

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
 Data File : VF062939.D
 Acq On : 12 Jun 2019 20:36
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/13/2019 11:33:07 AM

Quant Time: Jun 13 09:14:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	604827	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.79	114	505126	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.90	117	737595	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.61	152	281386	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	262195	62.69	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	125.38%	
35) Dibromofluoromethane	4.31	113	483896	126.77	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	253.54%	
50) Toluene-d8	7.72	98	526714m	54.57	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	109.14%	
62) 4-Bromofluorobenzene	11.49	95	326034	93.90	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	187.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.02	85	315105	45.671	ug/l	96
3) Chloromethane	1.15	50	305427	48.804	ug/l	93
4) Vinyl Chloride	1.20	62	337494	54.269	ug/l	92
5) Bromomethane	1.40	94	195570	55.142	ug/l	95
6) Chloroethane	1.44	64	128233	55.149	ug/l	88
7) Trichlorofluoromethane	1.56	101	497673	56.528	ug/l	97
8) Diethyl Ether	1.72	74	85828	49.551	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.92	101	331794	59.943	ug/l	98
10) Methyl Iodide	1.99	142	626160	56.419	ug/l	98
11) Tert butyl alcohol	2.70	59	84159	332.163	ug/l #	87
12) 1,1-Dichloroethene	1.88	96	263859	52.497	ug/l	96
13) Acrolein	2.10	56	28742	285.110	ug/l	91
14) Allyl chloride	2.20	41	300546	77.078	ug/l	93
15) Acrylonitrile	3.09	53	220875	232.000	ug/l	96
16) Acetone	2.35	43	275132	287.416	ug/l	97
17) Carbon Disulfide	1.92	76	779363	53.054	ug/l	97
18) Methyl Acetate	2.46	43	109043	65.186	ug/l	94
19) Methyl tert-butyl Ether	2.55	73	583588	64.088	ug/l	98
20) Methylene Chloride	2.34	84	277082m	58.298	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	284415	56.437	ug/l	98
22) Diisopropyl ether	2.94	45	602256	54.364	ug/l	93
23) Vinyl Acetate	3.34	43	2302895	303.645	ug/l #	81
24) 1,1-Dichloroethane	3.01	63	553072	66.865	ug/l #	95
25) 2-Butanone	4.52	43	679389	304.762	ug/l	97
26) 2,2-Dichloropropane	3.78	77	315443	67.165	ug/l	93
27) cis-1,2-Dichloroethene	3.65	96	472798	55.813	ug/l	87
28) Bromochloromethane	3.90	49	257345	57.198	ug/l	91
29) Tetrahydrofuran	4.27	42	273725	321.038	ug/l	93
30) Chloroform	4.06	83	789054	67.687	ug/l	94
31) Cyclohexane	3.88	56	632224	56.457	ug/l	95
32) 1,1,1-Trichloroethane	4.29	97	504020	74.259	ug/l	95
36) 1,1-Dichloropropene	4.48	75	527472	113.431	ug/l	100
37) Ethyl Acetate	4.30	43	243724	137.110	ug/l	87
38) Carbon Tetrachloride	4.19	117	454977	144.770	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	526819	91.026	ug/l	99
40) Benzene	4.82	78	1591379	117.587	ug/l	99
41) Methacrylonitrile	4.94	41	129277	130.821	ug/l	91
42) 1,2-Dichloroethane	5.13	62	358964	139.458	ug/l	100
43) Isopropyl Acetate	7.11	43	284282	121.063	ug/l #	68
44) Trichloroethene	5.69	130	264109	69.148	ug/l	61
45) 1,2-Dichloropropane	6.41	63	397948	117.174	ug/l	95
46) Dibromomethane	6.25	93	138033	69.613	ug/l	88
47) Bromodichloromethane	6.55	83	452365	112.021	ug/l	99
48) Methyl methacrylate	6.88	41	148968	123.095	ug/l #	54
49) 1,4-Dioxane	6.87	88	12054	755.661	ug/l #	33
51) 4-Methyl-2-Pentanone	8.40	43	1088208	649.103	ug/l	95
52) Toluene	7.77	92	410686	56.340	ug/l	94
53) t-1,3-Dichloropropene	8.42	75	387284	115.737	ug/l	97
54) cis-1,3-Dichloropropene	7.46	75	571834	118.056	ug/l	99
55) 1,1,2-Trichloroethane	8.65	97	190363	87.415	ug/l	96
56) Ethyl methacrylate	8.75	69	267352	114.419	ug/l	97
57) 1,3-Dichloropropane	8.99	76	417838	117.496	ug/l #	84
58) 2-Chloroethyl Vinyl ether	7.45	63	488928	598.726	ug/l #	89
59) 2-Hexanone	9.63	43	716127	599.299	ug/l	96
60) Dibromochloromethane	8.86	129	252708	93.731	ug/l	99
61) 1,2-Dibromoethane	9.12	107	160738	71.071	ug/l #	73
64) Tetrachloroethene	8.30	164	241427	42.595	ug/l #	50
65) Chlorobenzene	9.94	112	474075	33.282	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.06	131	223332	39.369	ug/l	87
67) Ethyl Benzene	10.04	91	882125	36.088	ug/l	94
68) m/p-Xylenes	10.26	106	925914	98.990	ug/l #	61
69) o-Xylene	10.81	106	387196	40.886	ug/l #	1
70) Styrene	10.89	104	740533	53.052	ug/l #	92
71) Bromoform	10.88	173	178581	65.622	ug/l #	99
73) Isopropylbenzene	11.20	105	1177626	59.979	ug/l	91
74) N-amyl acetate	11.44	43	436911	78.955	ug/l #	77
75) 1,1,2,2-Tetrachloroethane	11.76	83	331705	79.112	ug/l	99
76) 1,2,3-Trichloropropane	11.86	75	228844	82.339	ug/l	91
77) Bromobenzene	11.58	156	334100	67.725	ug/l	87
78) n-propylbenzene	11.67	91	1761783	74.316	ug/l	94
79) 2-Chlorotoluene	11.79	91	884316	65.192	ug/l	93
80) 1,3,5-Trimethylbenzene	11.89	105	918684	57.216	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.93	75	98146m	83.411	ug/l	
82) 4-Chlorotoluene	11.96	91	803407	60.267	ug/l	99
83) tert-Butylbenzene	12.20	119	907863	57.063	ug/l	91
84) 1,2,4-Trimethylbenzene	12.27	105	1143362	75.104	ug/l	100
85) sec-Butylbenzene	12.36	105	994230	47.425	ug/l	86
86) p-Isopropyltoluene	12.51	119	1344508	77.050	ug/l #	81
87) 1,3-Dichlorobenzene	12.53	146	481234	55.313	ug/l	87
88) 1,4-Dichlorobenzene	12.62	146	268609m	33.082	ug/l	
89) n-Butylbenzene	12.90	91	903441	51.469	ug/l #	59
90) Hexachloroethane	12.97	117	317091	74.505	ug/l	88
91) 1,2-Dichlorobenzene	13.00	146	552313	72.225	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	39385	86.219	ug/l	93

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Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	325590	62.010	ug/l #	86
94) Hexachlorobutadiene	14.22	225	287276	79.088	ug/l	97
95) Naphthalene	14.48	128	624037	72.546	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	369038	76.998	ug/l	97

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

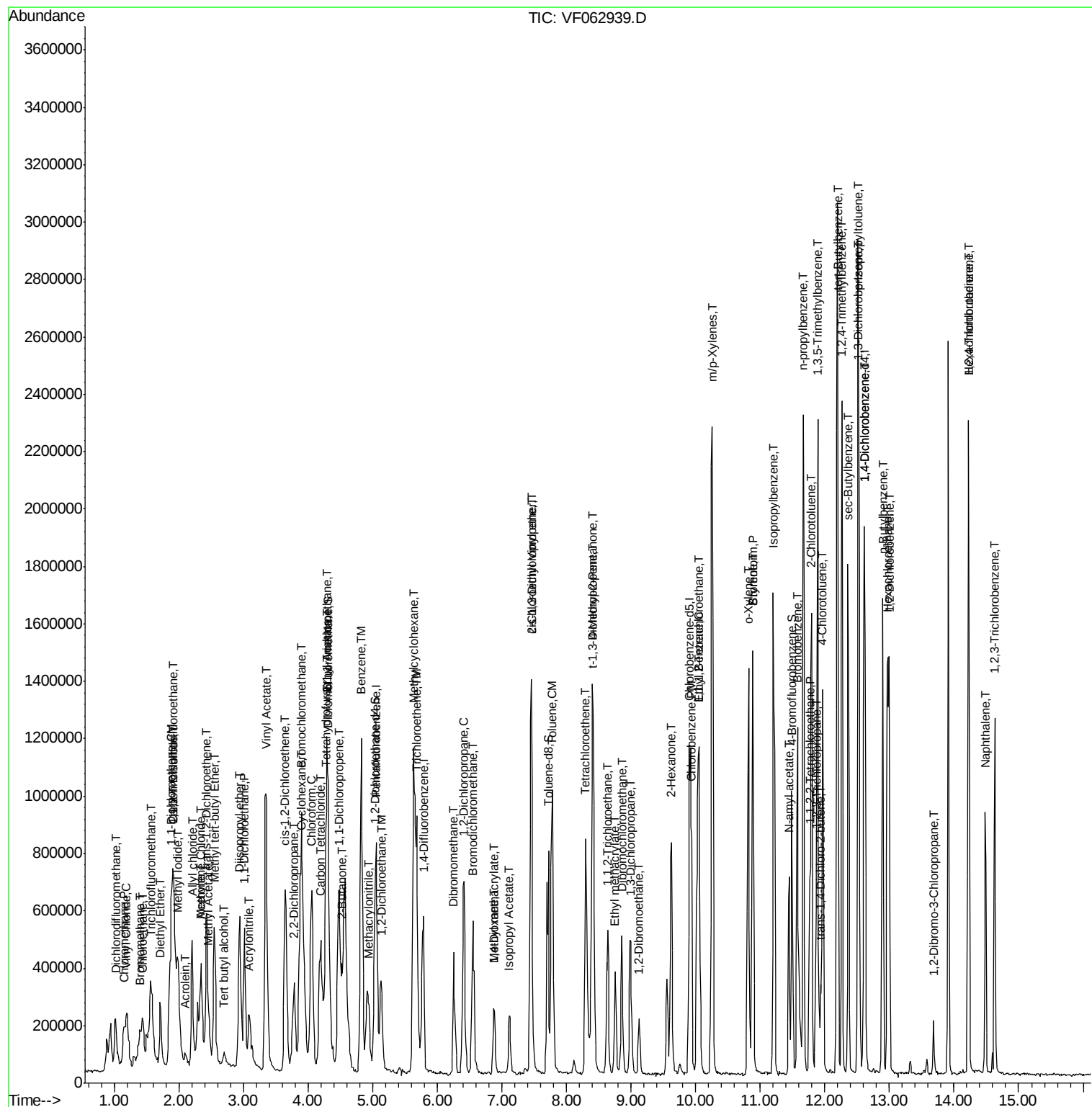
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF061219\
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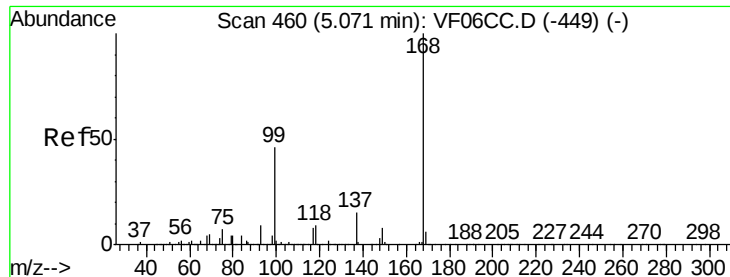
Instrument :
 MSVOA_F
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.02 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 604827

Ion Ratio Lower Upper

168 100

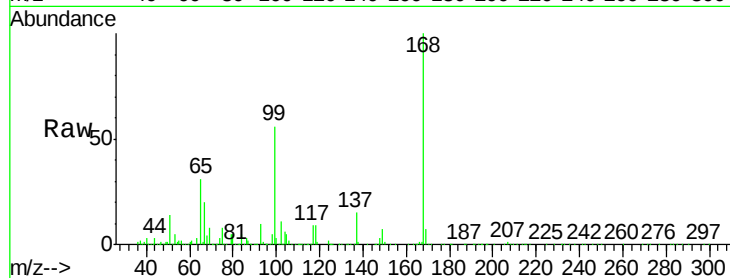
99 55.9 39.1 58.7

Manual Integrations

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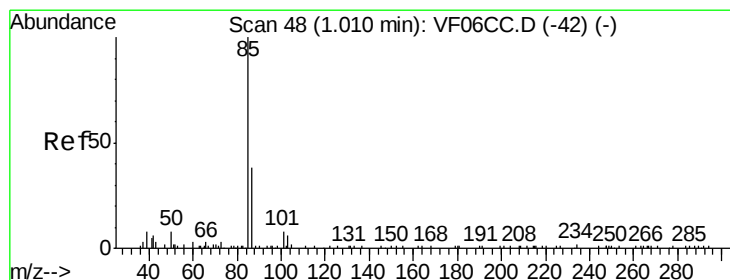
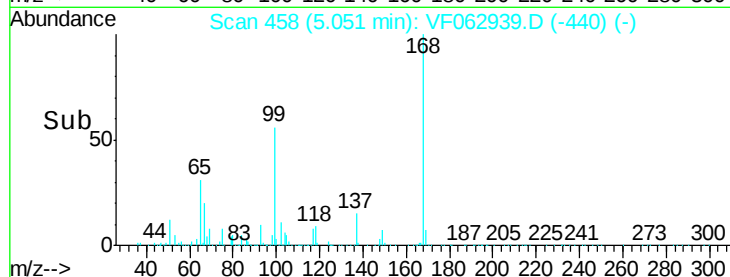
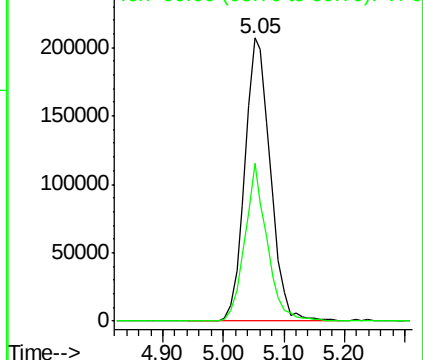
MMDadoda

6/13/2019 11:33:07 AM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 45.671 ug/l

RT: 1.02 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF062939.D

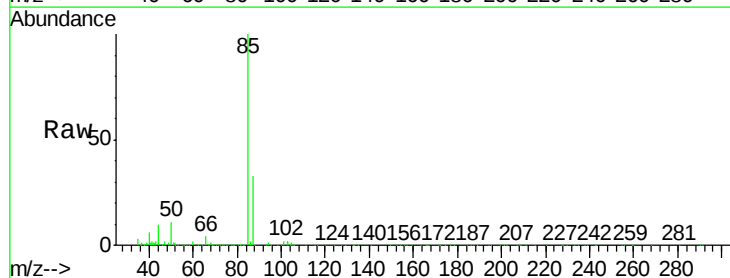
Acq: 12 Jun 2019 20:36

Tgt Ion: 85 Resp: 315105

Ion Ratio Lower Upper

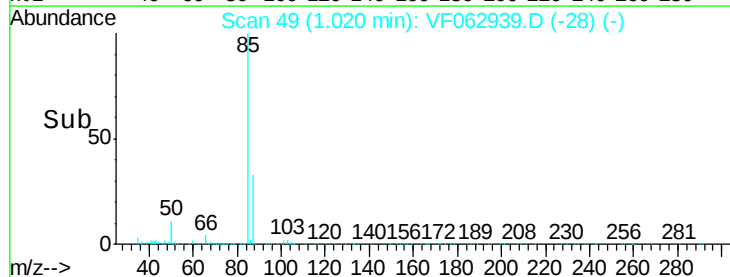
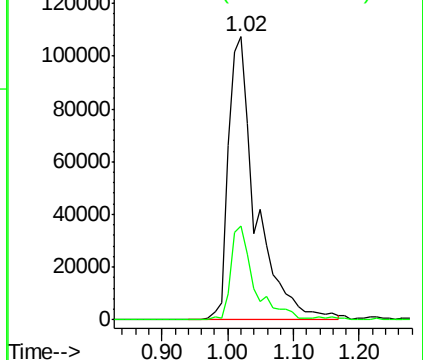
85 100

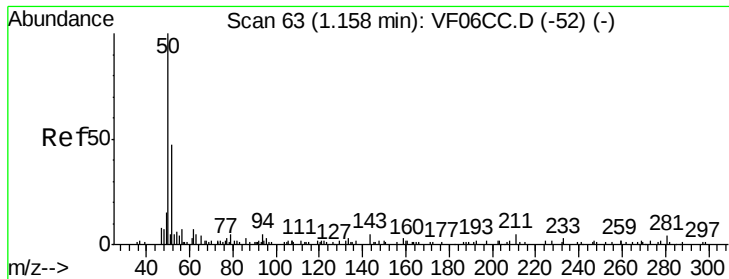
87 33.2 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 48.804 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 305427

Ion Ratio Lower Upper

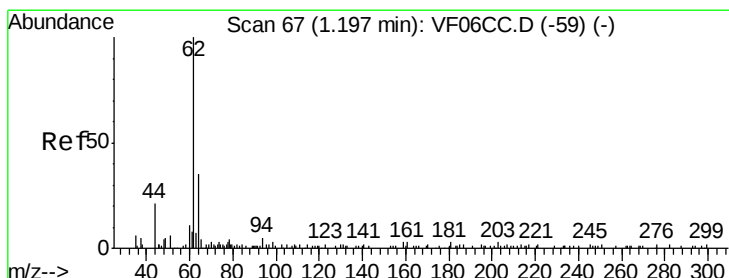
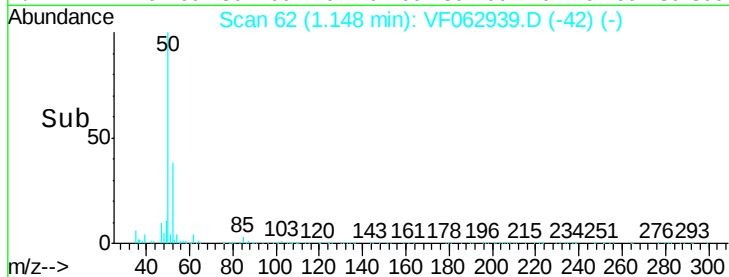
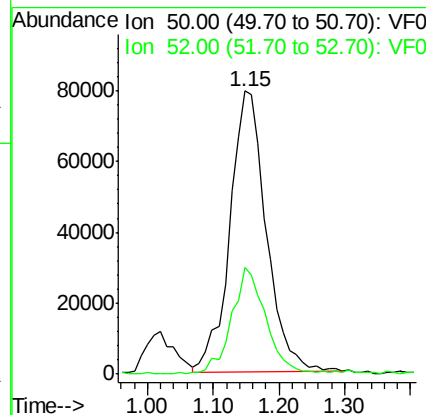
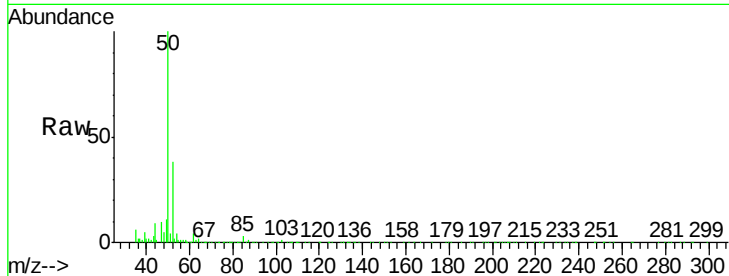
50 100

52 37.8 27.0 40.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 54.269 ug/l

RT: 1.20 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062939.D

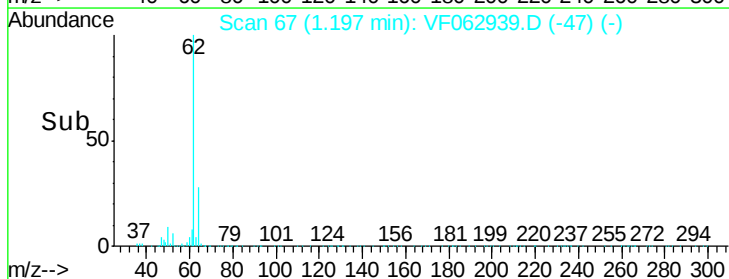
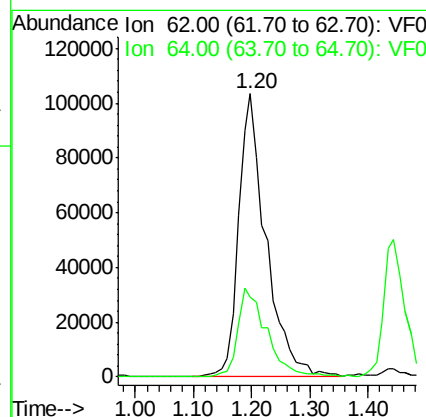
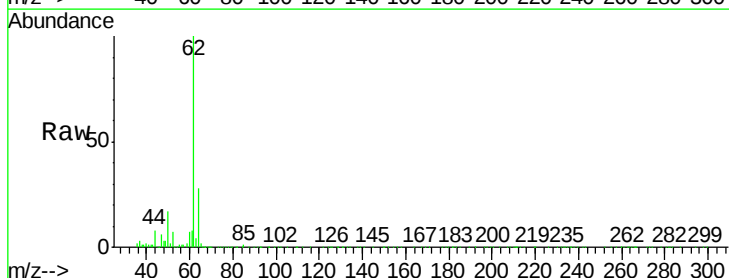
Acq: 12 Jun 2019 20:36

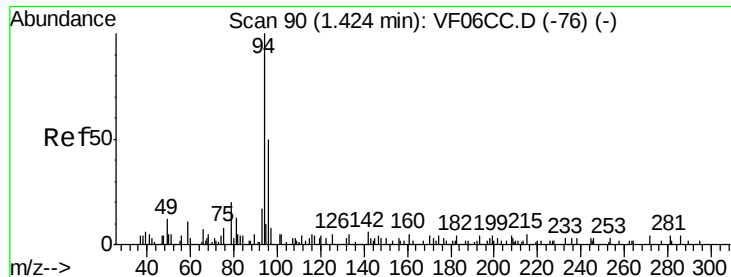
Tgt Ion: 62 Resp: 337494

Ion Ratio Lower Upper

62 100

64 28.3 26.2 39.2





#5

Bromomethane

Concen: 55.142 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 195570

Ion Ratio Lower Upper

94 100

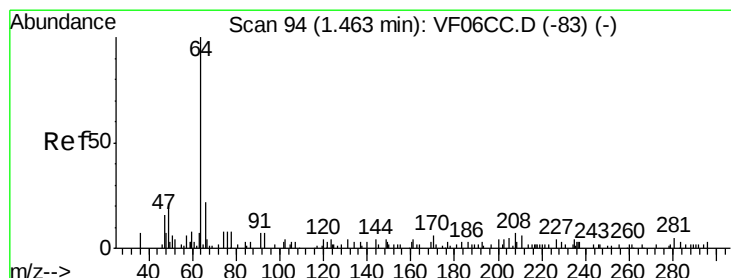
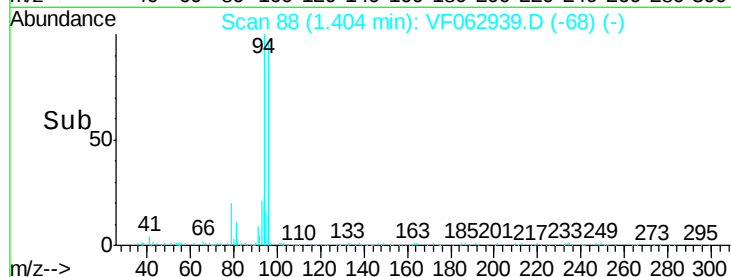
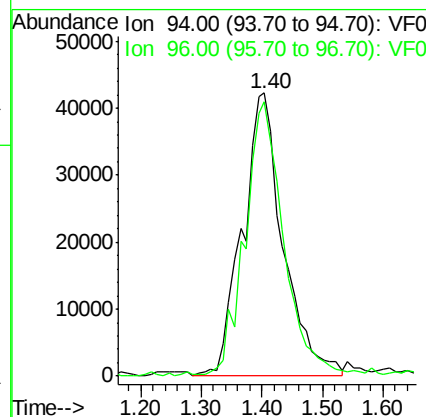
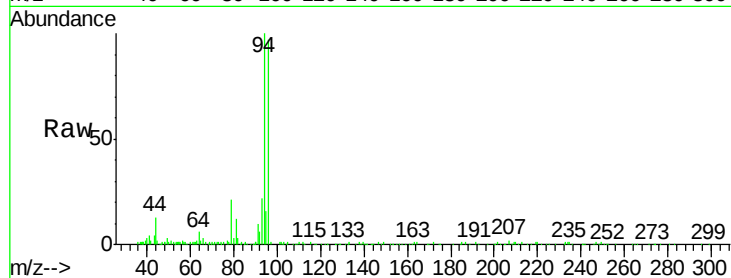
96 97.0 73.8 110.6

Manual Integrations

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#6

Chloroethane

Concen: 55.149 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.02 min

Lab File: VF062939.D

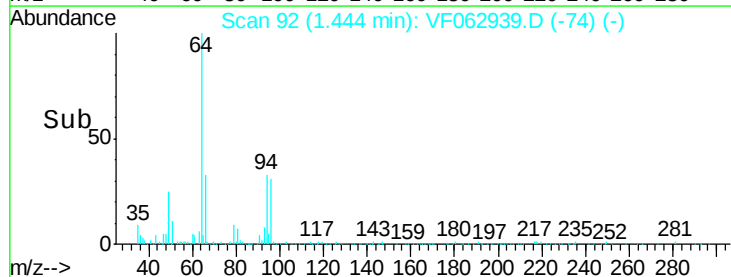
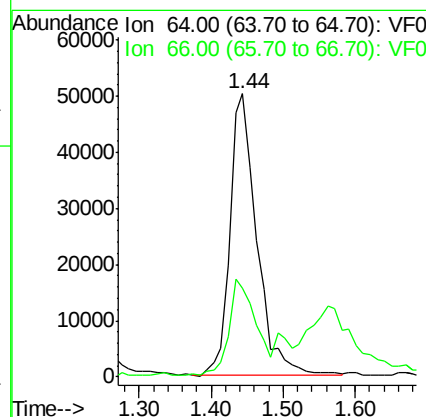
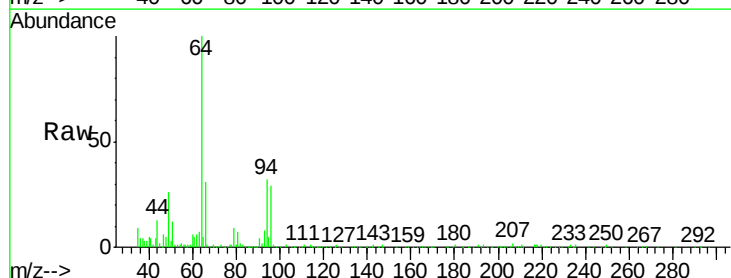
Acq: 12 Jun 2019 20:36

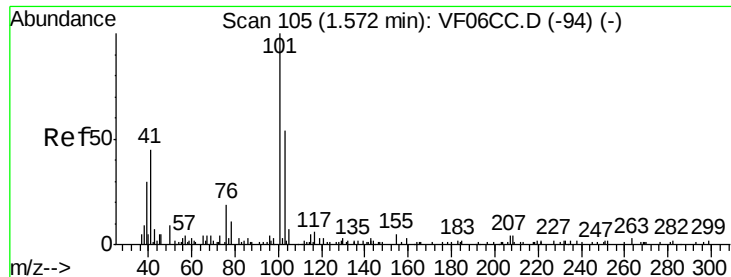
Tgt Ion: 64 Resp: 128233

Ion Ratio Lower Upper

64 100

66 31.4 31.0 46.4





#7

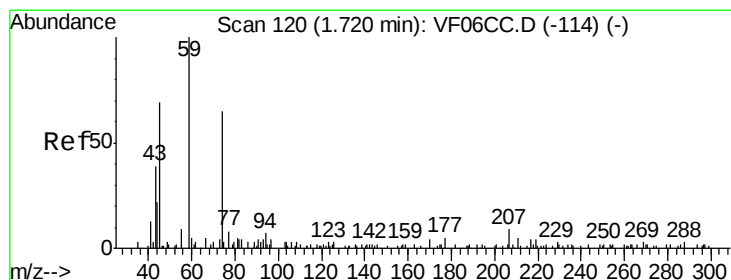
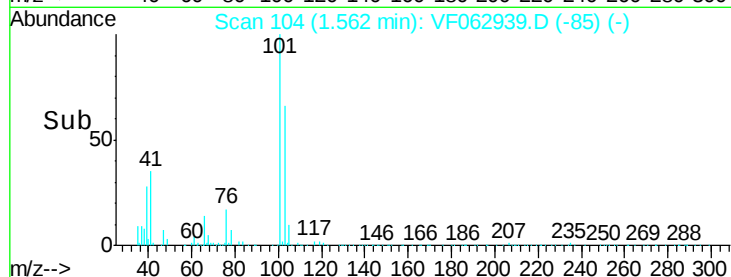
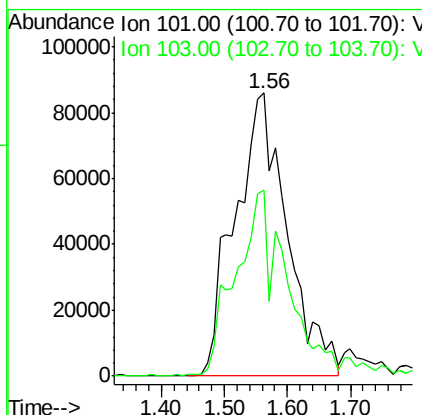
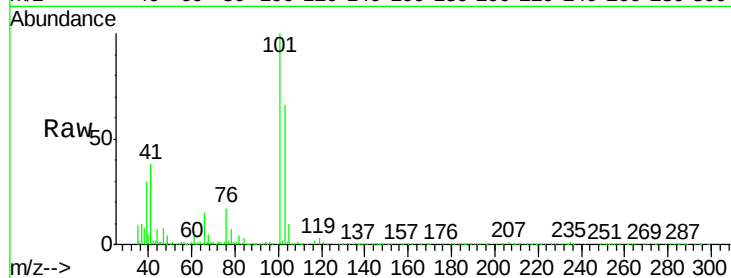
Trichlorofluoromethane
Concen: 56.528 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.01 min
Lab File: VF062939.D
Acq: 12 Jun 2019 20:36

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	54.6	82.0

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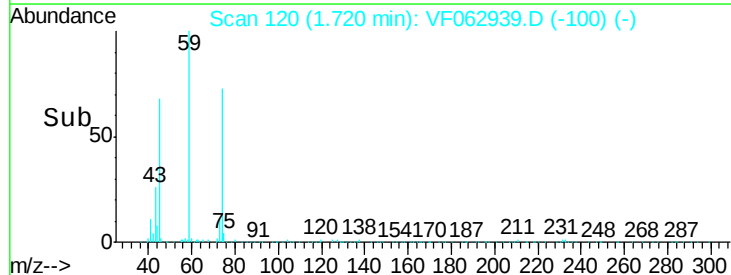
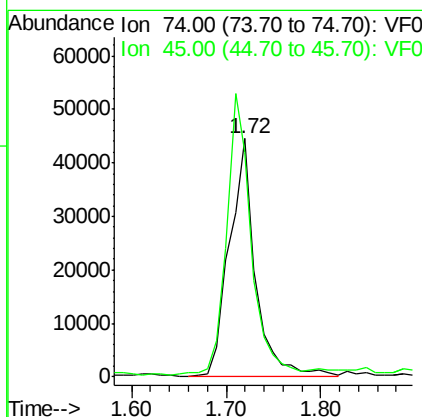
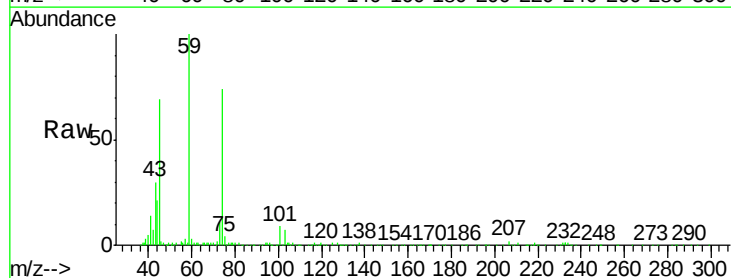
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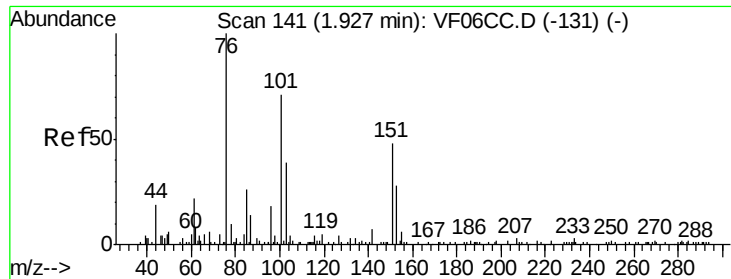


#8

Diethyl Ether
Concen: 49.551 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.00 min
Lab File: VF062939.D
Acq: 12 Jun 2019 20:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.9	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 59.943 ug/l

RT: 1.92 min Scan# 140

Delta R.T. -0.02 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Instrument :

MSVOA_F

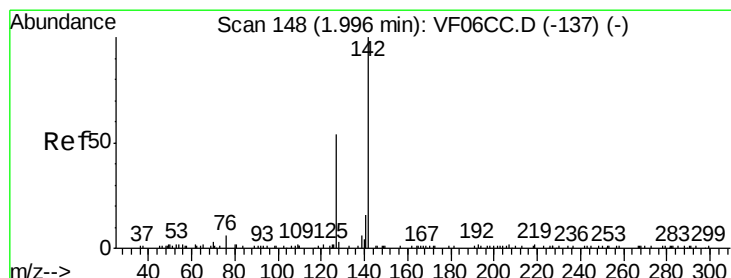
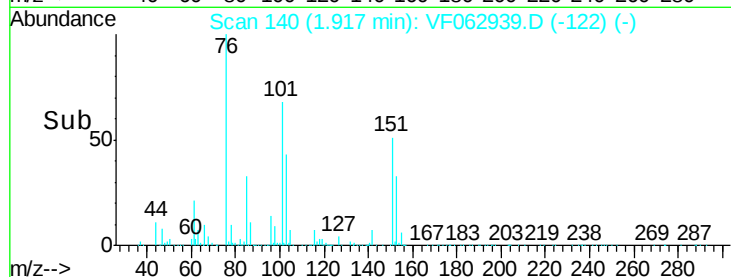
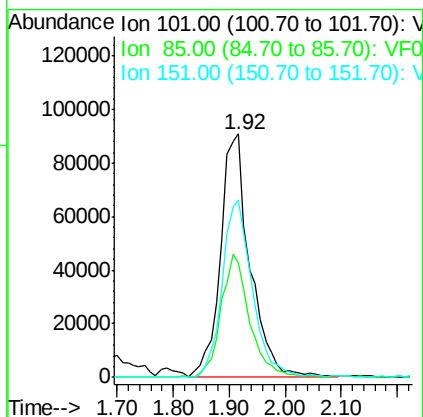
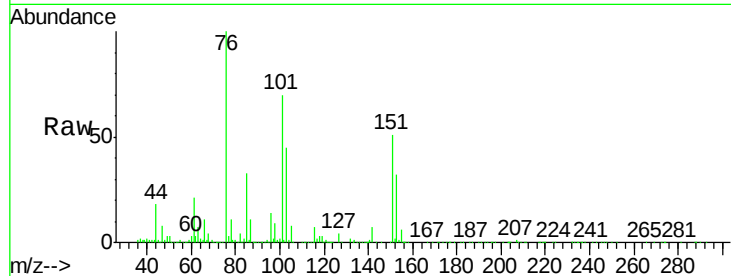
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	331794
Ion Ratio	Lower	Upper	
101	100		
85	47.1	37.1	55.7
151	72.9	60.3	90.5

Manual Integrations
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#10

Methyl Iodide

Concen: 56.419 ug/l

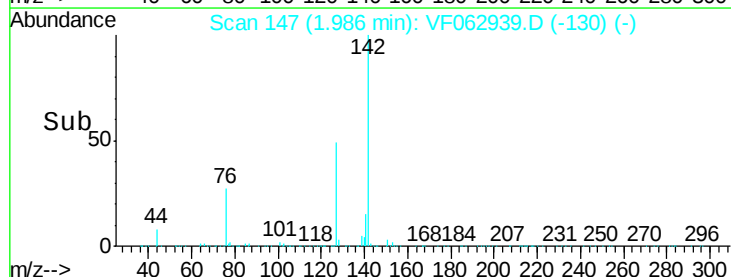
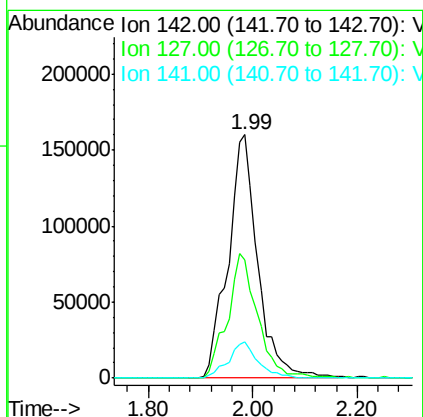
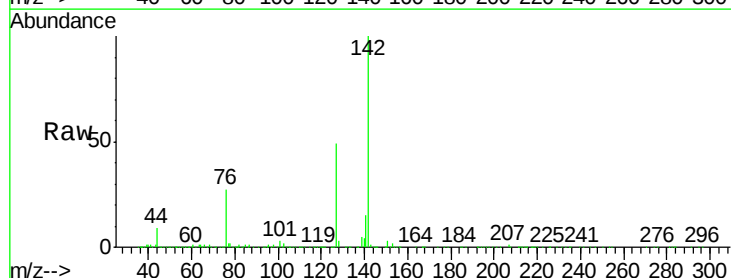
RT: 1.99 min Scan# 147

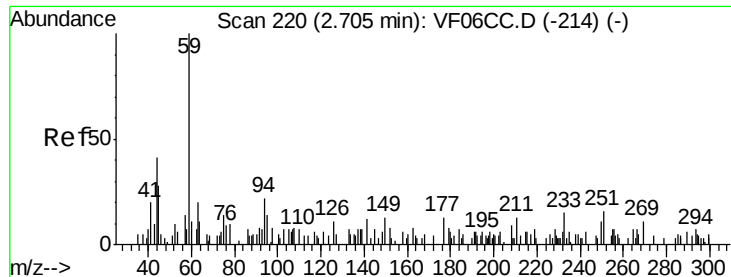
Delta R.T. -0.03 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Tgt Ion:	142	Resp:	626160
Ion Ratio	Lower	Upper	
142	100		
127	48.7	39.4	59.2
141	14.9	10.6	15.8





#11

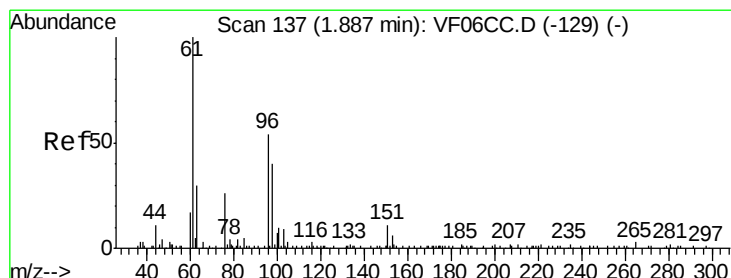
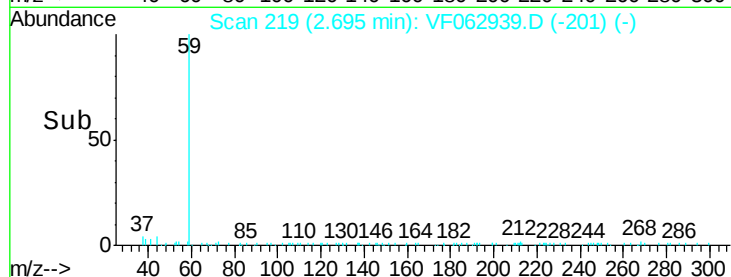
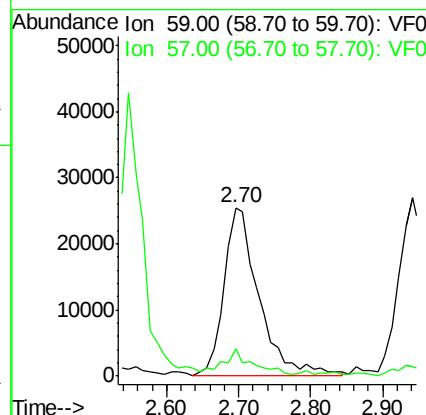
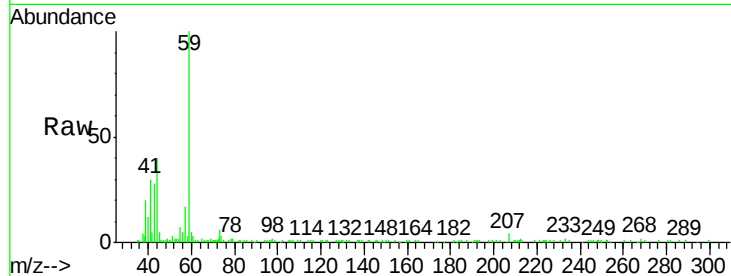
Tert butyl alcohol
Concen: 332.163 ug/l
RT: 2.70 min Scan# 219
Delta R.T. -0.02 min
Lab File: VF062939.D
Acq: 12 Jun 2019 20:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	84159
Ion Ratio	100	Lower	Upper
57	16.5	9.2	13.8#

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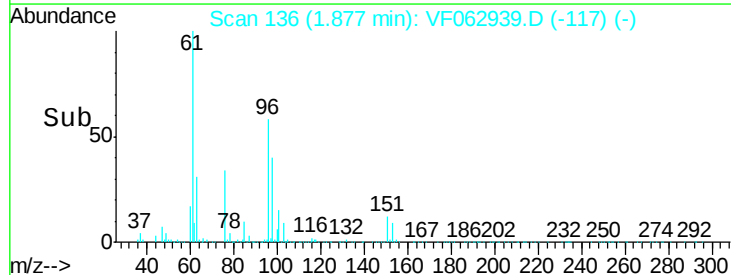
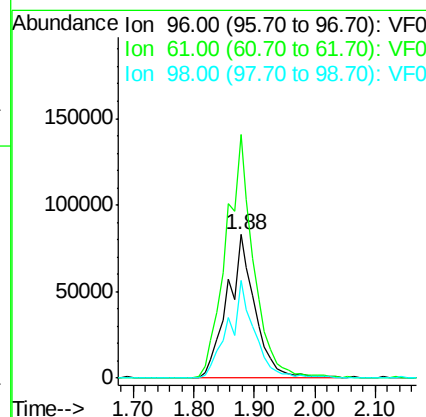
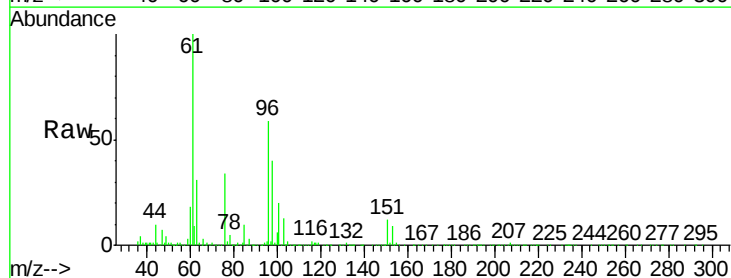
MMDadoda
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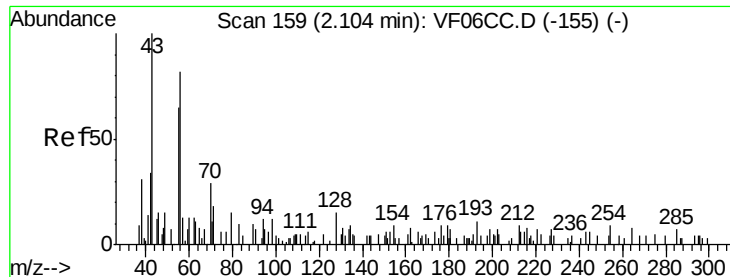


#12

1,1-Dichloroethene
Concen: 52.497 ug/l
RT: 1.88 min Scan# 136
Delta R.T. -0.01 min
Lab File: VF062939.D
Acq: 12 Jun 2019 20:36

Tgt Ion	96	Resp	263859
Ion Ratio	100	Lower	Upper
61	169.7	139.4	209.2
98	68.2	50.3	75.5





#13

Acrolein

Concen: 285.110 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.01 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 28742

Ion Ratio Lower Upper

56 100

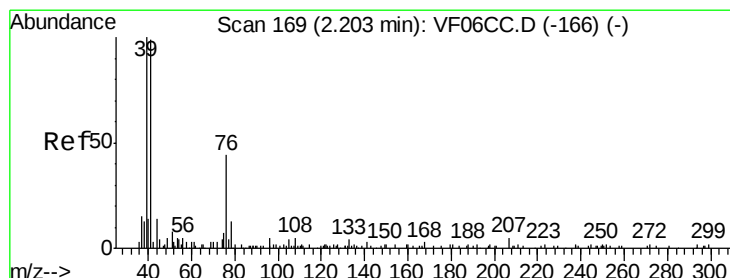
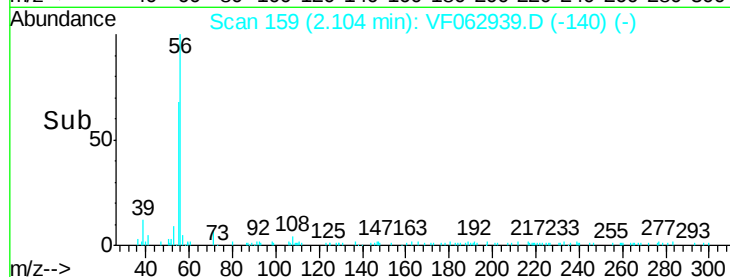
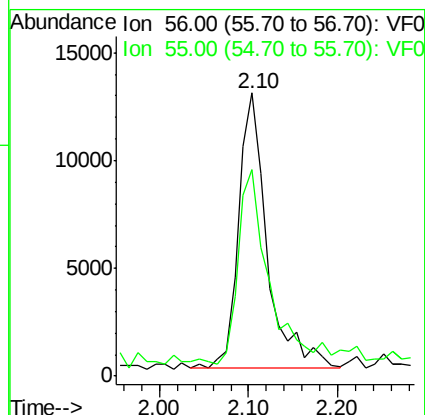
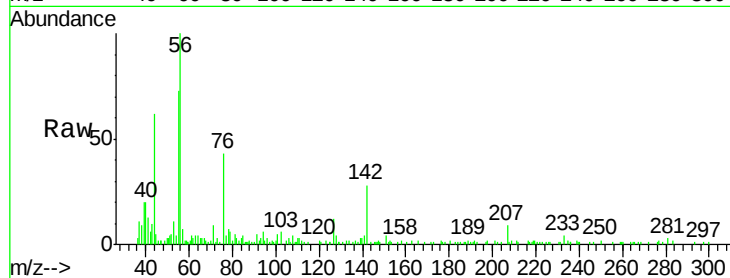
55 73.2 52.9 79.3

Manual Integrations

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#14

Allyl chloride

Concen: 77.078 ug/l

RT: 2.20 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

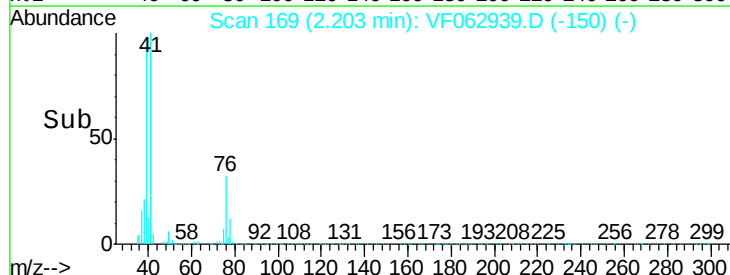
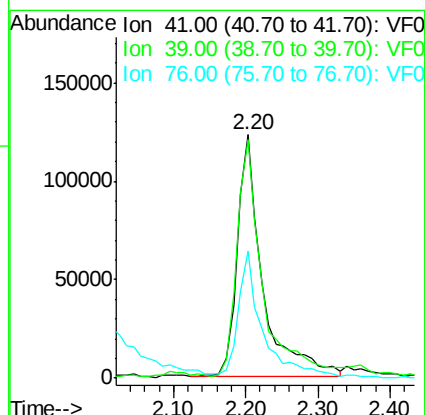
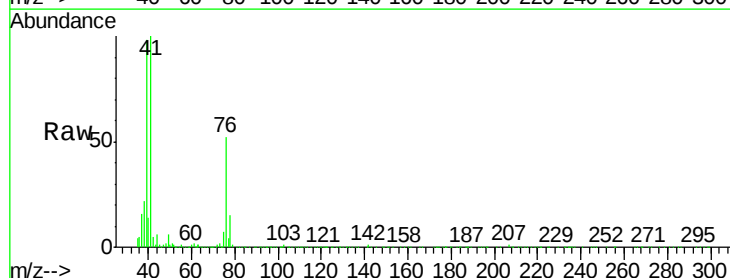
Tgt Ion: 41 Resp: 300546

Ion Ratio Lower Upper

41 100

39 97.9 71.9 107.9

76 52.3 39.6 59.4





#15

Acrylonitrile

Concen: 232.000 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.02 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Instrument :

MSVOA_F

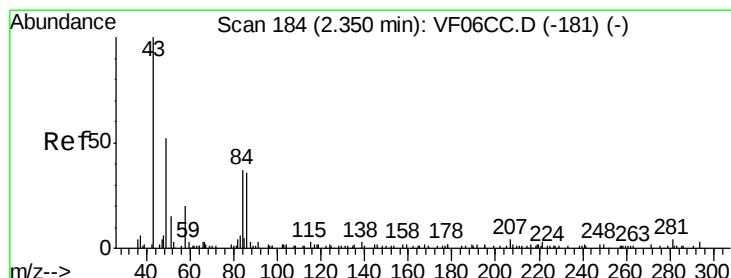
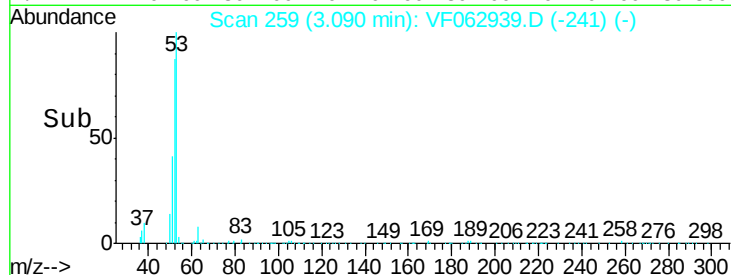
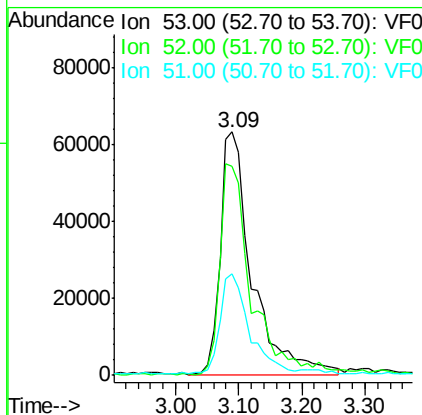
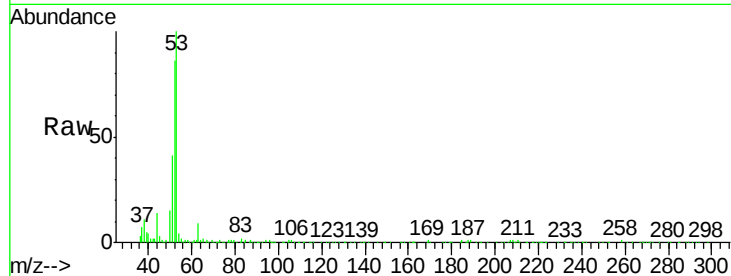
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	220875
Ion Ratio	Lower	Upper	
53	100		
52	86.1	68.1	102.1
51	41.5	27.7	41.5

Manual Integrations
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#16

Acetone

Concen: 287.416 ug/l

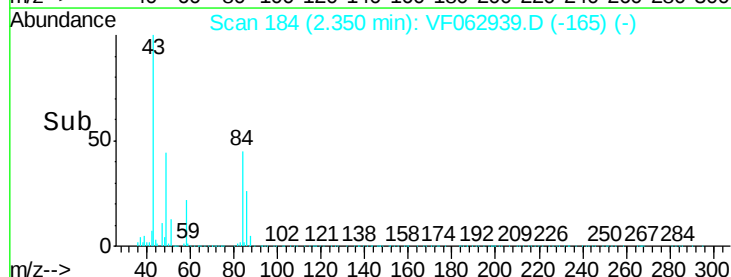
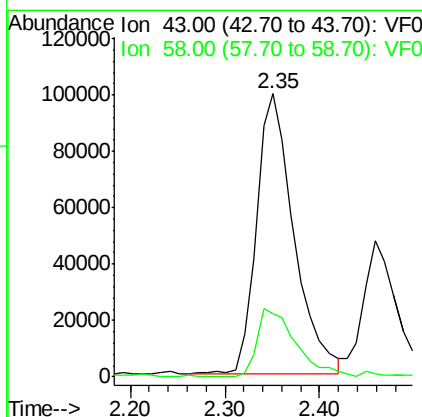
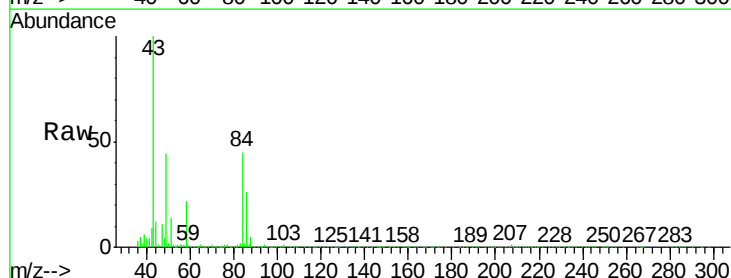
RT: 2.35 min Scan# 184

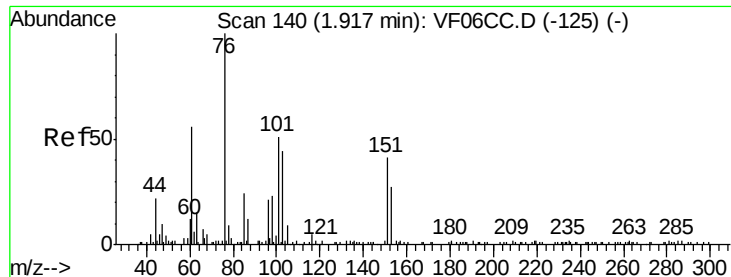
Delta R.T. -0.01 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Tgt Ion:	43	Resp:	275132
Ion Ratio	Lower	Upper	
43	100		
58	22.2	19.0	28.4





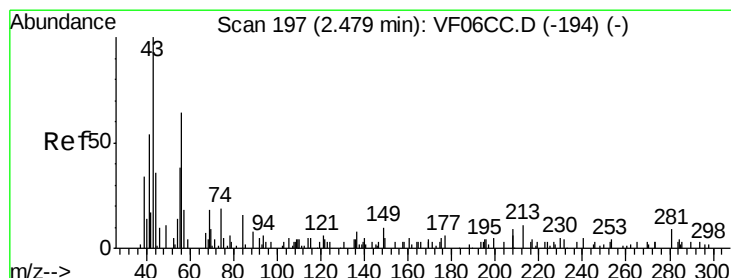
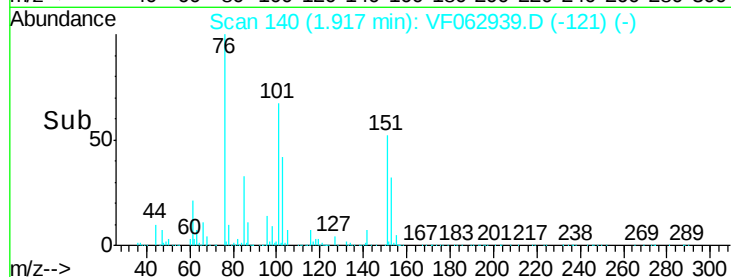
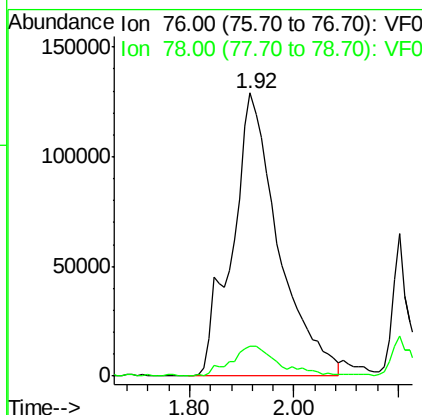
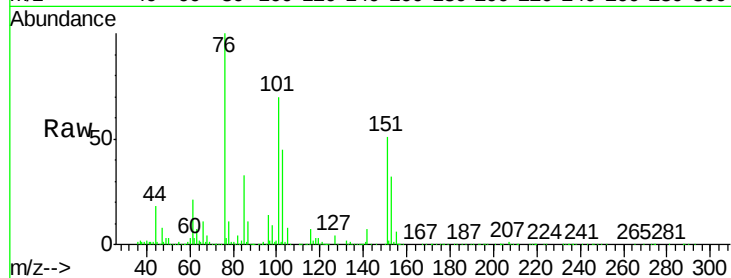
#17
Carbon Disulfide
Concen: 53.054 ug/l
RT: 1.92 min Scan# 140
Delta R.T. -0.01 min
Lab File: VF062939.D
Acq: 12 Jun 2019 20:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 779363
Ion Ratio Lower Upper
76 100
78 10.5 9.4 14.2

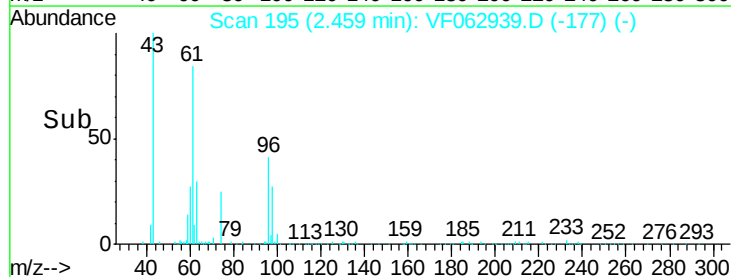
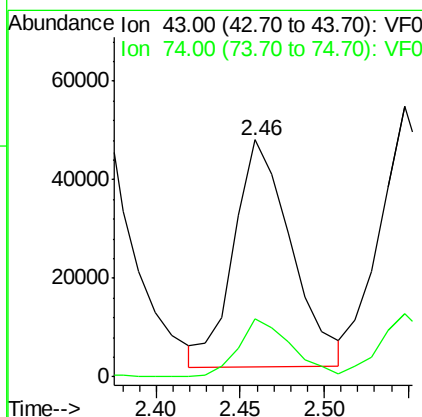
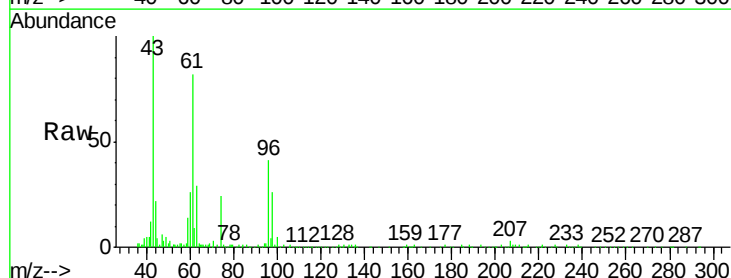
Manual Integrations
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6/13/2019 11:33:07 AM



#18
Methyl Acetate
Concen: 65.186 ug/l
RT: 2.46 min Scan# 195
Delta R.T. -0.02 min
Lab File: VF062939.D
Acq: 12 Jun 2019 20:36

Tgt Ion: 43 Resp: 109043
Ion Ratio Lower Upper
43 100
74 24.5 22.1 33.1





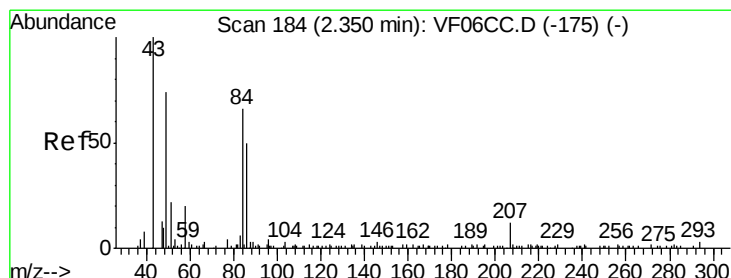
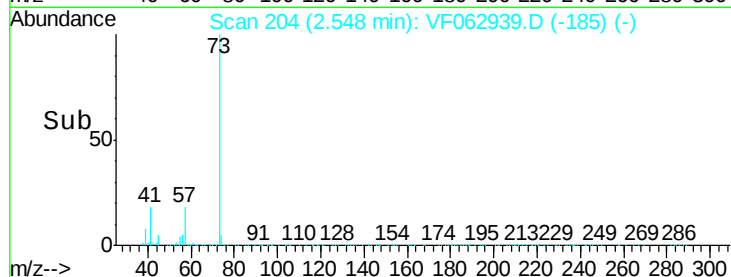
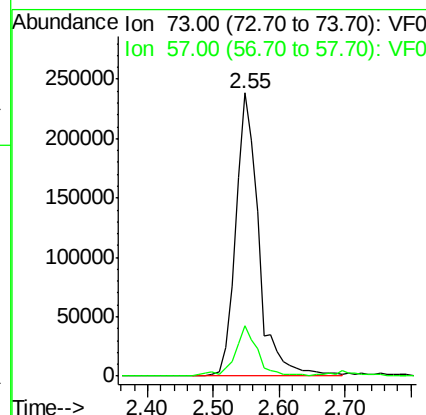
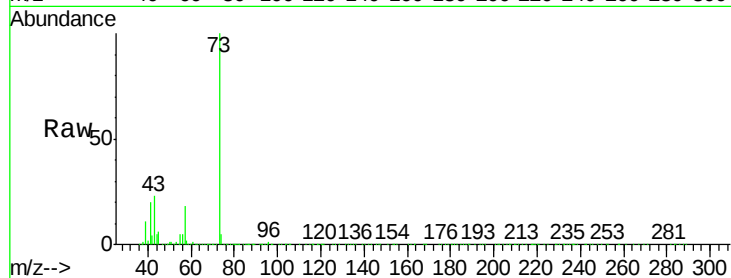
#19
Methvl tert-butvl Ether
Concen: 64.088 ug/l
RT: 2.55 min Scan# 204
Delta R.T. -0.01 min
Lab File: VF062939.D
Acq: 12 Jun 2019 20:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.0	15.1	22.7

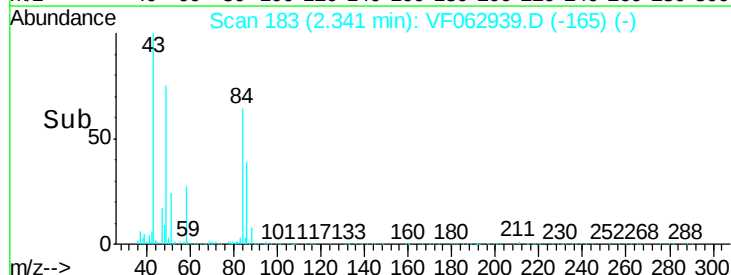
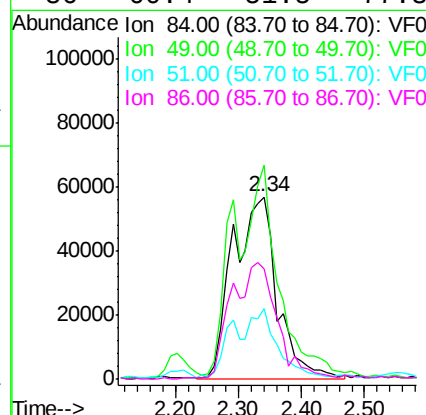
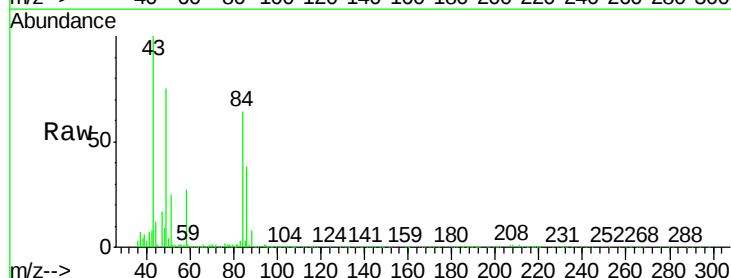
Manual Integrations
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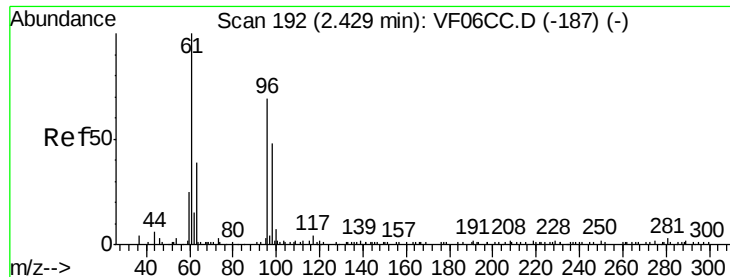
MMDadoda
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#20
Methylene Chloride
Concen: 58.298 ug/l m
RT: 2.34 min Scan# 183
Delta R.T. -0.02 min
Lab File: VF062939.D
Acq: 12 Jun 2019 20:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.4	82.6	123.8
51	39.0	25.0	37.4#
86	60.4	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 56.437 ug/l

RT: 2.43 min Scan# 192

Delta R.T. -0.01 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Instrument :

MSVOA_F

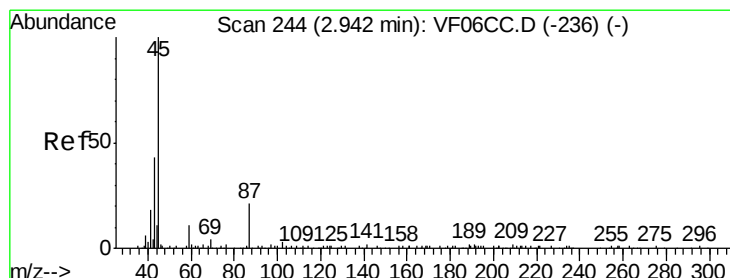
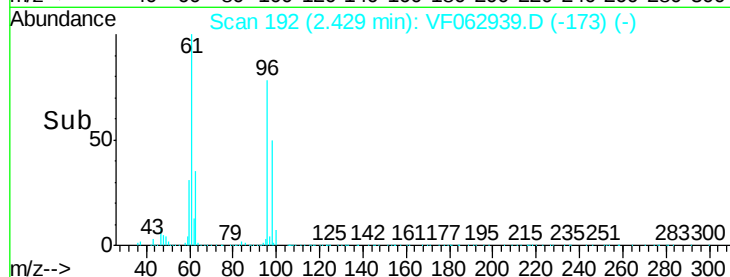
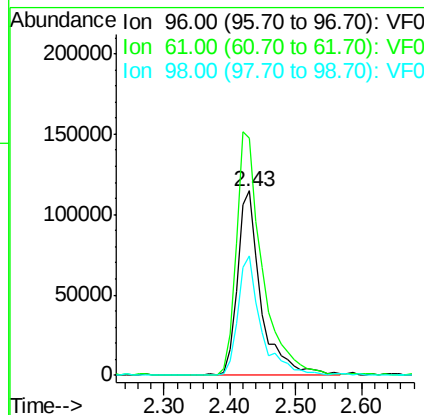
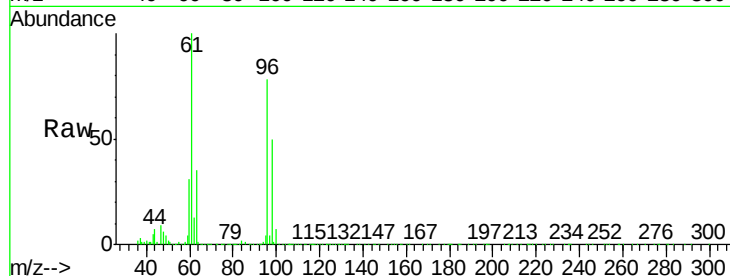
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	284415
Ion Ratio	Lower	Upper	
96	100		
61	128.7	105.0	157.6
98	64.8	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 54.364 ug/l

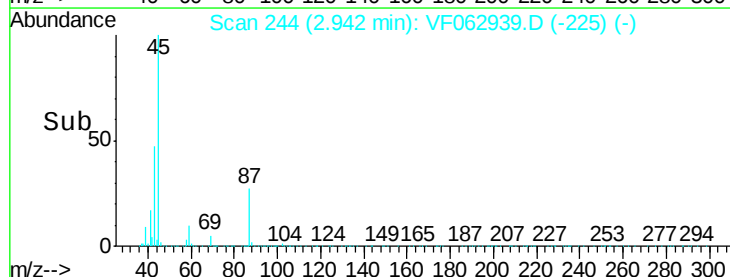
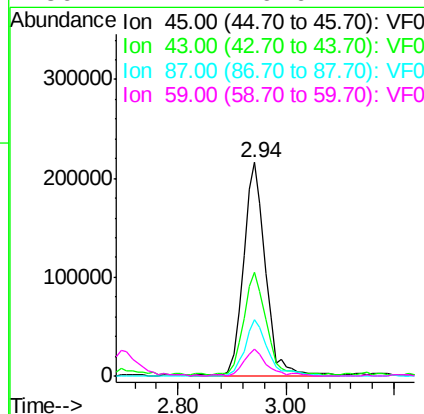
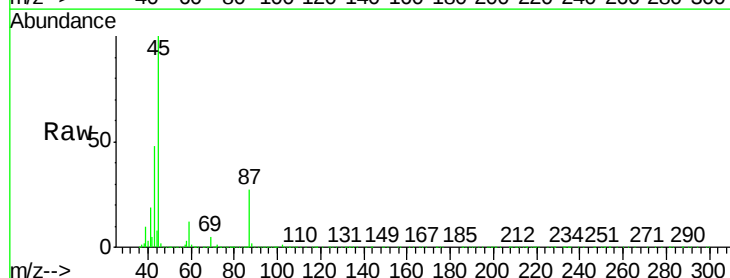
RT: 2.94 min Scan# 244

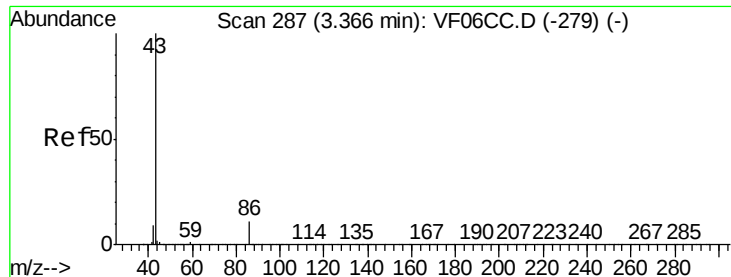
Delta R.T. -0.01 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Tgt Ion:	45	Resp:	602256
Ion Ratio	Lower	Upper	
45	100		
43	48.4	34.3	51.5
87	26.5	19.0	28.4
59	12.4	9.6	14.4





#23

Vinyl Acetate

Concen: 303.645 ug/l

RT: 3.34 min Scan# 284

Delta R.T. -0.03 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2302895

Ion Ratio Lower Upper

43 100

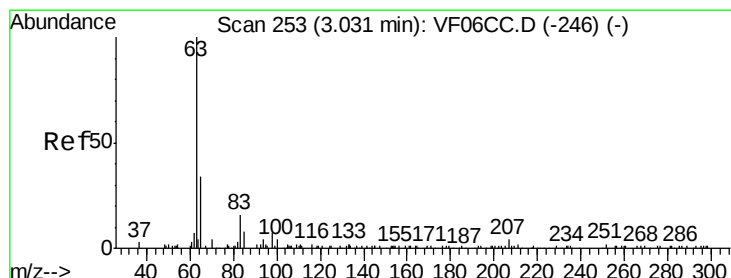
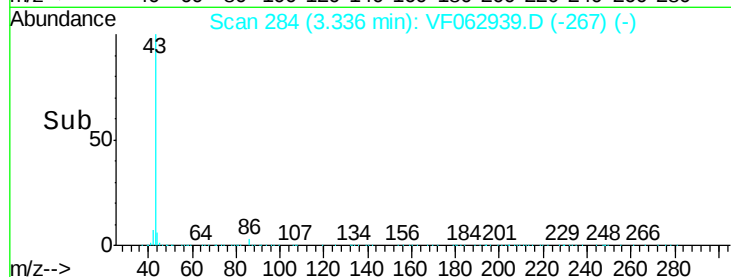
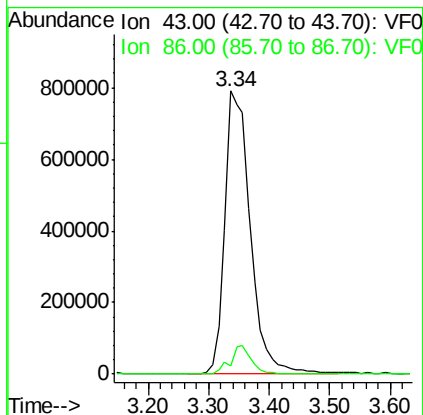
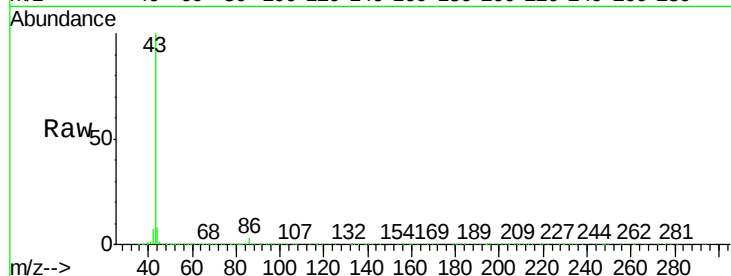
86 3.1 8.2 12.2#

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 66.865 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.02 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

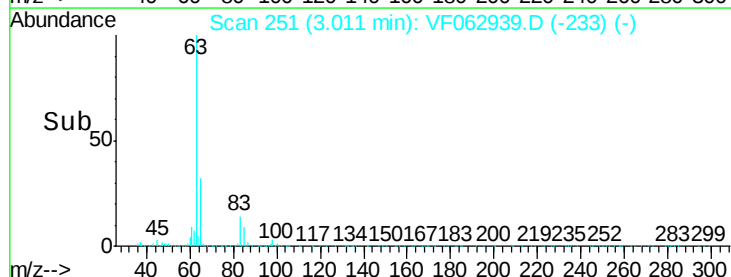
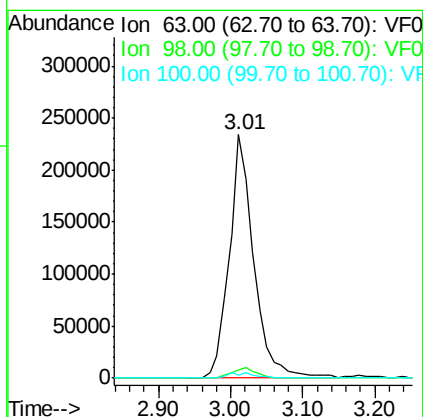
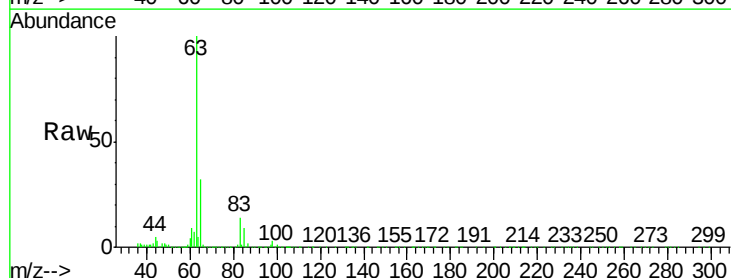
Tgt Ion: 63 Resp: 553072

Ion Ratio Lower Upper

63 100

98 3.2 2.4 7.1

100 1.4 1.5 4.5#





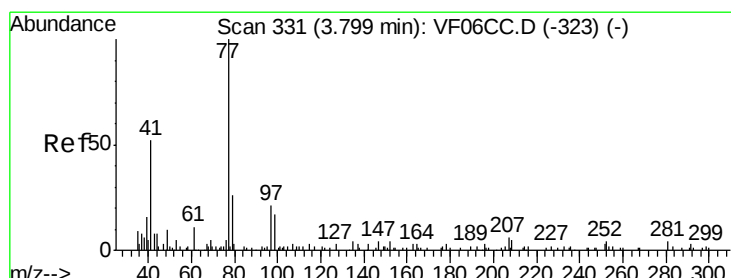
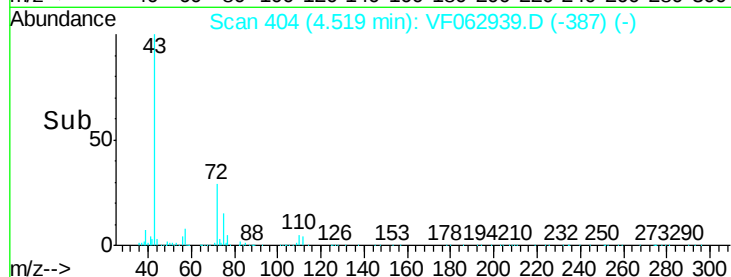
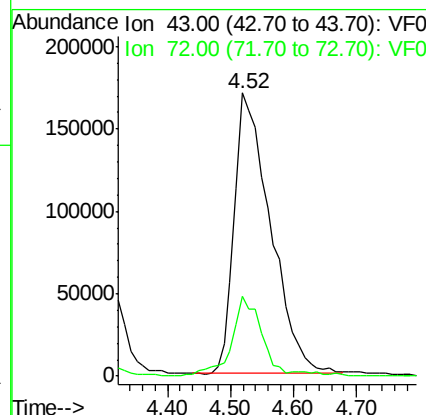
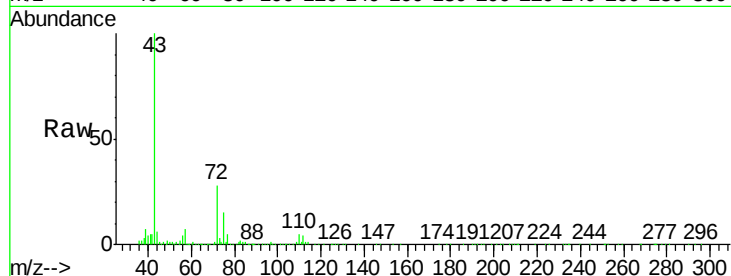
#25
2-Butanone
Concen: 304.762 ug/l
RT: 4.52 min Scan# 404
Delta R.T. -0.03 min
Lab File: VF062939.D
Acq: 12 Jun 2019 20:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
72	28.0	21.4	32.0

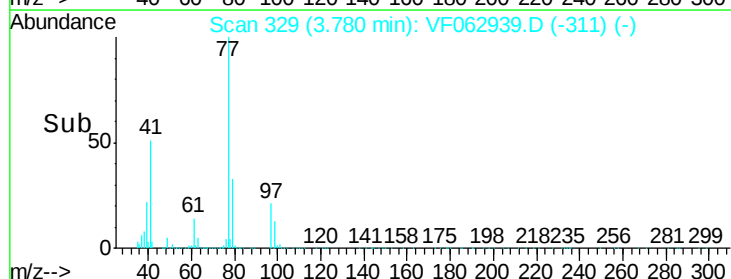
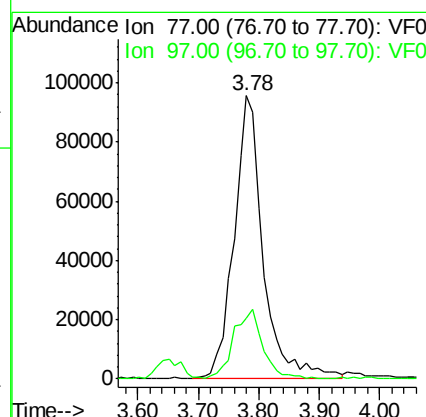
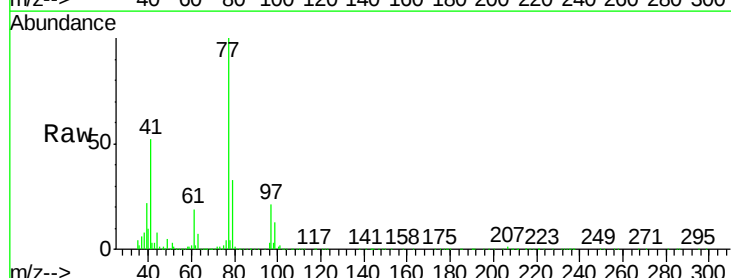
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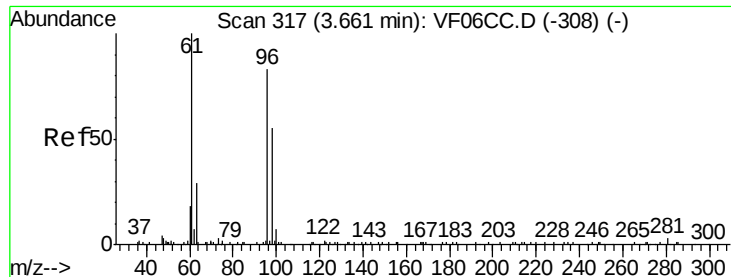
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#26
2,2-Dichloropropane
Concen: 67.165 ug/l
RT: 3.78 min Scan# 329
Delta R.T. -0.02 min
Lab File: VF062939.D
Acq: 12 Jun 2019 20:36

Tgt Ion	Ratio	Lower	Upper
77	100		
97	21.3	12.4	37.4





#27

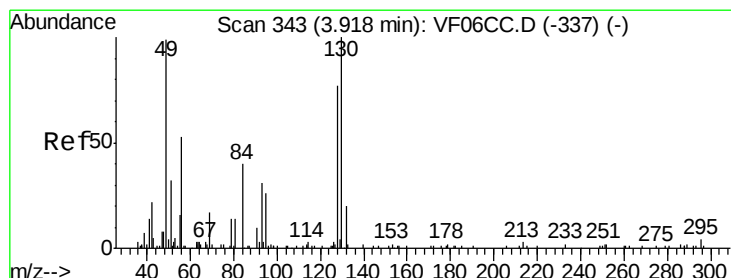
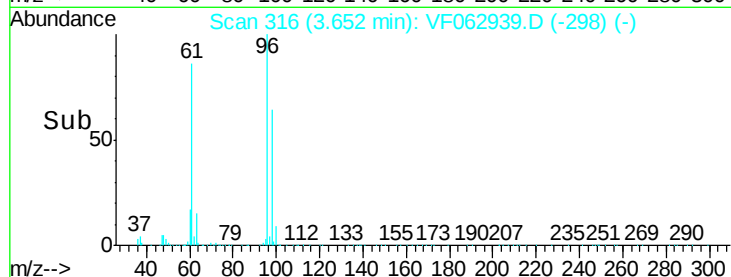
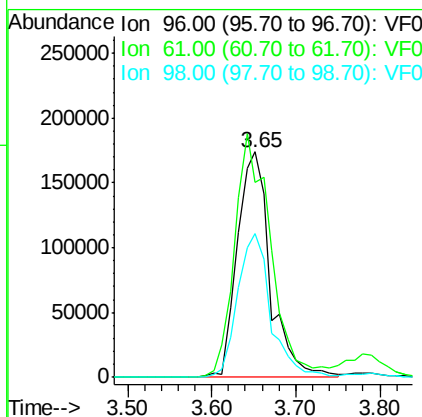
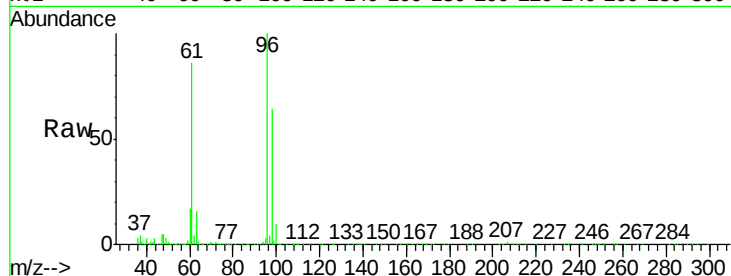
cis-1,2-Dichloroethene
Concen: 55.813 ug/l
RT: 3.65 min Scan# 316
Delta R.T. -0.02 min
Lab File: VF062939.D
Acq: 12 Jun 2019 20:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	86.2	0.0	213.8
98	63.7	0.0	127.0

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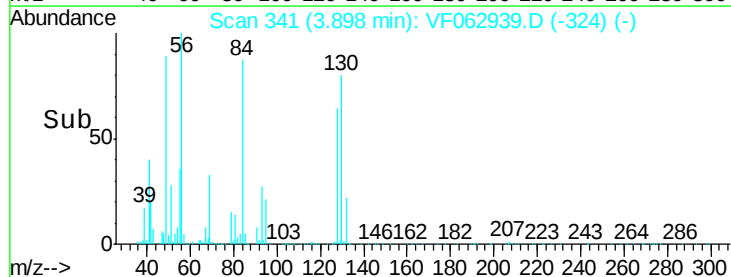
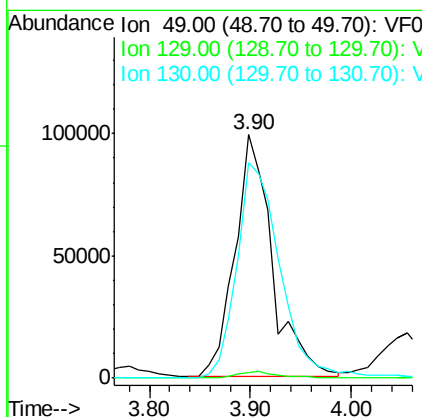
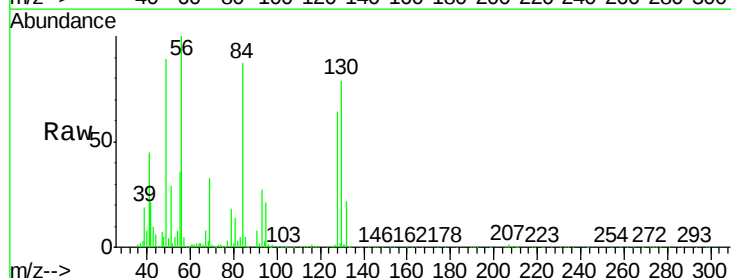
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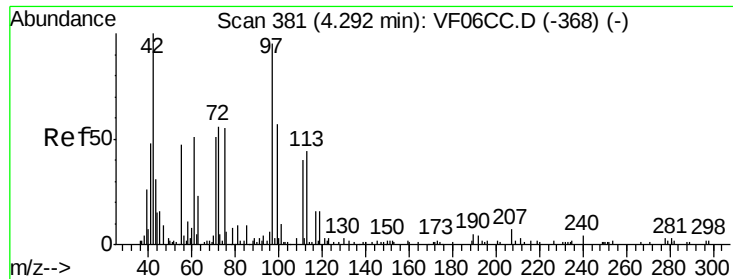


#28

Bromochloromethane
Concen: 57.198 ug/l
RT: 3.90 min Scan# 341
Delta R.T. -0.03 min
Lab File: VF062939.D
Acq: 12 Jun 2019 20:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	5.4
130	89.8	79.2	118.8





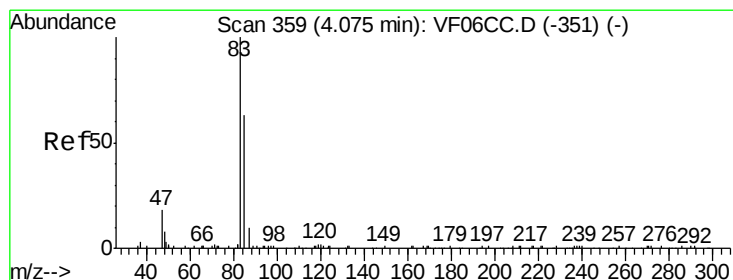
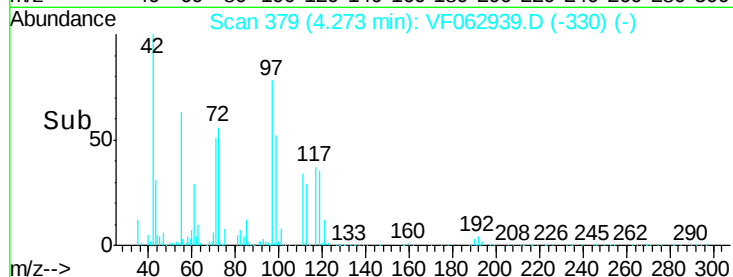
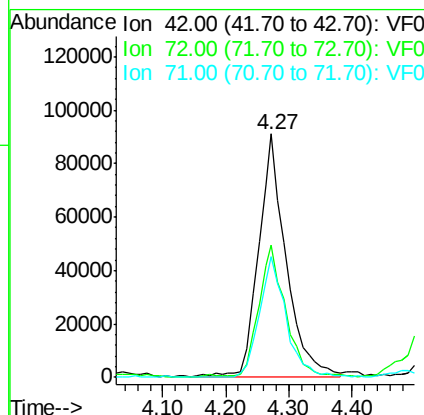
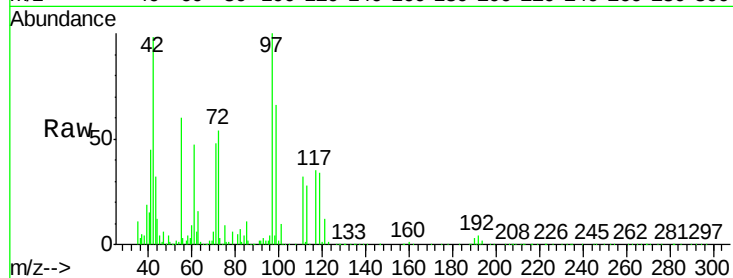
#29
Tetrahydrofuran
Concen: 321.038 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.02 min
Lab File: VF062939.D
Acq: 12 Jun 2019 20:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.5	39.0	58.6
71	49.2	36.9	55.3

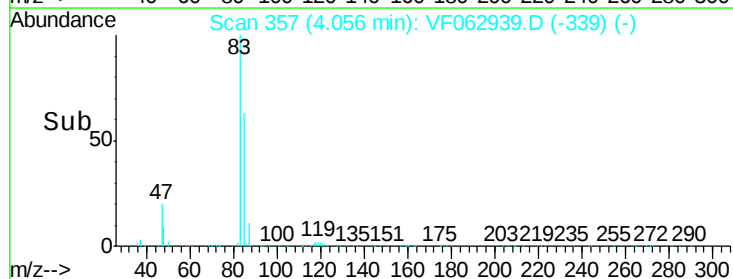
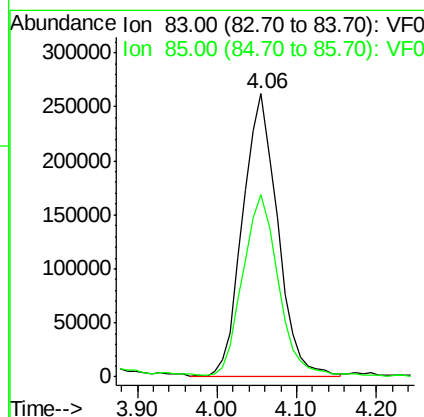
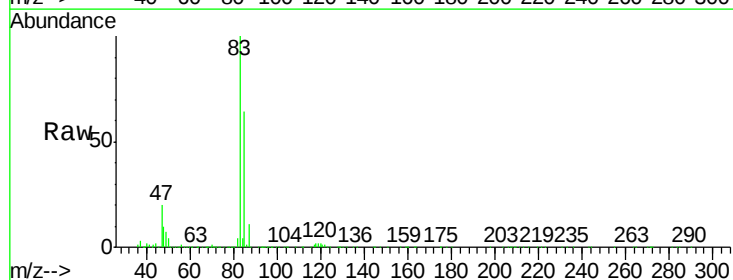
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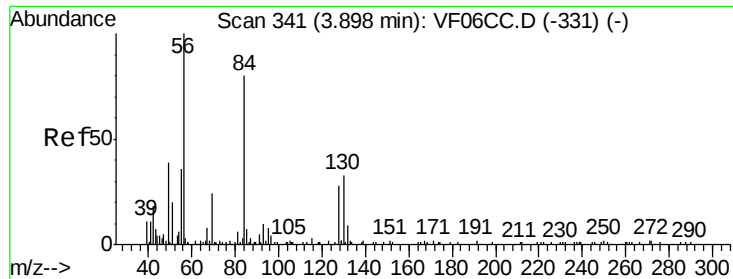
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#30
Chloroform
Concen: 67.687 ug/l
RT: 4.06 min Scan# 357
Delta R.T. -0.02 min
Lab File: VF062939.D
Acq: 12 Jun 2019 20:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	55.0	82.6





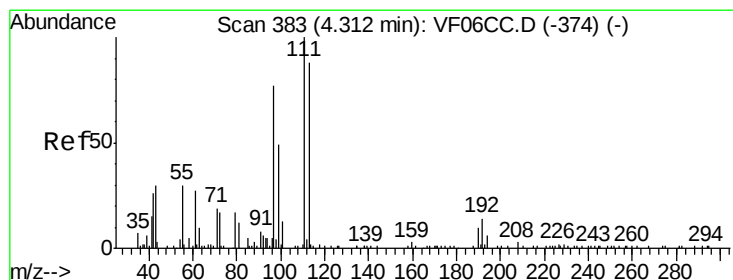
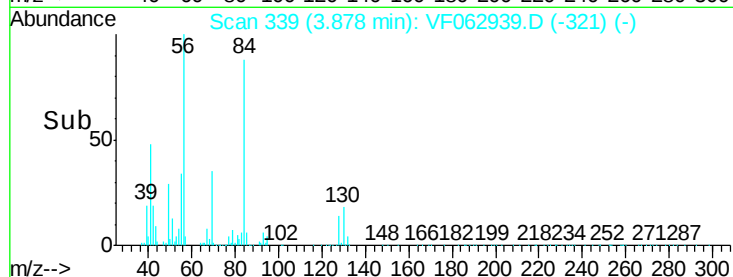
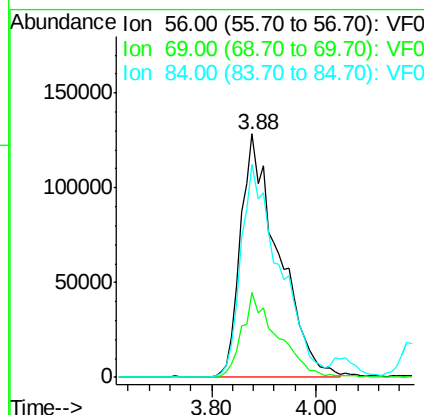
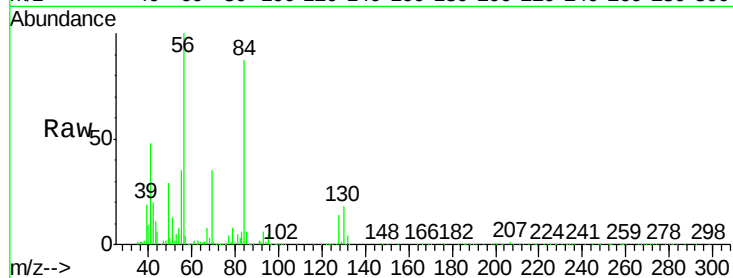
#31
Cyclohexane
Concen: 56.457 ug/l
RT: 3.88 min Scan# 339
Delta R.T. -0.02 min
Lab File: VF062939.D
Acq: 12 Jun 2019 20:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.0	26.7	40.1
84	87.2	74.3	111.5

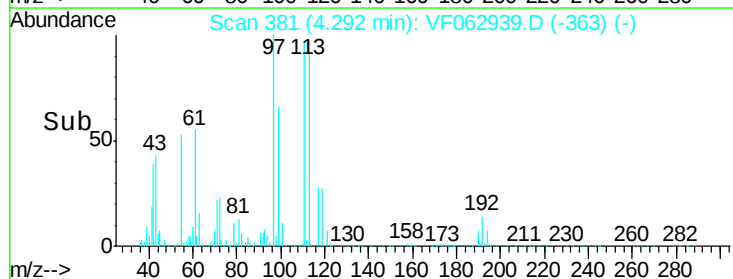
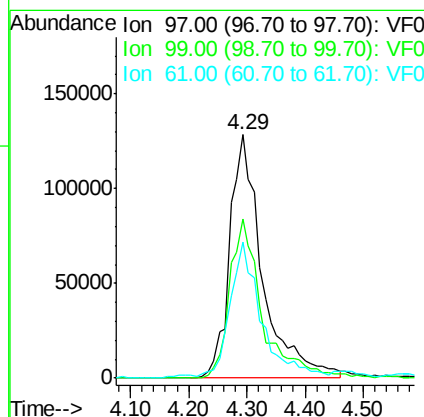
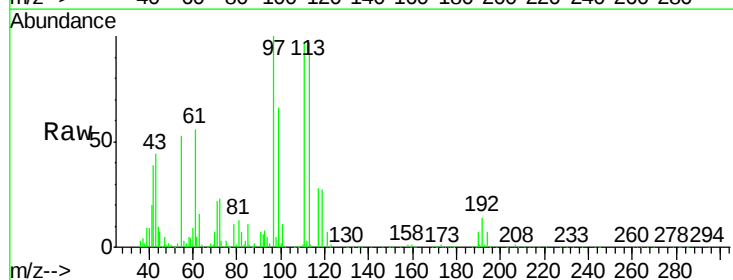
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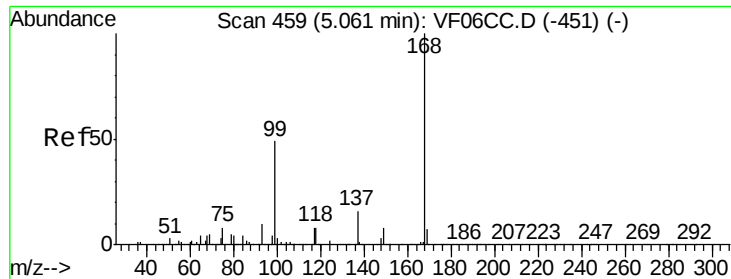
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#32
1,1,1-Trichloroethane
Concen: 74.259 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.02 min
Lab File: VF062939.D
Acq: 12 Jun 2019 20:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.7	77.5
61	55.7	38.9	58.3





#33

1,2-Dichloroethane-d4

Concen: 62.690 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.02 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 262195

Ion Ratio Lower Upper

65 100

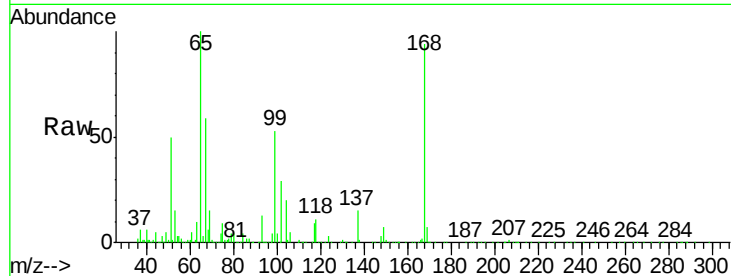
67 58.8 0.0 121.2

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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.03

100000

80000

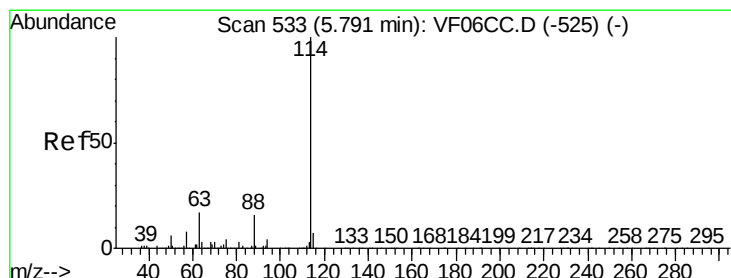
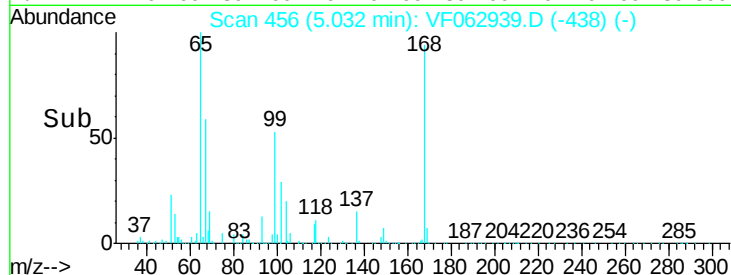
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. -0.01 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

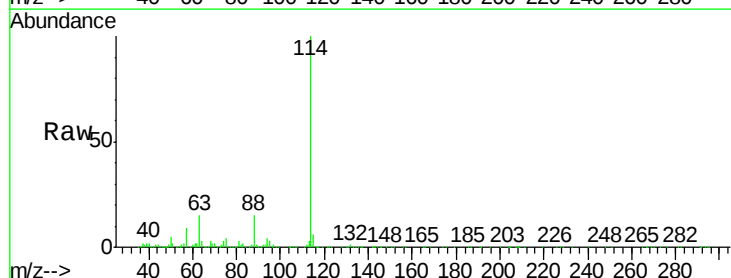
Tgt Ion: 114 Resp: 505126

Ion Ratio Lower Upper

114 100

63 14.7 0.0 34.2

88 14.9 0.0 31.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

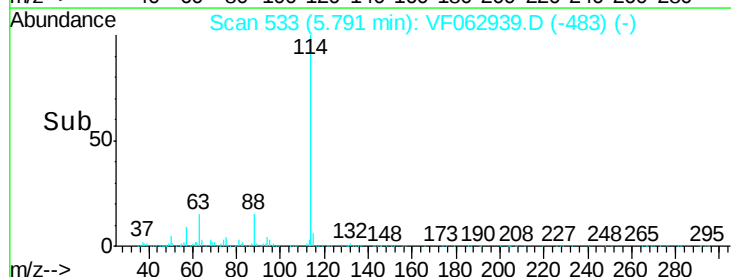
300000

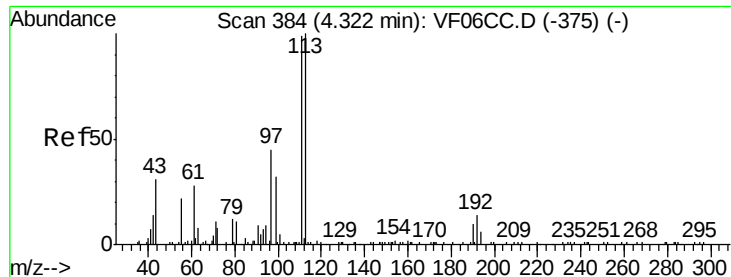
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 126.774 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.02 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Instrument :

MSVOA_F

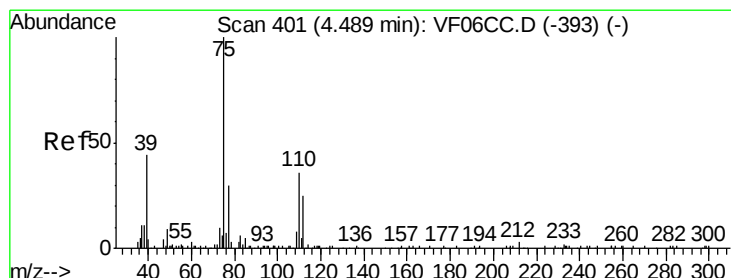
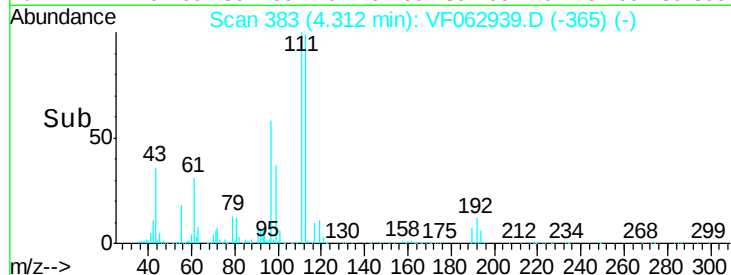
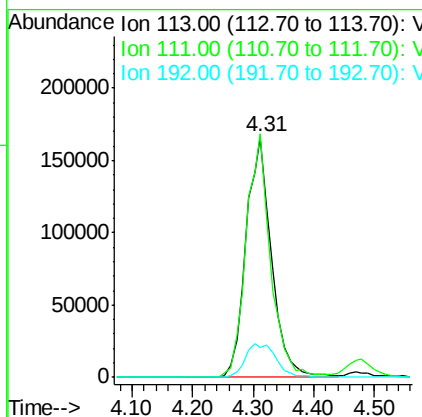
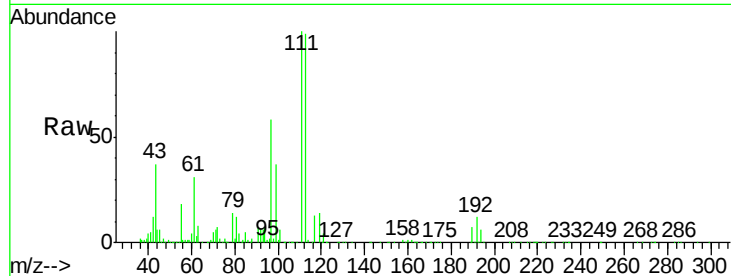
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	483896
Ion Ratio	Lower	Upper	
113	100		
111	101.5	81.9	122.9
192	12.6	15.1	22.7#

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#36

1,1-Dichloropropene

Concen: 113.431 ug/l

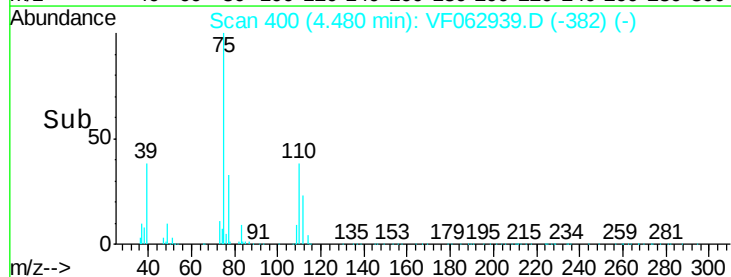
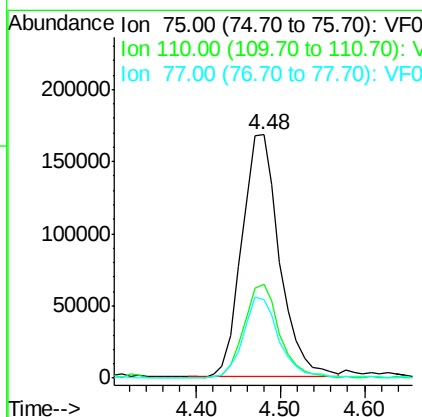
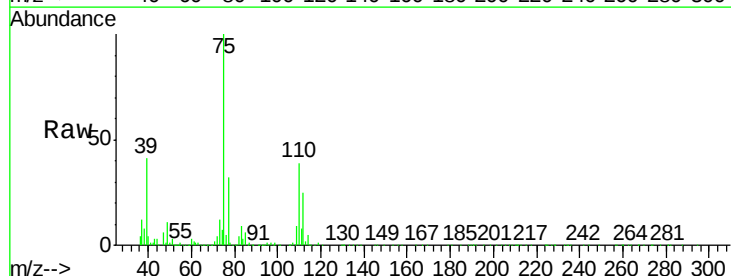
RT: 4.48 min Scan# 400

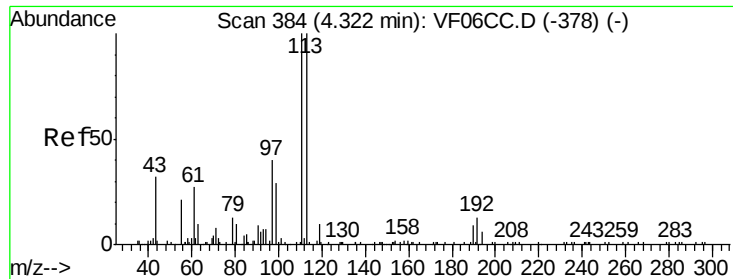
Delta R.T. -0.02 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Tgt Ion:	75	Resp:	527472
Ion Ratio	Lower	Upper	
75	100		
110	38.7	19.4	58.1
77	32.3	25.4	38.2





#37

Ethyl Acetate

Concen: 137.110 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.03 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Instrument :

MSVOA_F

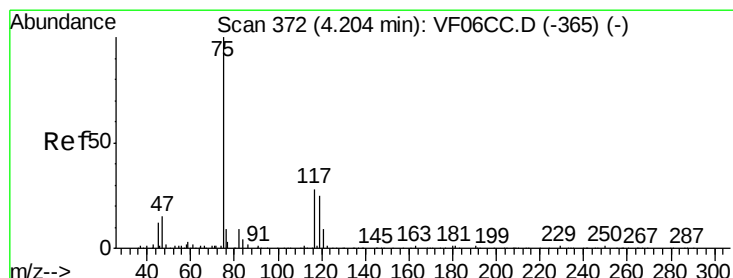
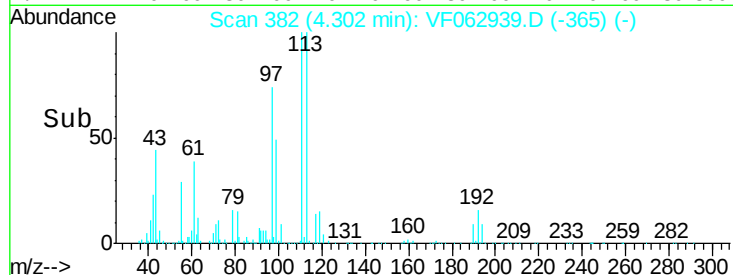
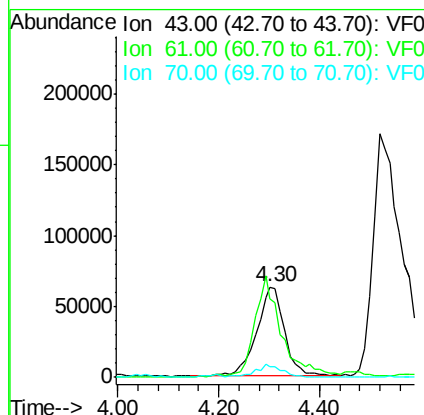
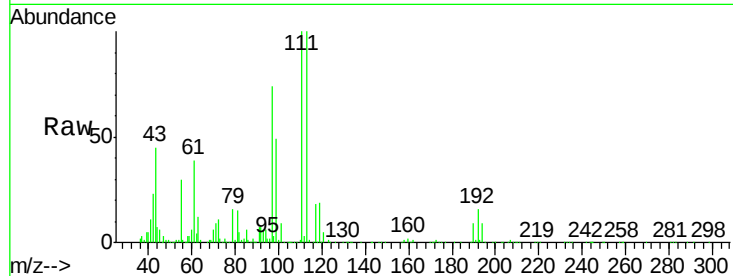
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	243724
Ion	Ratio	Lower	Upper
43	100		
61	87.0	59.1	88.7
70	12.4	10.1	15.1

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#38

Carbon Tetrachloride

Concen: 144.770 ug/l

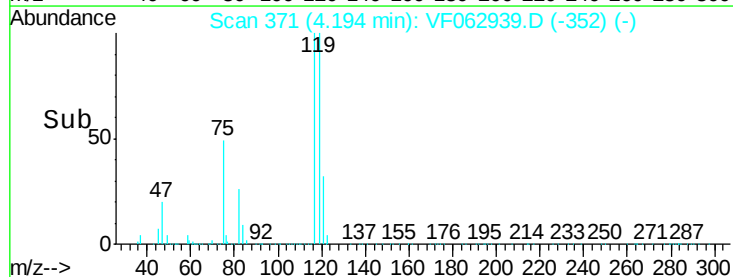
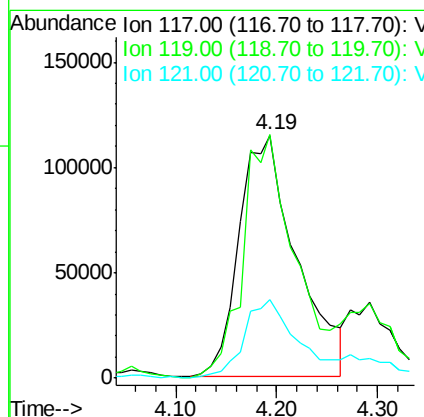
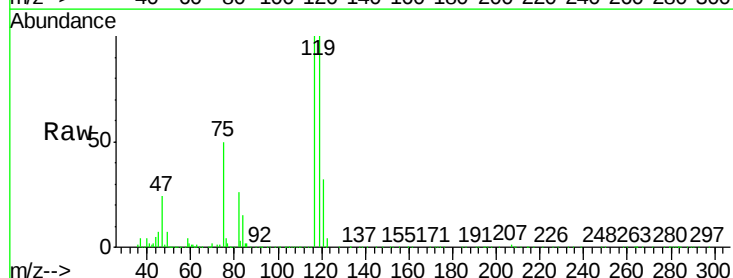
RT: 4.19 min Scan# 371

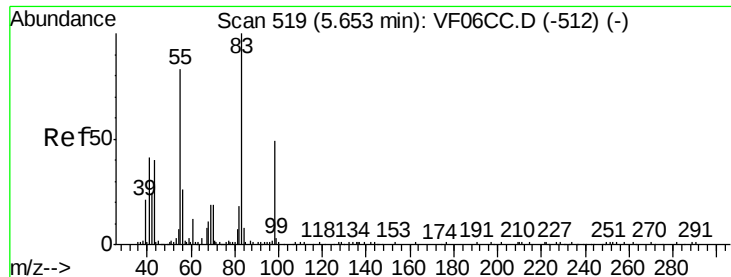
Delta R.T. -0.01 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Tgt Ion:	117	Resp:	454977
Ion	Ratio	Lower	Upper
117	100		
119	100.2	78.2	117.2
121	32.3	28.2	42.2





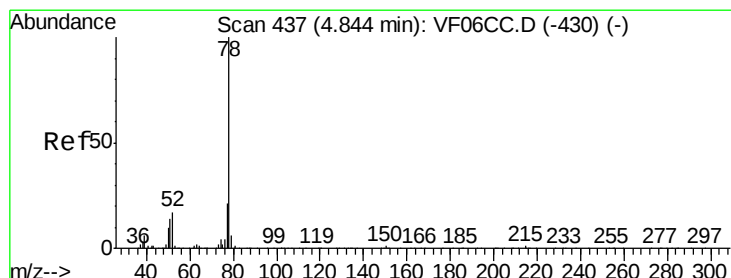
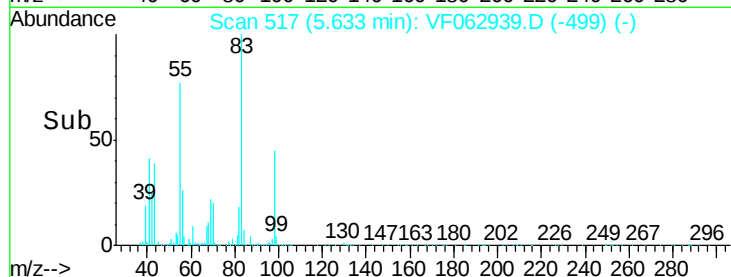
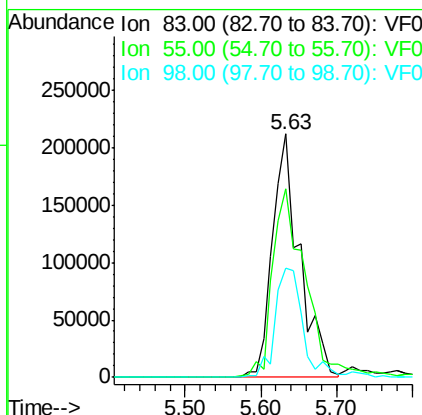
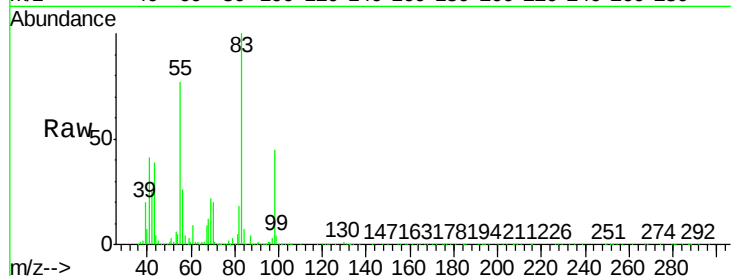
#39
Methvlcvclohexane
Concen: 91.026 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.02 min
Lab File: VF062939.D
Acq: 12 Jun 2019 20:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.4	61.6	92.4
98	44.9	37.4	56.2

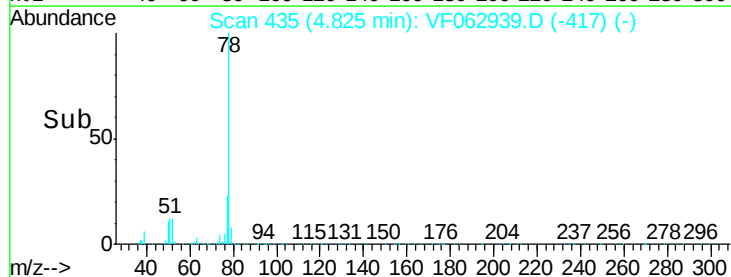
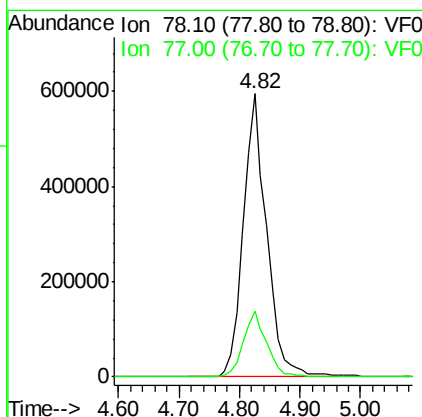
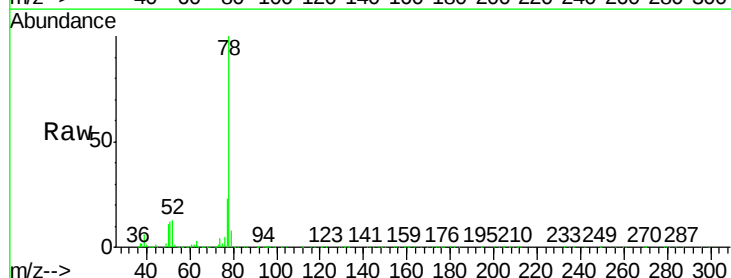
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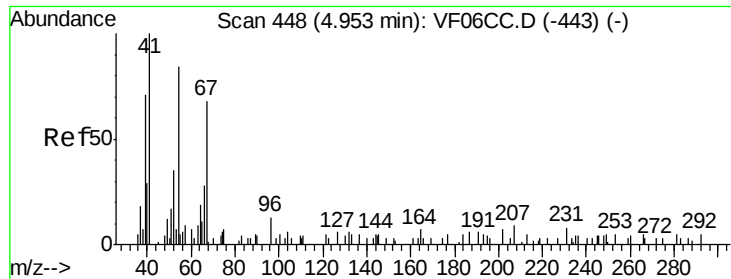
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#40
Benzene
Concen: 117.587 ug/l
RT: 4.82 min Scan# 435
Delta R.T. -0.02 min
Lab File: VF062939.D
Acq: 12 Jun 2019 20:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.9	28.3





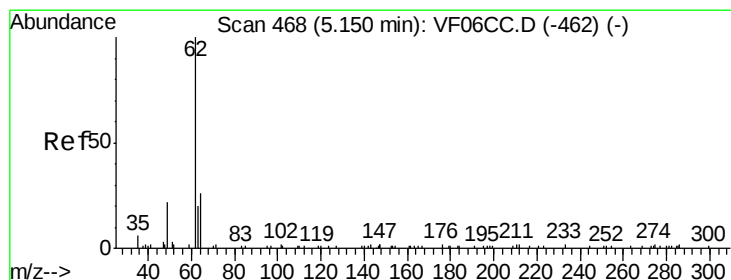
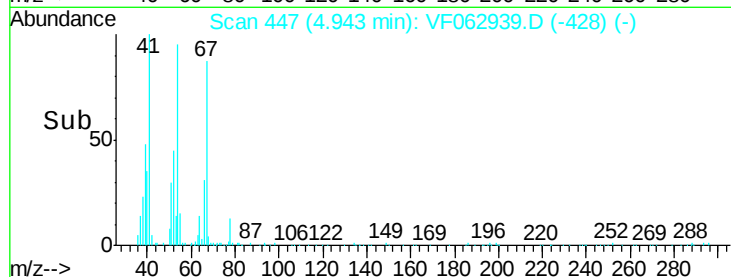
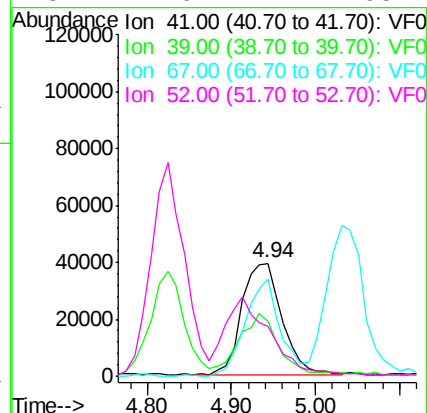
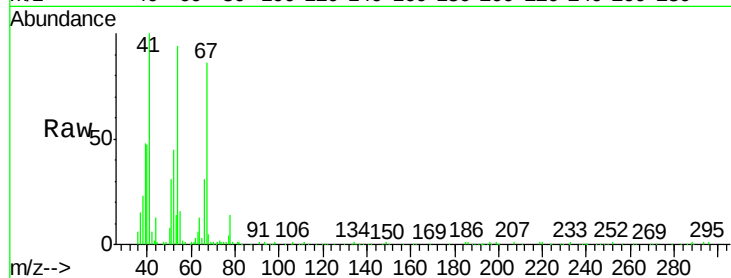
#41
Methacrylonitrile
Concen: 130.821 ug/l
RT: 4.94 min Scan# 447
Delta R.T. -0.01 min
Lab File: VF062939.D
Acq: 12 Jun 2019 20:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	48.2	42.0	63.0
67	85.8	61.4	92.0
52	44.6	42.1	63.1

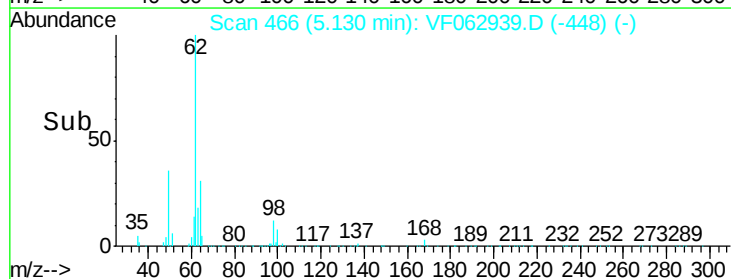
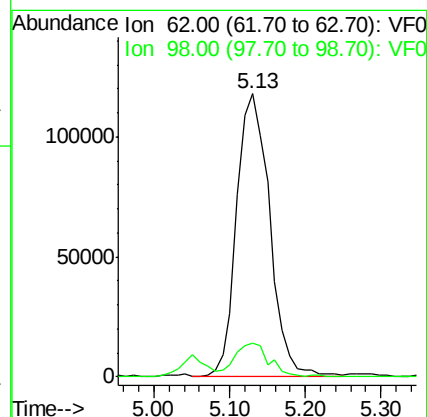
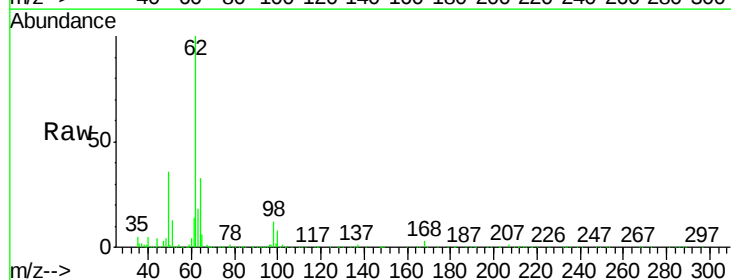
Manual Integrations
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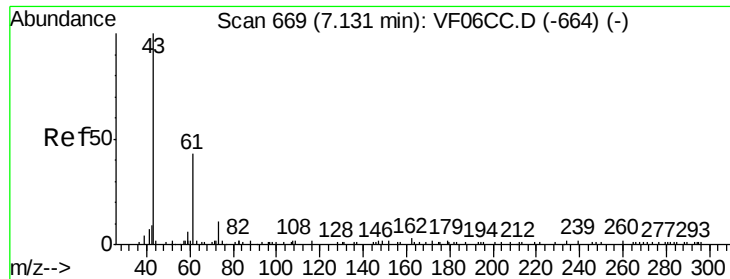
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#42
1,2-Dichloroethane
Concen: 139.458 ug/l
RT: 5.13 min Scan# 466
Delta R.T. -0.02 min
Lab File: VF062939.D
Acq: 12 Jun 2019 20:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	12.0	0.0	24.0





#43

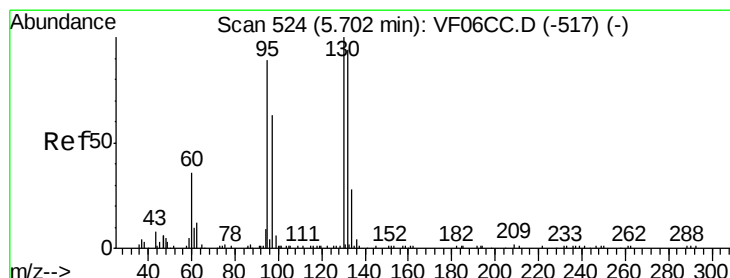
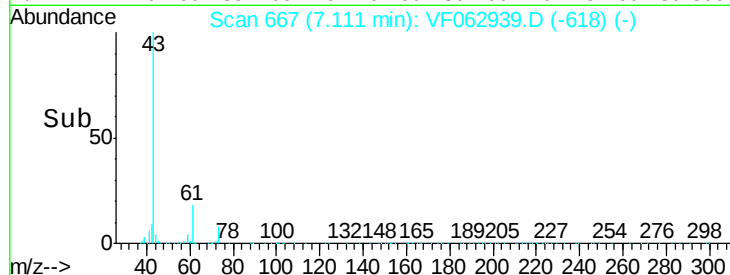
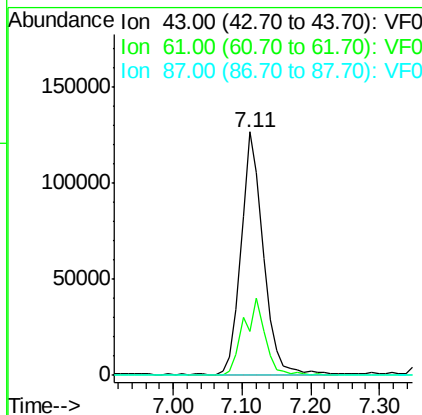
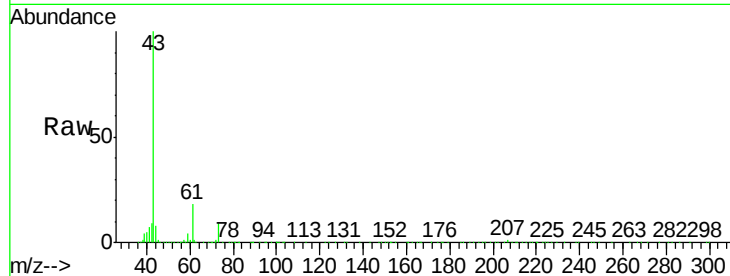
Isopropyl Acetate
 Concen: 121.063 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.02 min
 Lab File: VF062939.D
 Acq: 12 Jun 2019 20:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.0	29.8	44.6#
87	0.0	0.3	0.5#

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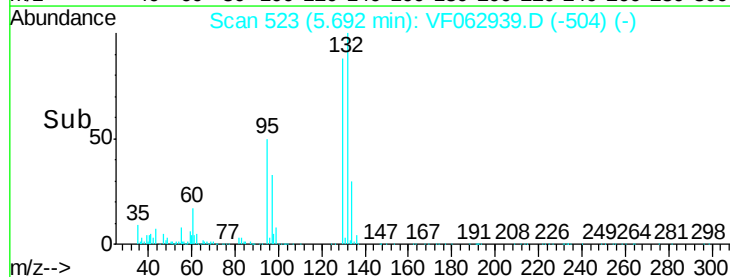
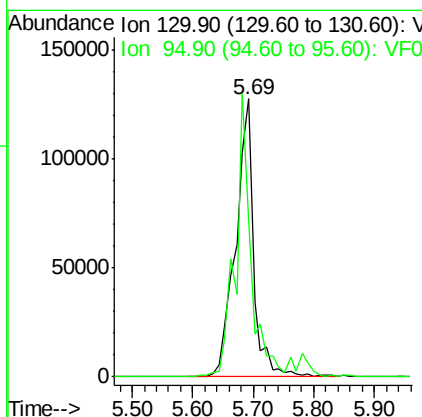
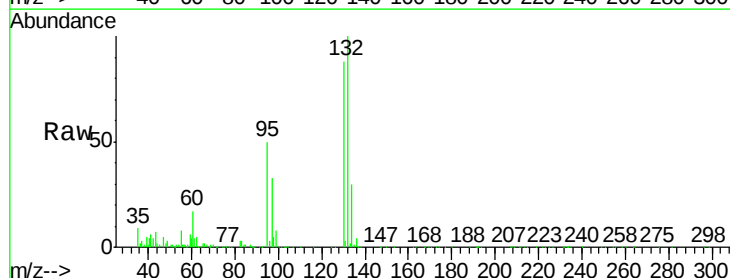
MMDadoda
 6/13/2019 11:33:07 AM

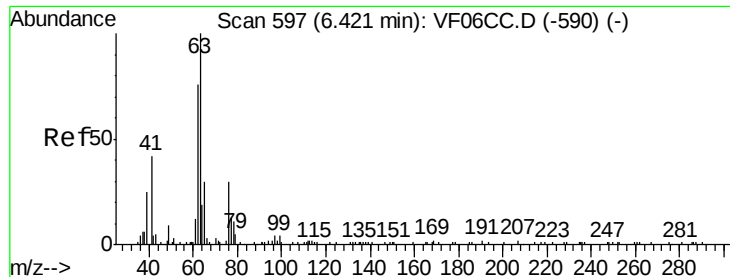


#44

Trichloroethene
 Concen: 69.148 ug/l
 RT: 5.69 min Scan# 523
 Delta R.T. -0.01 min
 Lab File: VF062939.D
 Acq: 12 Jun 2019 20:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	56.4	0.0	188.2





#45

1,2-Dichloropropane

Concen: 117.174 ug/l

RT: 6.41 min Scan# 596

Delta R.T. -0.02 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 397948

Ion Ratio Lower Upper

63 100

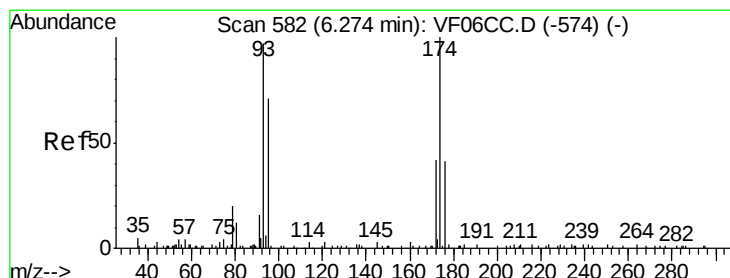
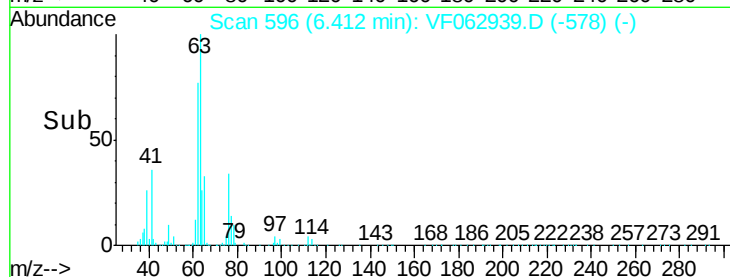
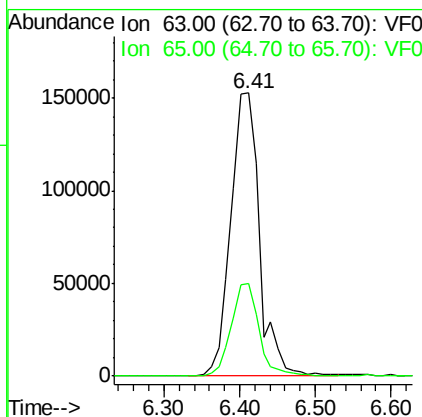
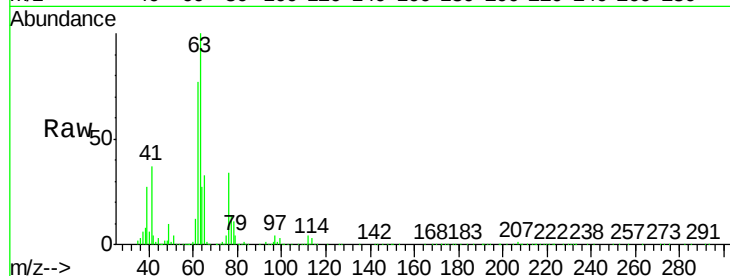
65 32.8 24.2 36.2

Manual Integrations

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#46

Dibromomethane

Concen: 69.613 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.03 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

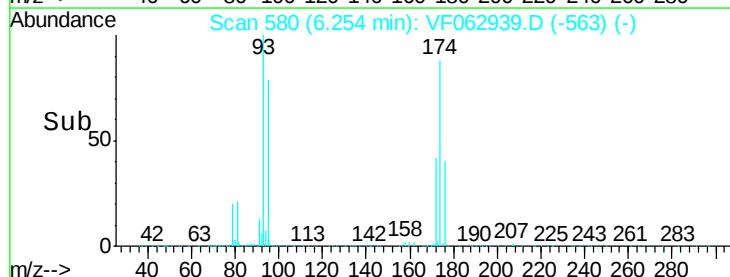
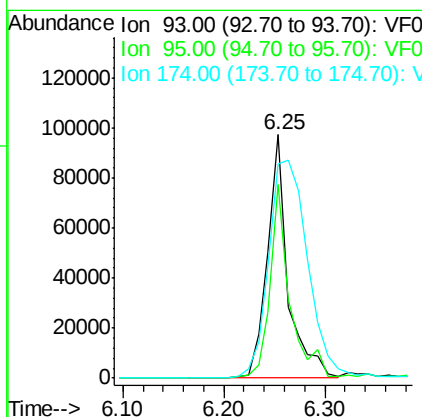
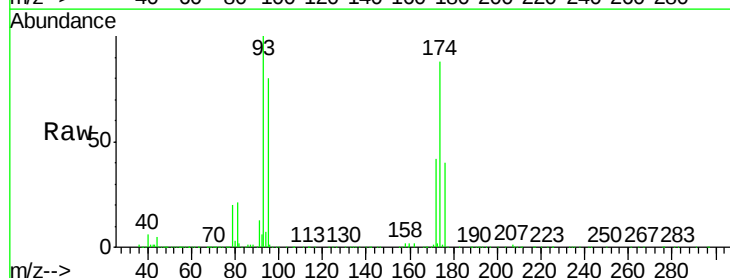
Tgt Ion: 93 Resp: 138033

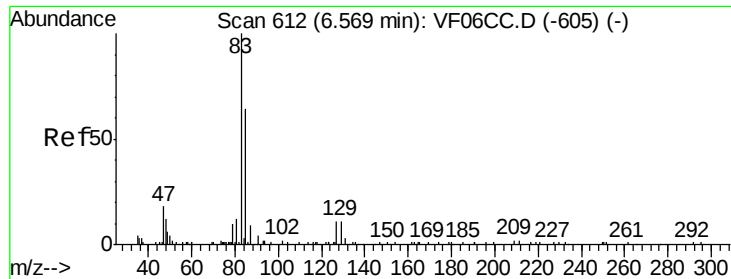
Ion Ratio Lower Upper

93 100

95 79.6 67.9 101.9

174 87.8 85.0 127.4





#47

Bromodichloromethane

Concen: 112.021 ug/l

RT: 6.55 min Scan# 610

Delta R.T. -0.03 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Instrument :

MSVOA_F

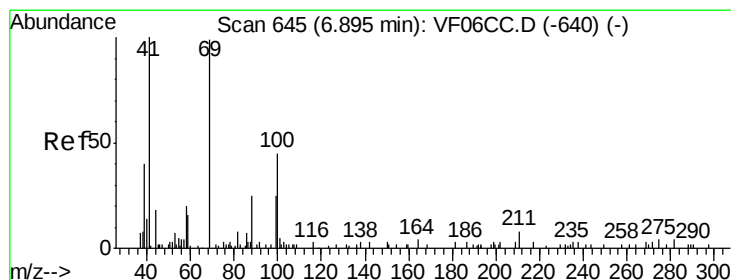
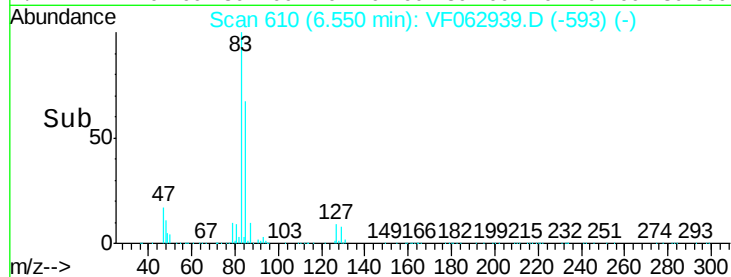
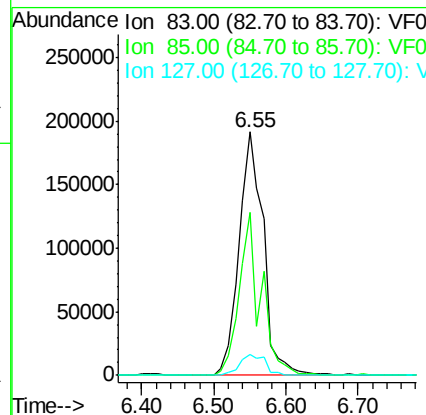
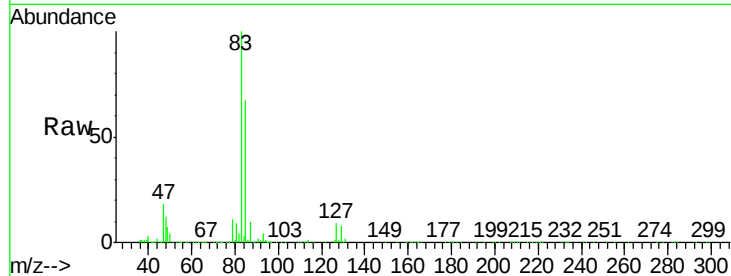
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	452365
Ion Ratio	Lower	Upper	
83	100		
85	67.0	54.2	81.4
127	8.6	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 123.095 ug/l

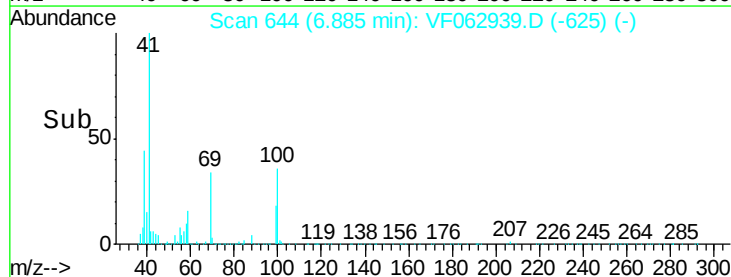
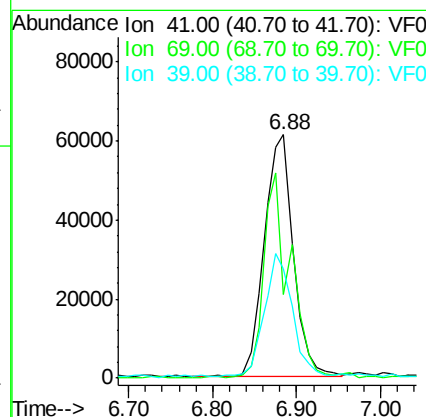
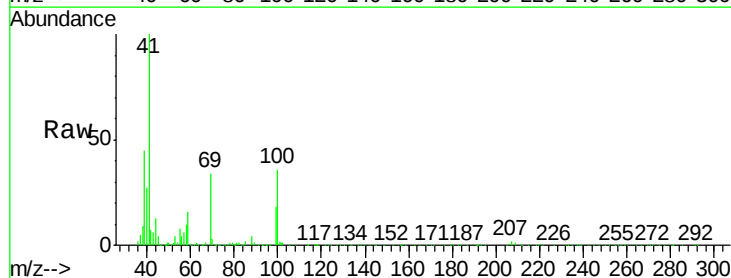
RT: 6.88 min Scan# 644

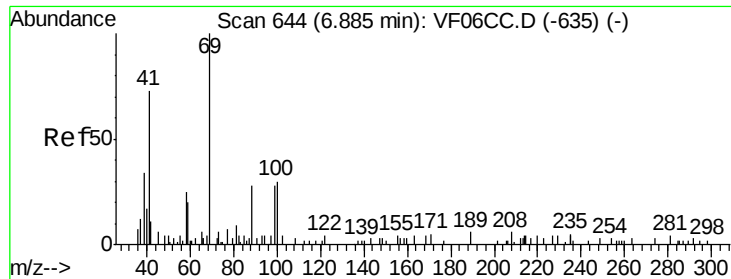
Delta R.T. -0.01 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Tgt Ion:	41	Resp:	148968
Ion Ratio	Lower	Upper	
41	100		
69	34.4	79.4	119.2#
39	44.9	39.8	59.6





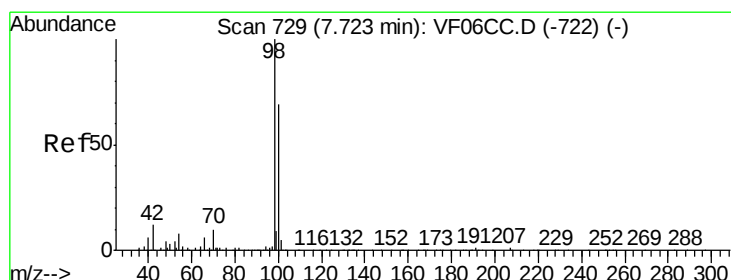
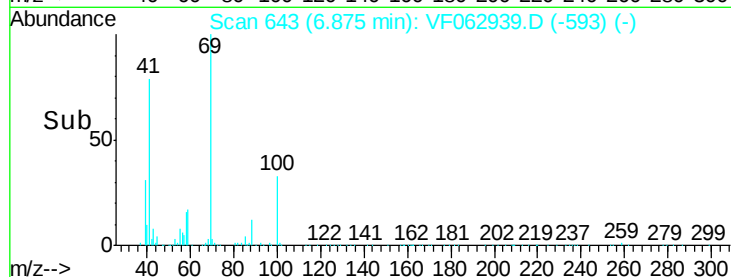
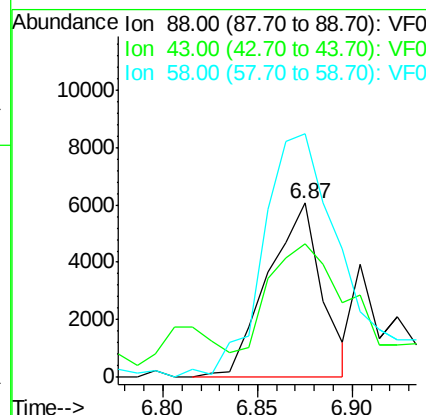
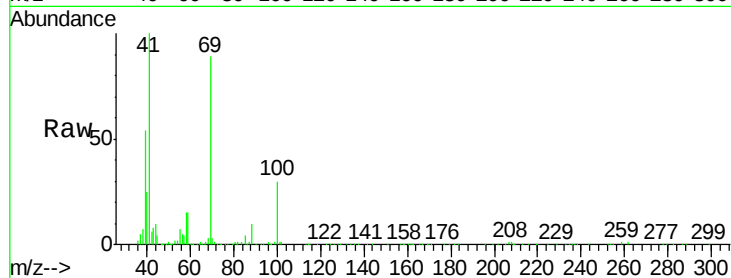
#49
1,4-Dioxane
Concen: 755.661 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.01 min
Lab File: VF062939.D
Acq: 12 Jun 2019 20:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	76.8	34.8	52.2#
58	140.0	59.9	89.9#

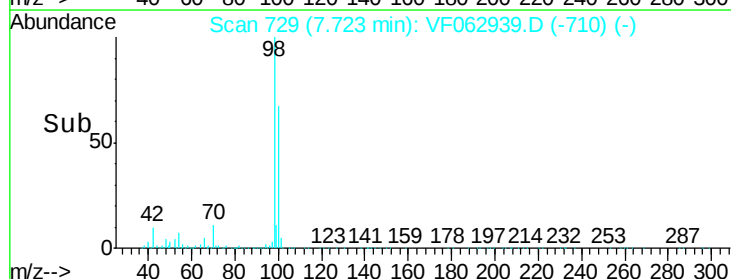
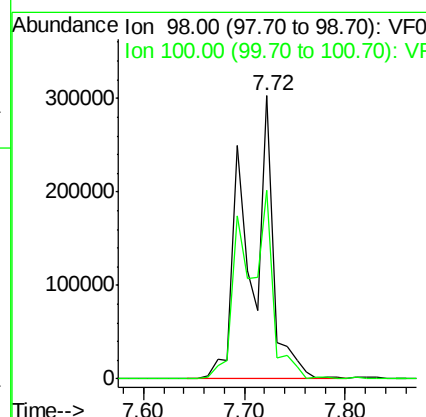
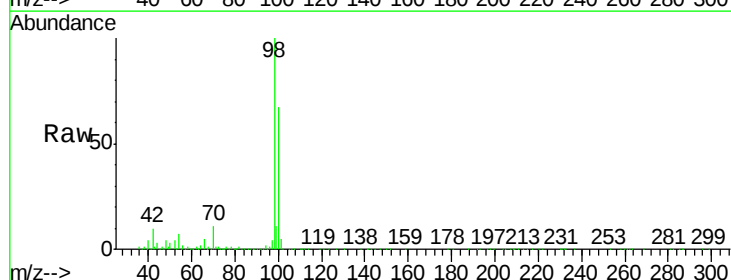
Manual Integrations
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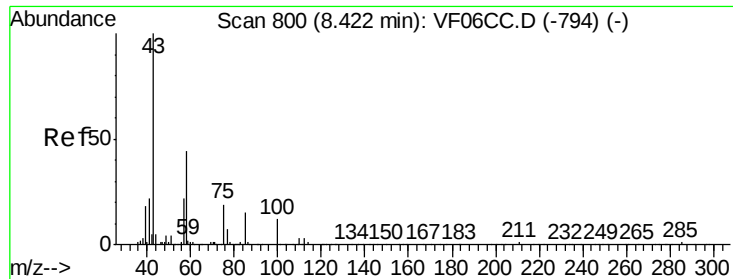
MMDadoda
6/13/2019 11:33:07 AM



#50
Toluene-d8
Concen: 54.569 ug/l m
RT: 7.72 min Scan# 729
Delta R.T. -0.01 min
Lab File: VF062939.D
Acq: 12 Jun 2019 20:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	59.8	89.8





#51

4-Methyl-2-Pentanone

Concen: 649.103 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.02 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1088208

Ion Ratio Lower Upper

43 100

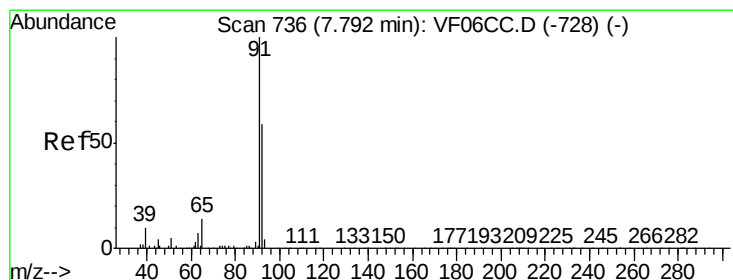
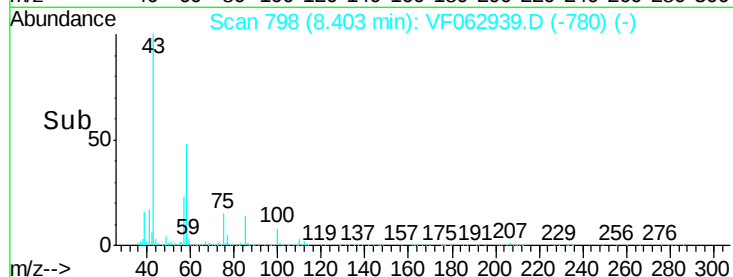
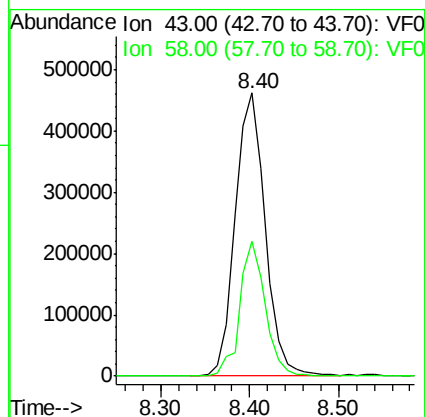
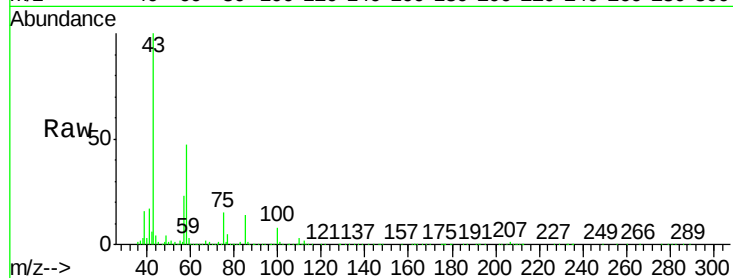
58 47.5 35.5 53.3

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#52

Toluene

Concen: 56.340 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.03 min

Lab File: VF062939.D

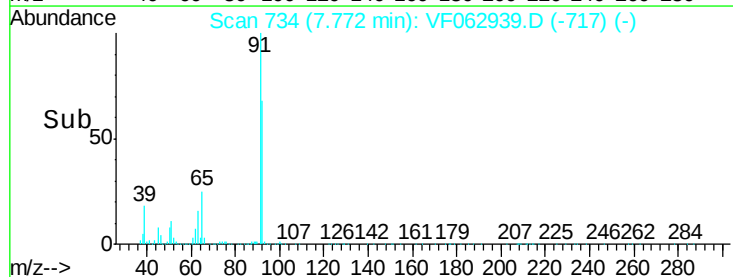
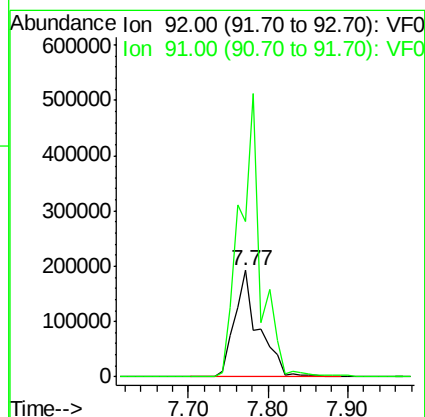
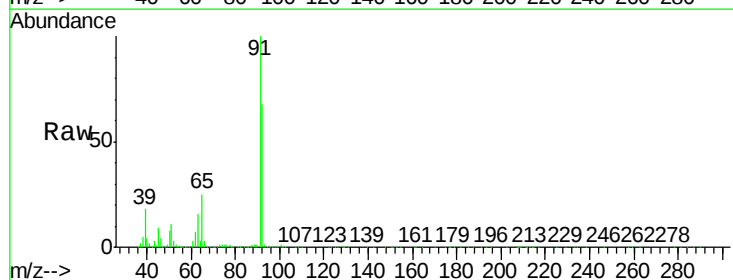
Acq: 12 Jun 2019 20:36

Tgt Ion: 92 Resp: 410686

Ion Ratio Lower Upper

92 100

91 146.4 123.2 184.8





#53

t-1,3-Dichloropropene

Concen: 115.737 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.02 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 387284

Ion Ratio Lower Upper

75 100

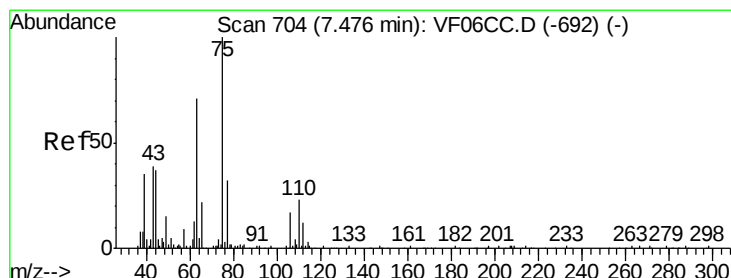
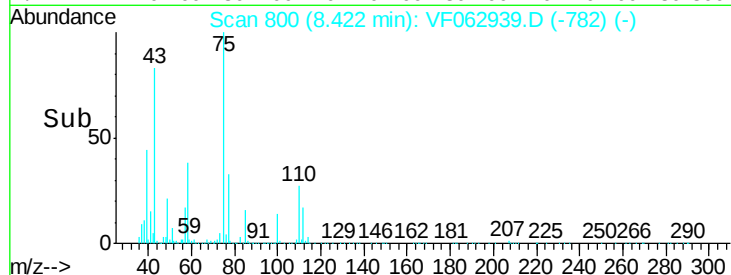
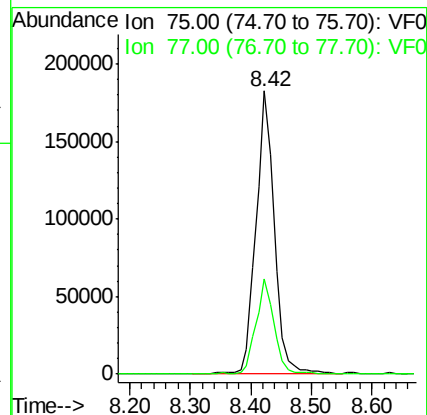
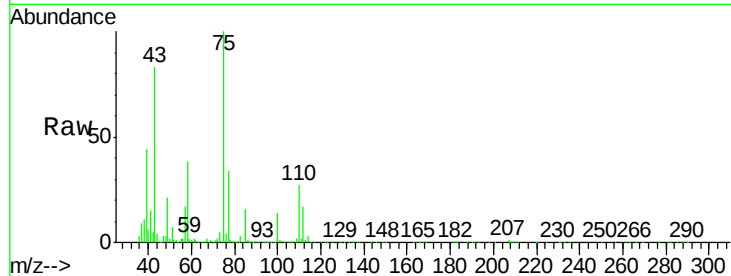
77 33.6 25.7 38.5

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 118.056 ug/l

RT: 7.46 min Scan# 702

Delta R.T. -0.02 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

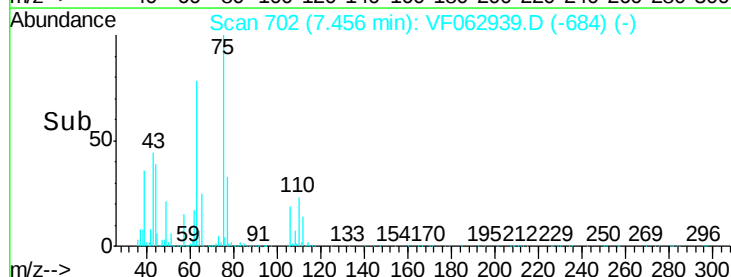
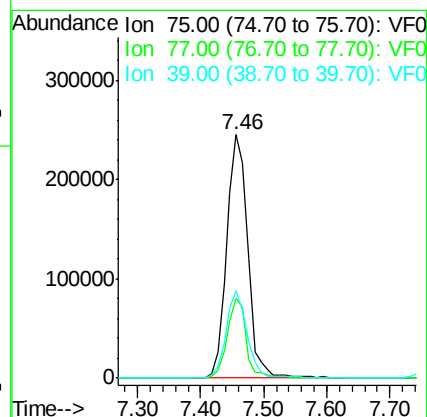
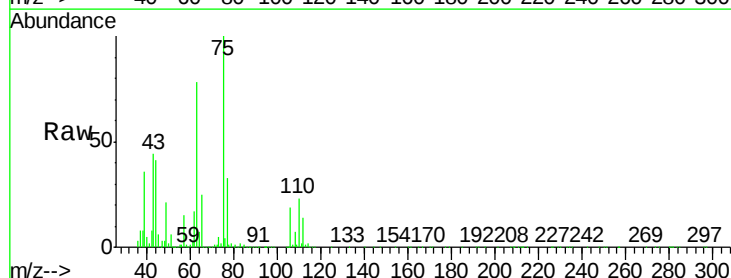
Tgt Ion: 75 Resp: 571834

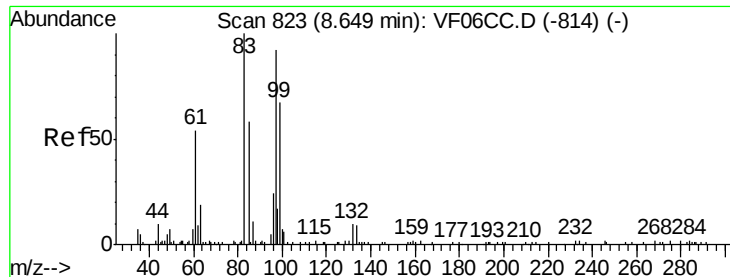
Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.8

39 36.1 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 87.415 ug/l

RT: 8.65 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Instrument :

MSVOA_F

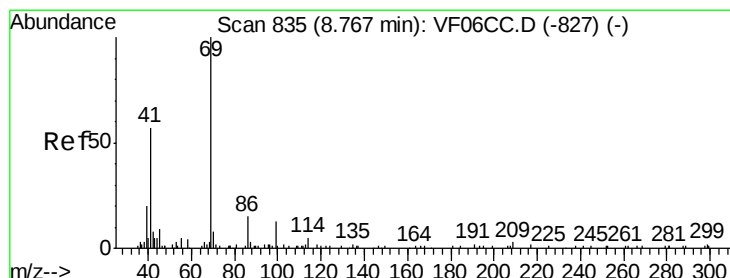
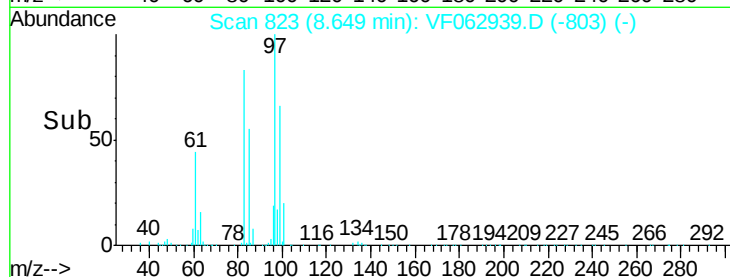
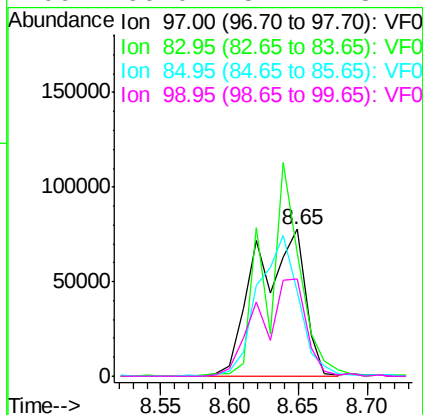
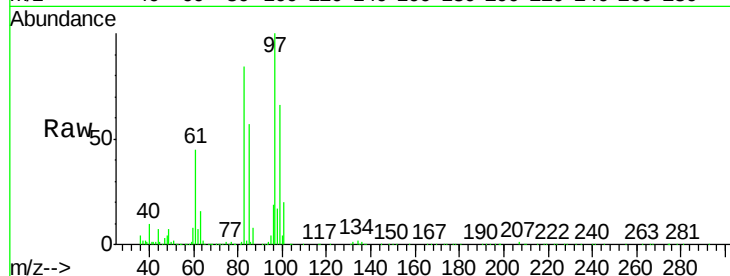
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	190363
Ion	Ratio	Lower	Upper
97	100		
83	83.5	72.0	108.0
85	57.4	47.5	71.3
99	66.0	54.1	81.1

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#56

Ethyl methacrylate

Concen: 114.419 ug/l

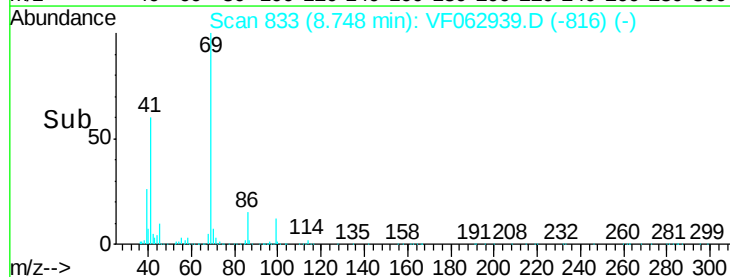
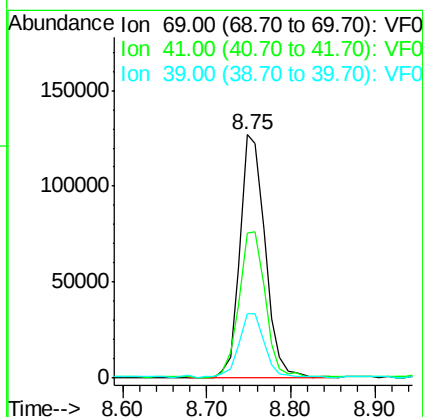
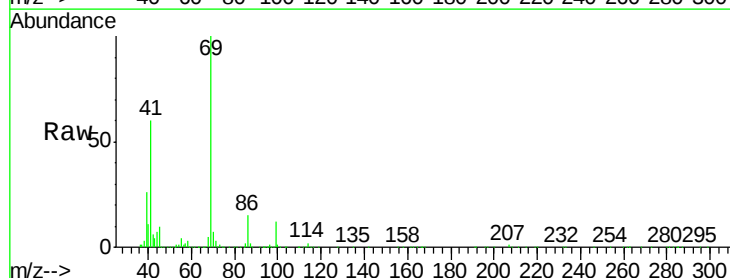
RT: 8.75 min Scan# 833

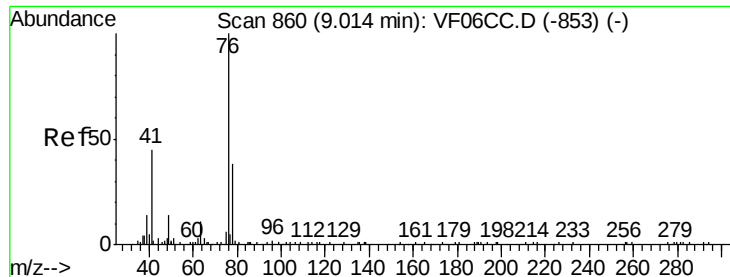
Delta R.T. -0.03 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Tgt Ion:	69	Resp:	267352
Ion	Ratio	Lower	Upper
69	100		
41	59.7	46.6	69.8
39	26.4	19.6	29.4





#57

1,3-Dichloropropane

Concen: 117.496 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.02 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 417838

Ion Ratio Lower Upper

76 100

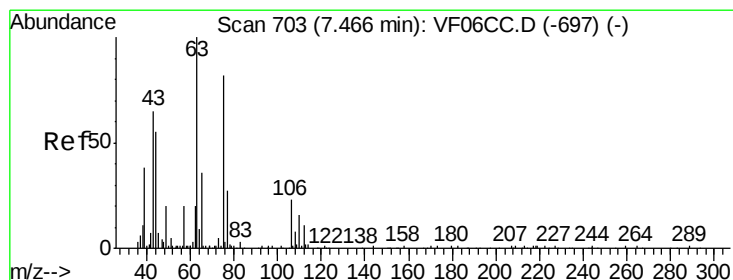
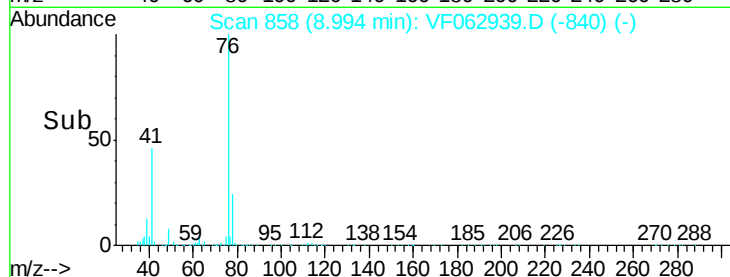
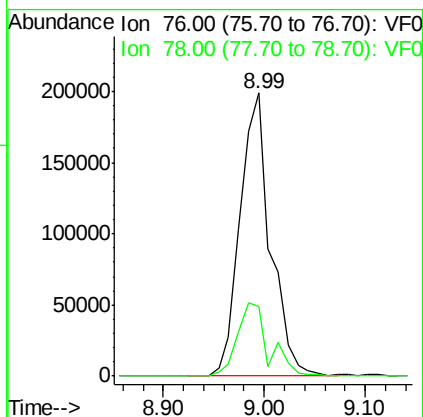
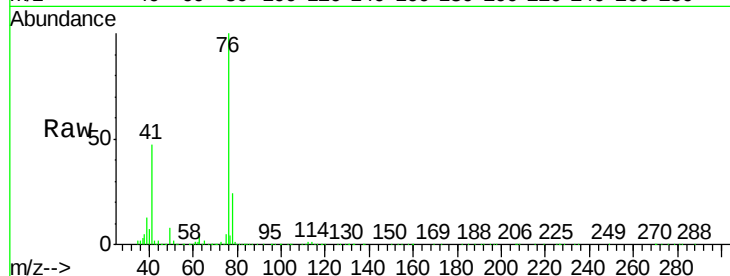
78 24.5 26.8 40.2#

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 598.726 ug/l

RT: 7.45 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF062939.D

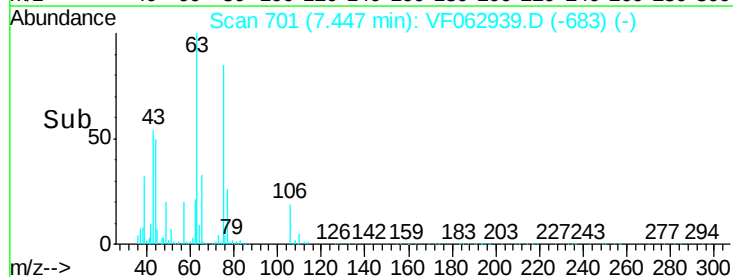
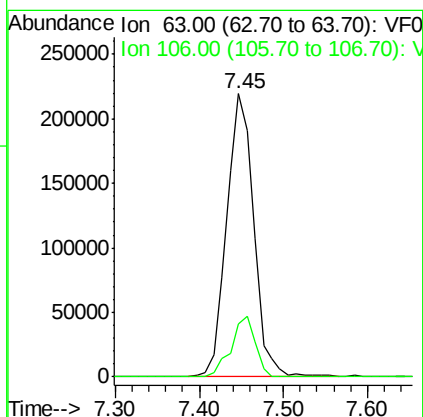
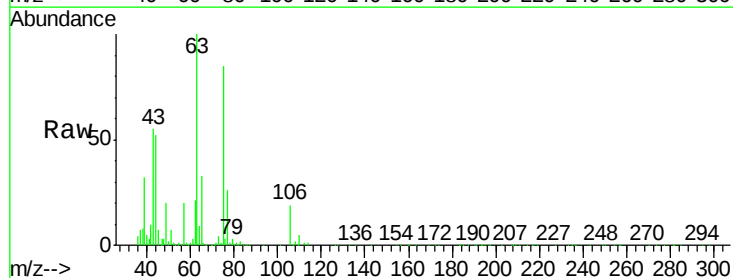
Acq: 12 Jun 2019 20:36

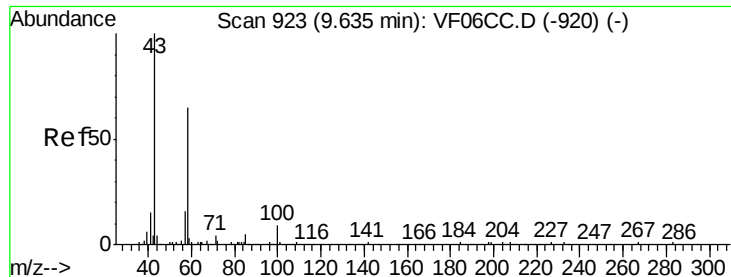
Tgt Ion: 63 Resp: 488928

Ion Ratio Lower Upper

63 100

106 18.9 19.5 29.3#





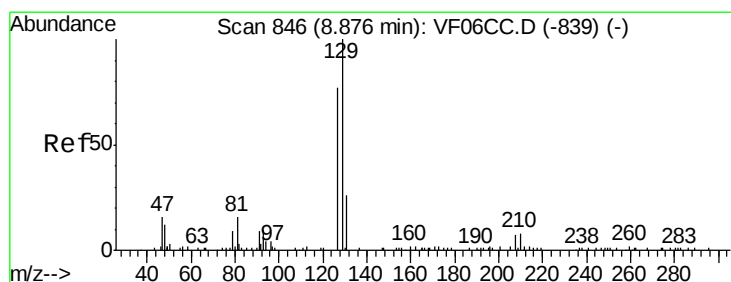
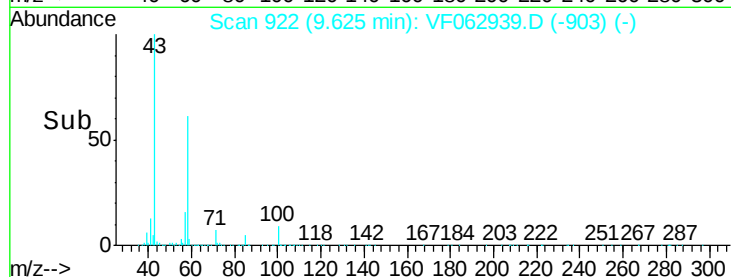
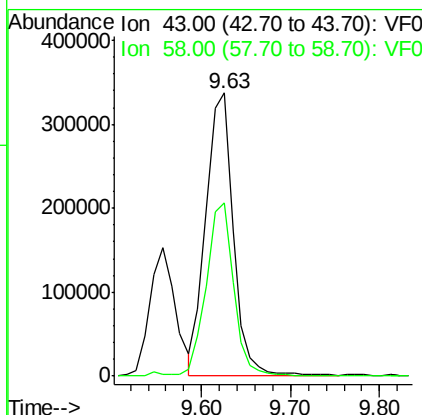
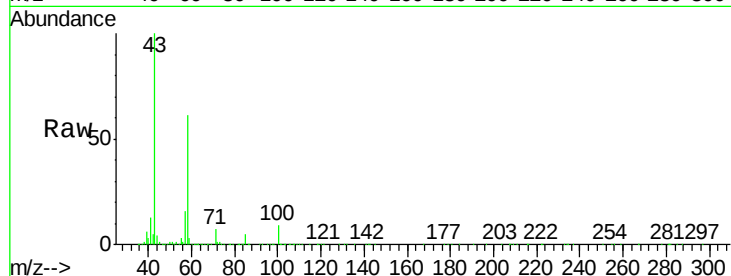
#59
2-Hexanone
Concen: 599.299 ug/l
RT: 9.63 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF062939.D
Acq: 12 Jun 2019 20:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 716127
Ion Ratio Lower Upper
43 100
58 61.3 29.3 87.9

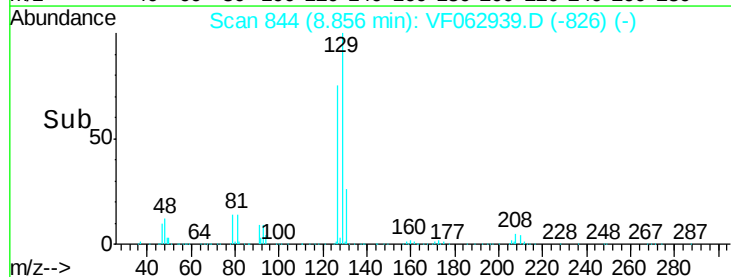
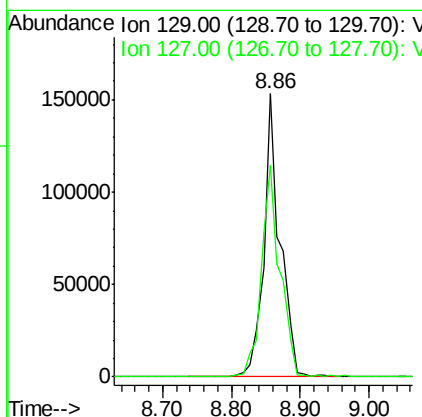
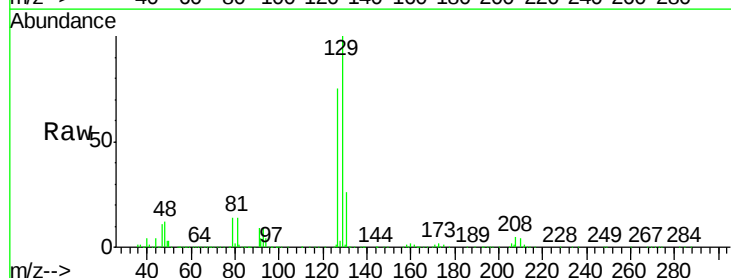
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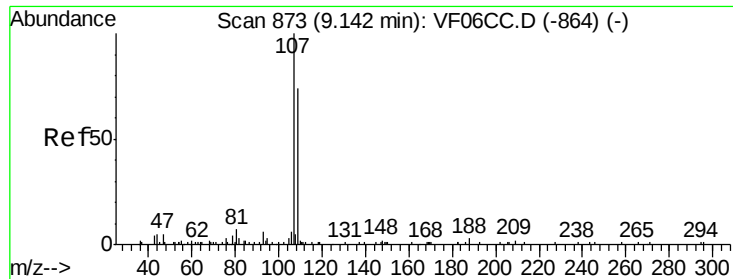
MMDadoda
6/13/2019 11:33:07 AM



#60
Dibromochloromethane
Concen: 93.731 ug/l
RT: 8.86 min Scan# 844
Delta R.T. -0.02 min
Lab File: VF062939.D
Acq: 12 Jun 2019 20:36

Tgt Ion: 129 Resp: 252708
Ion Ratio Lower Upper
129 100
127 75.0 37.1 111.3





#61

1,2-Dibromoethane

Concen: 71.071 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.03 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 160738

Ion Ratio Lower Upper

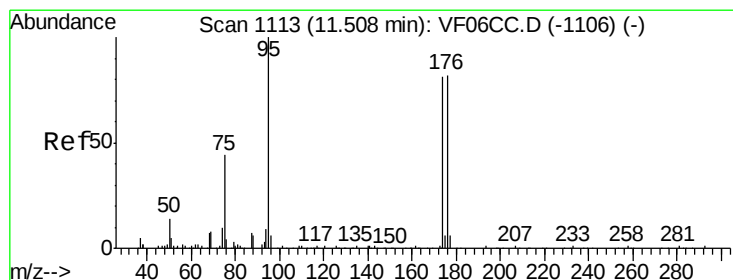
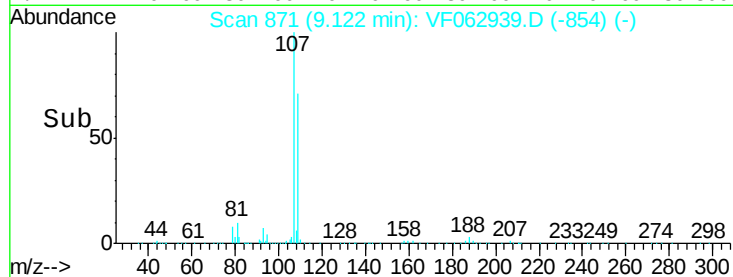
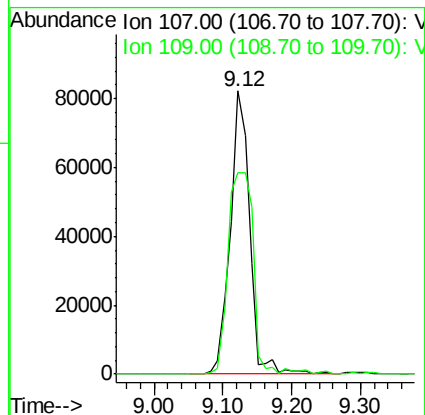
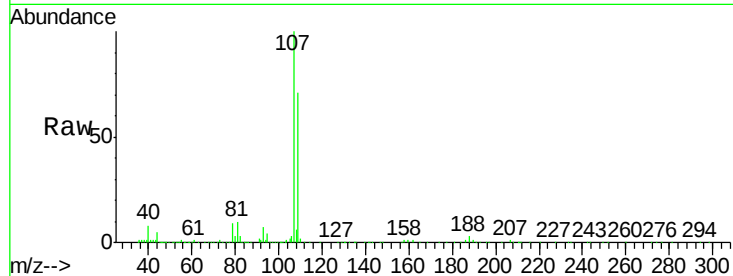
107 100

109 71.2 78.1 117.1#

Manual Integrations
APPROVED

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#62

4-Bromofluorobenzene

Concen: 93.903 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

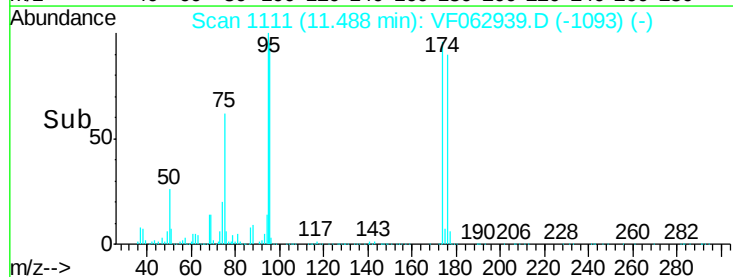
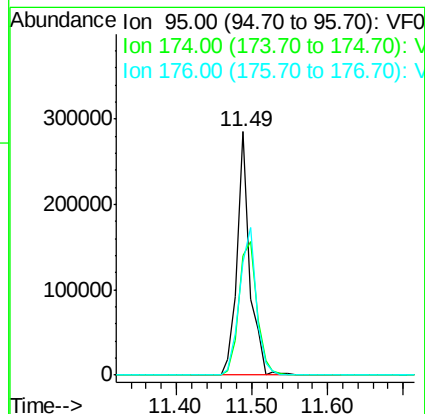
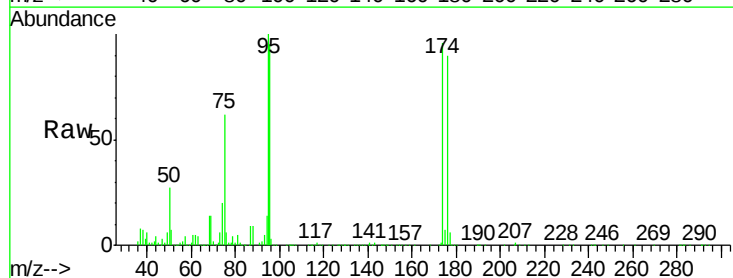
Tgt Ion: 95 Resp: 326034

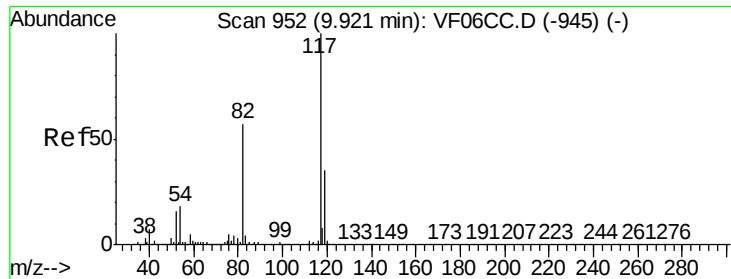
Ion Ratio Lower Upper

95 100

174 49.1 0.0 170.6

176 46.3 0.0 170.6





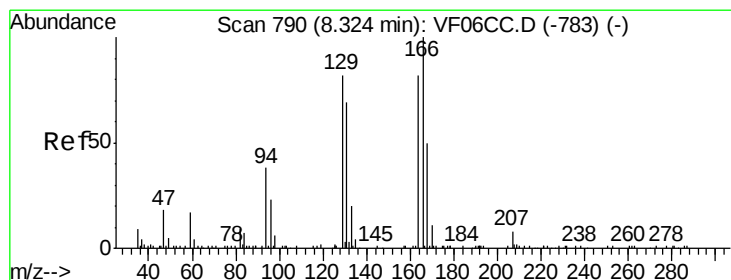
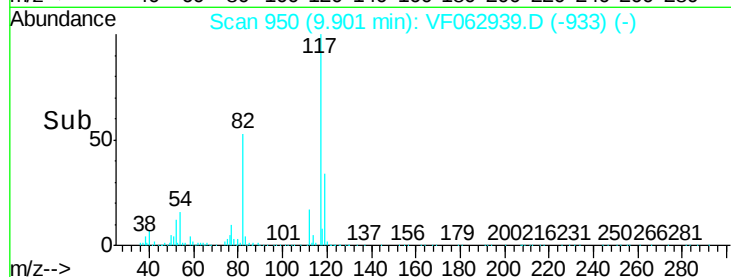
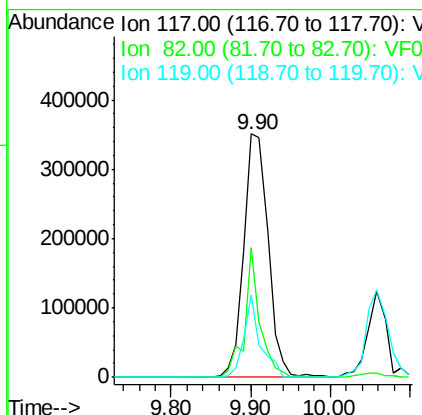
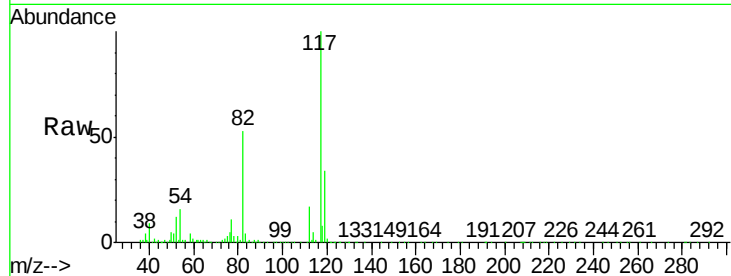
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.03 min
Lab File: VF062939.D
Acq: 12 Jun 2019 20:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	53.4	42.4	63.6
119	33.9	27.1	40.7

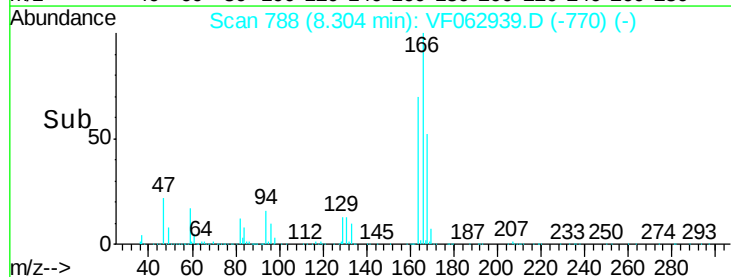
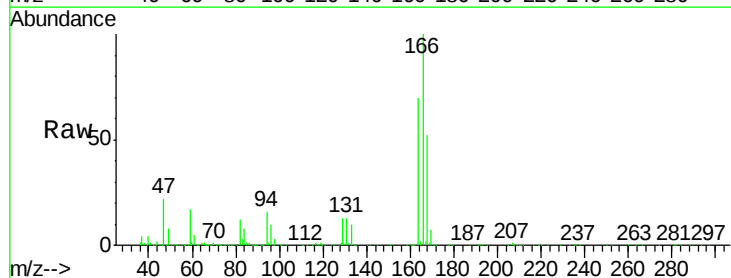
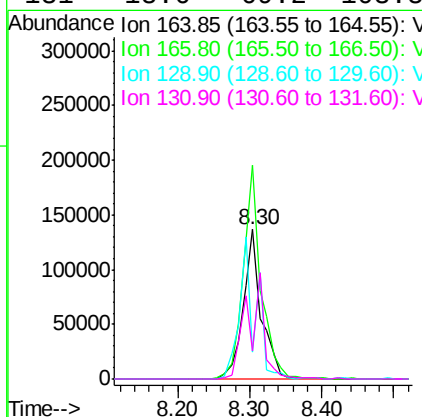
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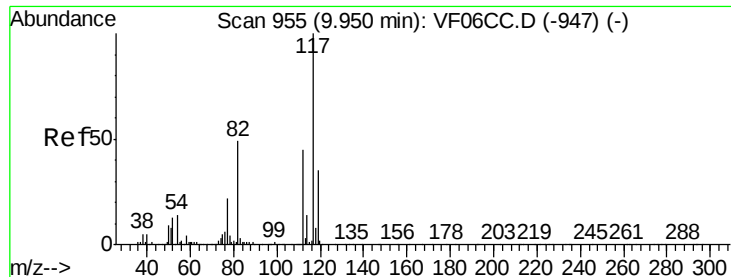
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6/13/2019 11:33:07 AM



#64
Tetrachloroethene
Concen: 42.595 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.02 min
Lab File: VF062939.D
Acq: 12 Jun 2019 20:36

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	142.8	99.1	148.7
129	18.1	69.5	104.3#
131	18.6	69.2	103.8#





#65

Chlorobenzene

Concen: 33.282 ug/l

RT: 9.94 min Scan# 954

Delta R.T. -0.01 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 474075

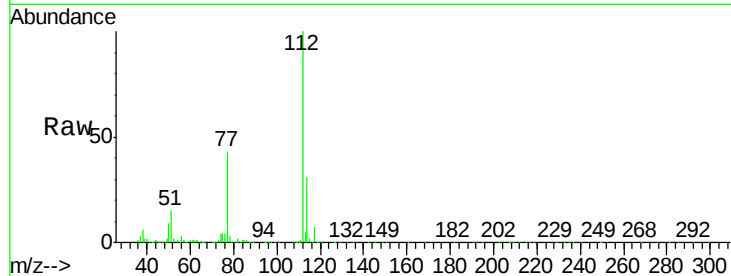
Ion Ratio Lower Upper

112 100

114 30.9 27.4 41.0

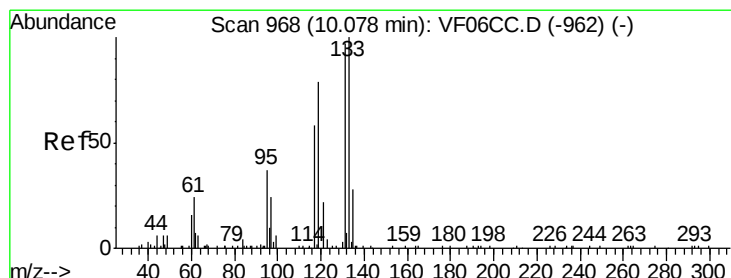
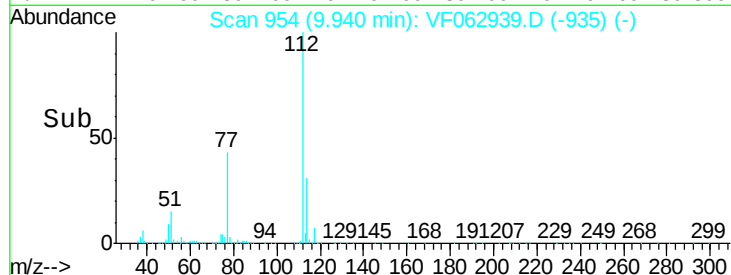
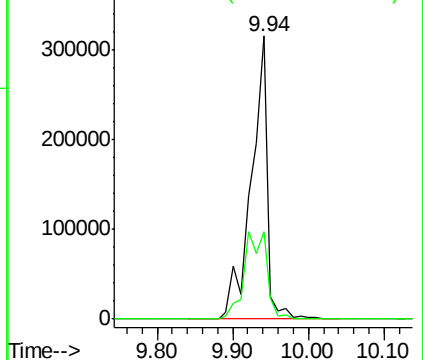
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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 39.369 ug/l

RT: 10.06 min Scan# 966

Delta R.T. -0.02 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

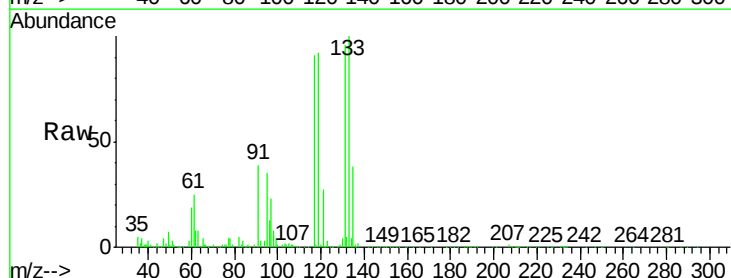
Tgt Ion:131 Resp: 223332

Ion Ratio Lower Upper

131 100

133 103.8 48.9 146.7

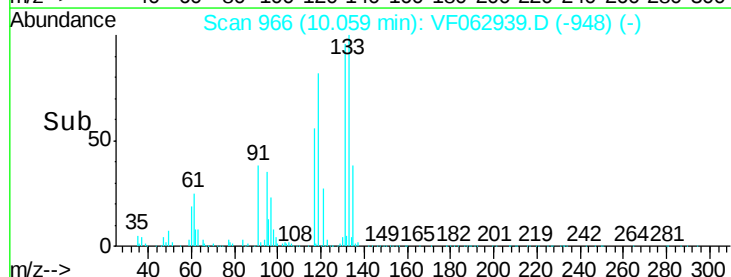
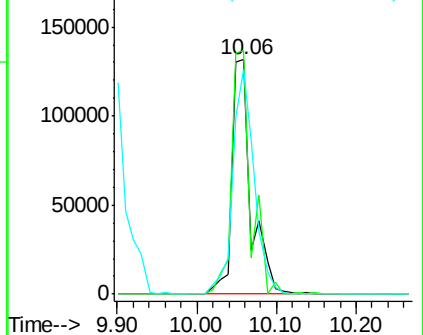
119 95.5 38.0 114.0

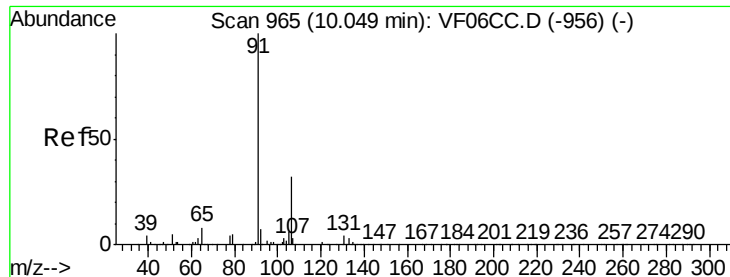


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





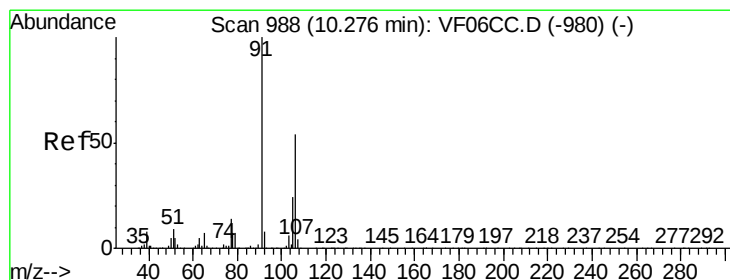
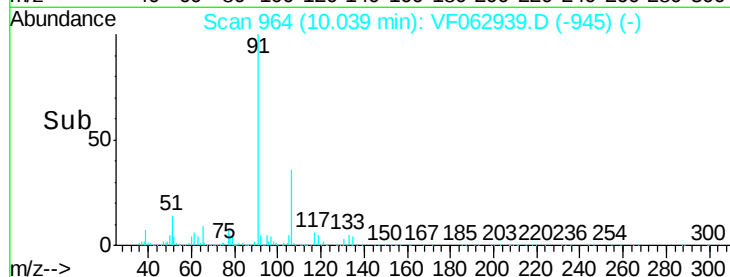
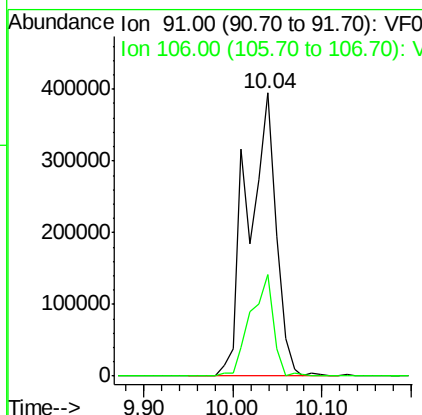
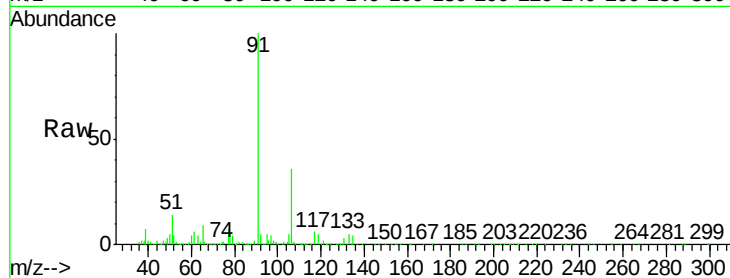
#67
Ethyl Benzene
Concen: 36.088 ug/l
RT: 10.04 min Scan# 964
Delta R.T. -0.01 min
Lab File: VF062939.D
Acq: 12 Jun 2019 20:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		882125		
106	35.8	26.0	39.0		

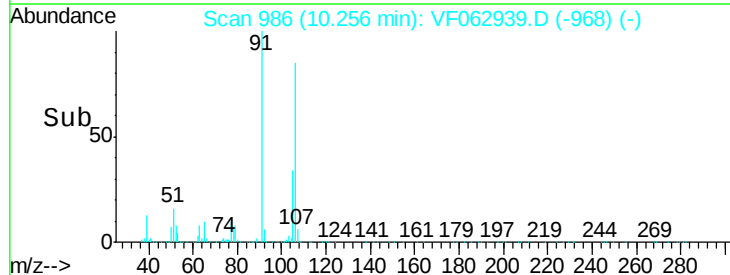
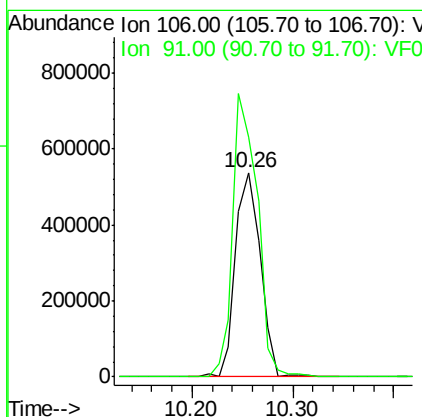
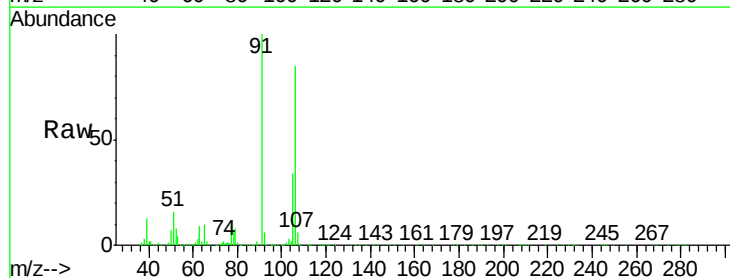
Manual Integrations
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#68
m/p-Xylenes
Concen: 98.990 ug/l
RT: 10.26 min Scan# 986
Delta R.T. -0.02 min
Lab File: VF062939.D
Acq: 12 Jun 2019 20:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		925914		
91	117.4	136.2	204.4#		





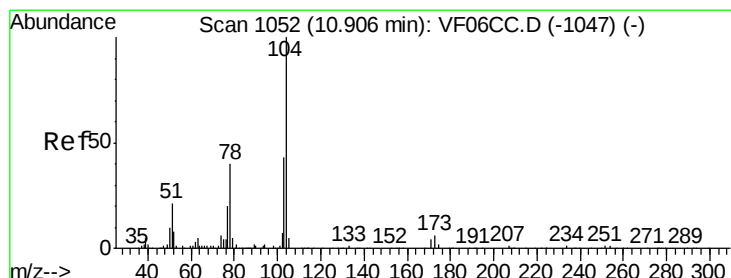
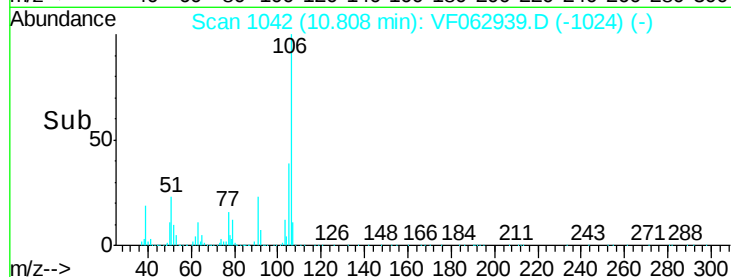
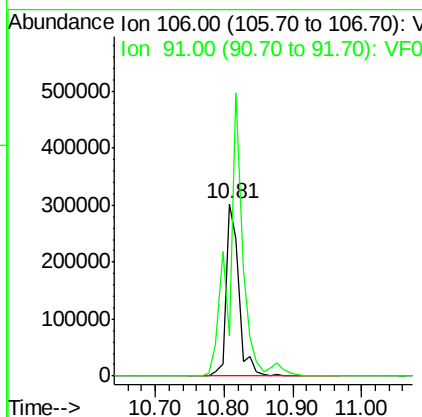
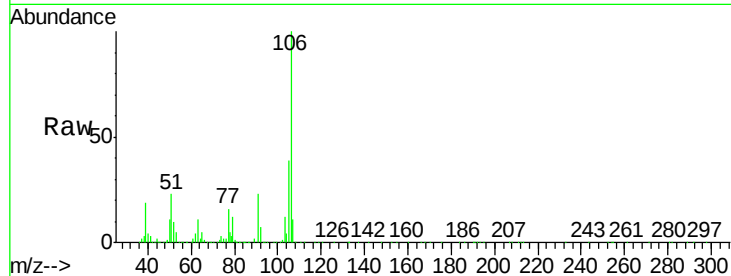
#69
o-Xylene
Concen: 40.886 ug/l
RT: 10.81 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VF062939.D
Acq: 12 Jun 2019 20:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 387196
Ion Ratio Lower Upper
106 100
91 23.1 96.6 289.8#

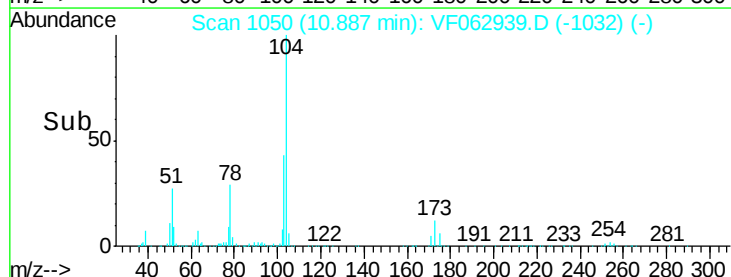
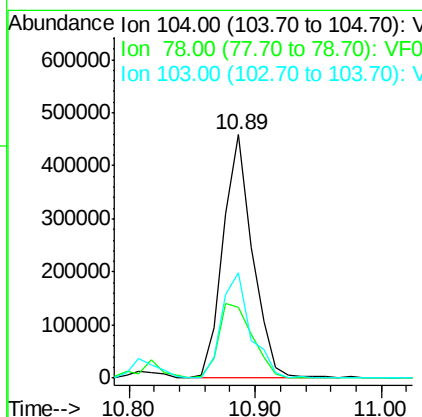
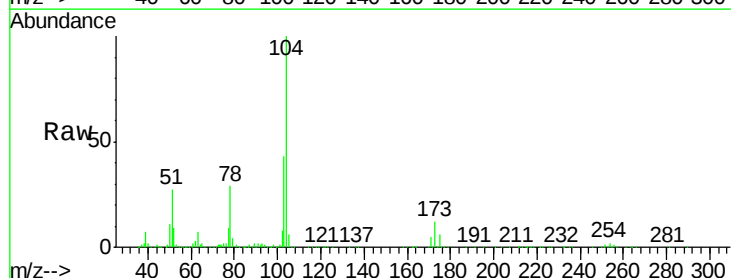
Manual Integrations
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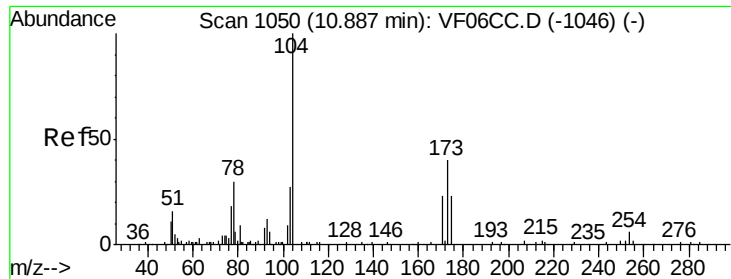
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#70
Styrene
Concen: 53.052 ug/l
RT: 10.89 min Scan# 1050
Delta R.T. -0.02 min
Lab File: VF062939.D
Acq: 12 Jun 2019 20:36

Tgt Ion:104 Resp: 740533
Ion Ratio Lower Upper
104 100
78 28.9 30.8 46.2#
103 43.3 35.8 53.6





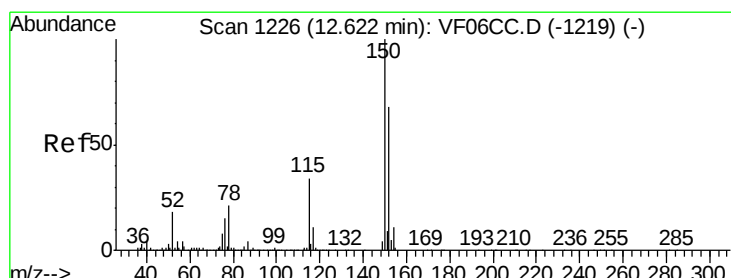
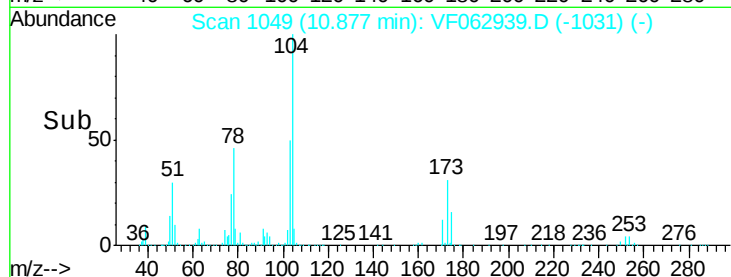
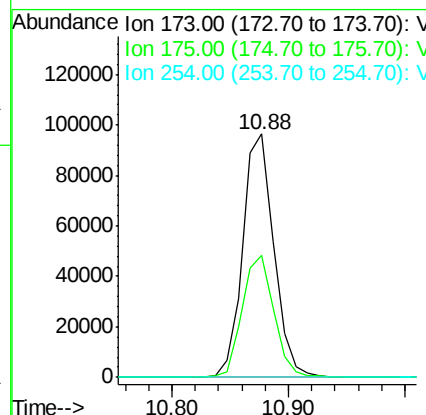
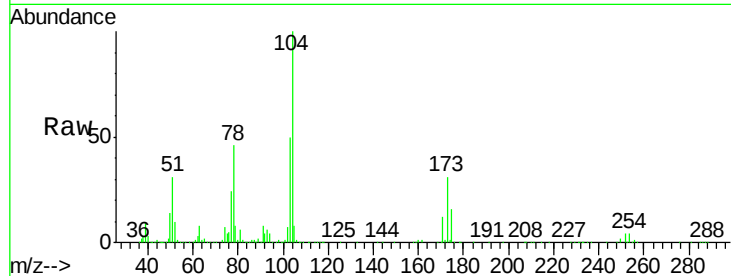
#71
Bromoform
Concen: 65.622 ug/l
RT: 10.88 min Scan# 1049
Delta R.T. -0.02 min
Lab File: VF062939.D
Acq: 12 Jun 2019 20:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.1	24.6	74.0
254	0.2	0.1	0.1#

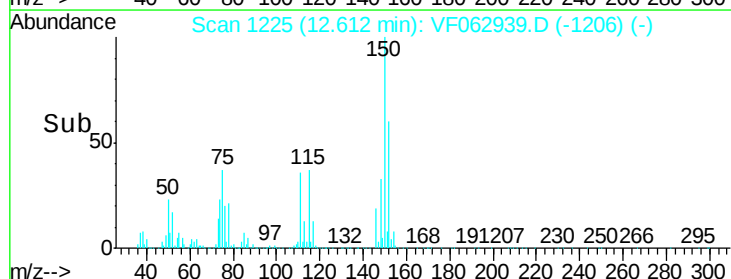
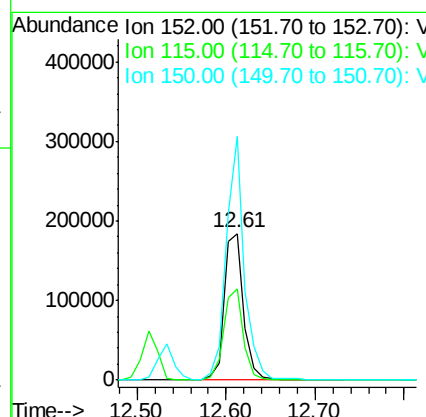
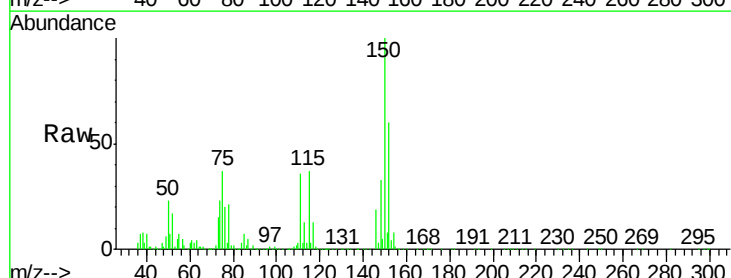
Manual Integrations
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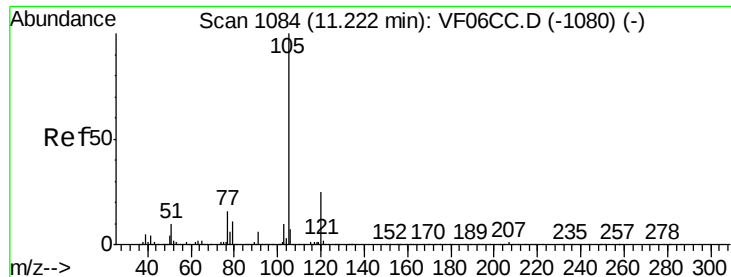
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.01 min
Lab File: VF062939.D
Acq: 12 Jun 2019 20:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.8	24.6	74.0
150	165.7	0.0	290.6





#73

Isopropylbenzene

Concen: 59.979 ug/l

RT: 11.20 min Scan# 1082

Delta R.T. -0.03 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1177626

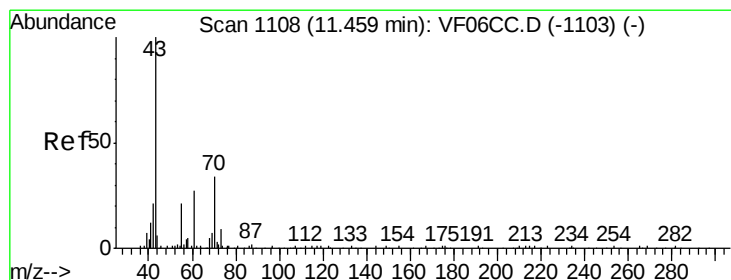
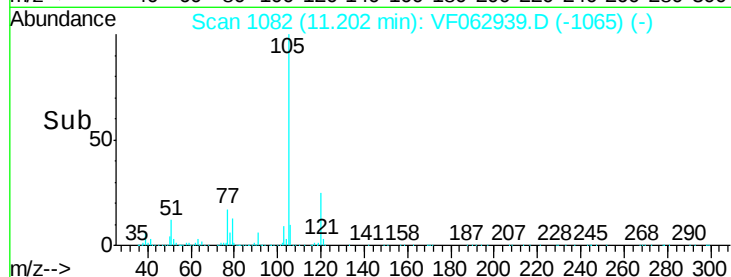
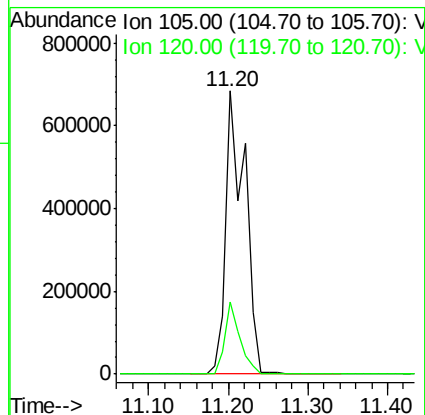
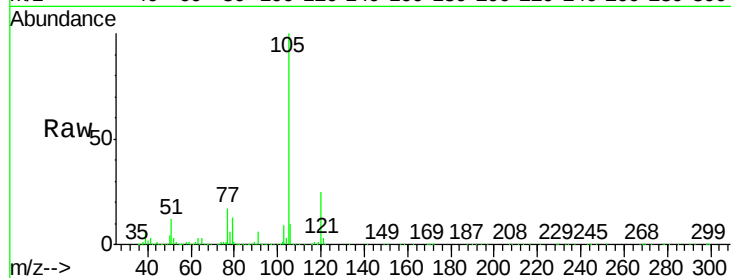
Ion Ratio Lower Upper

105 100

120 25.4 15.1 45.3

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#74

N-ethyl acetate

Concen: 78.955 ug/l

RT: 11.44 min Scan# 1106

Delta R.T. -0.02 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Tgt Ion: 43 Resp: 436911

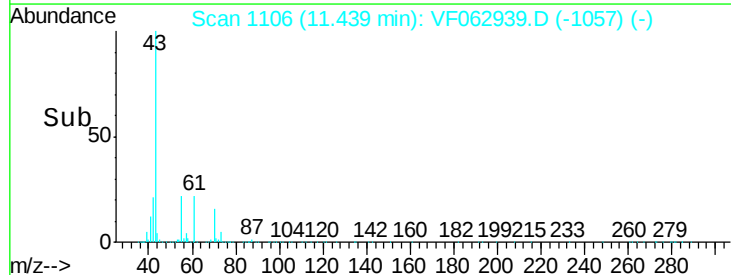
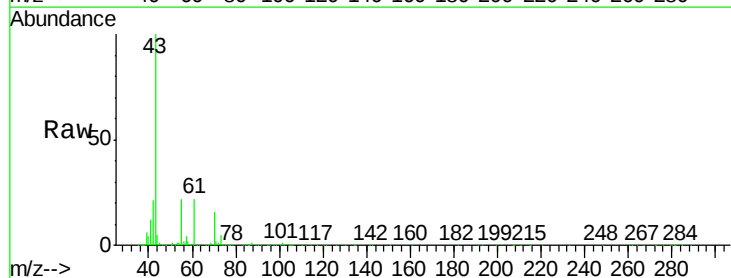
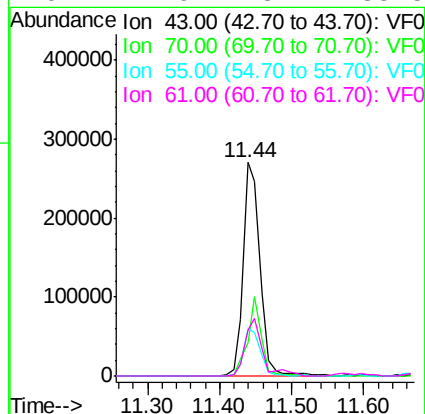
Ion Ratio Lower Upper

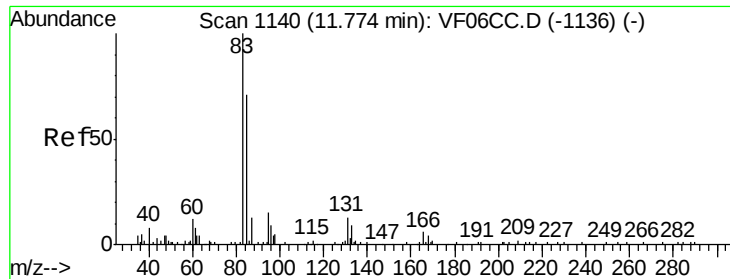
43 100

70 15.8 32.9 49.3#

55 21.9 17.3 25.9

61 21.9 23.7 35.5#





#75

1,1,2,2-Tetrachloroethane

Concen: 79.112 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.02 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Instrument :

MSVOA_F

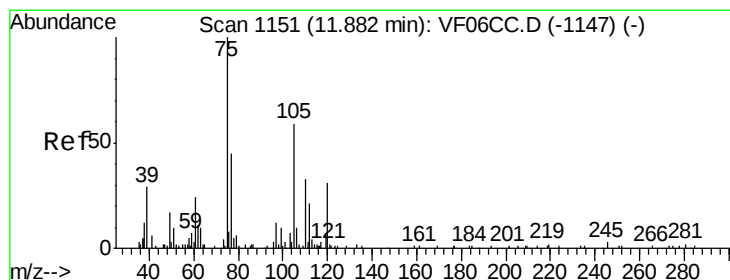
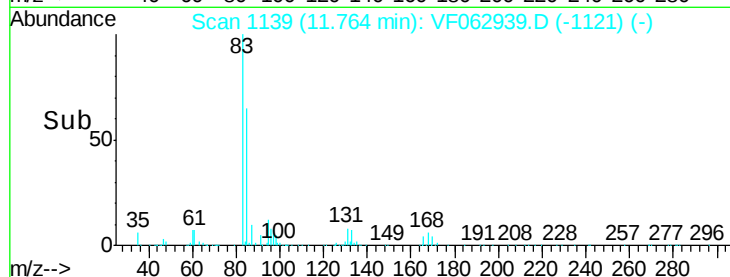
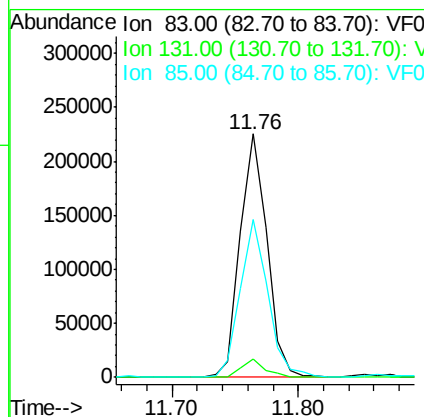
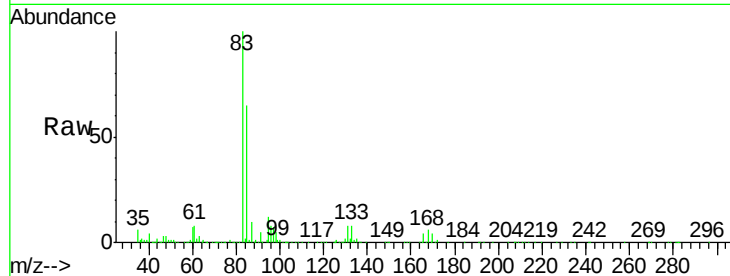
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	331705
Ion Ratio	Lower	Upper	
83	100		
131	7.7	4.9	14.7
85	64.7	32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 82.339 ug/l

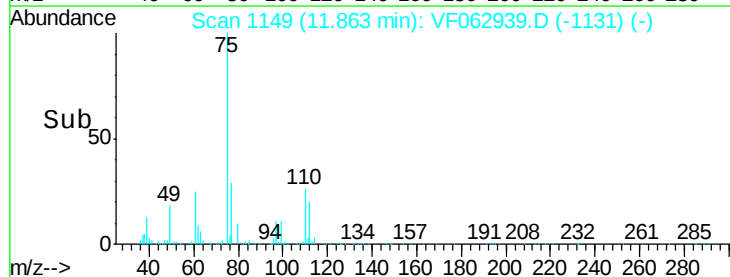
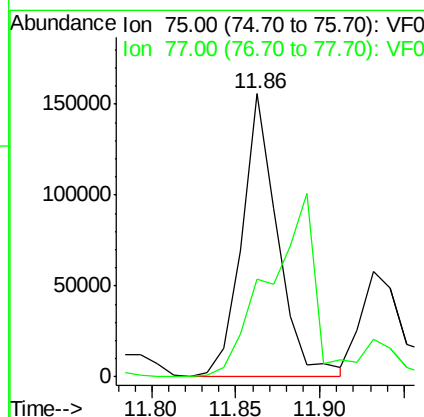
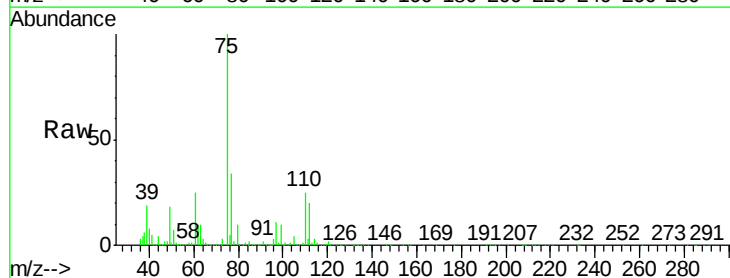
RT: 11.86 min Scan# 1149

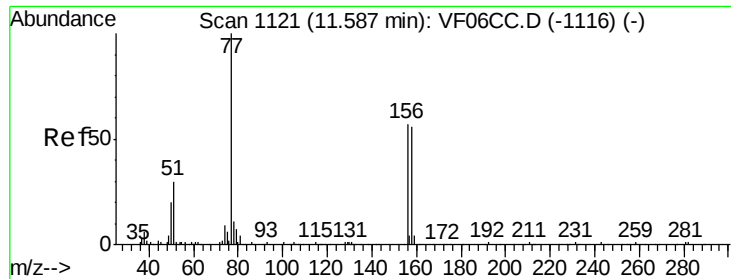
Delta R.T. -0.02 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Tgt Ion:	75	Resp:	228844
Ion Ratio	Lower	Upper	
75	100		
77	34.4	20.1	60.2





#77

Bromobenzene

Concen: 67.725 ug/l

RT: 11.58 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Instrument :

MSVOA_F

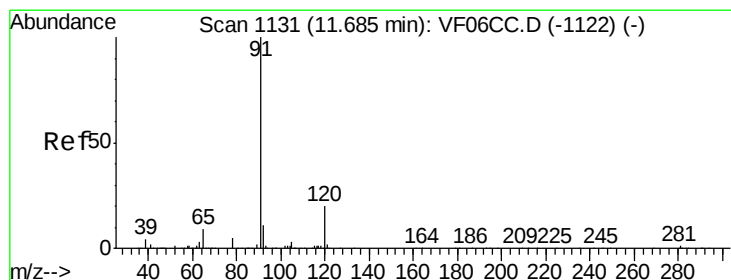
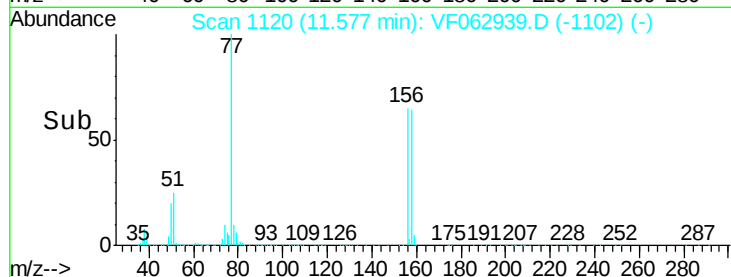
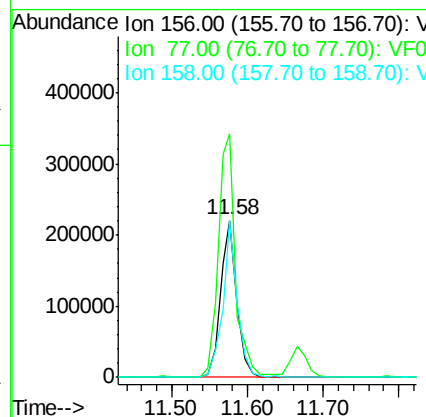
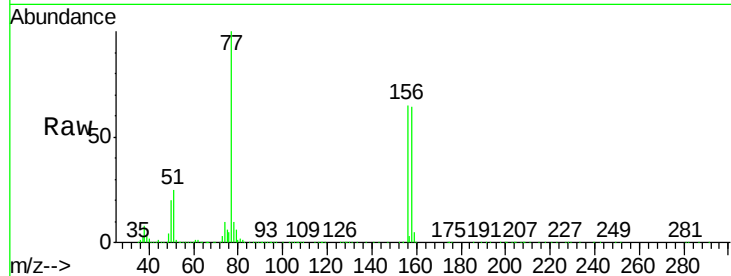
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	334100
Ion Ratio	Lower	Upper	
156	100		
77	154.9	64.2	192.6
158	99.3	50.3	151.0

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#78

n-propylbenzene

Concen: 74.316 ug/l

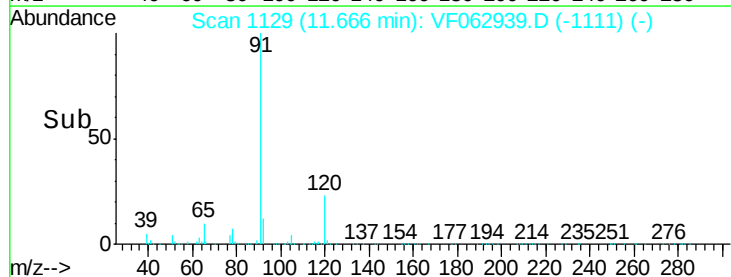
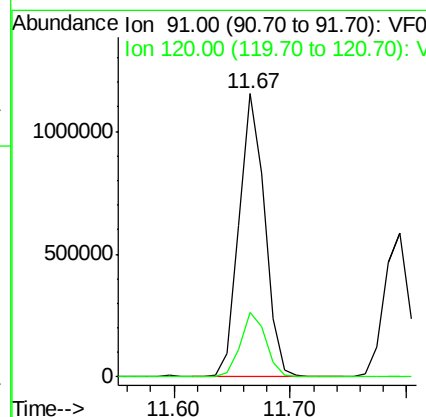
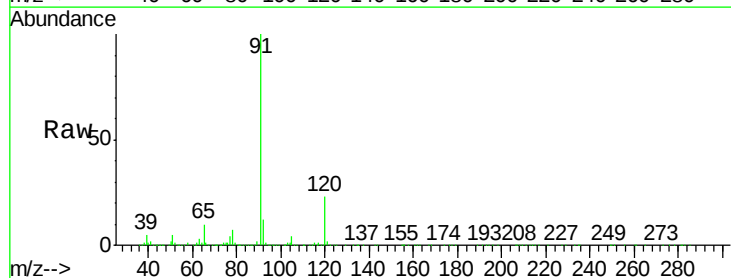
RT: 11.67 min Scan# 1129

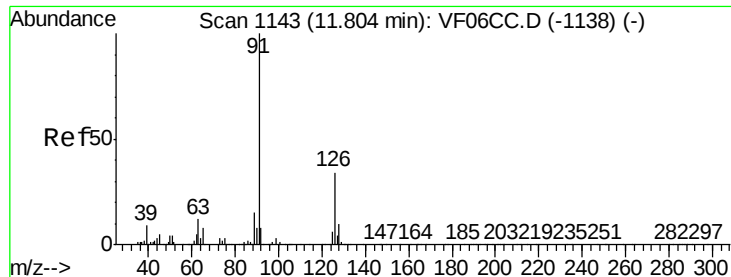
Delta R.T. -0.02 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Tgt Ion:	91	Resp:	1761783
Ion Ratio	Lower	Upper	
91	100		
120	22.7	12.8	38.4





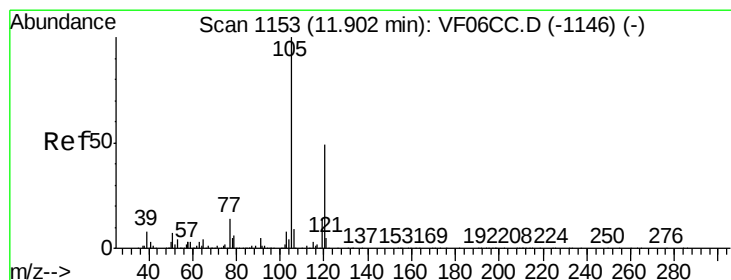
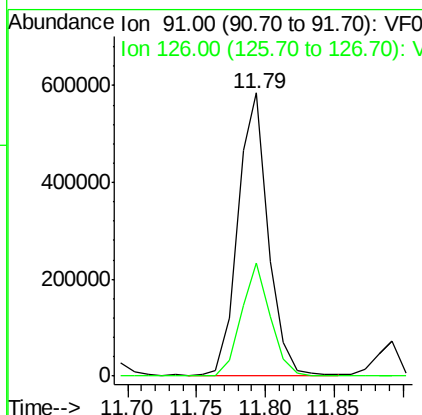
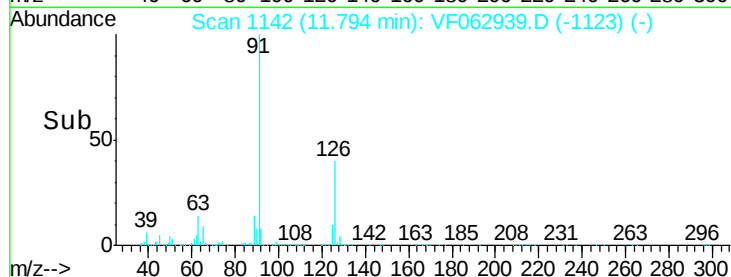
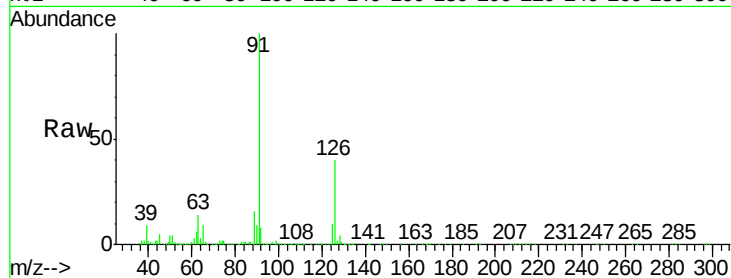
#79
 2-Chlorotoluene
 Concen: 65.192 ug/l
 RT: 11.79 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VF062939.D
 Acq: 12 Jun 2019 20:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 884316
 Ion Ratio Lower Upper
 91 100
 126 39.8 17.8 53.3

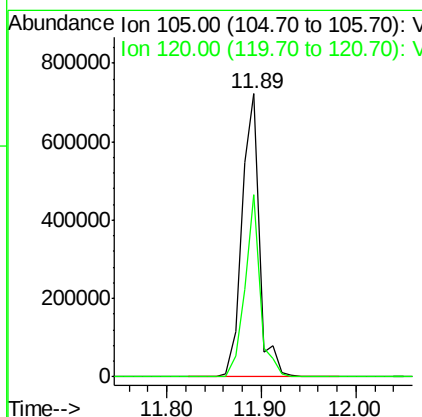
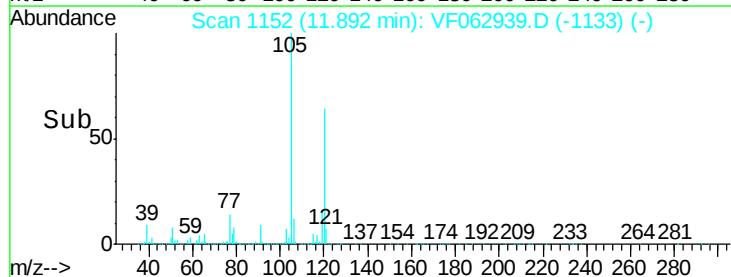
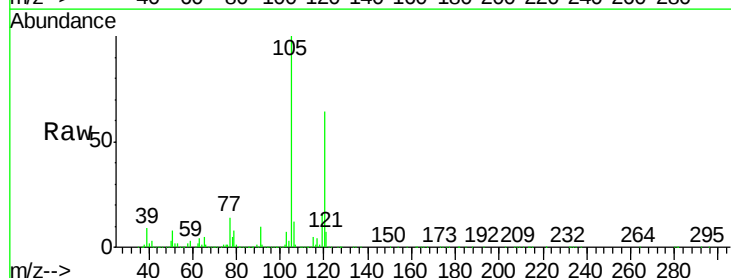
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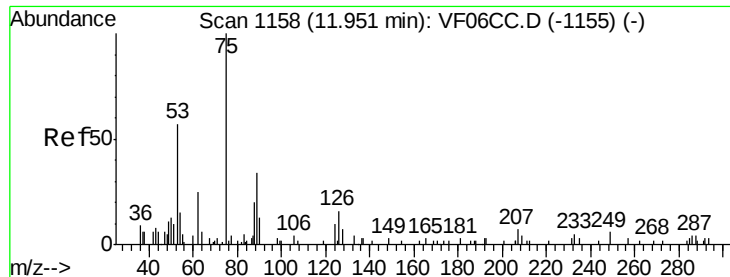
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#80
 1,3,5-Trimethylbenzene
 Concen: 57.216 ug/l
 RT: 11.89 min Scan# 1152
 Delta R.T. -0.01 min
 Lab File: VF062939.D
 Acq: 12 Jun 2019 20:36

Tgt Ion: 105 Resp: 918684
 Ion Ratio Lower Upper
 105 100
 120 64.4 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 83.411 ug/l m

RT: 11.93 min Scan# 1156

Delta R.T. -0.02 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 98146
Ion Ratio Lower Upper

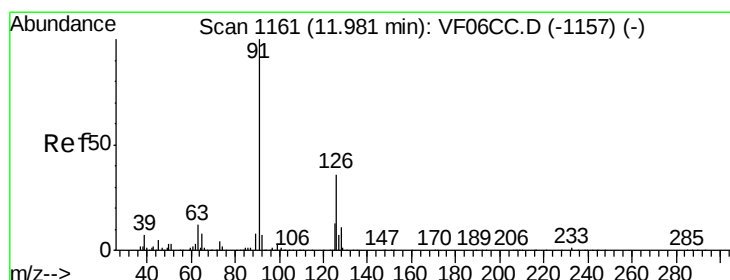
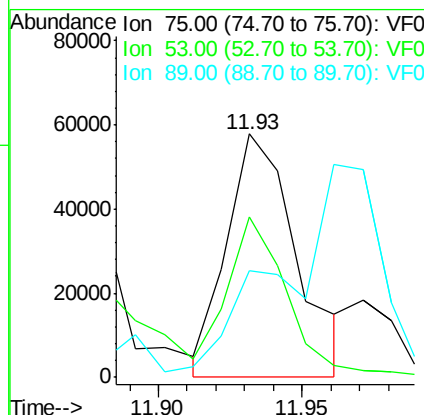
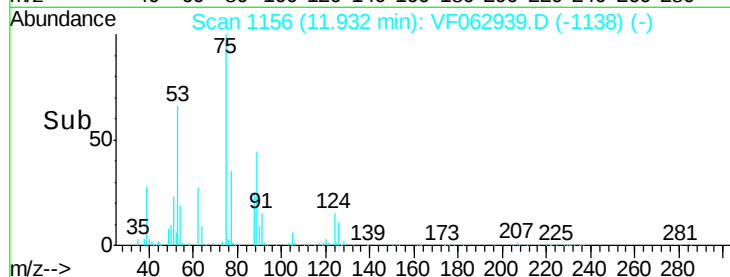
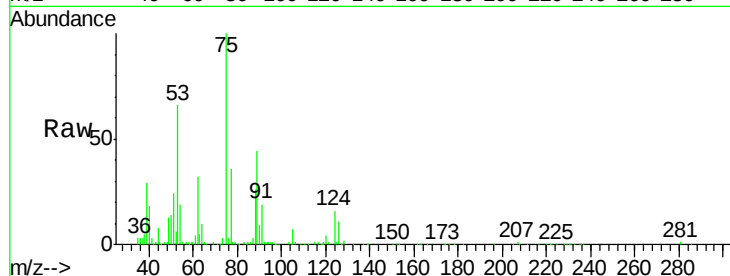
75 100

53 65.8 43.5 65.3#

89 43.8 34.3 51.5

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#82

4-Chlorotoluene

Concen: 60.267 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. -0.02 min

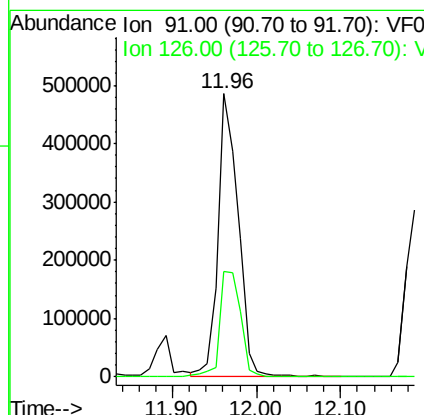
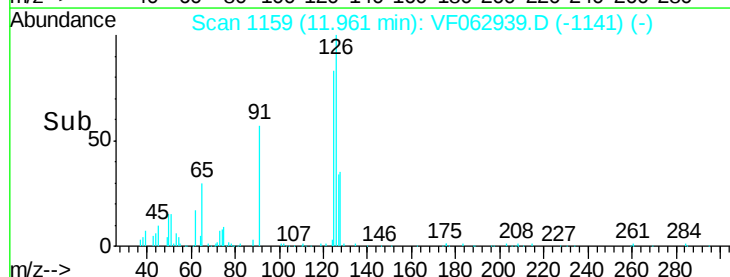
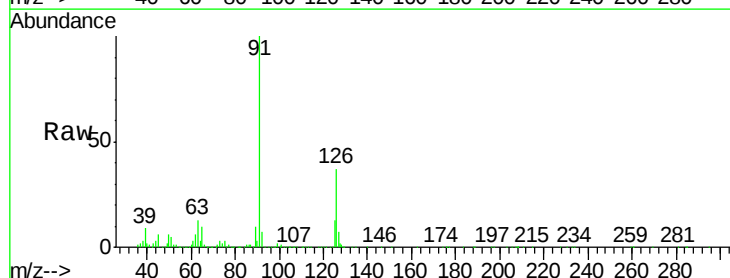
Lab File: VF062939.D

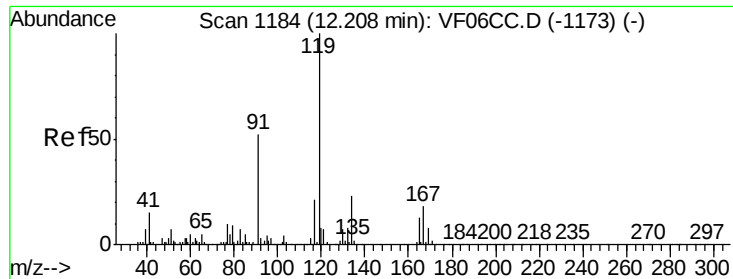
Acq: 12 Jun 2019 20:36

Tgt Ion: 91 Resp: 803407
Ion Ratio Lower Upper

91 100

126 37.2 19.1 57.1





#83

tert-Butylbenzene

Concen: 57.063 ug/l

RT: 12.20 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Instrument :

MSVOA_F

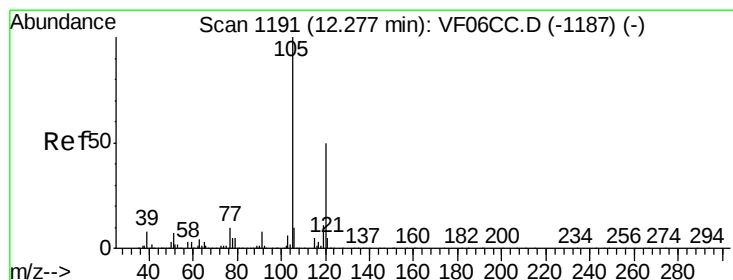
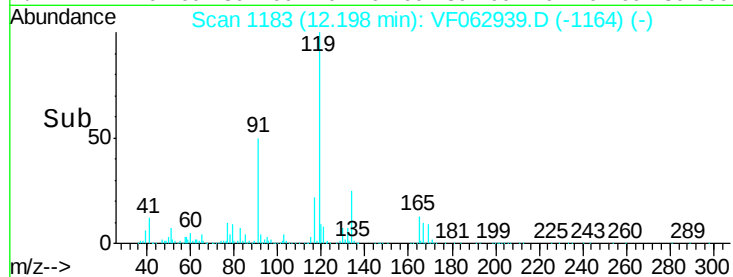
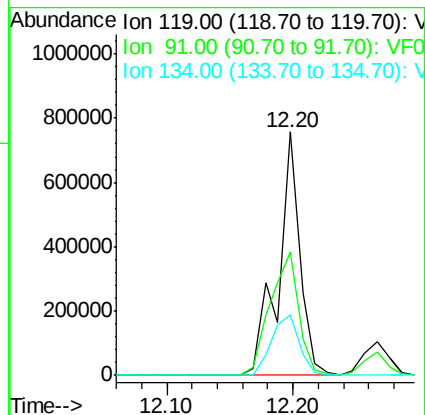
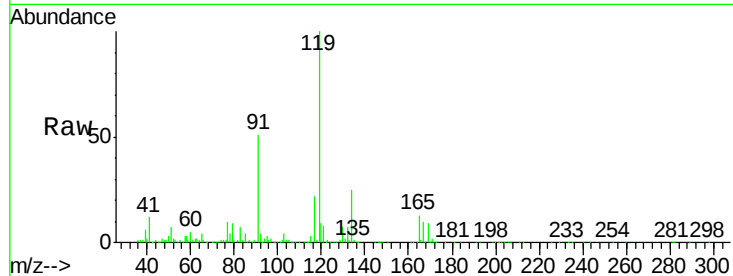
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	907863
Ion Ratio	Lower	Upper	
119	100		
91	50.8	28.9	86.7
134	24.7	14.3	42.9

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#84

1,2,4-Trimethylbenzene

Concen: 75.104 ug/l

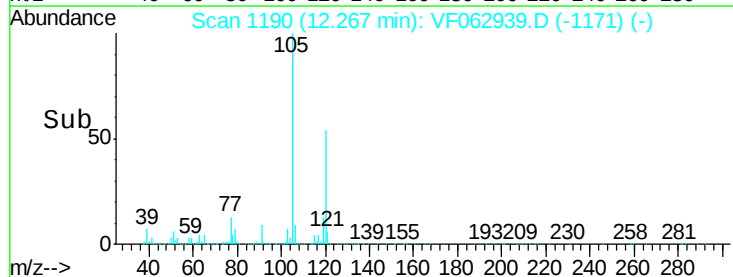
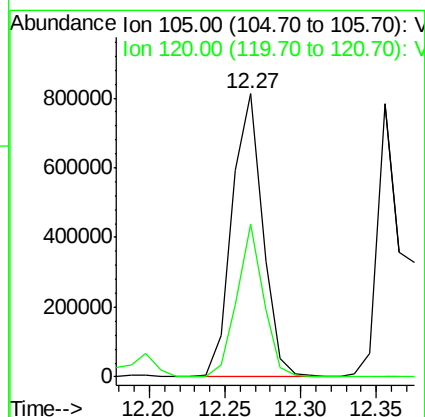
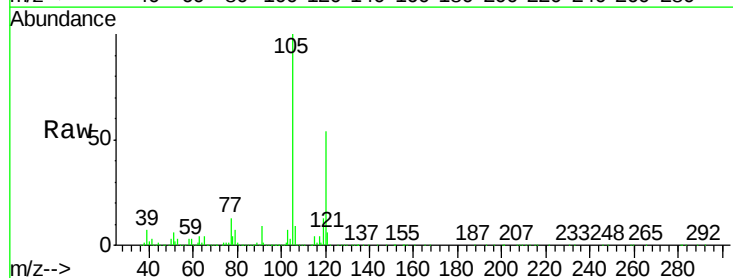
RT: 12.27 min Scan# 1190

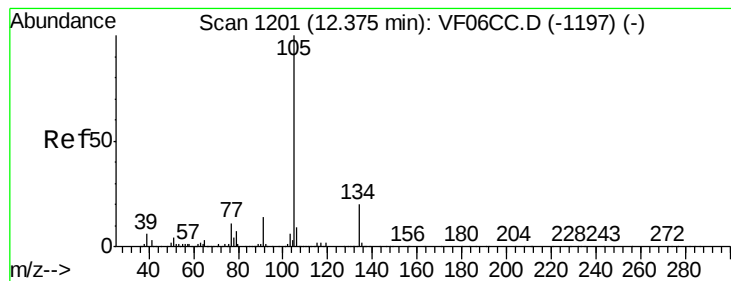
Delta R.T. -0.01 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Tgt Ion:	105	Resp:	1143362
Ion Ratio	Lower	Upper	
105	100		
120	54.0	27.1	81.3





#85

sec-Butylbenzene

Concen: 47.425 ug/l

RT: 12.36 min Scan# 1199

Delta R.T. -0.02 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 994230

Ion Ratio Lower Upper

105 100

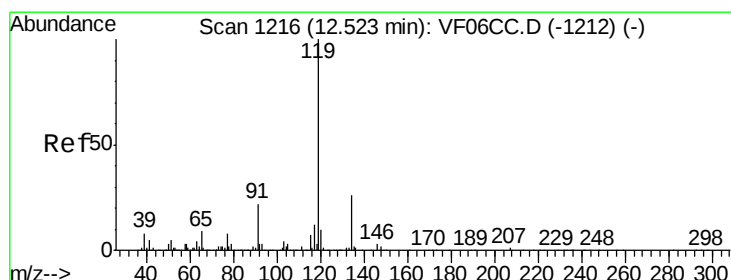
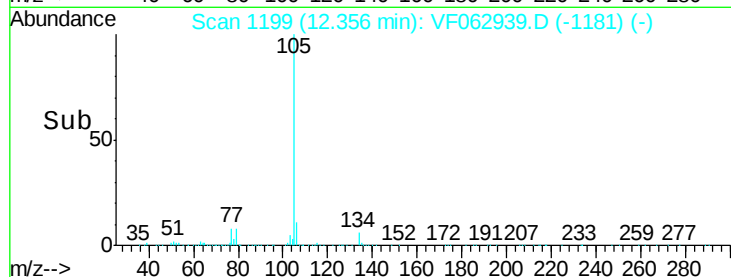
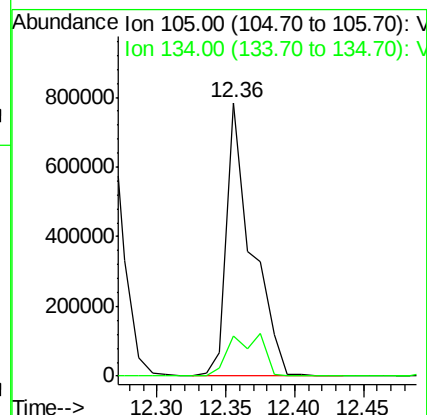
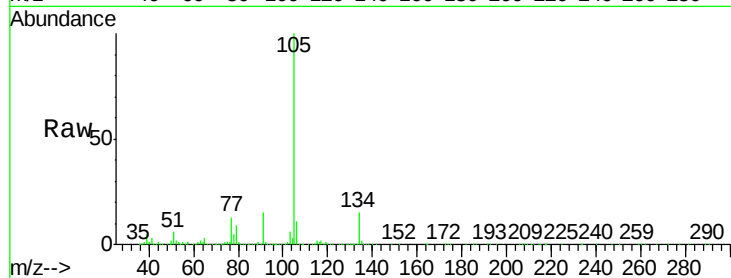
134 14.6 10.5 31.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 77.050 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.02 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

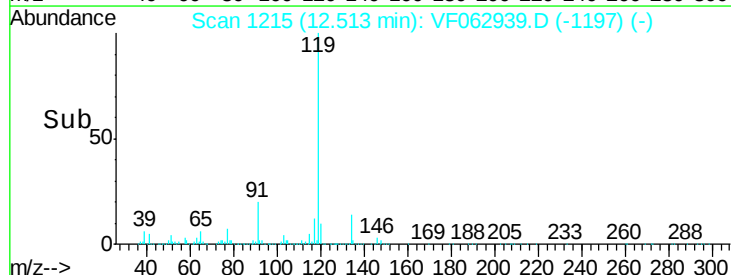
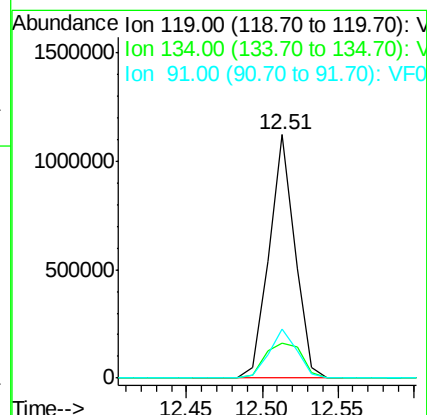
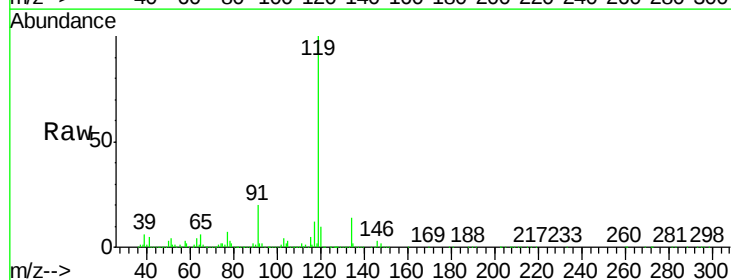
Tgt Ion:119 Resp: 1344508

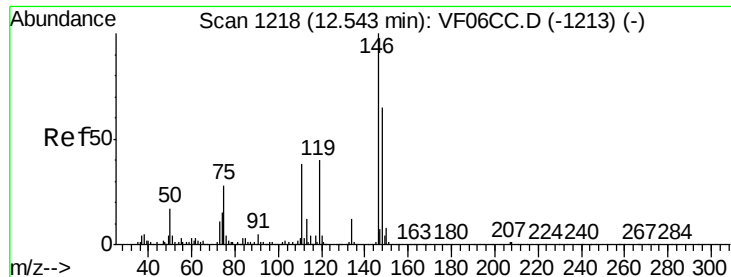
Ion Ratio Lower Upper

119 100

134 14.2 15.5 46.5#

91 20.1 10.3 30.9





#87

1,3-Dichlorobenzene

Concen: 55.313 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Instrument :

MSVOA_F

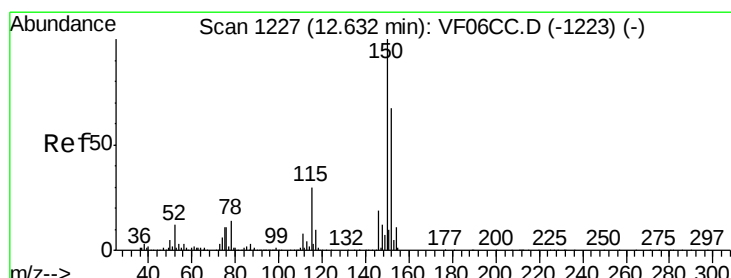
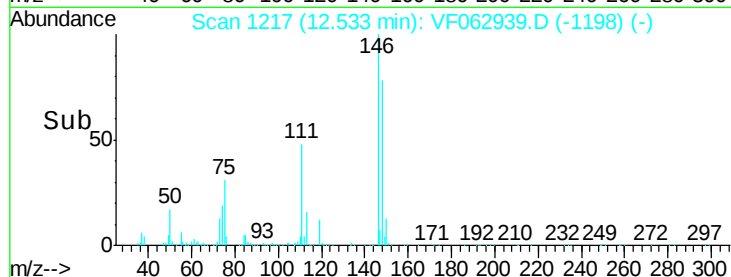
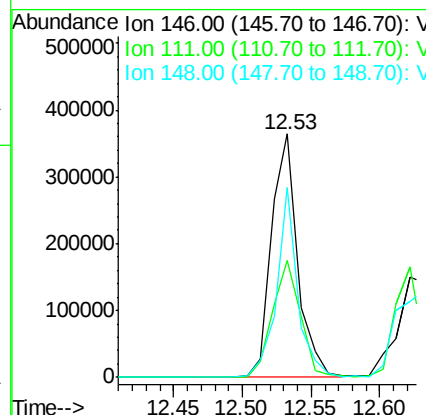
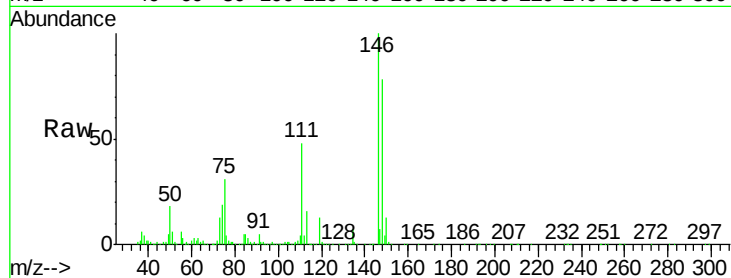
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	481234
Ion Ratio	Lower	Upper	
146	100		
111	48.3	19.6	58.8
148	78.2	34.2	102.5

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#88

1,4-Dichlorobenzene

Concen: 33.082 ug/l m

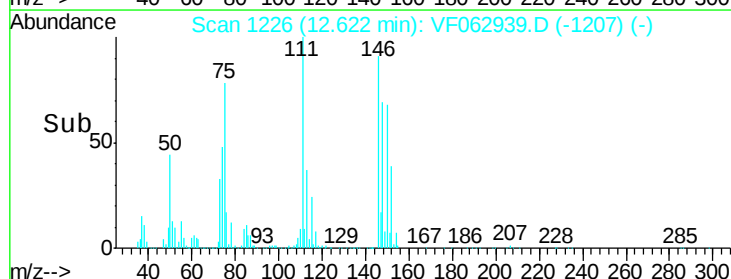
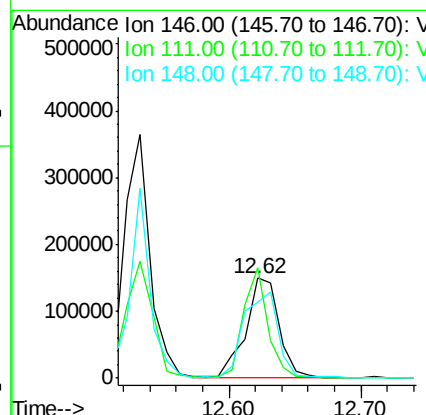
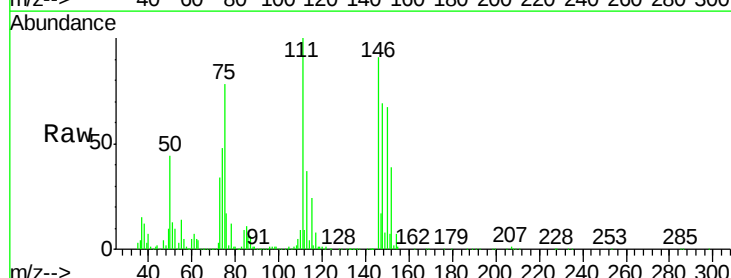
RT: 12.62 min Scan# 1226

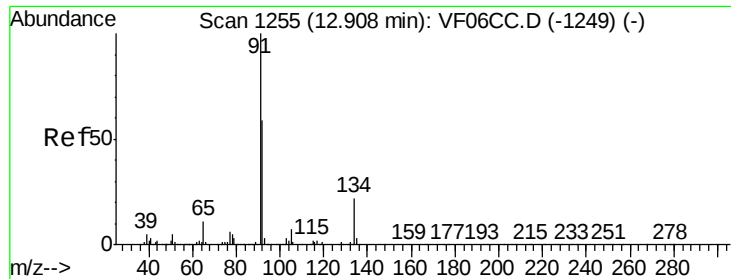
Delta R.T. -0.01 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Tgt Ion:	146	Resp:	268609
Ion Ratio	Lower	Upper	
146	100		
111	110.0	20.3	60.9#
148	75.6	34.0	101.8





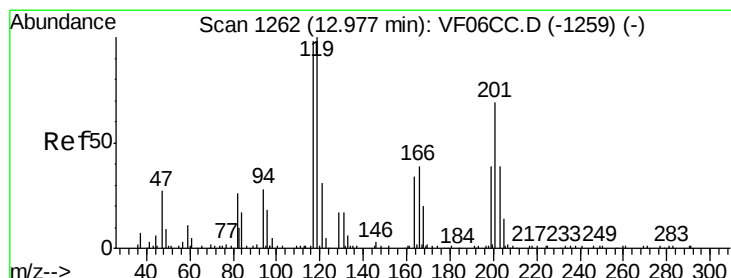
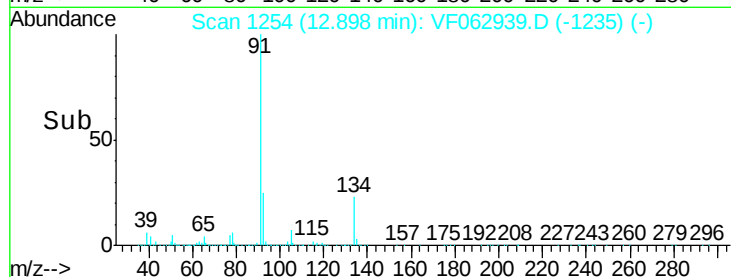
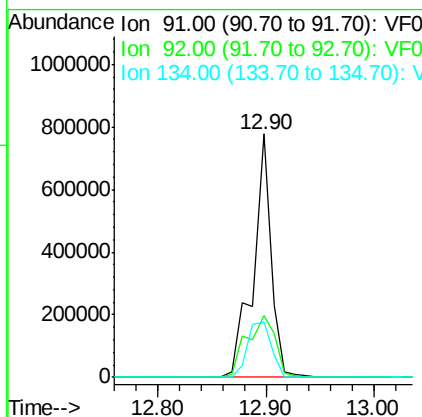
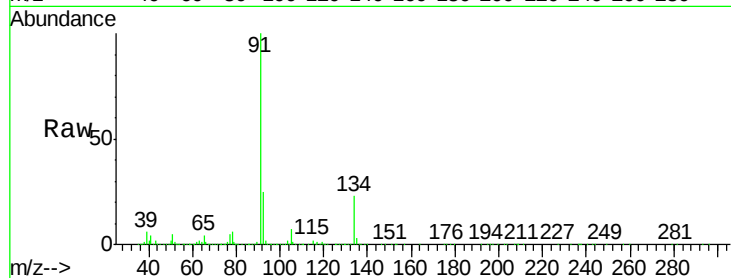
#89
n-Butylbenzene
Concen: 51.469 ug/l
RT: 12.90 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF062939.D
Acq: 12 Jun 2019 20:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	25.3	34.2	102.6#
134	23.0	15.8	47.3

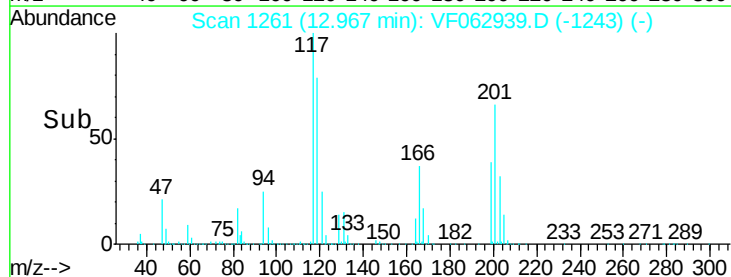
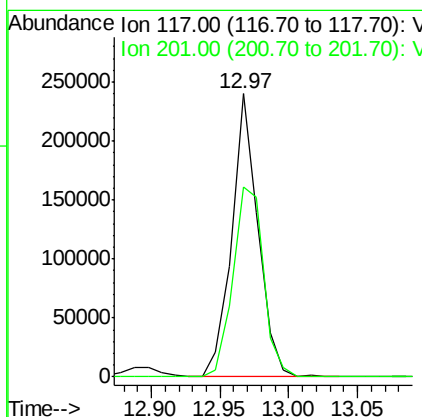
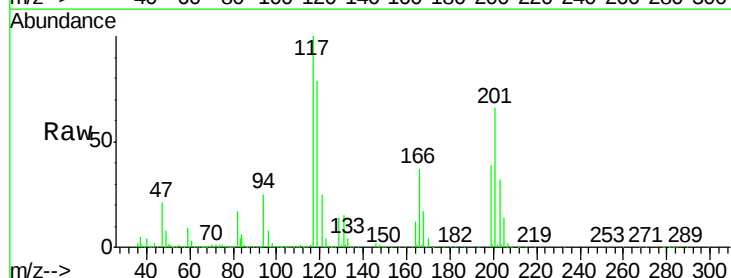
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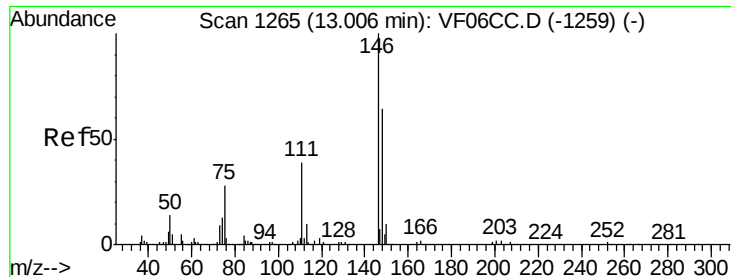
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#90
Hexachloroethane
Concen: 74.505 ug/l
RT: 12.97 min Scan# 1261
Delta R.T. -0.02 min
Lab File: VF062939.D
Acq: 12 Jun 2019 20:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.0	38.9	116.7





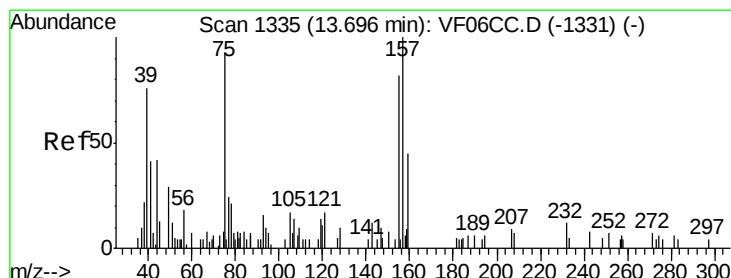
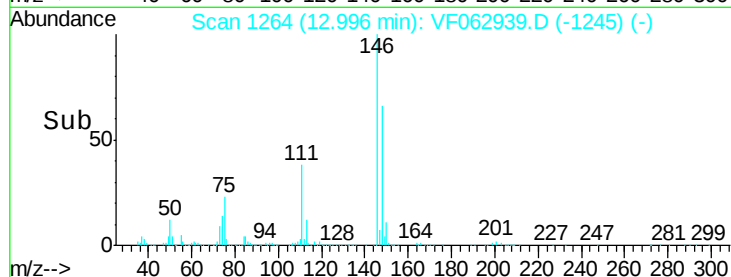
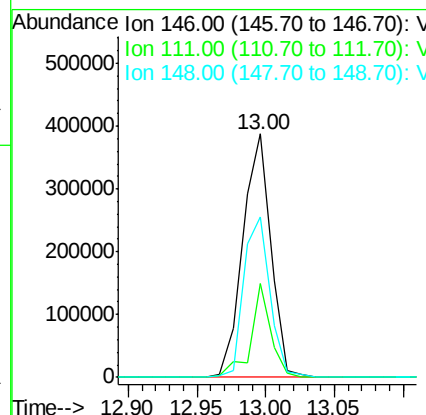
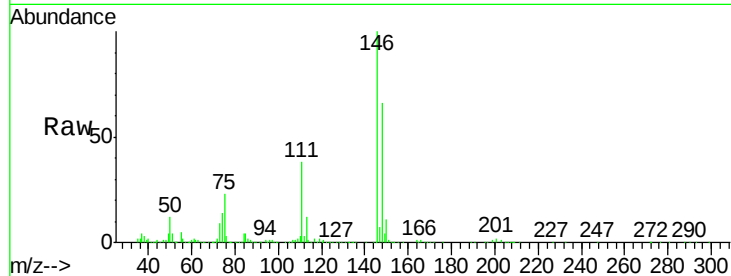
#91
 1,2-Dichlorobenzene
 Concen: 72.225 ug/l
 RT: 13.00 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: VF062939.D
 Acq: 12 Jun 2019 20:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	20.4	61.3
148	66.1	34.1	102.3

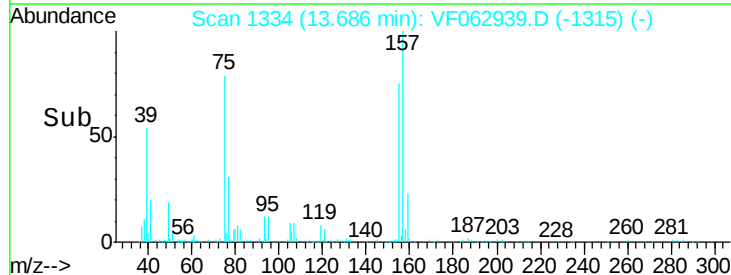
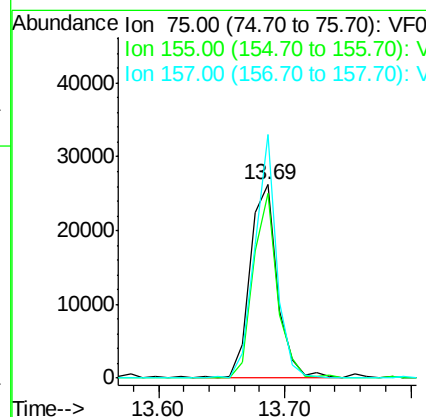
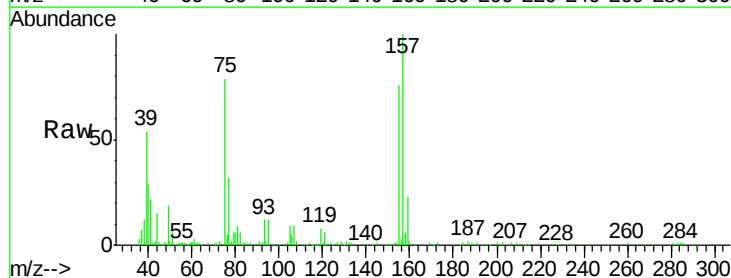
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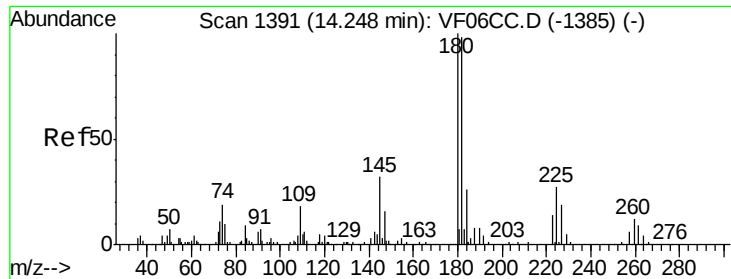
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 86.219 ug/l
 RT: 13.69 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: VF062939.D
 Acq: 12 Jun 2019 20:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.2	51.7	155.1
157	125.9	66.8	200.6





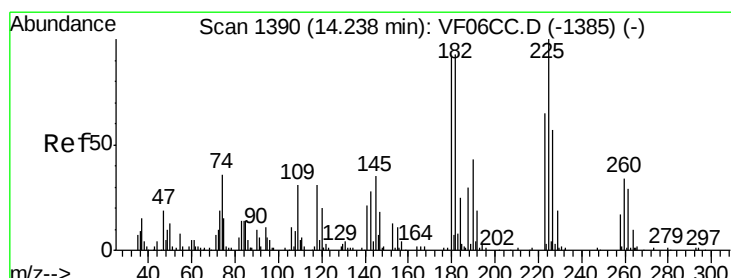
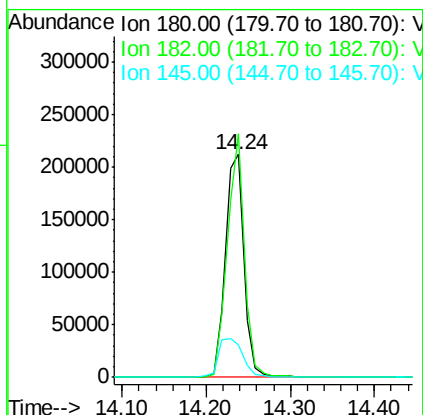
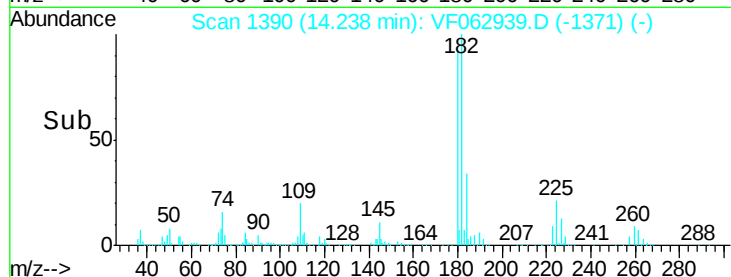
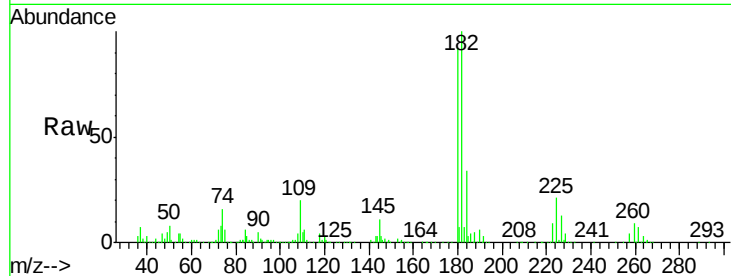
#93
1,2,4-Trichlorobenzene
Concen: 62.010 ug/l
RT: 14.24 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VF062939.D
Acq: 12 Jun 2019 20:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	109.2	50.3	150.9	
145	14.6	15.4	46.2#	

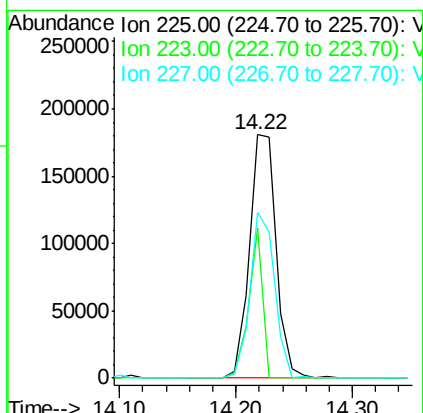
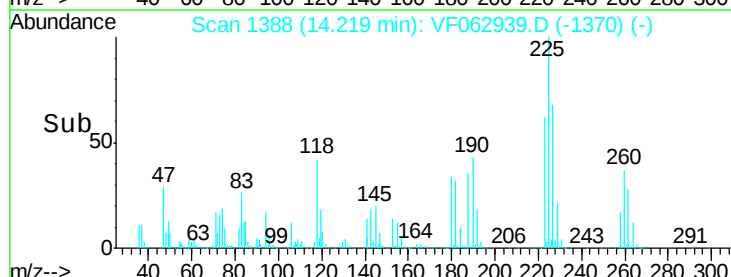
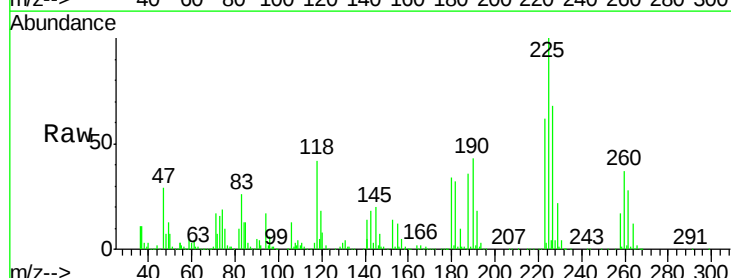
Manual Integrations
APPROVED

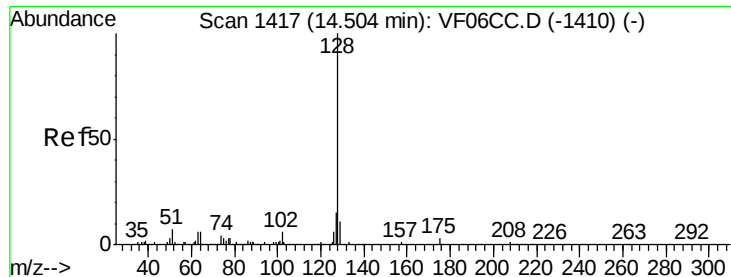
MMDadoda
6/13/2019 11:33:07 AM



#94
Hexachlorobutadiene
Concen: 79.088 ug/l
RT: 14.22 min Scan# 1388
Delta R.T. -0.02 min
Lab File: VF062939.D
Acq: 12 Jun 2019 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.7	30.8	92.4	
227	68.0	31.9	95.5	





#95

Naphthalene

Concen: 72.546 ug/l

RT: 14.48 min Scan# 1415

Delta R.T. -0.02 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Instrument :

MSVOA_F

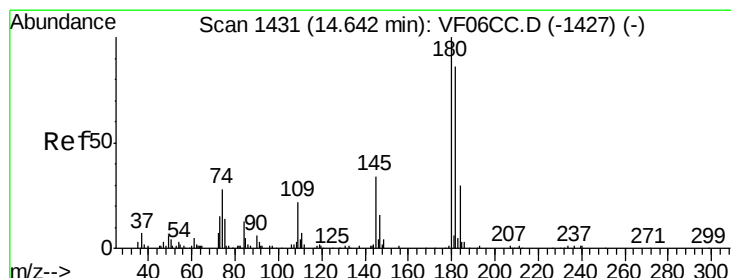
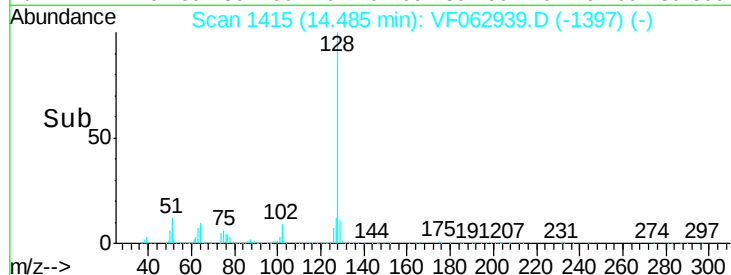
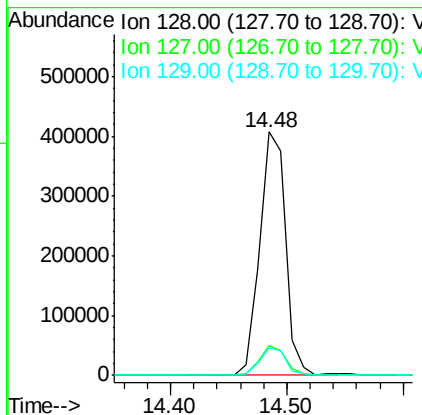
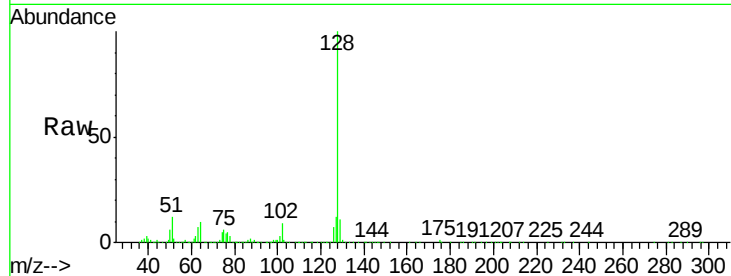
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	624037
Ion Ratio	Lower	Upper	
128	100		
127	12.1	9.7	14.5
129	11.0	9.4	14.2

Manual Integrations
APPROVED

MMDadoda
6/13/2019 11:33:07 AM



#96

1,2,3-Trichlorobenzene

Concen: 76.998 ug/l

RT: 14.63 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VF062939.D

Acq: 12 Jun 2019 20:36

Tgt Ion:	180	Resp:	369038
Ion Ratio	Lower	Upper	
180	100		
182	99.5	48.6	145.9
145	29.3	15.7	47.0

