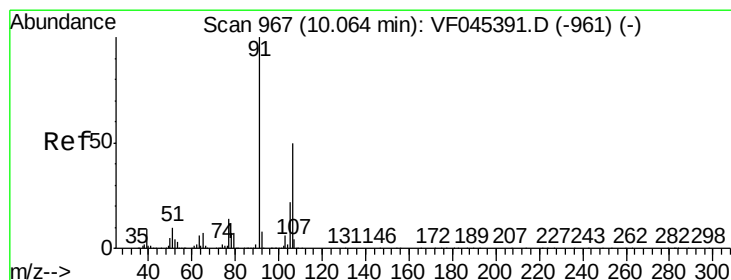
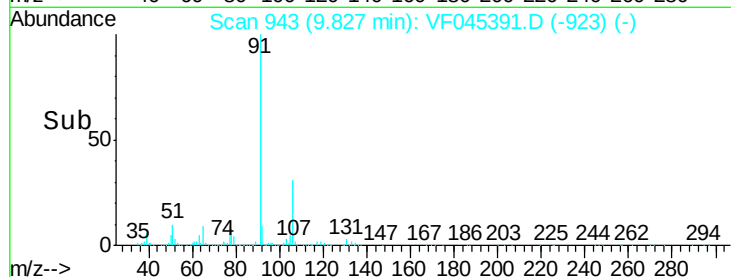
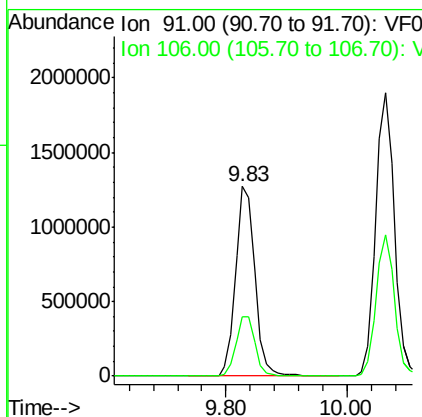
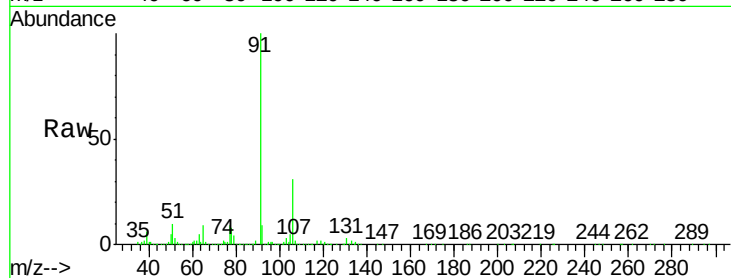
#66
Ethyl Benzene
Concen: 48.32 ug/l
RT: 9.83 min Scan# 943
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 2814064
Ion Ratio Lower Upper
91 100
106 31.2 23.6 35.4

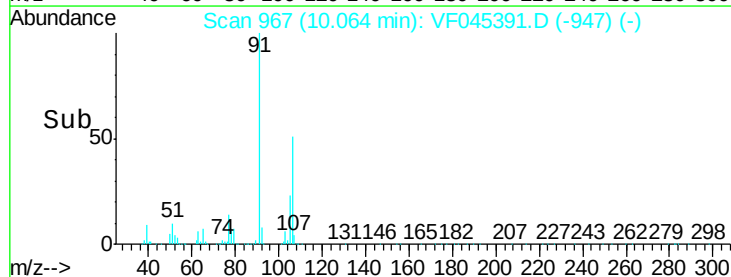
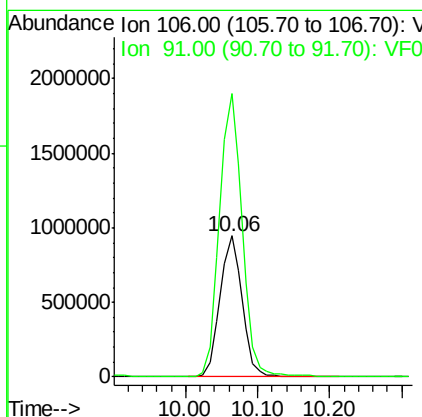
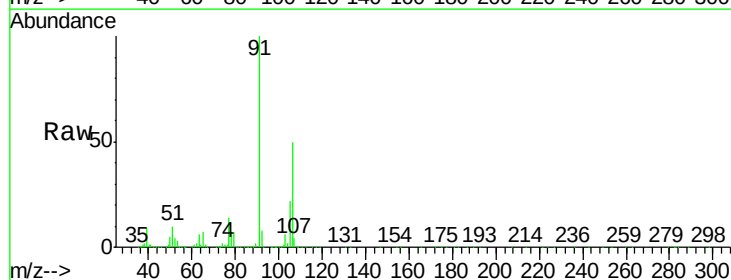
Manual Integrations
APPROVED

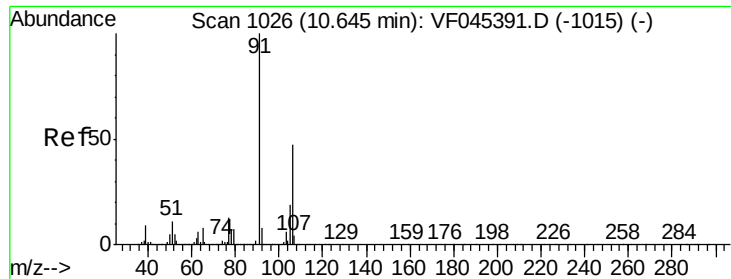
MMDadoda
9/17/2015 12:50:50 PM



#67
m/p-Xylenes
Concen: 99.44 ug/l
RT: 10.06 min Scan# 967
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Tgt Ion: 106 Resp: 2007292
Ion Ratio Lower Upper
106 100
91 201.1 166.1 249.1





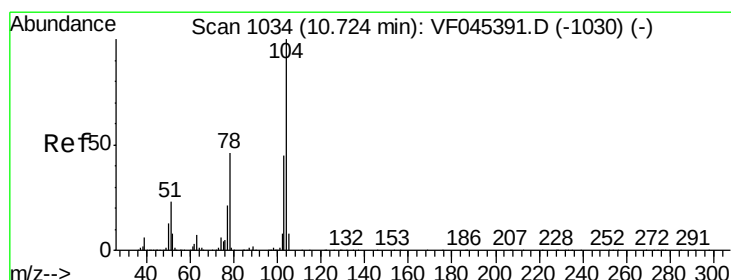
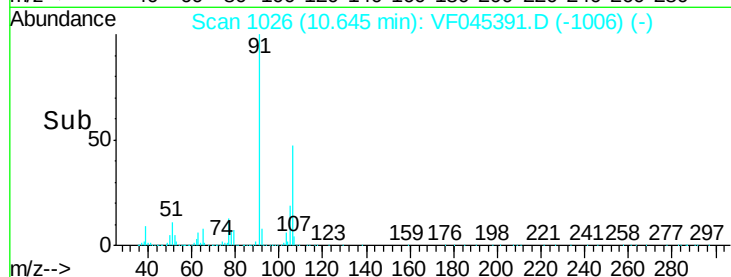
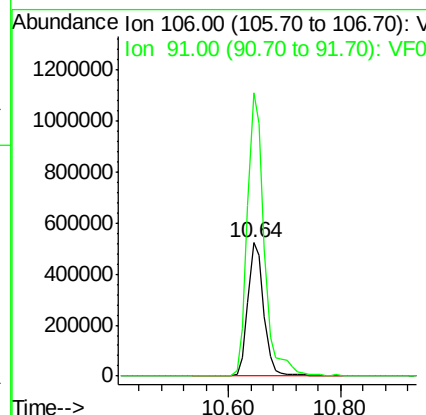
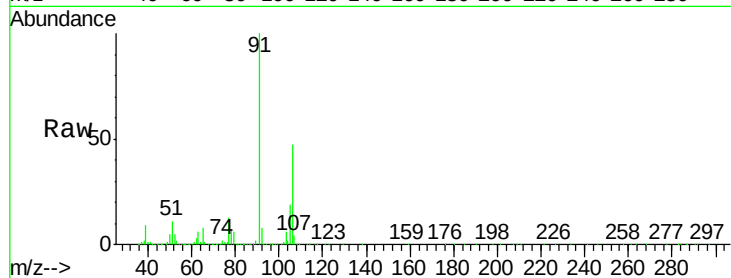
#68
o-Xylene
Concen: 48.71 ug/l
RT: 10.64 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 1029776
Ion Ratio Lower Upper
106 100
91 212.0 108.1 324.2

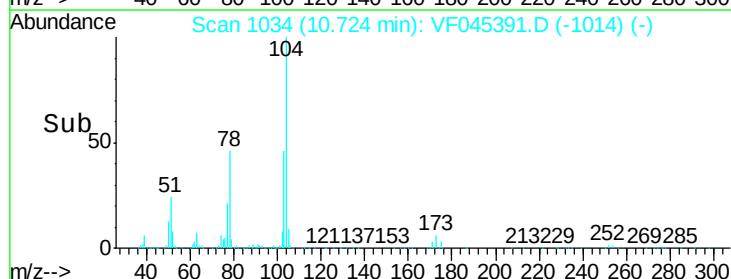
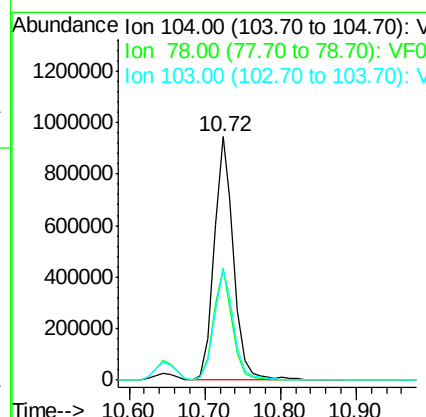
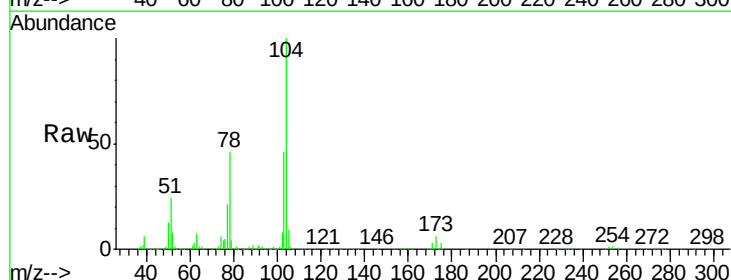
Manual Integrations
APPROVED

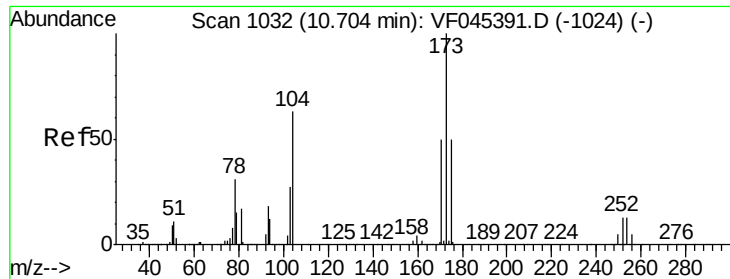
MMDadoda
9/17/2015 12:50:50 PM



#69
Styrene
Concen: 49.89 ug/l
RT: 10.72 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Tgt Ion:104 Resp: 1691010
Ion Ratio Lower Upper
104 100
78 46.1 34.2 51.4
103 45.6 36.7 55.1





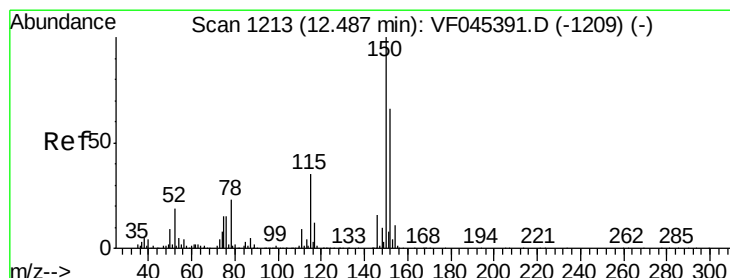
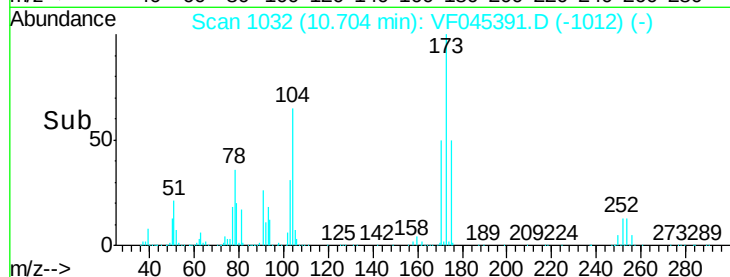
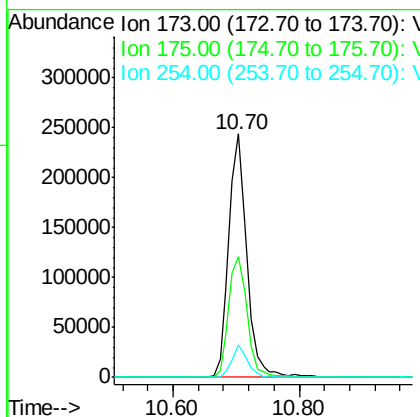
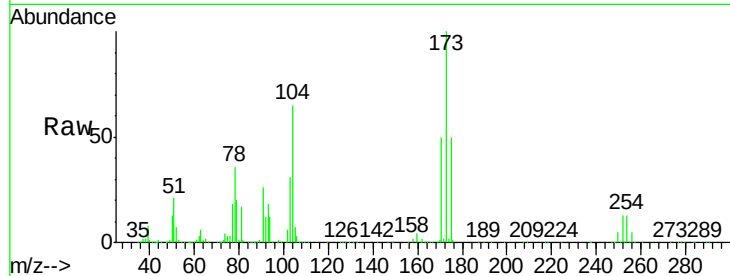
#70
Bromoform
Concen: 60.69 ug/l
RT: 10.70 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	25.7	77.0
254	13.2	9.8	14.6

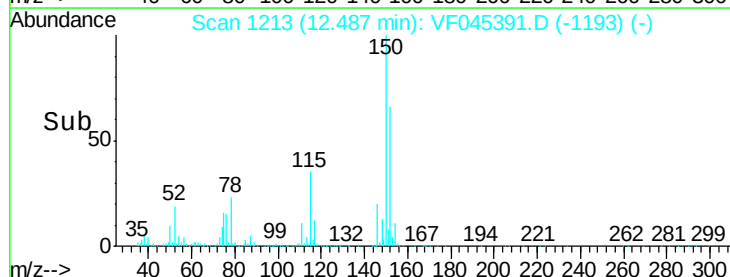
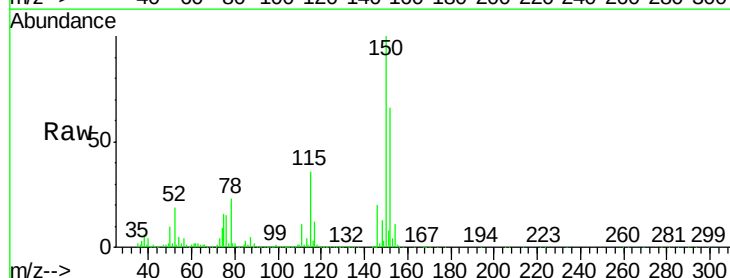
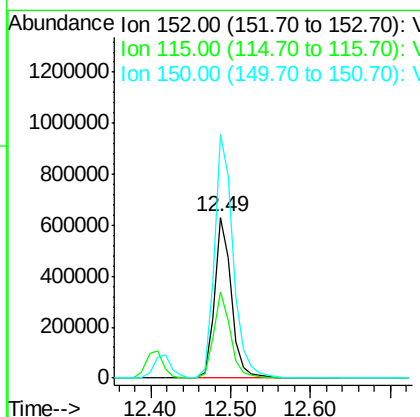
Manual Integrations
APPROVED

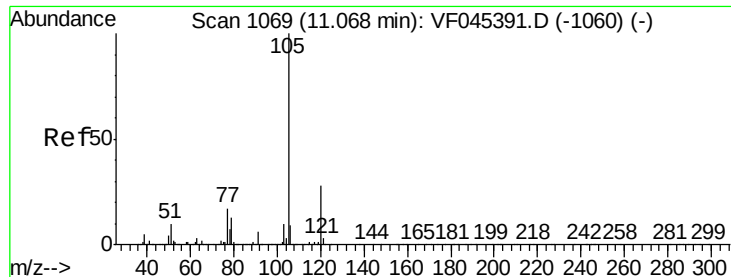
MMDadoda
9/17/2015 12:50:50 PM



#71
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.49 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.7	28.3	85.0
150	151.2	0.0	324.2





#72

Isopropylbenzene

Concen: 44.28 ug/l

RT: 11.07 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 3035508

Ion Ratio Lower Upper

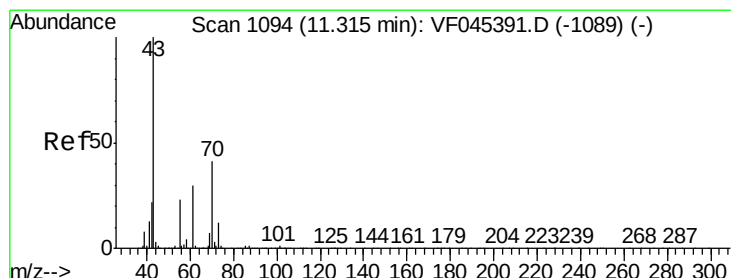
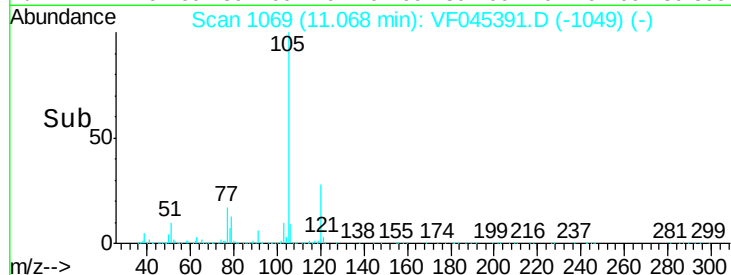
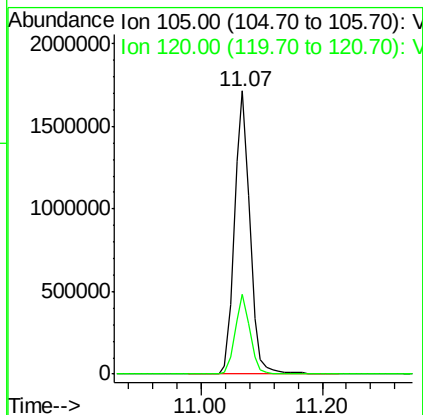
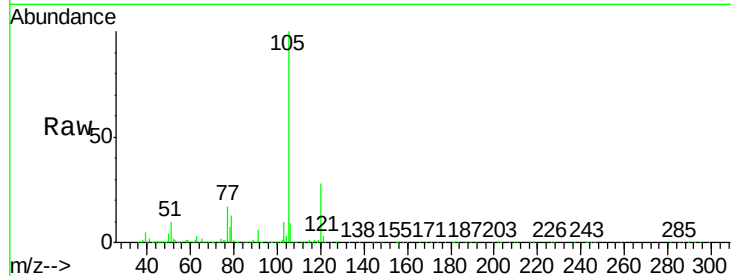
105 100

120 28.3 13.0 39.0

Manual Integrations
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9/17/2015 12:50:50 PM



#73

N-ethyl acetate

Concen: 40.72 ug/l

RT: 11.31 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Tgt Ion: 43 Resp: 964753

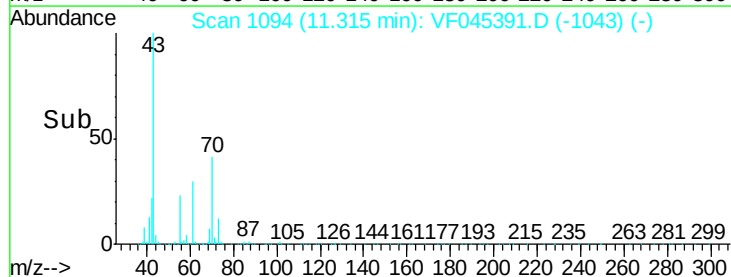
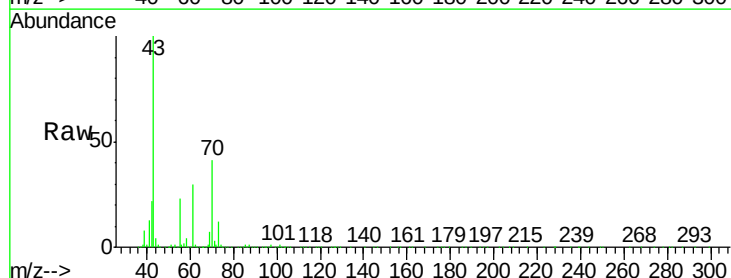
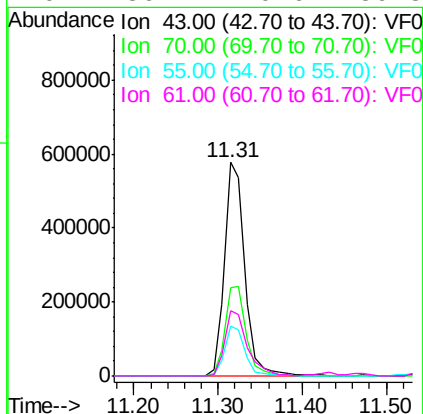
Ion Ratio Lower Upper

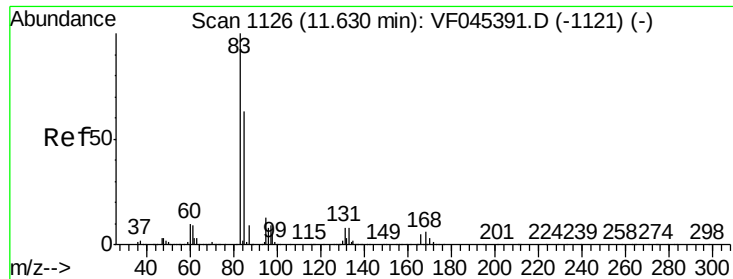
43 100

70 41.4 30.0 45.0

55 23.2 16.8 25.2

61 30.4 20.6 30.8





#74

1,1,2,2-Tetrachloroethane

Concen: 44.62 ug/l

RT: 11.63 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 734473
Ion Ratio Lower Upper

83 100

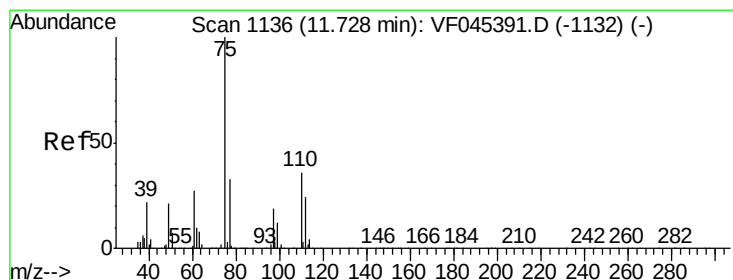
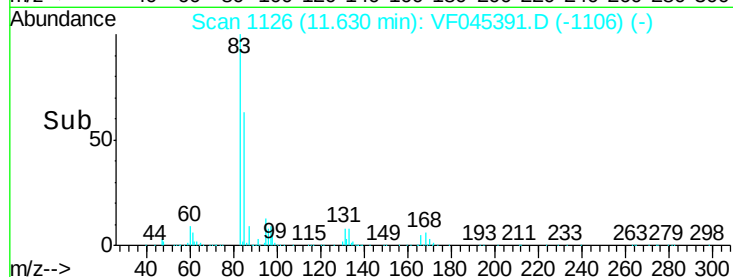
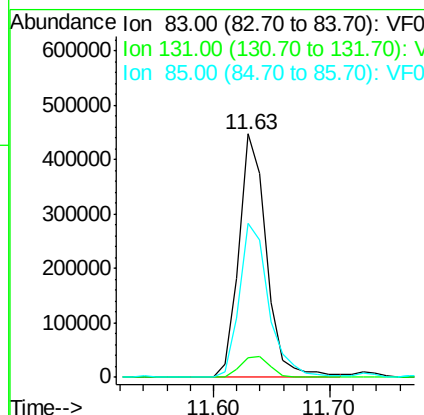
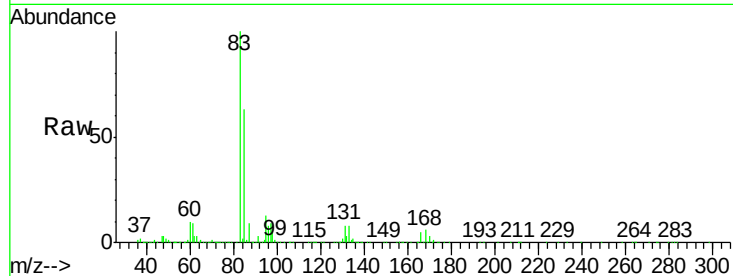
131 8.3 4.2 12.6

85 63.2 32.5 97.5

Manual Integrations
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9/17/2015 12:50:50 PM



#75

1,2,3-Trichloropropane

Concen: 44.85 ug/l

RT: 11.73 min Scan# 1136

Delta R.T. 0.00 min

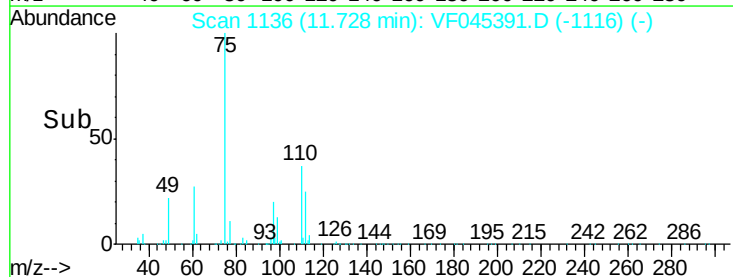
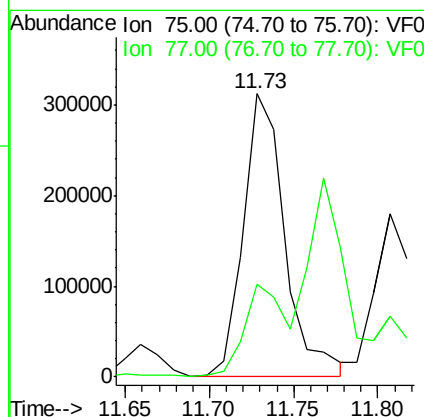
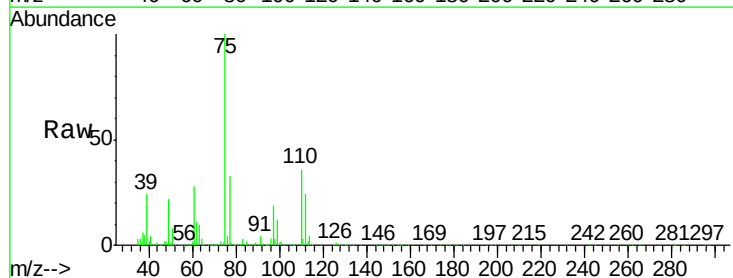
Lab File: VF045391.D

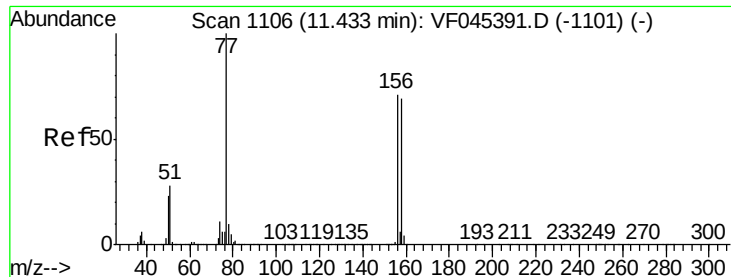
Acq: 16 Sep 2015 14:40

Tgt Ion: 75 Resp: 531342
Ion Ratio Lower Upper

75 100

77 32.8 15.0 45.1





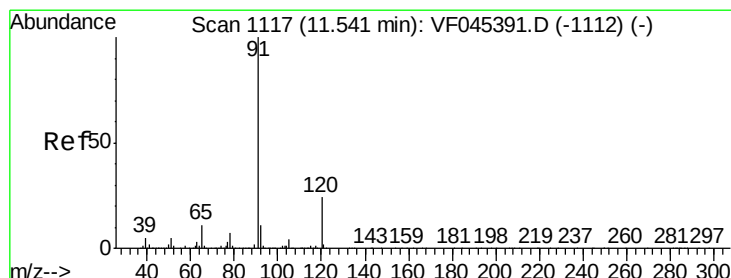
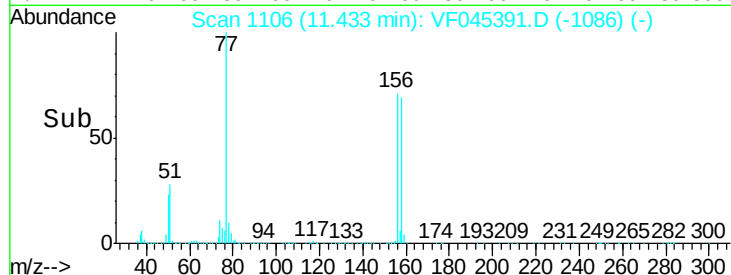
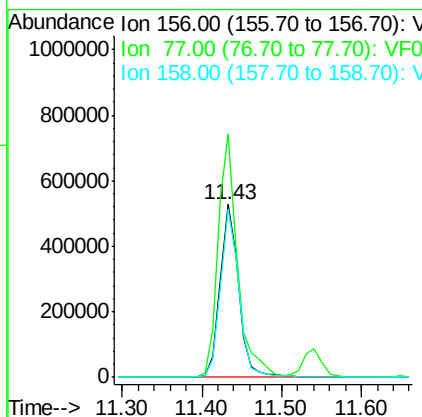
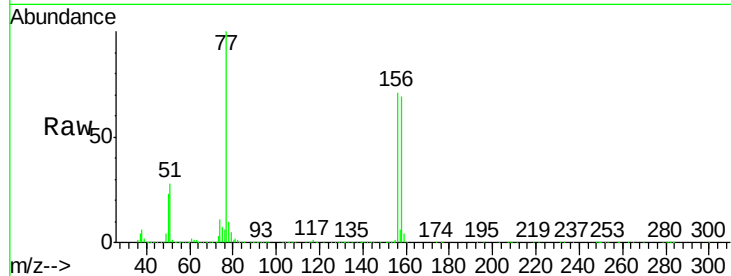
#76
Bromobenzene
Concen: 49.67 ug/l
RT: 11.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	140.8	74.8	224.3
158	96.9	49.5	148.7

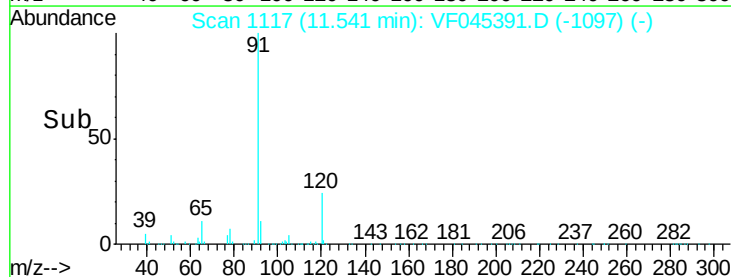
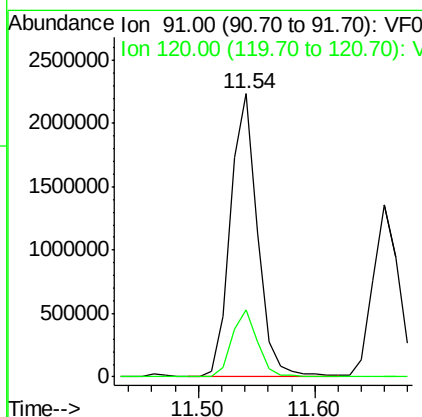
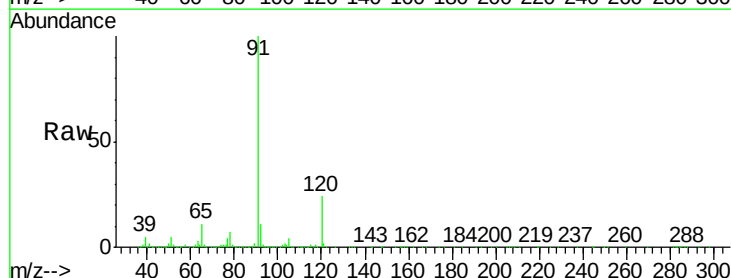
Manual Integrations
APPROVED

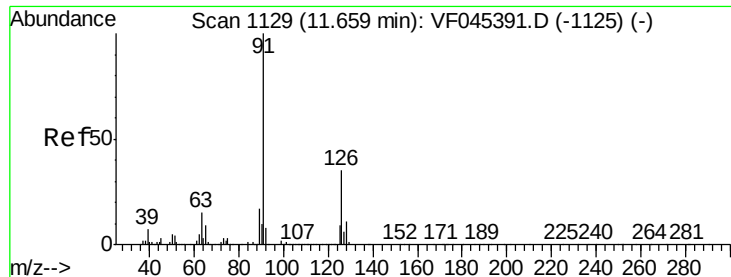
MMDadoda
9/17/2015 12:50:50 PM



#77
n-propylbenzene
Concen: 40.81 ug/l
RT: 11.54 min Scan# 1117
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.6	34.7





#78

2-Chlorotoluene

Concen: 42.87 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 2092779

Ion Ratio Lower Upper

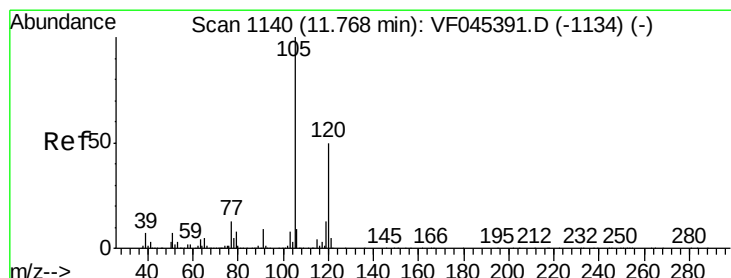
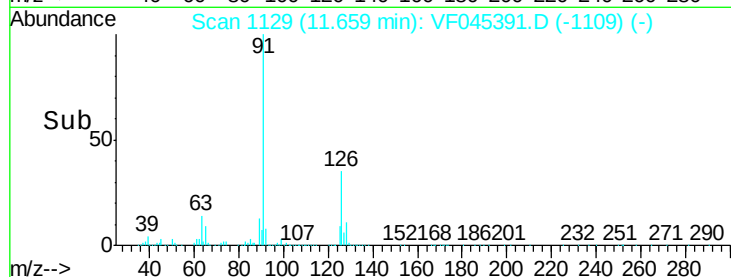
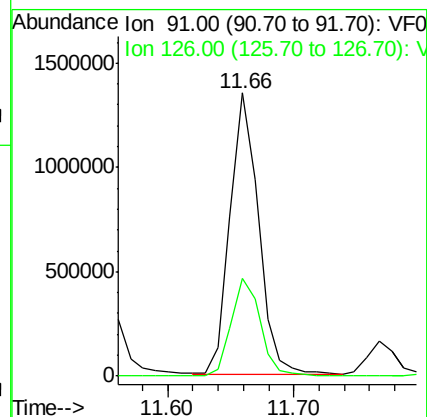
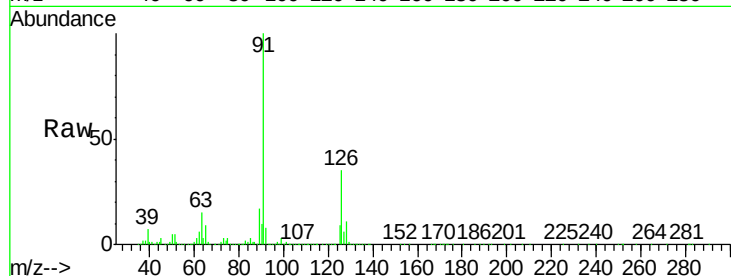
91 100

126 34.7 16.9 50.7

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#79

1,3,5-Trimethylbenzene

Concen: 45.36 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF045391.D

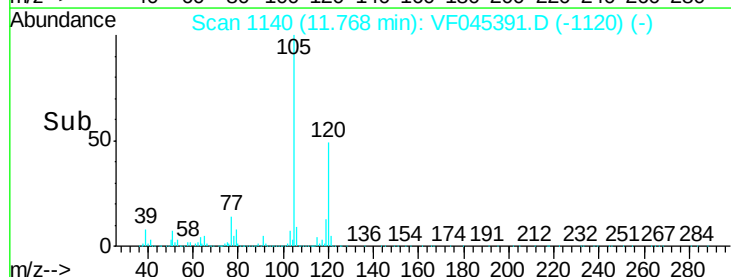
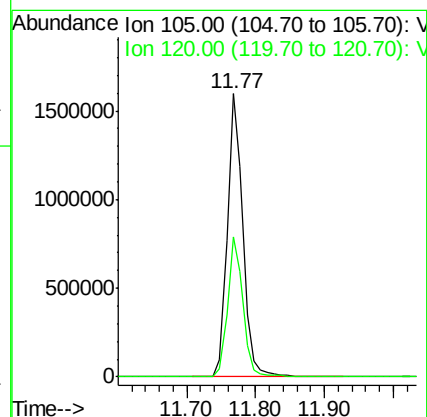
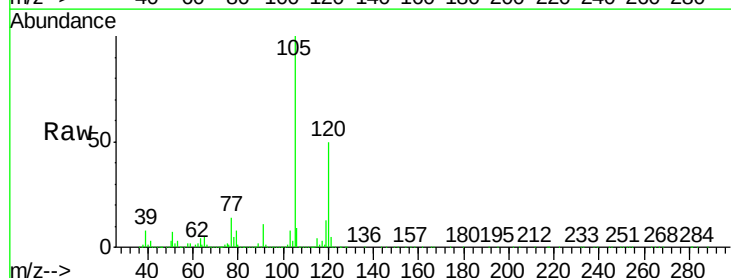
Acq: 16 Sep 2015 14:40

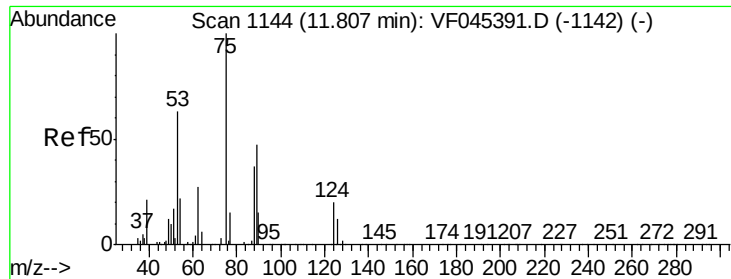
Tgt Ion: 105 Resp: 2488961

Ion Ratio Lower Upper

105 100

120 49.6 25.2 75.6





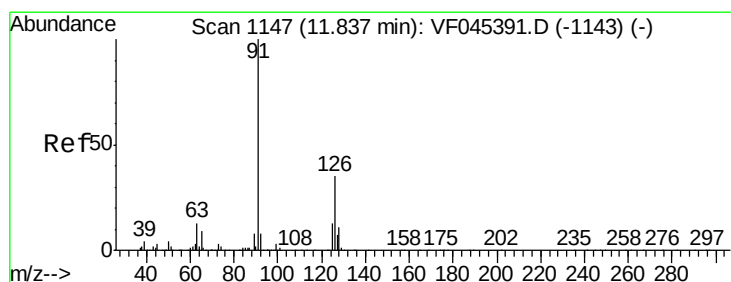
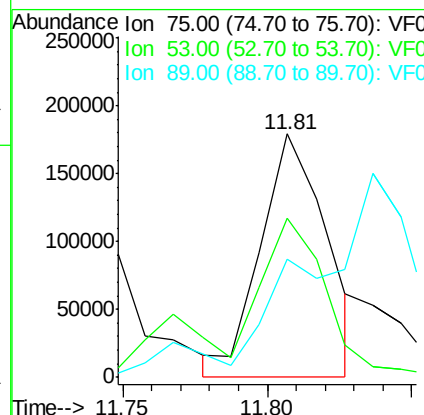
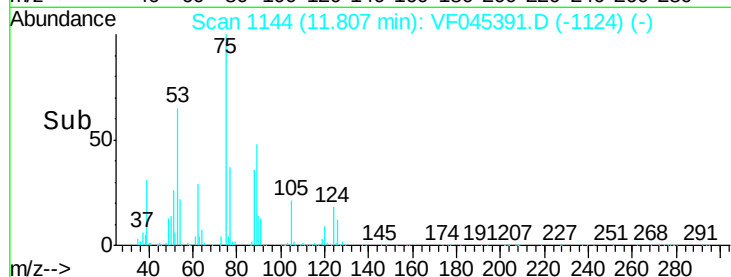
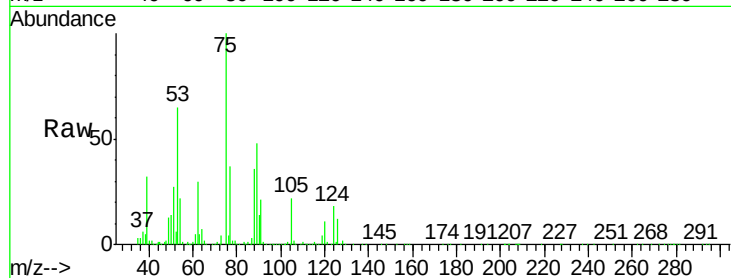
#80
trans-1,4-Dichloro-2-butene
Concen: 49.01 ug/l m
RT: 11.81 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	65.5	51.0	76.6
89	48.3	38.6	57.8

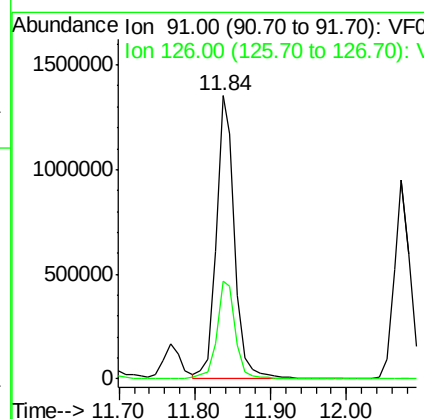
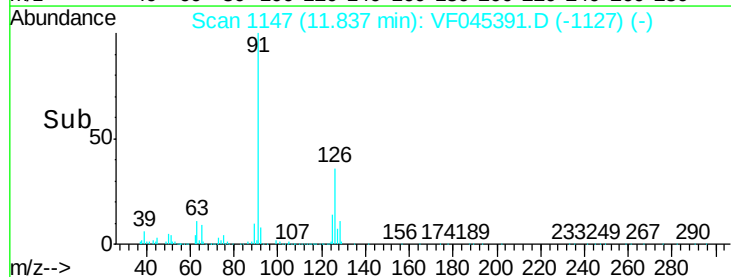
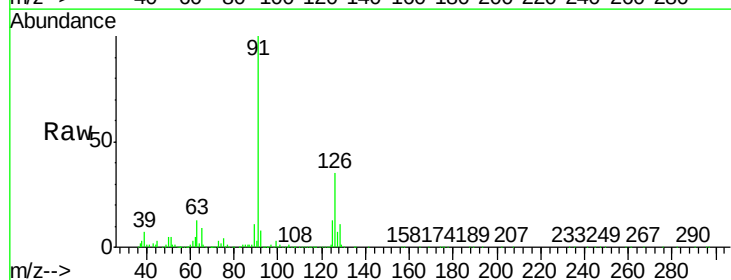
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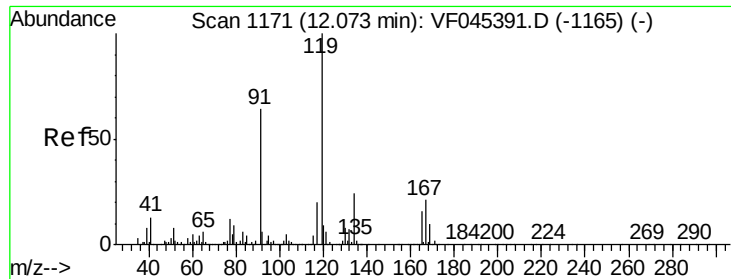
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#81
4-Chlorotoluene
Concen: 43.74 ug/l
RT: 11.84 min Scan# 1147
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	15.8	47.4





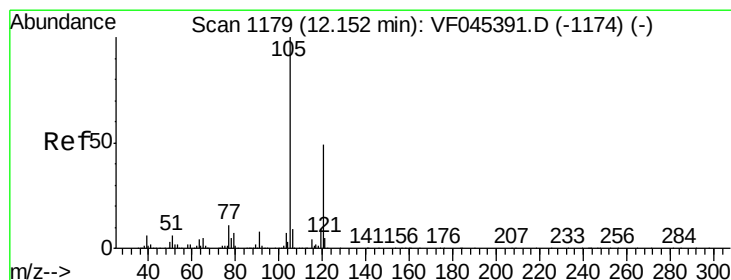
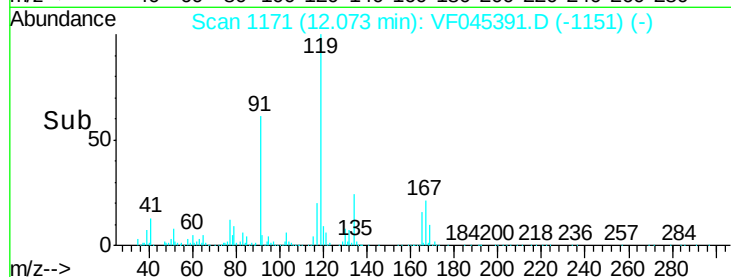
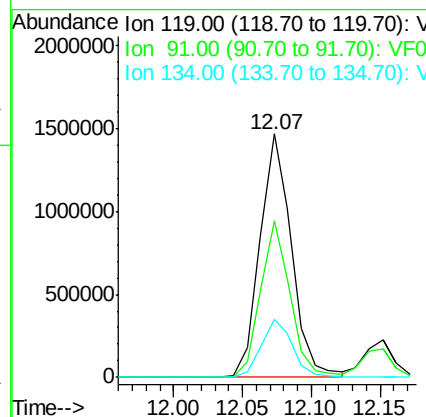
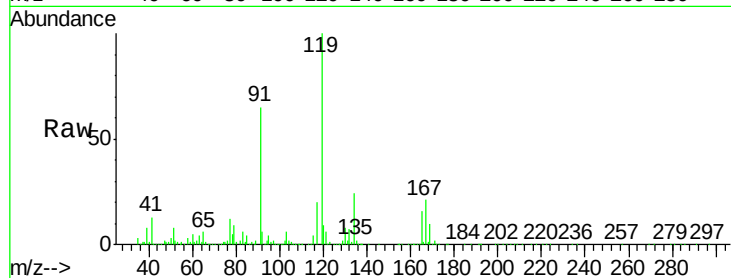
#82
 tert-Butylbenzene
 Concen: 44.26 ug/l
 RT: 12.07 min Scan# 1171
 Delta R.T. 0.00 min
 Lab File: VF045391.D
 Acq: 16 Sep 2015 14:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.5	31.1	93.2
134	23.7	12.2	36.6

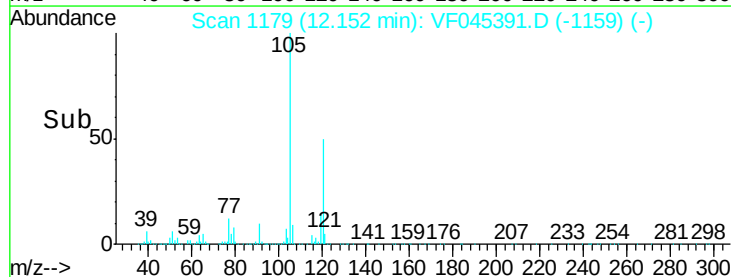
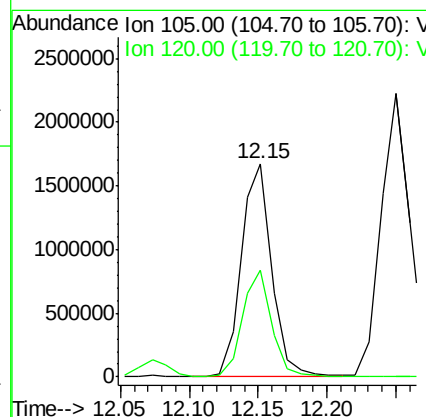
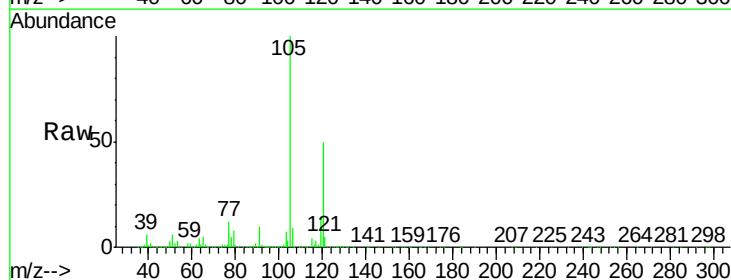
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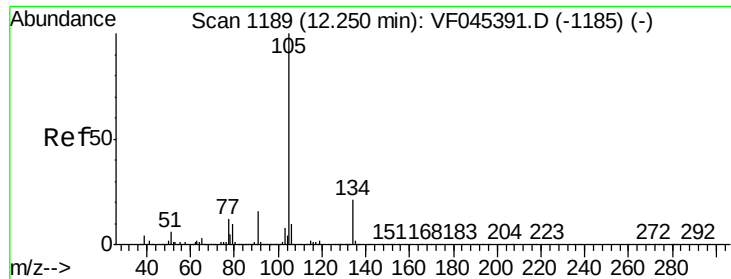
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 9/17/2015 12:50:50 PM



#83
 1,2,4-Trimethylbenzene
 Concen: 46.36 ug/l
 RT: 12.15 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VF045391.D
 Acq: 16 Sep 2015 14:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.8	22.9	68.7





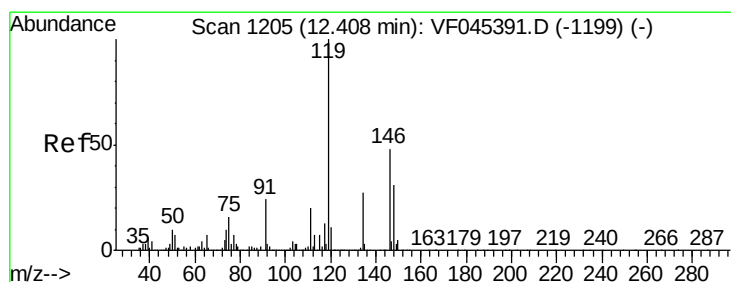
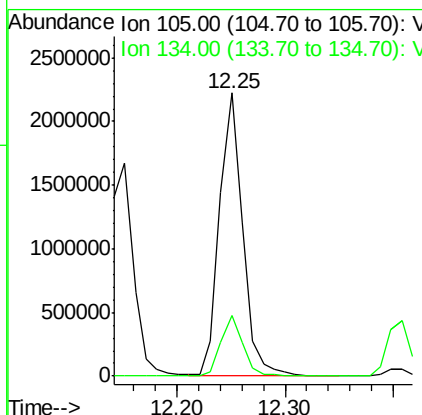
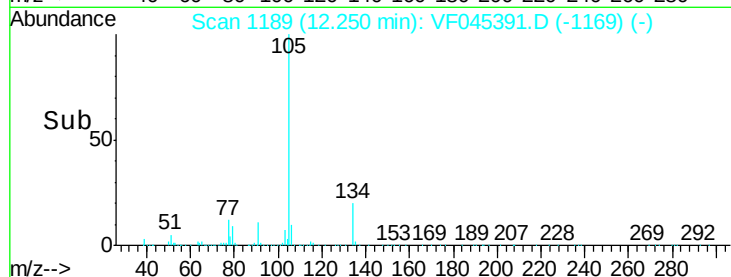
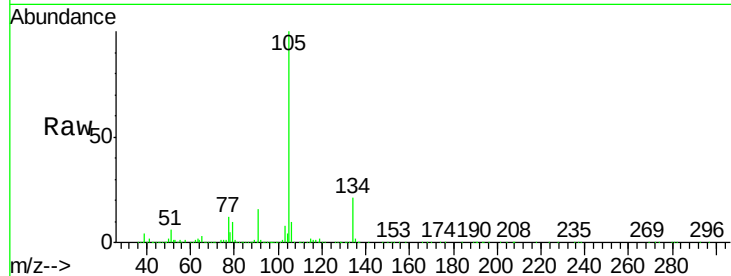
#84
 sec-Butylbenzene
 Concen: 45.63 ug/l
 RT: 12.25 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VF045391.D
 Acq: 16 Sep 2015 14:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion:105 Resp: 3331550
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.5 31.6

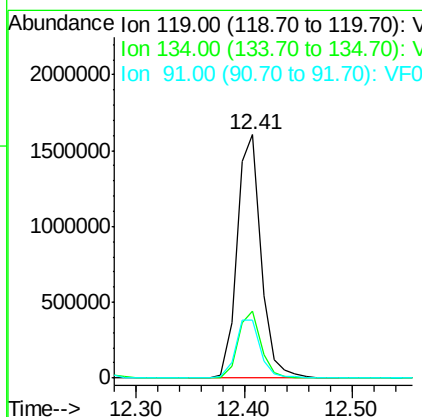
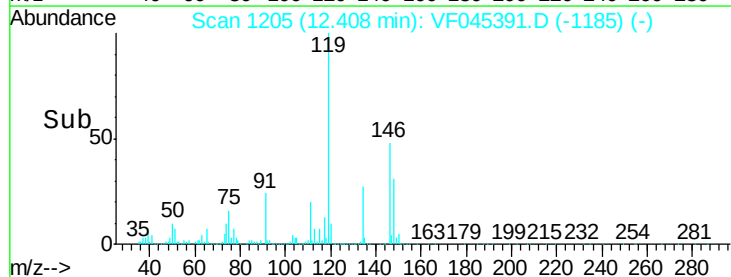
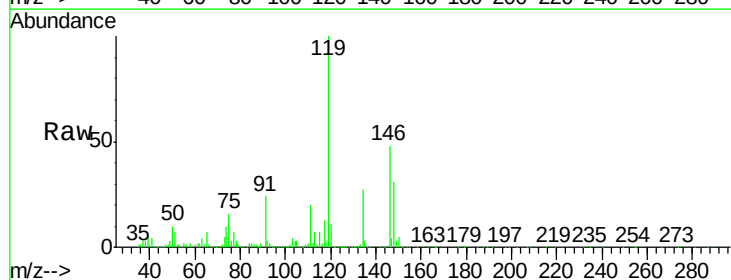
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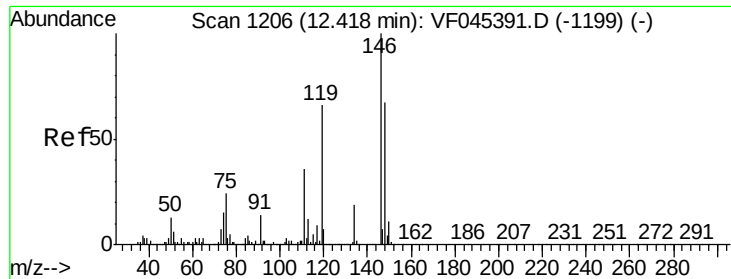
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#85
 p-Isopropyltoluene
 Concen: 44.79 ug/l
 RT: 12.41 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: VF045391.D
 Acq: 16 Sep 2015 14:40

Tgt Ion:119 Resp: 2465334
 Ion Ratio Lower Upper
 119 100
 134 27.4 13.0 38.9
 91 24.1 12.2 36.6





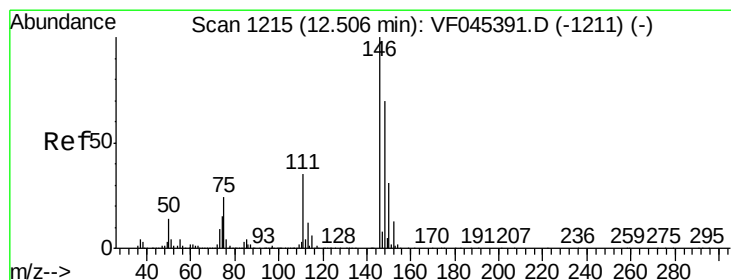
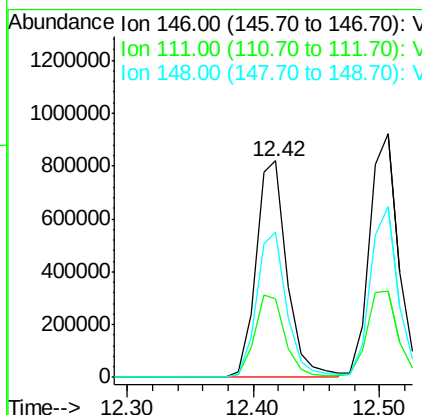
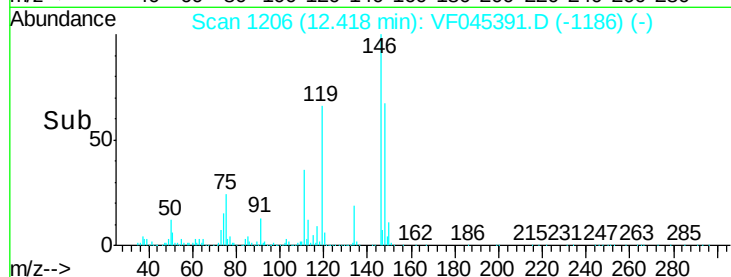
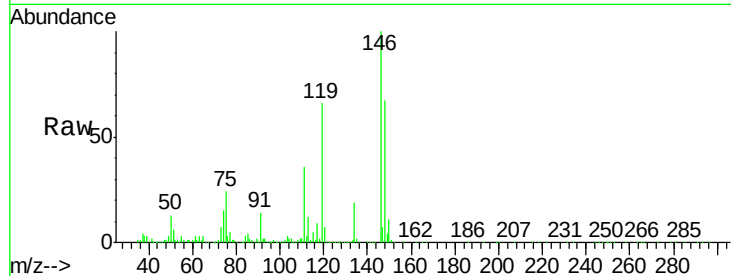
#86
 1,3-Dichlorobenzene
 Concen: 47.57 ug/l
 RT: 12.42 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VF045391.D
 Acq: 16 Sep 2015 14:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	19.9	59.7
148	66.8	32.5	97.4

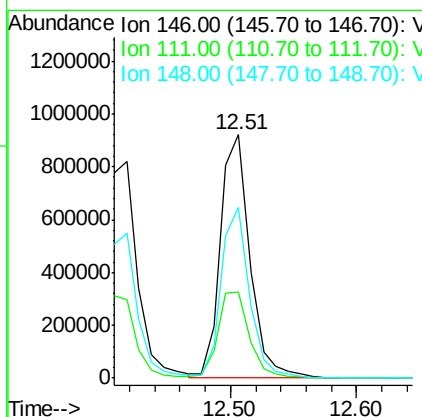
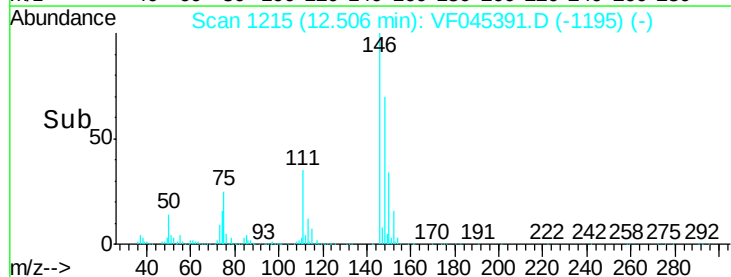
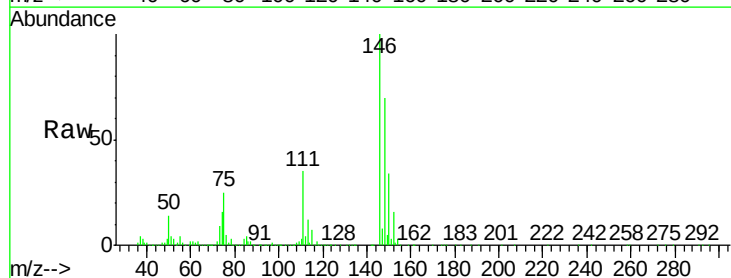
Manual Integrations
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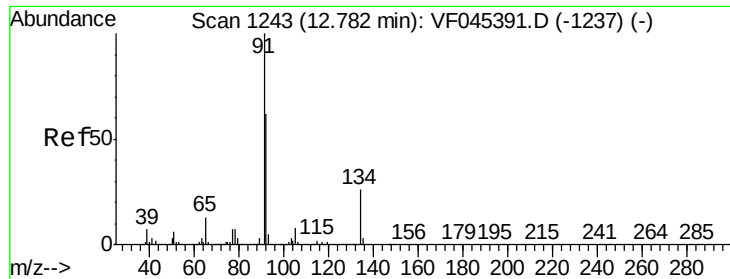
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#87
 1,4-Dichlorobenzene
 Concen: 50.57 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. 0.00 min
 Lab File: VF045391.D
 Acq: 16 Sep 2015 14:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.3	17.3	52.0
148	69.9	32.4	97.0





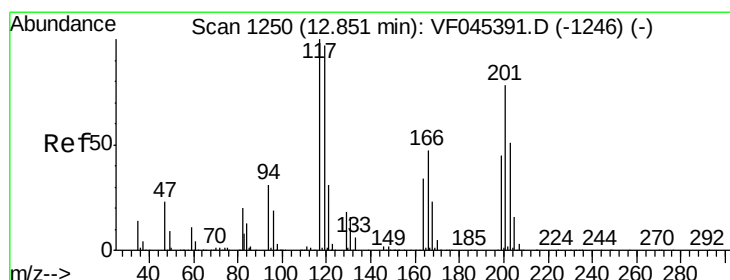
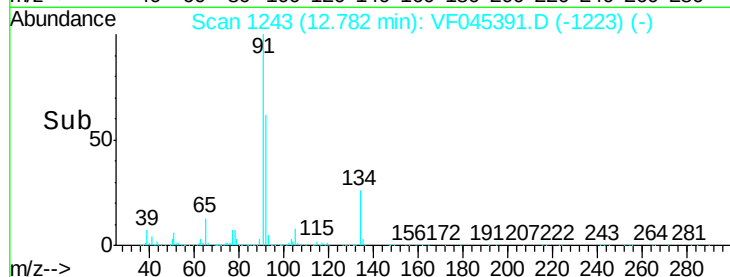
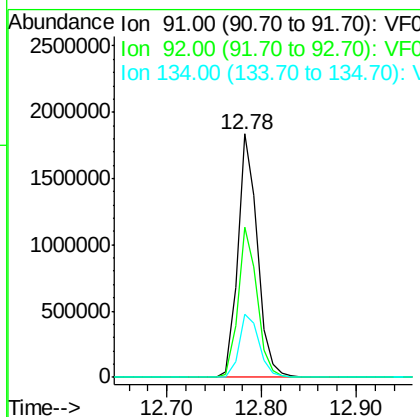
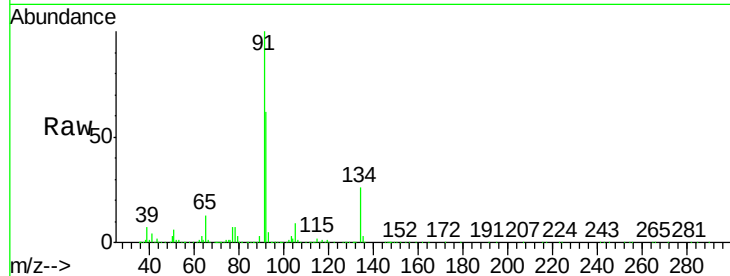
#88
n-Butylbenzene
Concen: 44.92 ug/l
RT: 12.78 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.6	30.1	90.5
134	26.2	13.8	41.4

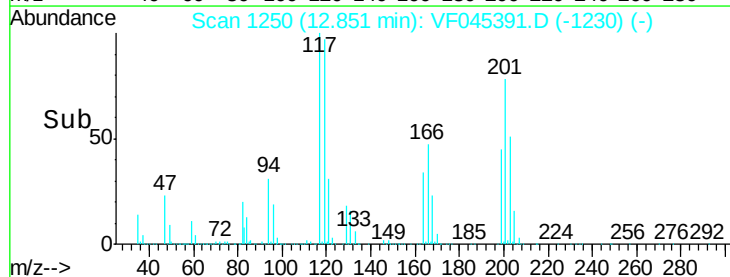
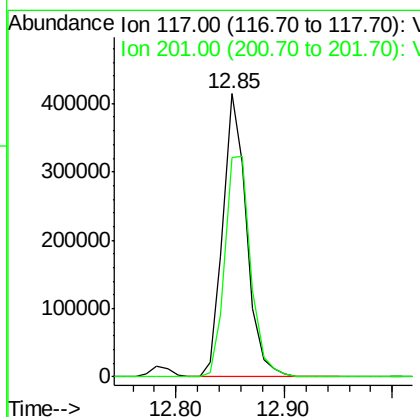
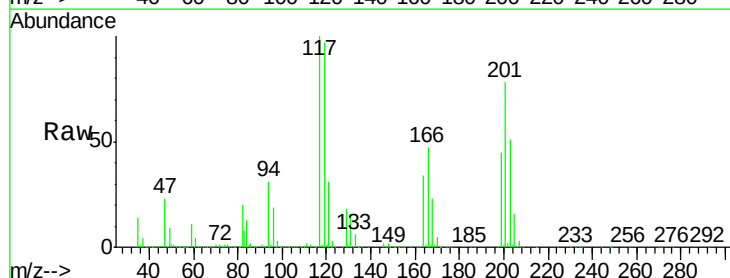
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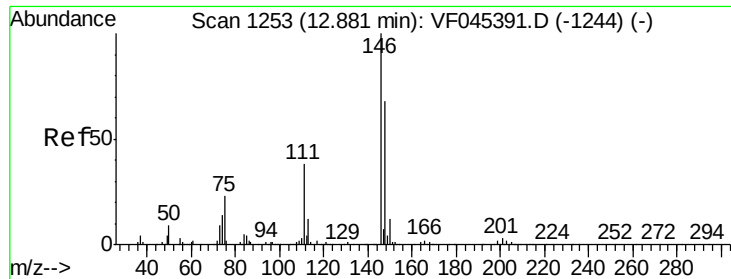
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#89
Hexachloroethane
Concen: 51.92 ug/l
RT: 12.85 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.5	42.0	126.1





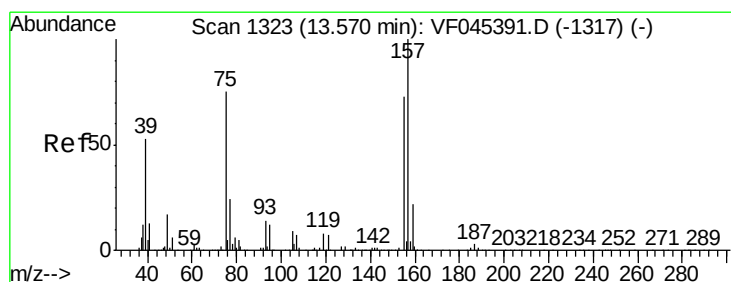
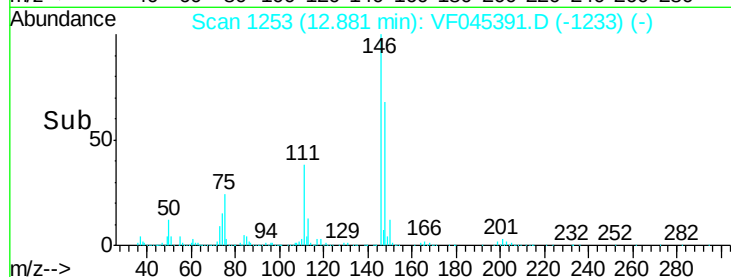
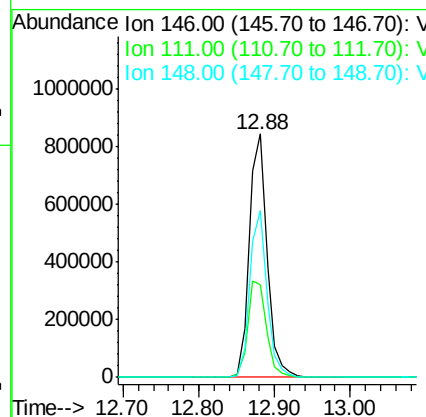
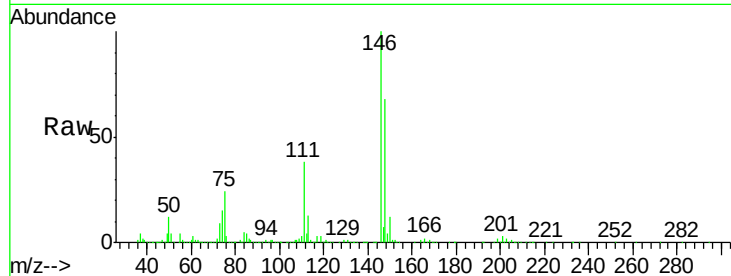
#90
 1,2-Dichlorobenzene
 Concen: 50.64 ug/l
 RT: 12.88 min Scan# 1253
 Delta R.T. 0.00 min
 Lab File: VF045391.D
 Acq: 16 Sep 2015 14:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	21.4	64.3
148	68.3	31.4	94.3

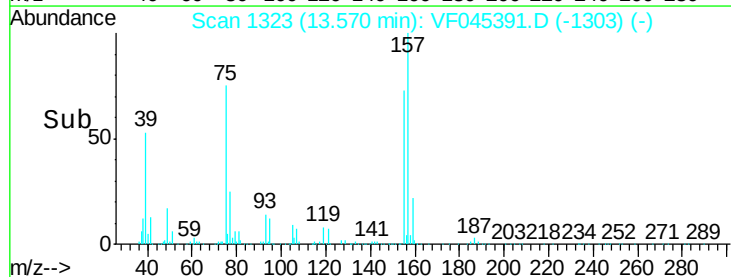
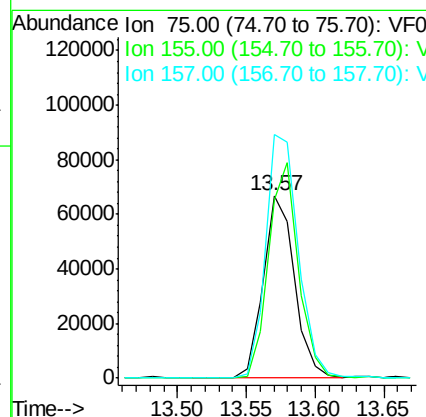
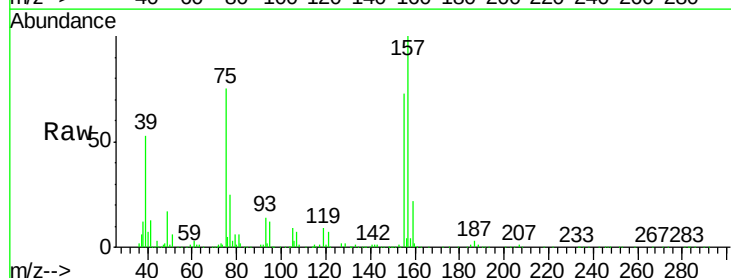
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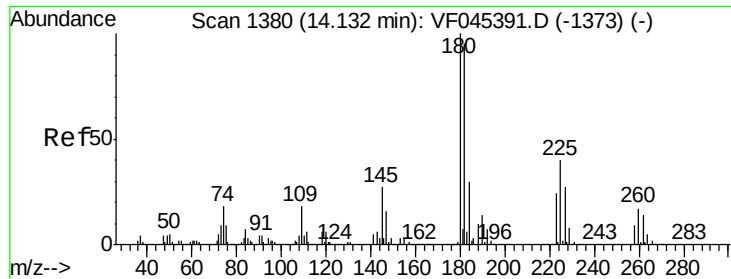
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#91
 1,2-Dibromo-3-Chloropropane
 Concen: 54.55 ug/l
 RT: 13.57 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VF045391.D
 Acq: 16 Sep 2015 14:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.9	49.2	147.6
157	133.3	66.8	200.4





#92

1,2,4-Trichlorobenzene

Concen: 57.50 ug/l

RT: 14.13 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Instrument :

MSVOA_F

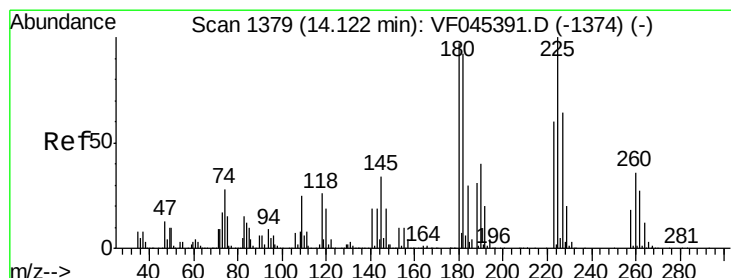
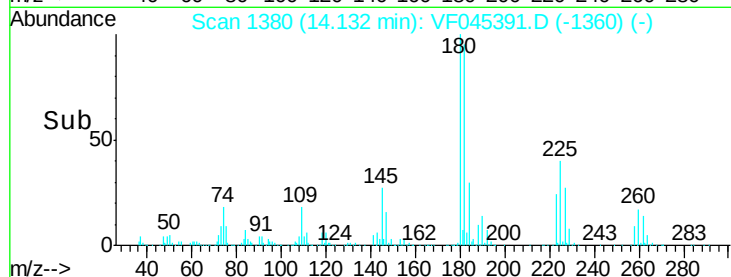
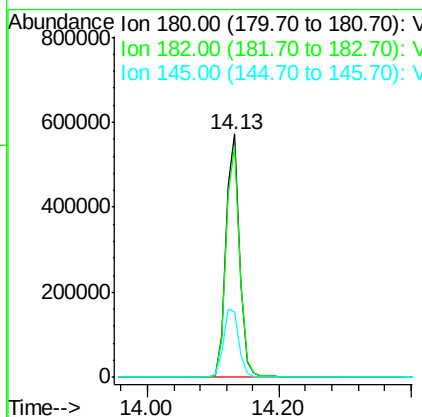
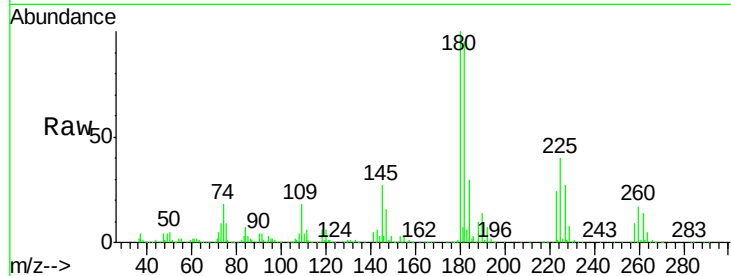
ClientSampleId :

VSTDICCC050

Tot Ion:	180	Resp:	835305
Ion Ratio	Lower	Upper	
180	100		
182	94.6	49.4	148.0
145	26.9	16.7	50.1

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#93

Hexachlorobutadiene

Concen: 53.09 ug/l

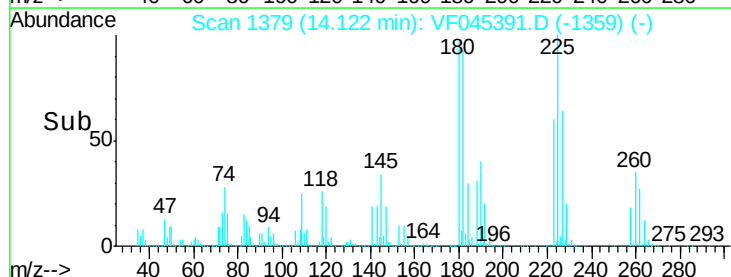
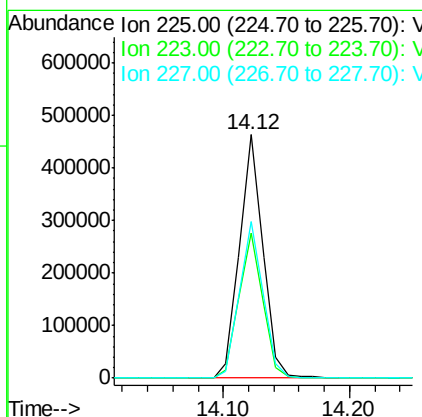
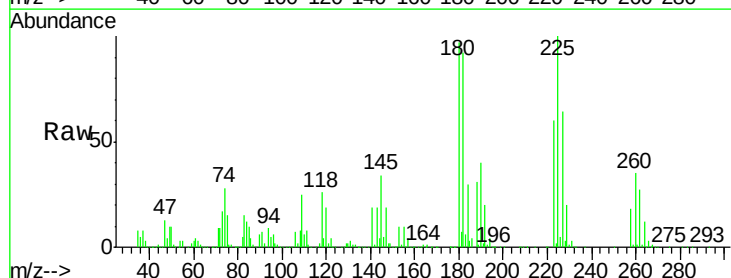
RT: 14.12 min Scan# 1379

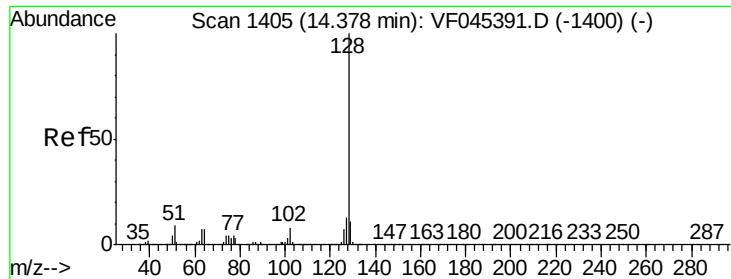
Delta R.T. 0.00 min

Lab File: VF045391.D

Acq: 16 Sep 2015 14:40

Tgt Ion:	225	Resp:	592678
Ion Ratio	Lower	Upper	
225	100		
223	59.8	31.9	95.5
227	64.1	32.9	98.7





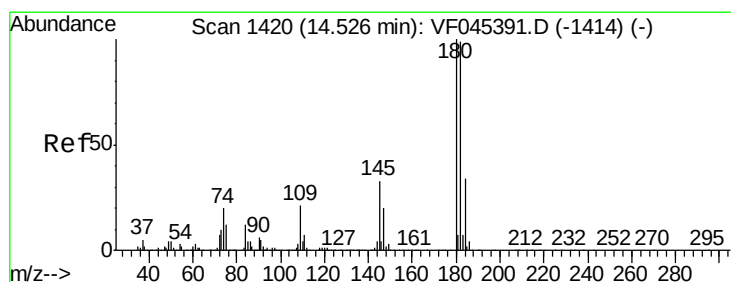
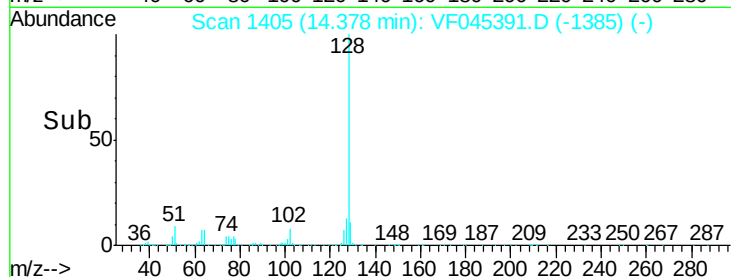
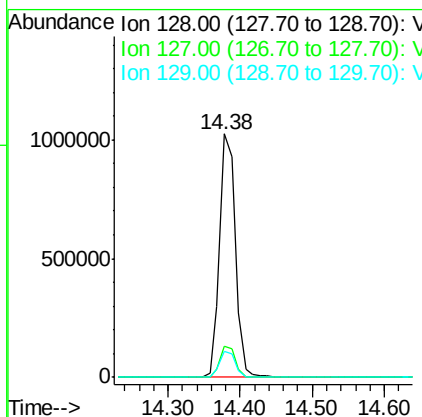
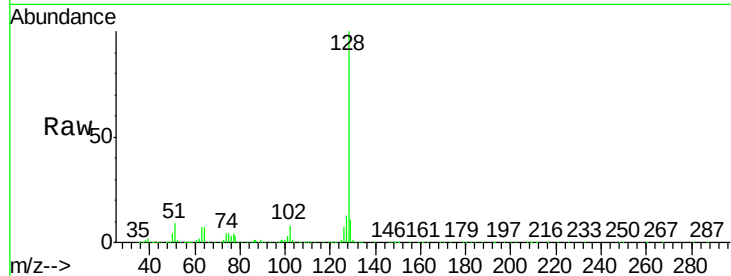
#94
Naphthalene
Concen: 60.39 ug/l
RT: 14.38 min Scan# 1405
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	9.8	14.8
129	10.7	8.8	13.2

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#95
1,2,3-Trichlorobenzene
Concen: 59.46 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF045391.D
Acq: 16 Sep 2015 14:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.8	47.6	142.8
145	32.5	14.5	43.6

