

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060619\
 Data File : VF062878.D
 Acq On : 6 Jun 2019 13:07
 Operator : FY/SY
 Sample : VF0606SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0606SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/7/2019 4:04:00 PM

Quant Time: Jun 07 01:52:35 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	5.08	168	816189	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1355300	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	1151130	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	530599	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.06	65	267941	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	
35) Dibromofluoromethane	4.33	113	468737	45.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.54%	
50) Toluene-d8	7.73	98	1207056	46.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.22%	
62) 4-Bromofluorobenzene	11.50	95	469777	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	219641	21.312	ug/l	96
3) Chloromethane	1.14	50	186749	22.113	ug/l	96
4) Vinyl Chloride	1.19	62	170151	20.275	ug/l	98
5) Bromomethane	1.41	94	97682	20.410	ug/l	98
6) Chloroethane	1.45	64	66824	21.297	ug/l #	79
7) Trichlorofluoromethane	1.57	101	259486	21.841	ug/l	98
8) Diethyl Ether	1.72	74	48483	20.742	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.92	101	153562	20.559	ug/l	97
10) Methyl Iodide	2.00	142	310598	20.739	ug/l #	97
11) Tert butyl alcohol	2.71	59	34228	100.109	ug/l	98
12) 1,1-Dichloroethene	1.88	96	140423	20.704	ug/l	98
13) Acrolein	2.12	56	13887	96.651	ug/l #	64
14) Allyl chloride	2.21	41	130898m	24.877	ug/l	
15) Acrylonitrile	3.12	53	100675	78.362	ug/l #	80
16) Acetone	2.37	43	122785	95.051	ug/l #	89
17) Carbon Disulfide	1.92	76	403089	20.334	ug/l	97
18) Methyl Acetate	2.47	43	43717	19.366	ug/l	93
19) Methyl tert-butyl Ether	2.56	73	252863	20.578	ug/l #	92
20) Methylene Chloride	2.35	84	137057m	19.357	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	146415	21.530	ug/l	91
22) Diisopropyl ether	2.96	45	294945	19.729	ug/l	92
23) Vinyl Acetate	3.36	43	1000954	97.802	ug/l	97
24) 1,1-Dichloroethane	3.04	63	222721	19.954	ug/l	99
25) 2-Butanone	4.54	43	291274	96.824	ug/l	99
26) 2,2-Dichloropropane	3.81	77	135925	21.447	ug/l	96
27) cis-1,2-Dichloroethene	3.67	96	231023	20.210	ug/l	95
28) Bromochloromethane	3.92	49	124639	20.528	ug/l	81
29) Tetrahydrofuran	4.29	42	116835	101.544	ug/l	97
30) Chloroform	4.07	83	332028	21.106	ug/l	98
31) Cyclohexane	3.89	56	297390	19.679	ug/l	90
32) 1,1,1-Trichloroethane	4.32	97	220554	24.080	ug/l	95
36) 1,1-Dichloropropene	4.50	75	248128	19.887	ug/l	96
37) Ethyl Acetate	4.33	43	98281	20.606	ug/l #	83
38) Carbon Tetrachloride	4.21	117	189598	22.485	ug/l	96

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Quant Time: Jun 07 01:52:35 2019
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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)
39) Methylcyclohexane	5.66	83	308215	19.848	ug/l	97
40) Benzene	4.84	78	768398	21.161	ug/l	100
41) Methacrylonitrile	4.95	41	49689	18.740	ug/l #	88
42) 1,2-Dichloroethane	5.16	62	145092	21.009	ug/l	99
43) Isopropyl Acetate	7.14	43	127628	20.257	ug/l	95
44) Trichloroethene	5.71	130	206769	20.176	ug/l	96
45) 1,2-Dichloropropane	6.43	63	189074	20.749	ug/l	99
46) Dibromomethane	6.28	93	106918	20.097	ug/l	89
47) Bromodichloromethane	6.58	83	226644	20.918	ug/l	97
48) Methyl methacrylate	6.90	41	59377	18.287	ug/l	95
49) 1,4-Dioxane	6.90	88	16019	374.279	ug/l #	87
51) 4-Methyl-2-Pentanone	8.42	43	481849	107.121	ug/l	94
52) Toluene	7.80	92	402176	20.563	ug/l	93
53) t-1,3-Dichloropropene	8.44	75	184738	20.576	ug/l	99
54) cis-1,3-Dichloropropene	7.48	75	268431	20.654	ug/l	97
55) 1,1,2-Trichloroethane	8.66	97	119957	20.530	ug/l	96
56) Ethyl methacrylate	8.77	69	132956	21.207	ug/l	99
57) 1,3-Dichloropropane	9.01	76	227765	23.871	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.47	63	233942	106.772	ug/l	99
59) 2-Hexanone	9.64	43	385121	120.120	ug/l	98
60) Dibromochloromethane	8.88	129	162024	22.398	ug/l	91
61) 1,2-Dibromoethane	9.15	107	141059	23.245	ug/l	87
64) Tetrachloroethene	8.33	164	159734	18.058	ug/l	97
65) Chlorobenzene	9.95	112	448371	20.170	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	168017	18.978	ug/l	95
67) Ethyl Benzene	10.04	91	782394	20.510	ug/l	96
68) m/p-Xylenes	10.27	106	564103	38.643	ug/l	80
69) o-Xylene	10.83	106	297025	20.097	ug/l	98
70) Styrene	10.90	104	451708	20.735	ug/l	99
71) Bromoform	10.89	173	83556	19.674	ug/l #	99
73) Isopropylbenzene	11.23	105	803875	21.713	ug/l	93
74) N-amyl acetate	11.45	43	219030	20.991	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	167434	21.177	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	106654	20.351	ug/l	87
77) Bromobenzene	11.59	156	191958	20.635	ug/l	89
78) n-propylbenzene	11.68	91	953713	21.335	ug/l	90
79) 2-Chlorotoluene	11.81	91	512644	20.042	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	630820	20.835	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	44836m	20.207	ug/l	
82) 4-Chlorotoluene	11.99	91	518754	20.637	ug/l	100
83) tert-Butylbenzene	12.20	119	628083	20.936	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	596200	20.769	ug/l	97
85) sec-Butylbenzene	12.38	105	821860	20.790	ug/l	96
86) p-Isopropyltoluene	12.53	119	680639	20.685	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	332551	20.270	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	313928	20.504	ug/l	95
89) n-Butylbenzene	12.90	91	709326	21.430	ug/l	87
90) Hexachloroethane	12.98	117	161083	20.072	ug/l	81
91) 1,2-Dichlorobenzene	13.01	146	276431	19.170	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.70	75	16770	19.469	ug/l	97

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Instrument :
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ClientSampleId :
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Manual Integrations
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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	182569	18.440	ug/l	96
94) Hexachlorobutadiene	14.23	225	131633	19.218	ug/l	99
95) Naphthalene	14.50	128	304915	18.798	ug/l	97
96) 1,2,3-Trichlorobenzene	14.65	180	174233	19.278	ug/l	98

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

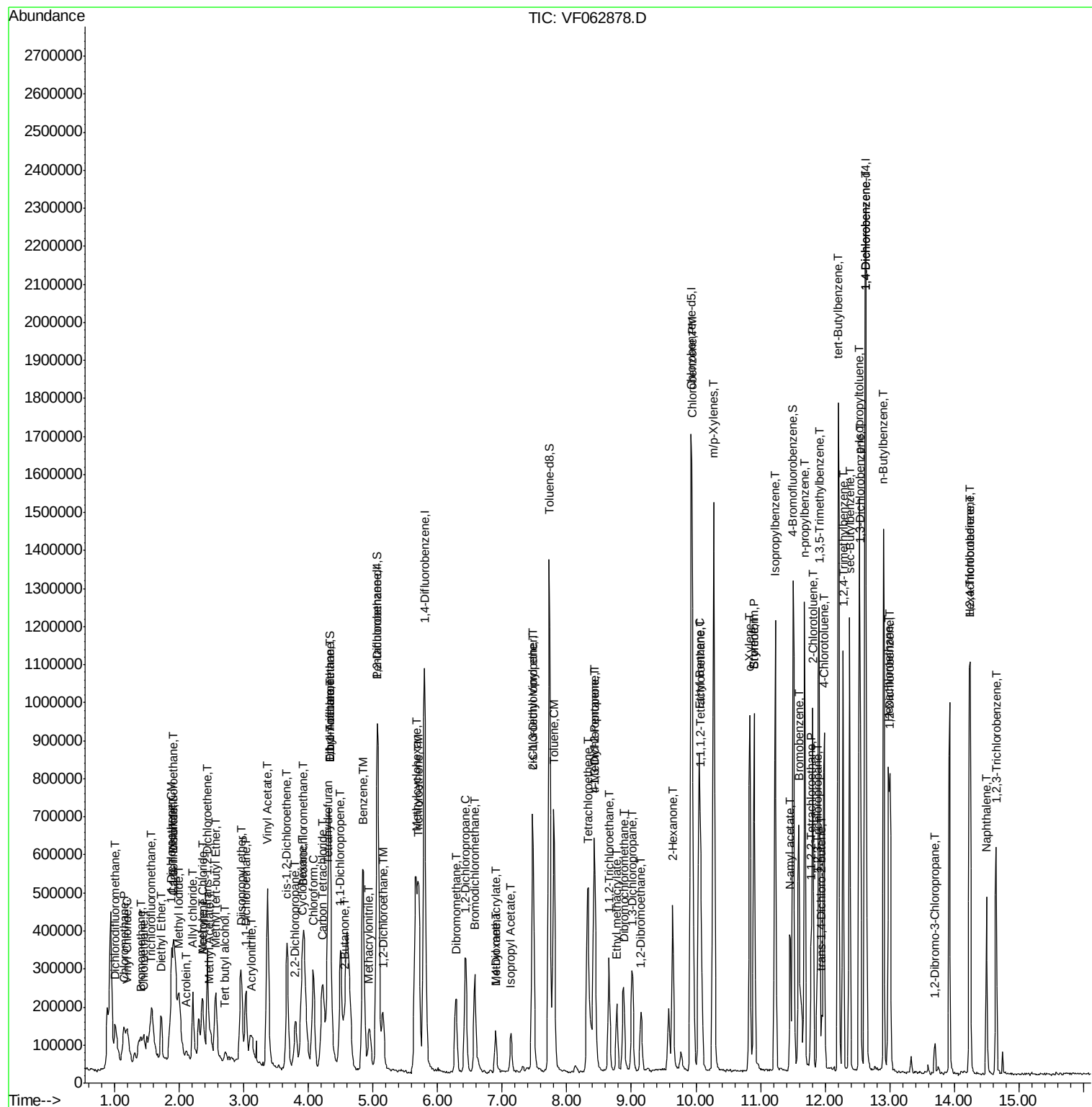
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF060619\
 Data File : VF062878.D
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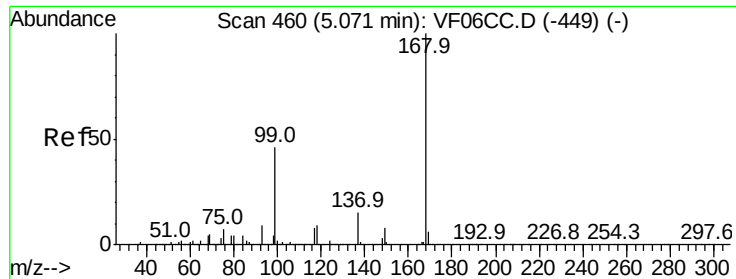
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0606SBSD01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.00 min

Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

VF0606SBSD01

Tot Ion:168 Resp: 816189

Ion Ratio Lower Upper

168 100

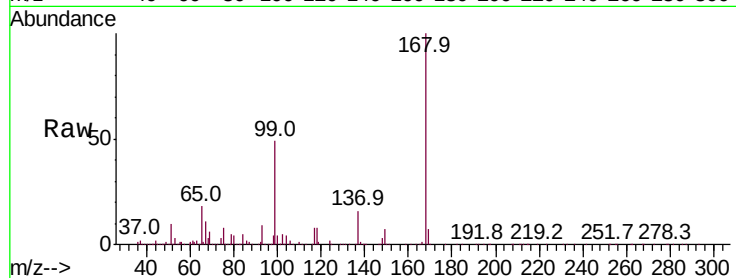
99 49.0 39.1 58.7

Manual Integrations

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6/7/2019 4:04:00 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

250000

200000

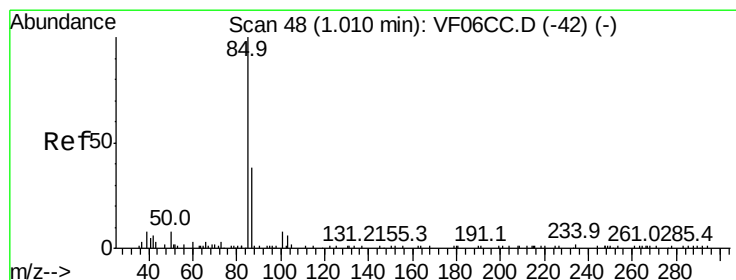
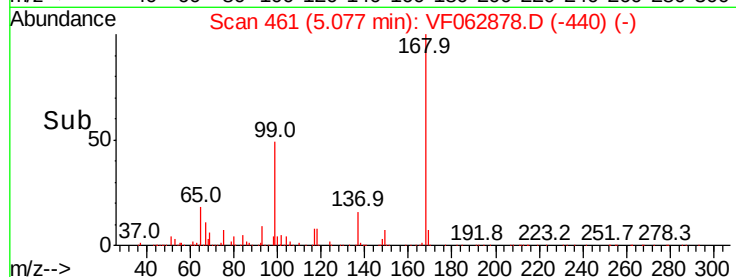
150000

100000

50000

0

Time--> 4.90 5.00 5.10 5.20 5.30



#2

Dichlorodifluoromethane

Concen: 21.312 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.01 min

Lab File: VF062878.D

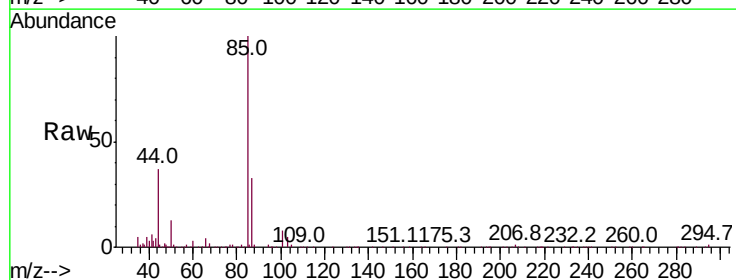
Acq: 6 Jun 2019 13:07

Tgt Ion: 85 Resp: 219641

Ion Ratio Lower Upper

85 100

87 33.1 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

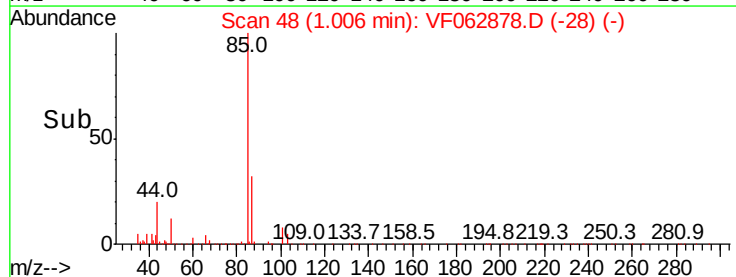
60000

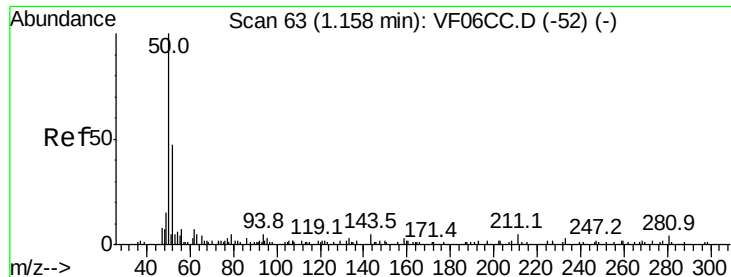
40000

20000

0

Time--> 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 22.113 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

VF0606SBSD01

Tot Ion: 50 Resp: 186749

Ion Ratio Lower Upper

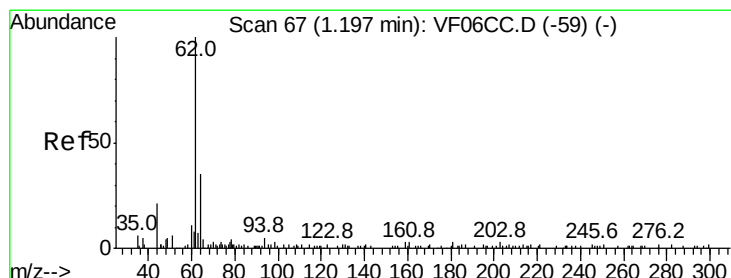
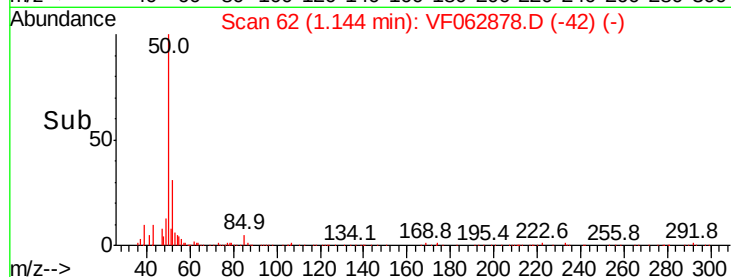
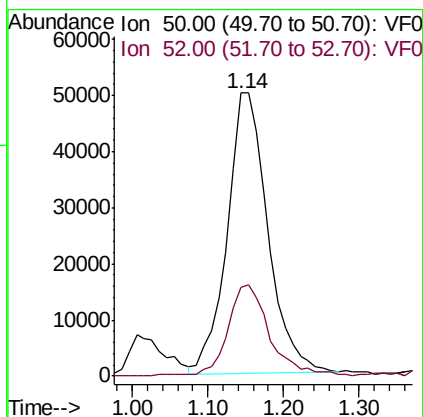
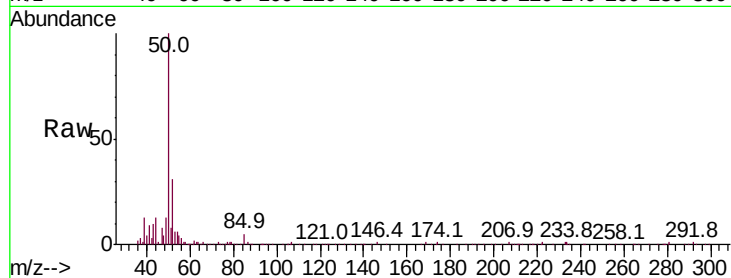
50 100

52 31.5 27.0 40.4

Manual Integrations
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6/7/2019 4:04:00 PM



#4

Vinyl Chloride

Concen: 20.275 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.01 min

Lab File: VF062878.D

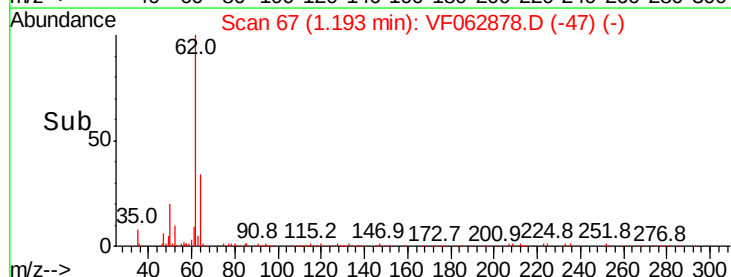
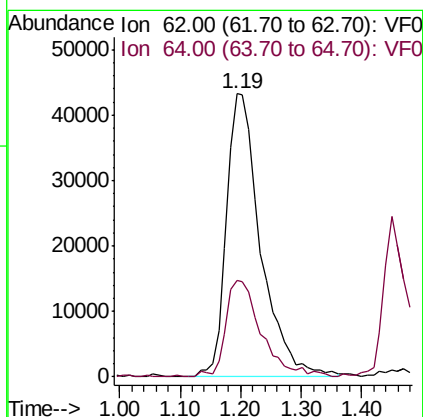
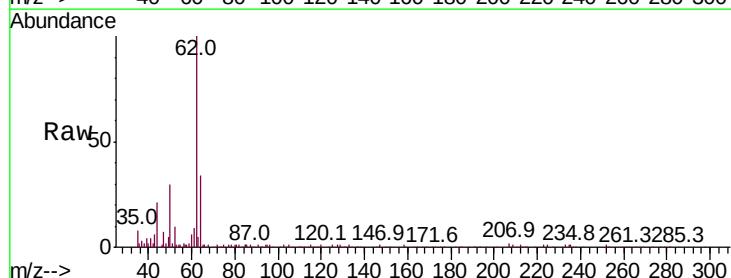
Acq: 6 Jun 2019 13:07

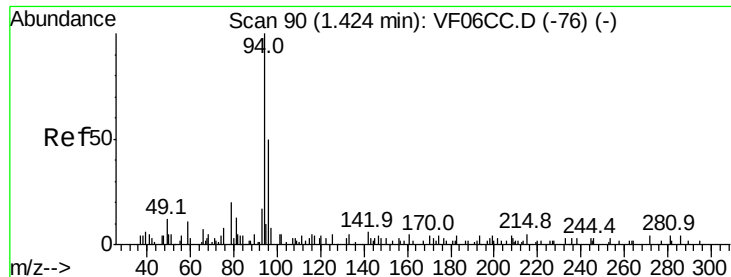
Tgt Ion: 62 Resp: 170151

Ion Ratio Lower Upper

62 100

64 34.1 26.2 39.2





#5

Bromomethane

Concen: 20.410 ug/l

RT: 1.41 min Scan# 89

Delta R.T. 0.00 min

Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

VF0606SBSD01

Tot Ion: 94 Resp: 97682

Ion Ratio Lower Upper

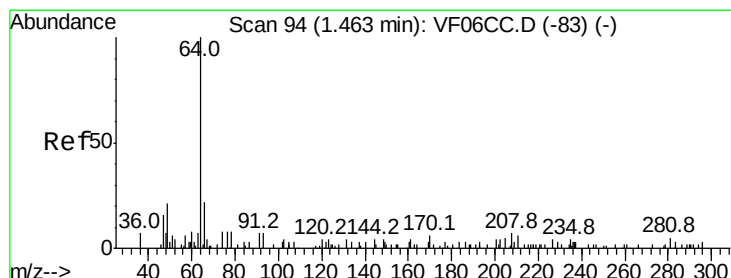
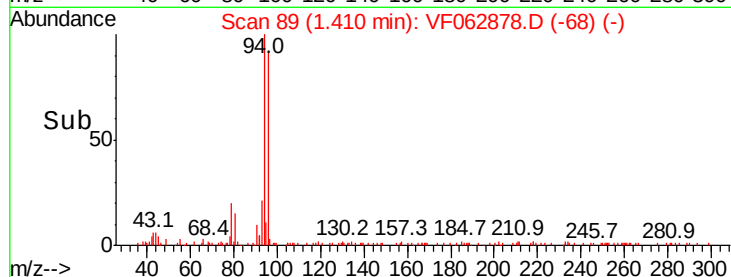
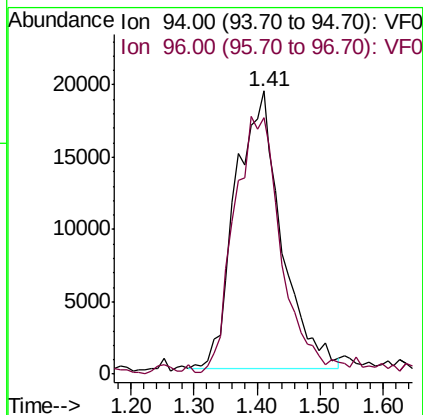
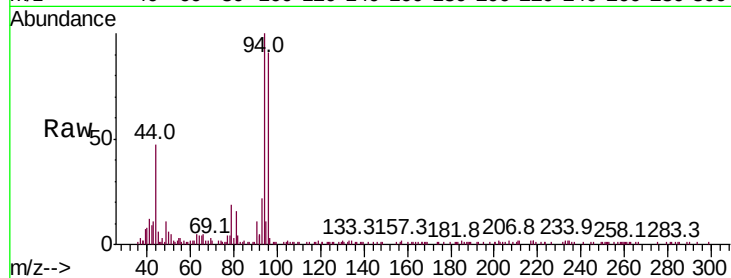
94 100

96 90.8 73.8 110.6

Manual Integrations
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#6

Chloroethane

Concen: 21.297 ug/l

RT: 1.45 min Scan# 93

Delta R.T. -0.02 min

Lab File: VF062878.D

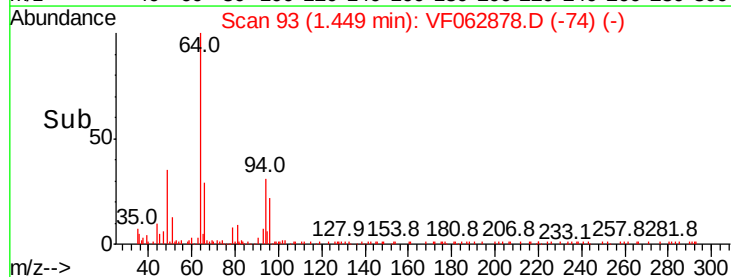
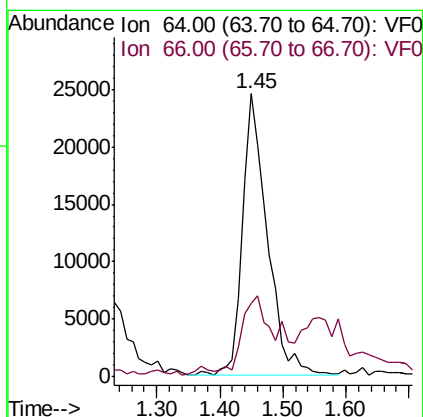
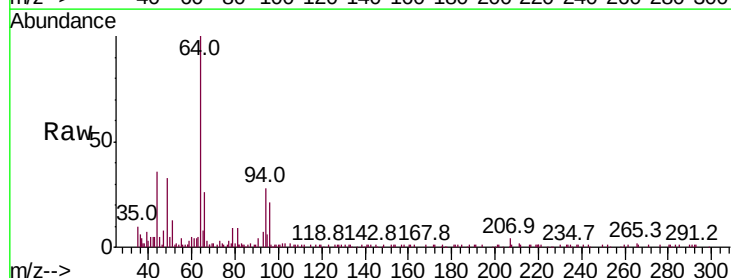
Acq: 6 Jun 2019 13:07

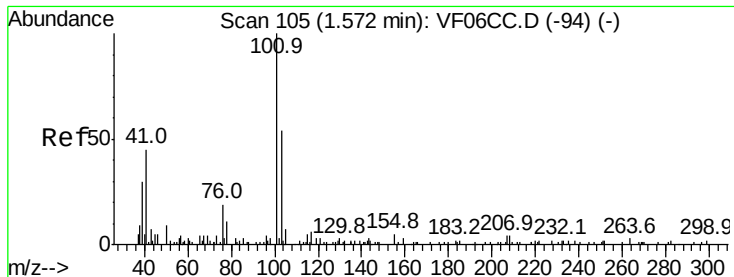
Tgt Ion: 64 Resp: 66824

Ion Ratio Lower Upper

64 100

66 25.9 31.0 46.4#





#7

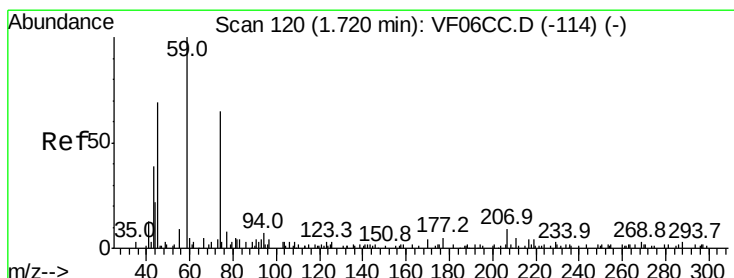
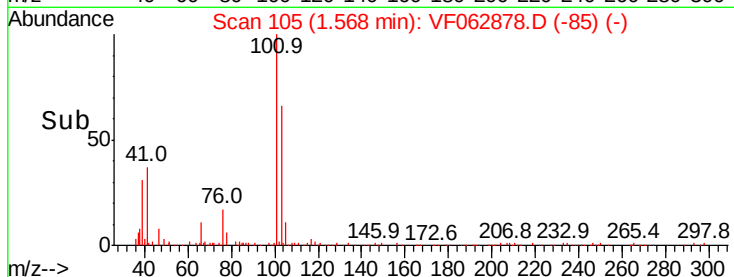
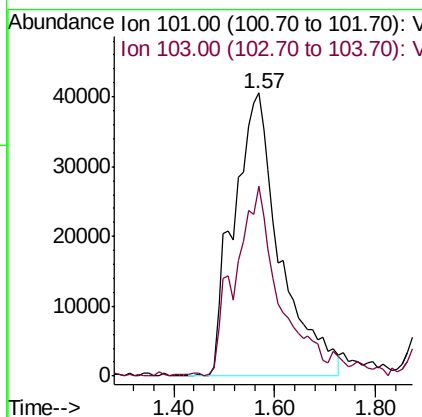
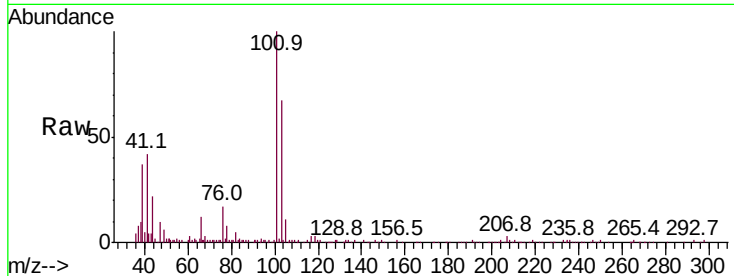
Trichlorofluoromethane
Concen: 21.841 ug/l
RT: 1.57 min Scan# 105
Delta R.T. -0.01 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	259486		
103	67.0	54.6	82.0	

Manual Integrations
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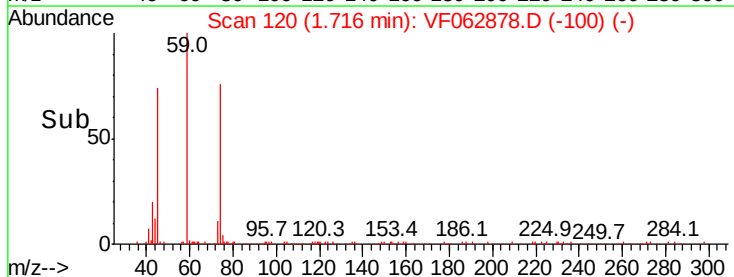
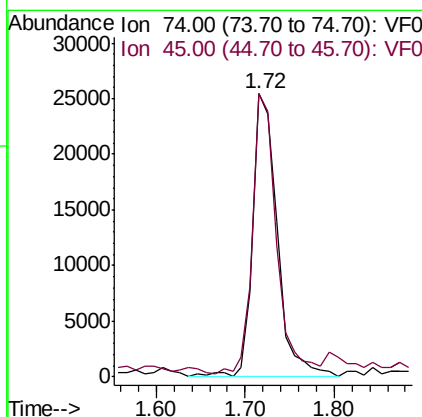
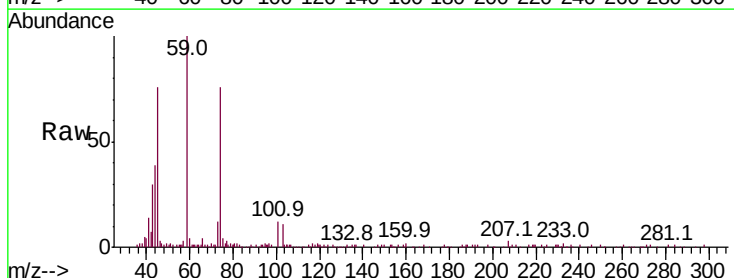
MMDadoda
6/7/2019 4:04:00 PM

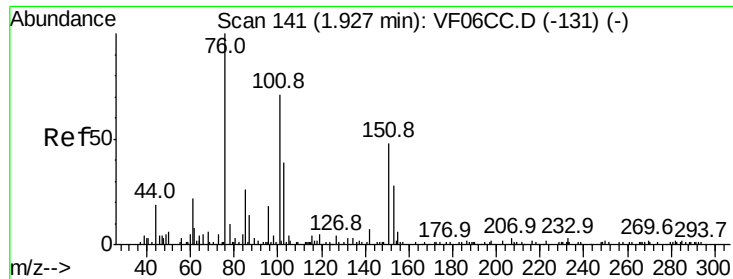


#8

Diethyl Ether
Concen: 20.742 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	48483		
45	100.0	47.5	142.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.559 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.02 min

Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

Instrument :

MSVOA_F

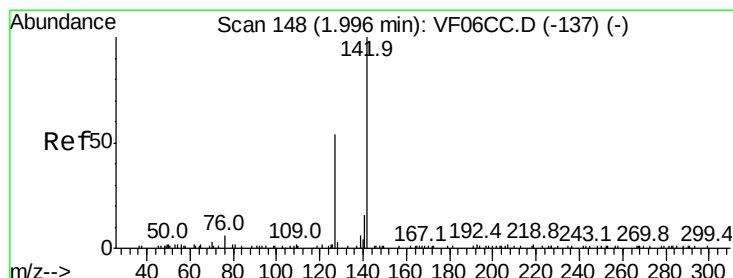
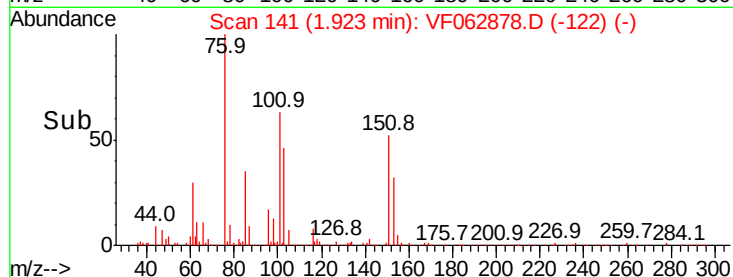
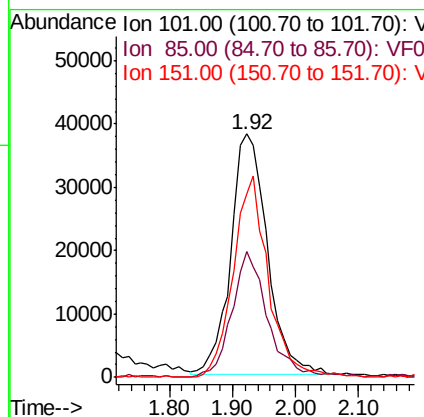
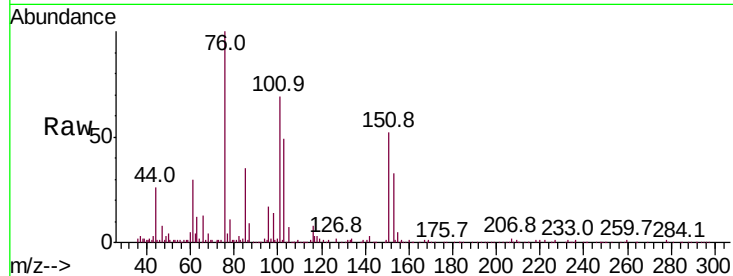
ClientSampleId :

VF0606SBSD01

Tot Ion:	101	Resp:	153562
Ion Ratio	Lower	Upper	
101	100		
85	51.5	37.1	55.7
151	75.3	60.3	90.5

Manual Integrations
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#10

Methyl Iodide

Concen: 20.739 ug/l

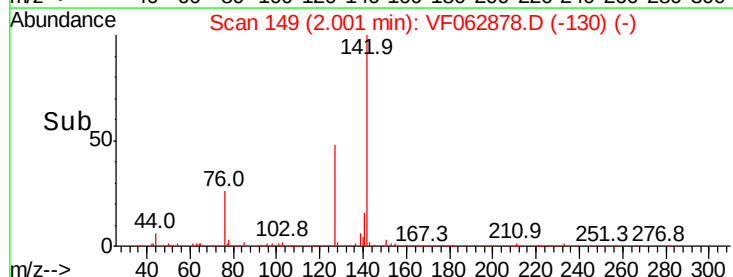
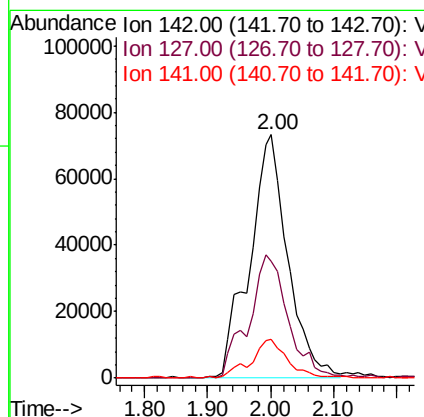
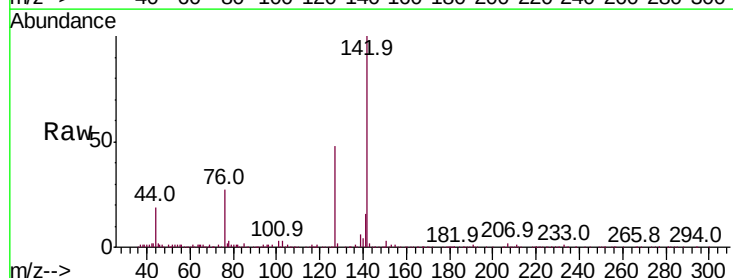
RT: 2.00 min Scan# 149

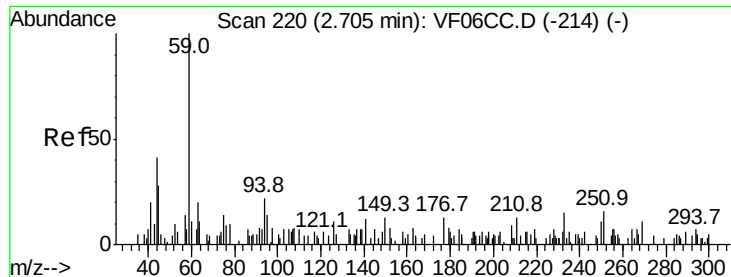
Delta R.T. -0.02 min

Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

Tgt Ion:	142	Resp:	310598
Ion Ratio	Lower	Upper	
142	100		
127	48.2	39.4	59.2
141	15.9	10.6	15.8#





#11

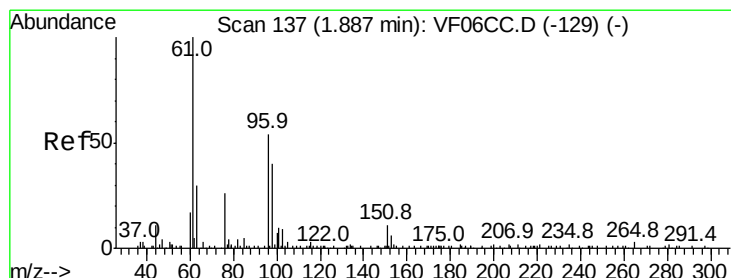
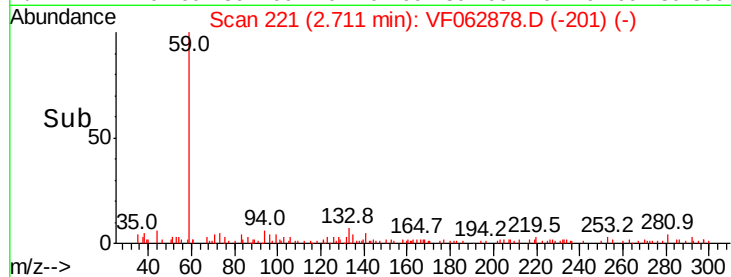
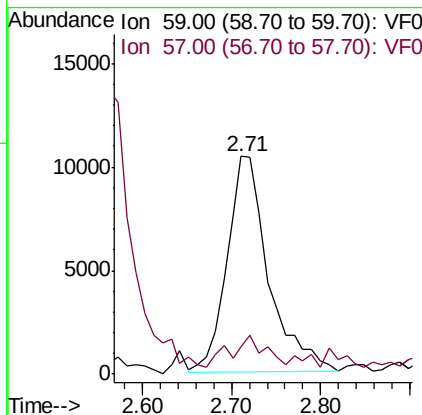
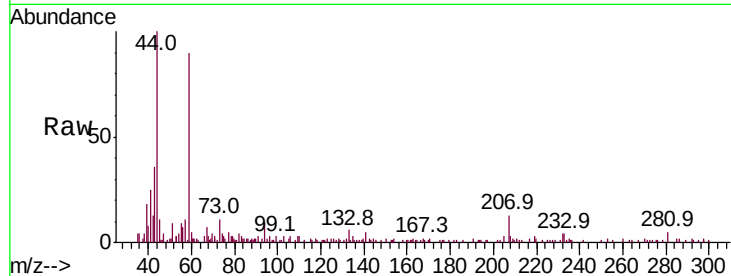
Tert butyl alcohol
Concen: 100.109 ug/l
RT: 2.71 min Scan# 221
Delta R.T. -0.01 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBSD01

Tot Ion	59	Resp	34228
Ion Ratio	100	Lower	Upper
57	12.4	9.2	13.8

Manual Integrations
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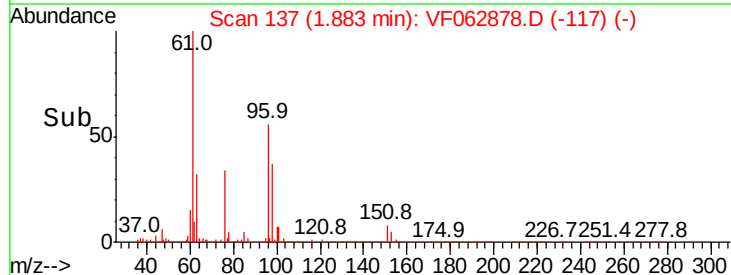
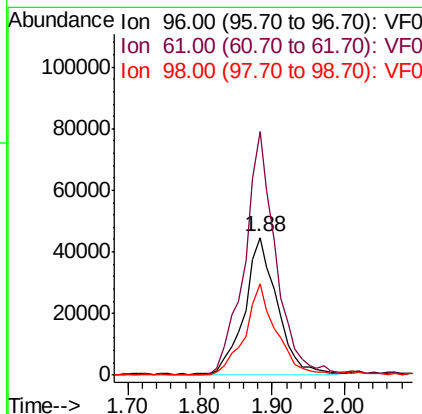
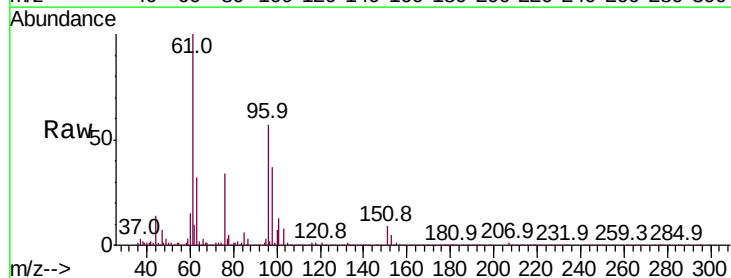
MMDadoda
6/7/2019 4:04:00 PM

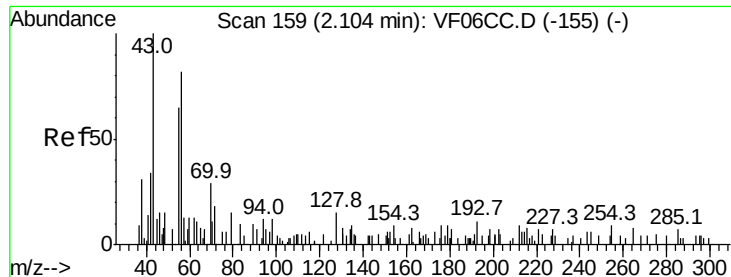


#12

1,1-Dichloroethene
Concen: 20.704 ug/l
RT: 1.88 min Scan# 137
Delta R.T. -0.01 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Tgt Ion	96	Resp	140423
Ion Ratio	100	Lower	Upper
61	176.7	139.4	209.2
98	66.0	50.3	75.5





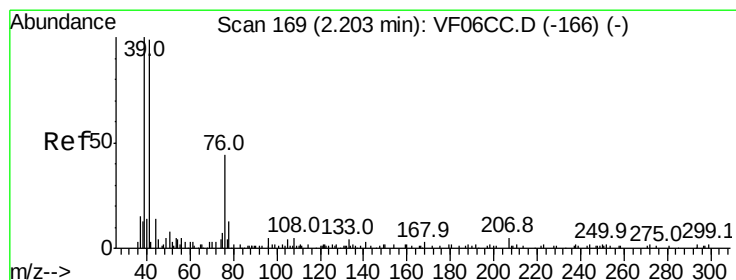
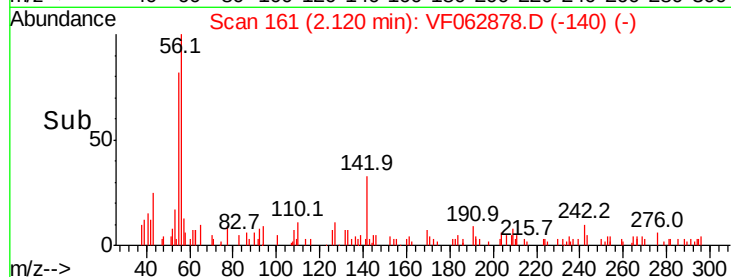
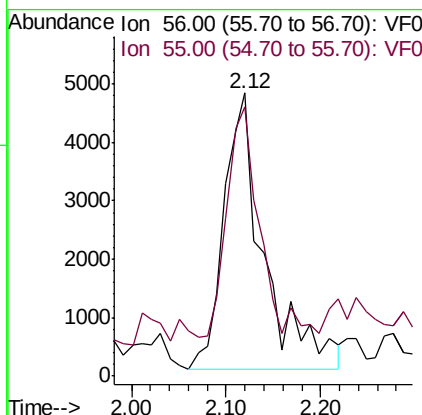
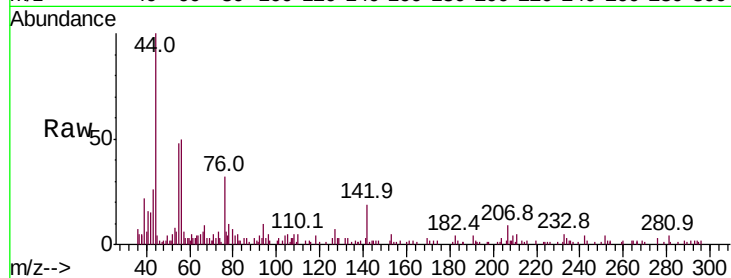
#13
Acrolein
Concen: 96.651 ug/l
RT: 2.12 min Scan# 161
Delta R.T. 0.00 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBSD01

Tot Ion: 56 Resp: 13887
Ion Ratio Lower Upper
56 100
55 95.1 52.9 79.3#

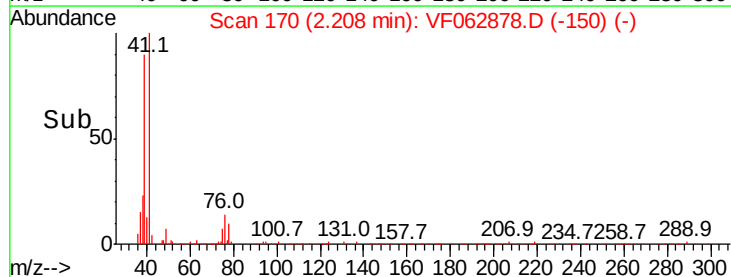
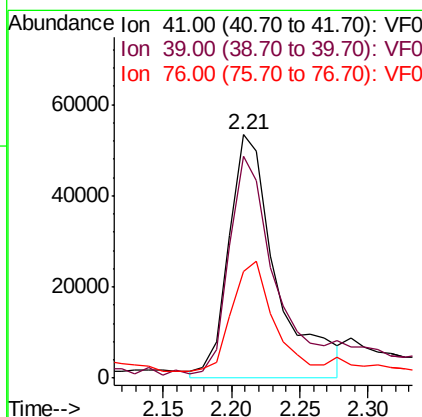
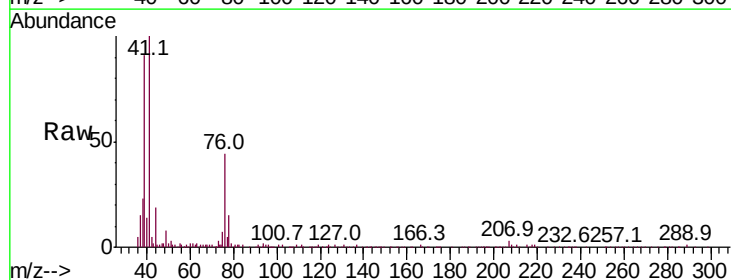
Manual Integrations
APPROVED

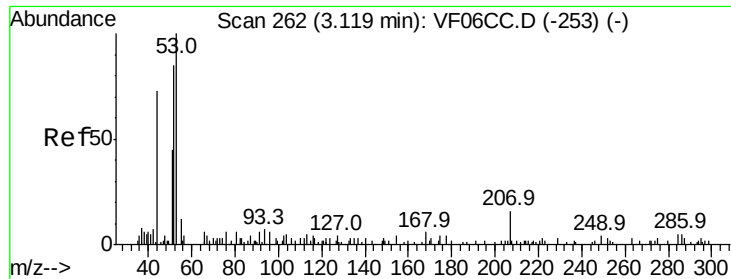
MMDadoda
6/7/2019 4:04:00 PM



#14
Allyl chloride
Concen: 24.877 ug/l m
RT: 2.21 min Scan# 170
Delta R.T. -0.01 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Tgt Ion: 41 Resp: 130898
Ion Ratio Lower Upper
41 100
39 91.1 71.9 107.9
76 43.9 39.6 59.4





#15

Acrylonitrile

Concen: 78.362 ug/l

RT: 3.12 min Scan# 262

Delta R.T. 0.00 min

Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

Instrument :

MSVOA_F

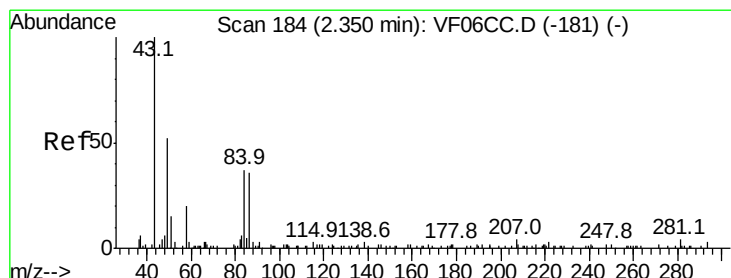
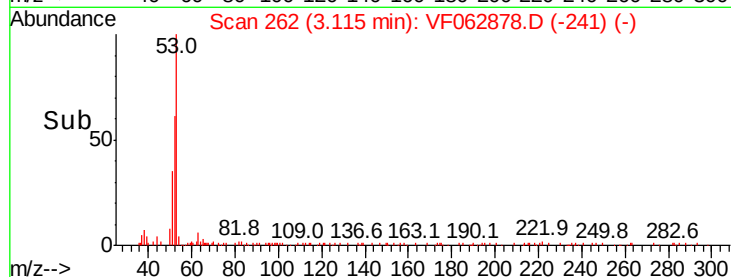
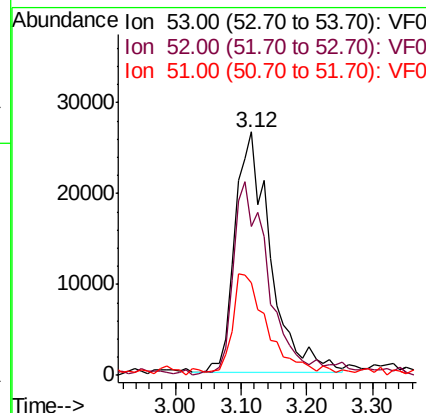
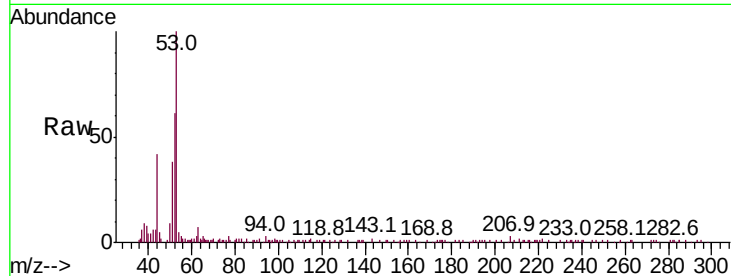
ClientSampleId :

VF0606SBSD01

Tot Ion:	53	Resp:	100675
Ion	Ratio	Lower	Upper
53	100		
52	61.0	68.1	102.1#
51	37.8	27.7	41.5

Manual Integrations
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MMDadoda
6/7/2019 4:04:00 PM



#16

Acetone

Concen: 95.051 ug/l

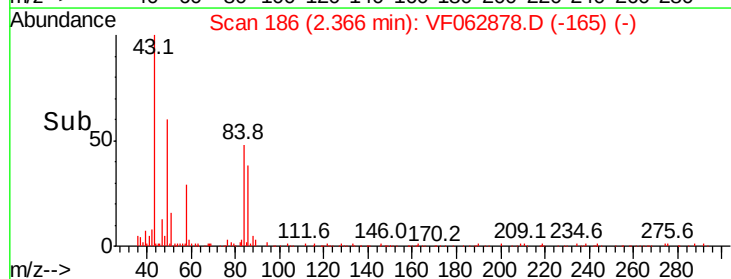
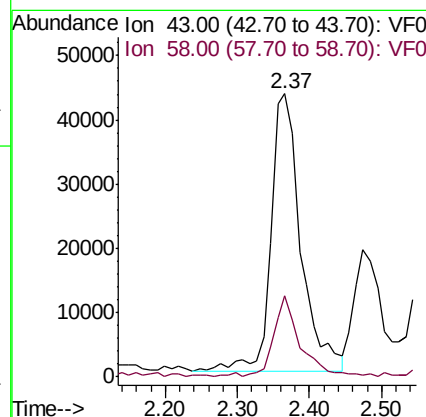
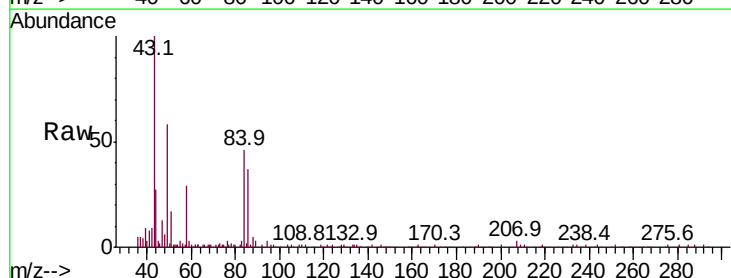
RT: 2.37 min Scan# 186

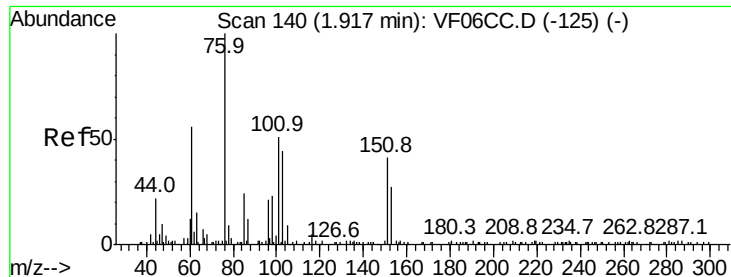
Delta R.T. 0.00 min

Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

Tgt Ion:	43	Resp:	122785
Ion	Ratio	Lower	Upper
43	100		
58	28.9	19.0	28.4#





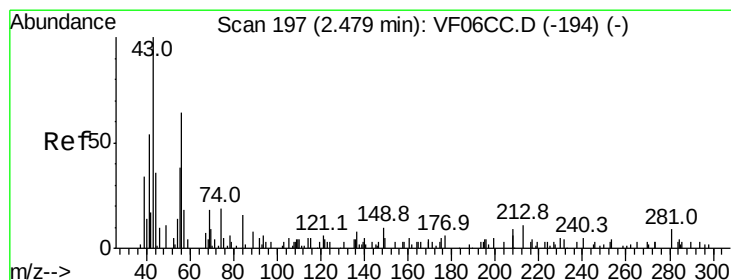
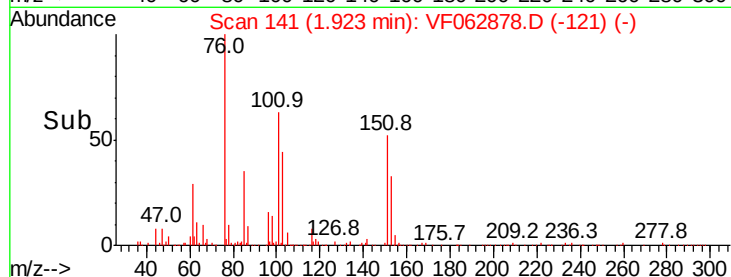
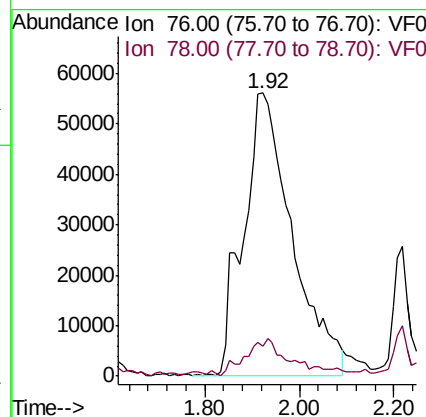
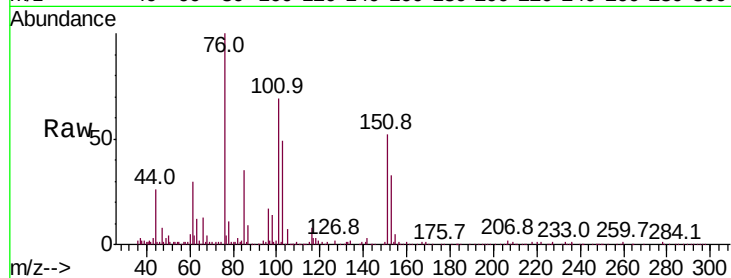
#17
Carbon Disulfide
Concen: 20.334 ug/l
RT: 1.92 min Scan# 141
Delta R.T. -0.01 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.8	9.4	14.2

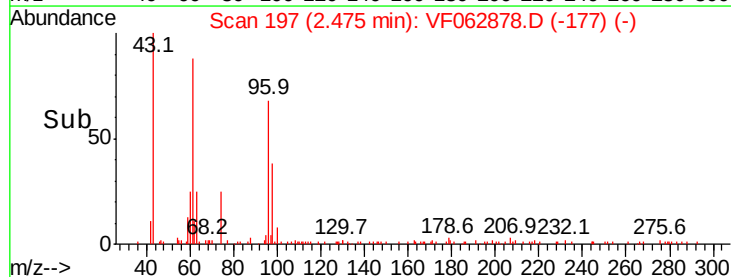
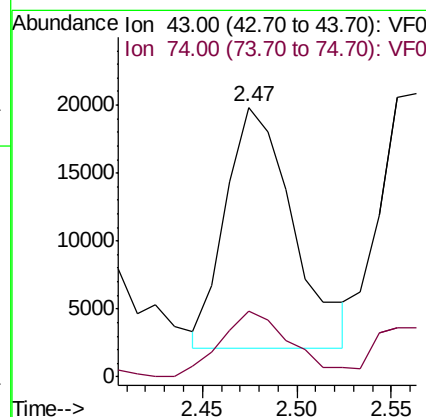
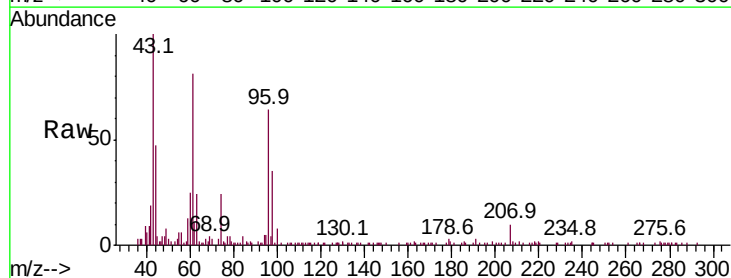
Manual Integrations
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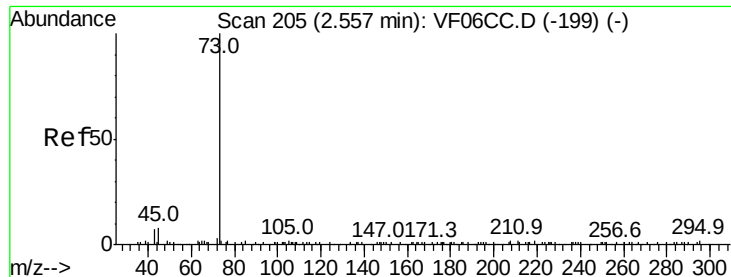
MMDadoda
6/7/2019 4:04:00 PM



#18
Methyl Acetate
Concen: 19.366 ug/l
RT: 2.47 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	22.1	33.1





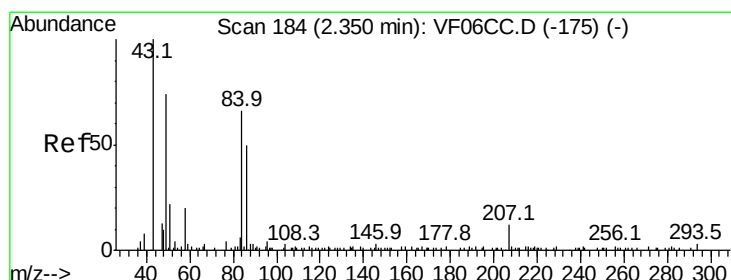
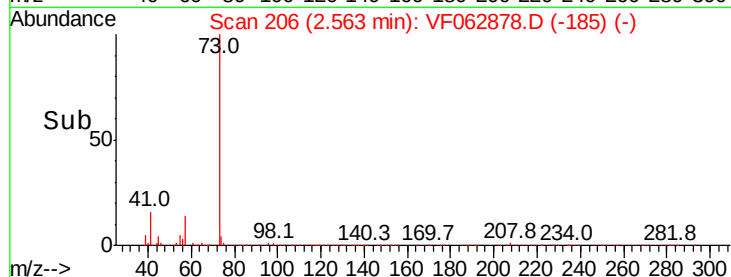
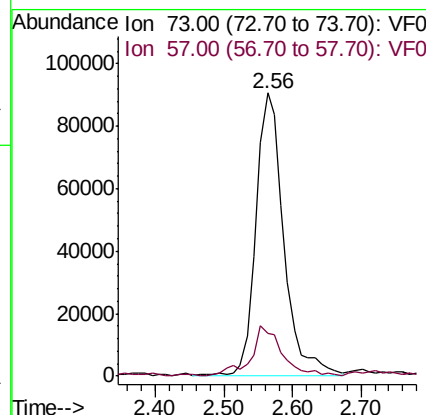
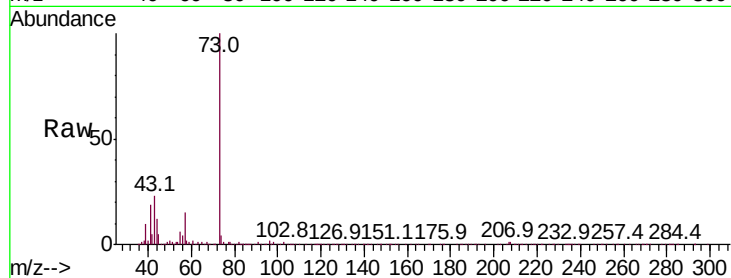
#19
Methyl tert-butyl Ether
Concen: 20.578 ug/l
RT: 2.56 min Scan# 206
Delta R.T. 0.00 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	15.1	15.1	22.7#

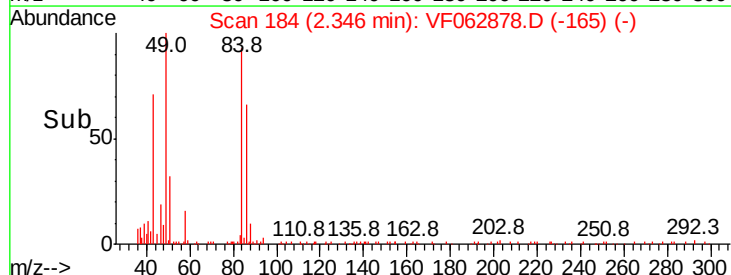
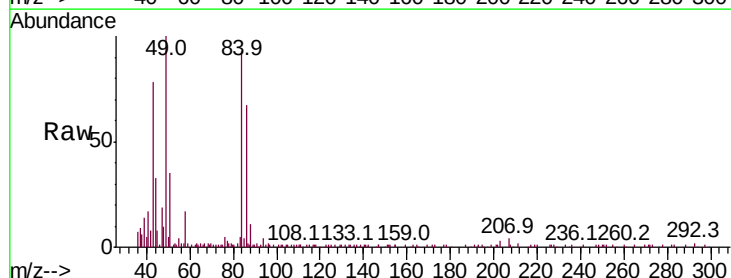
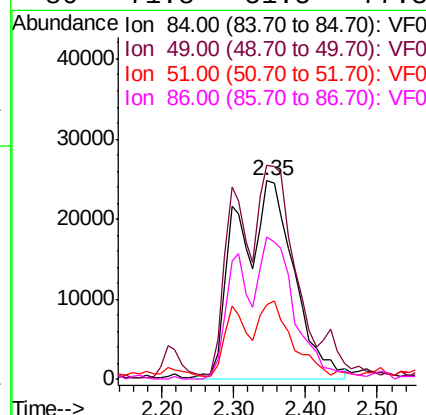
Manual Integrations
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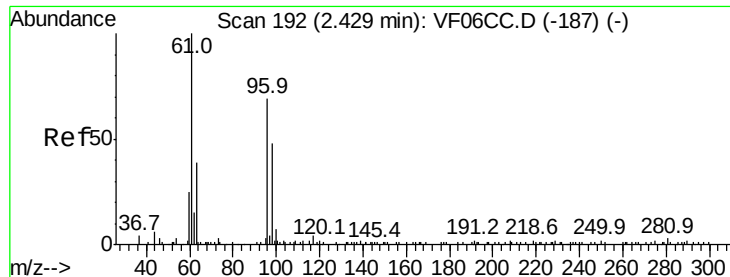
MMDadoda
6/7/2019 4:04:00 PM



#20
Methylene Chloride
Concen: 19.357 ug/l m
RT: 2.35 min Scan# 184
Delta R.T. -0.02 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Tgt Ion	Ratio	Lower	Upper
84	100		
49	107.9	82.6	123.8
51	37.4	25.0	37.4
86	71.8	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 21.530 ug/l

RT: 2.44 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

VF0606SBSD01

Tot Ion: 96 Resp: 146415

Ion Ratio Lower Upper

96 100

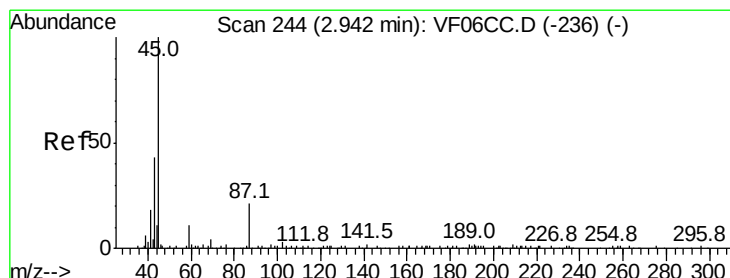
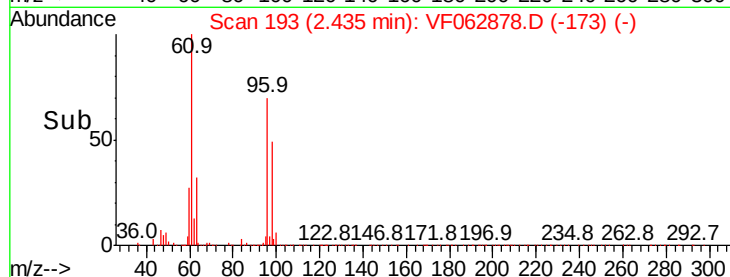
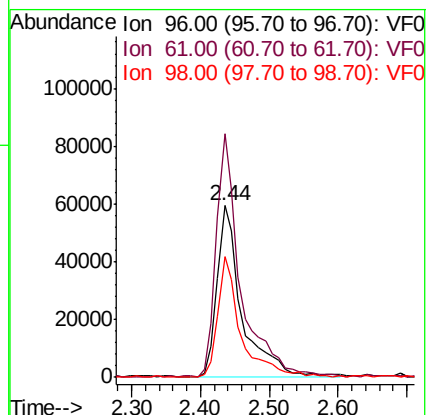
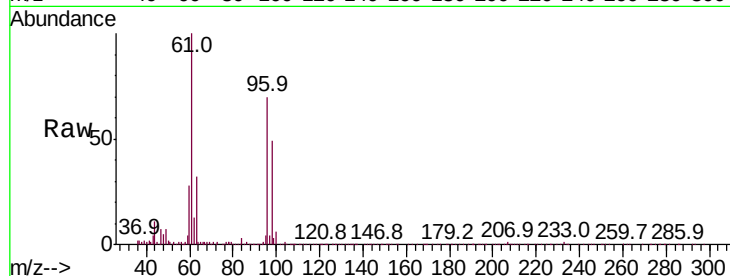
61 142.0 105.0 157.6

98 70.1 51.1 76.7

Manual Integrations
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6/7/2019 4:04:00 PM



#22

Diisopropyl ether

Concen: 19.729 ug/l

RT: 2.96 min Scan# 246

Delta R.T. 0.00 min

Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

Tgt Ion: 45 Resp: 294945

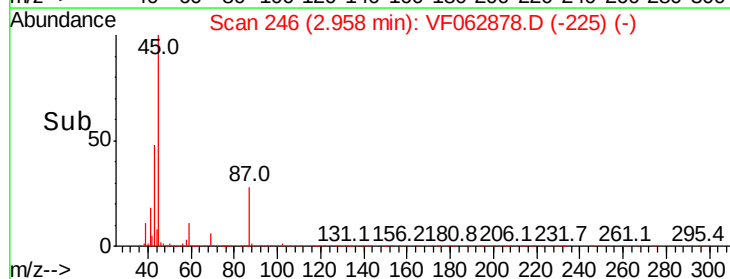
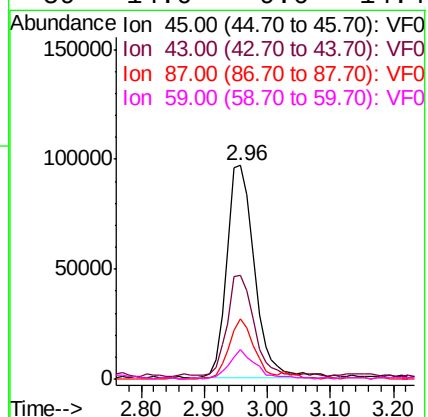
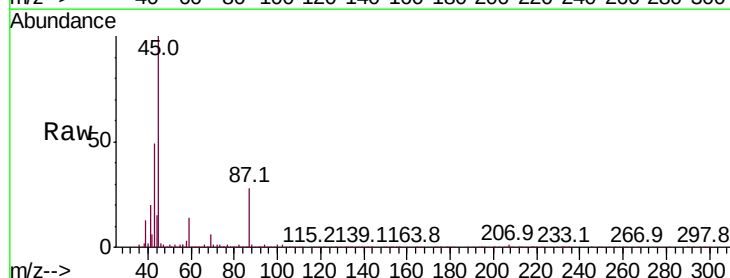
Ion Ratio Lower Upper

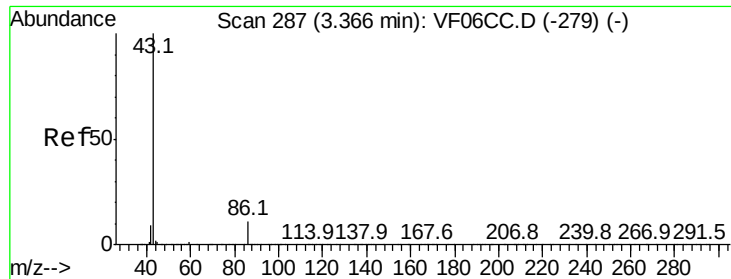
45 100

43 48.7 34.3 51.5

87 28.0 19.0 28.4

59 14.0 9.6 14.4





#23

Vinyl Acetate

Concen: 97.802 ug/l

RT: 3.36 min Scan# 287

Delta R.T. -0.01 min

Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

VF0606SBSD01

Tot Ion: 43 Resp: 1000954

Ion Ratio Lower Upper

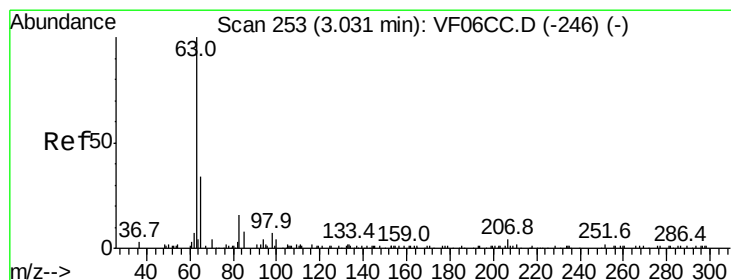
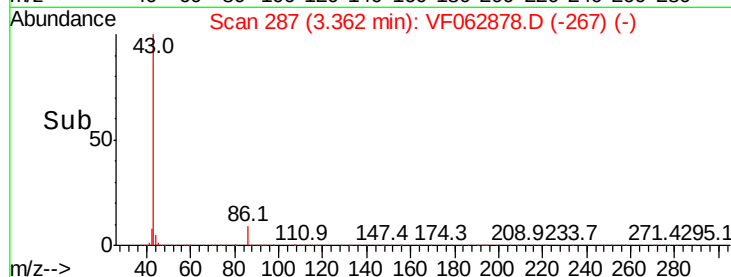
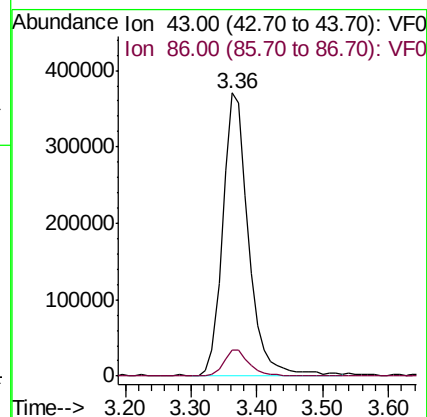
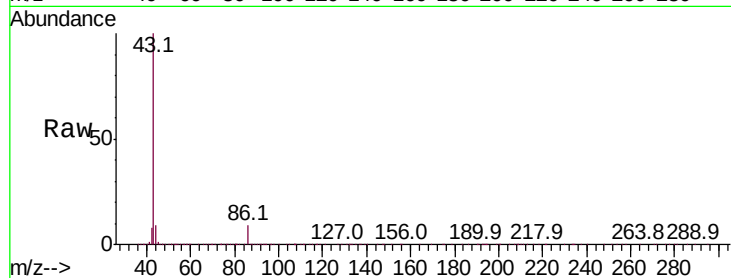
43 100

86 9.2 8.2 12.2

Manual Integrations
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MMDadoda

6/7/2019 4:04:00 PM



#24

1,1-Dichloroethane

Concen: 19.954 ug/l

RT: 3.04 min Scan# 254

Delta R.T. 0.00 min

Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

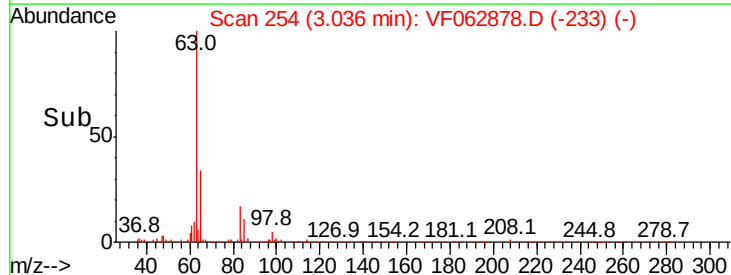
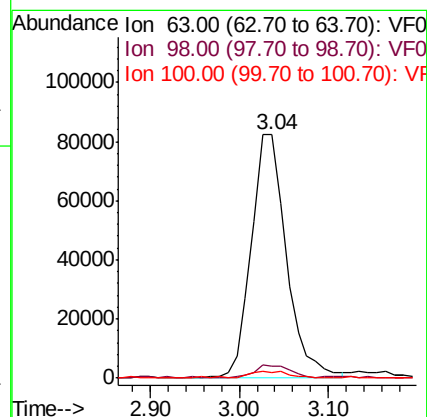
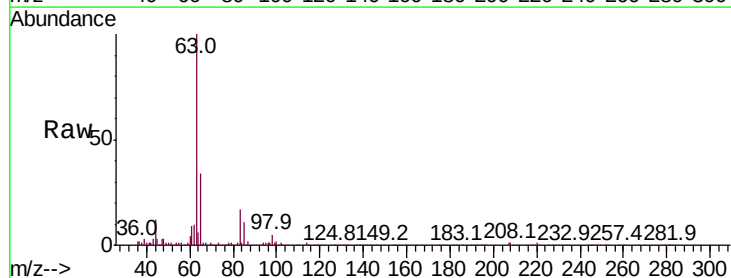
Tgt Ion: 63 Resp: 222721

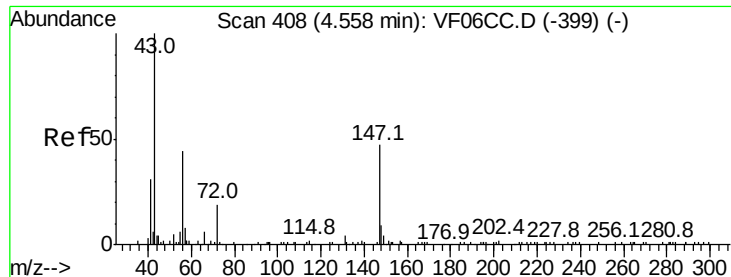
Ion Ratio Lower Upper

63 100

98 5.1 2.4 7.1

100 2.4 1.5 4.5





#25

2-Butanone

Concen: 96.824 ug/l

RT: 4.54 min Scan# 407

Delta R.T. -0.01 min

Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

VF0606SBSD01

Tot Ion: 43 Resp: 291274

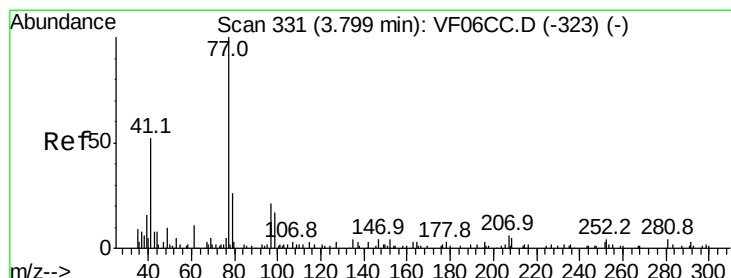
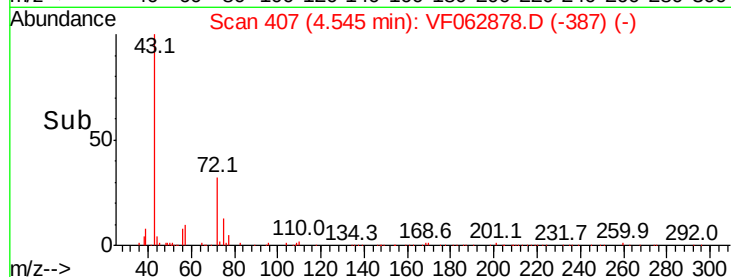
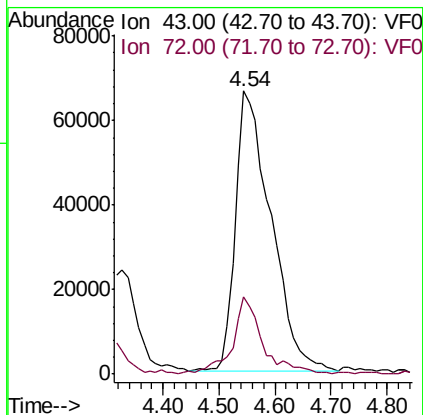
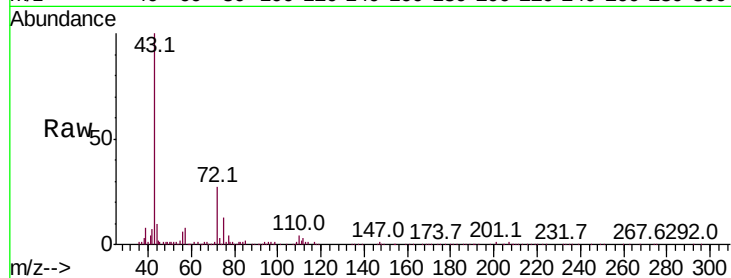
Ion Ratio Lower Upper

43 100

72 27.2 21.4 32.0

Manual Integrations
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MMDadoda
6/7/2019 4:04:00 PM



#26

2,2-Dichloropropane

Concen: 21.447 ug/l

RT: 3.81 min Scan# 332

Delta R.T. 0.00 min

Lab File: VF062878.D

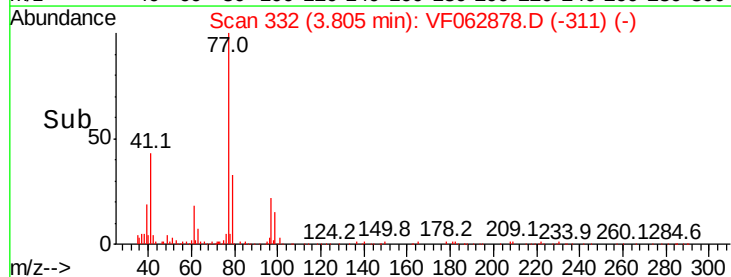
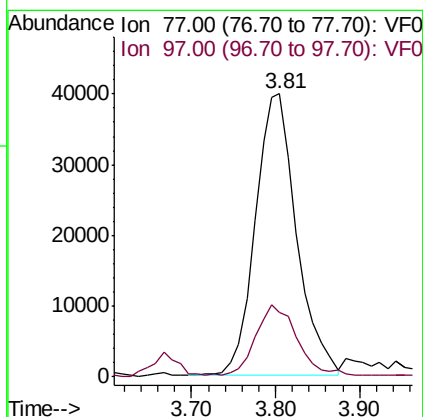
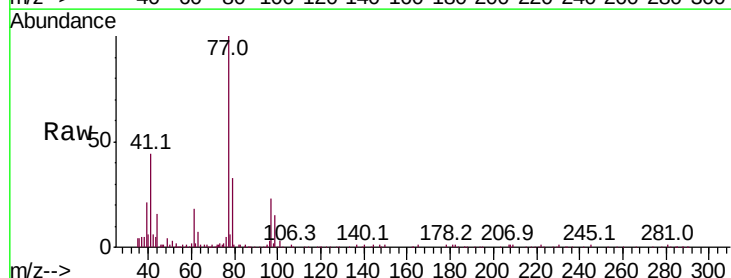
Acq: 6 Jun 2019 13:07

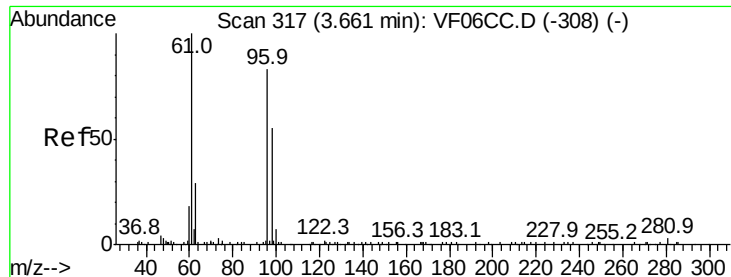
Tgt Ion: 77 Resp: 135925

Ion Ratio Lower Upper

77 100

97 22.8 12.4 37.4





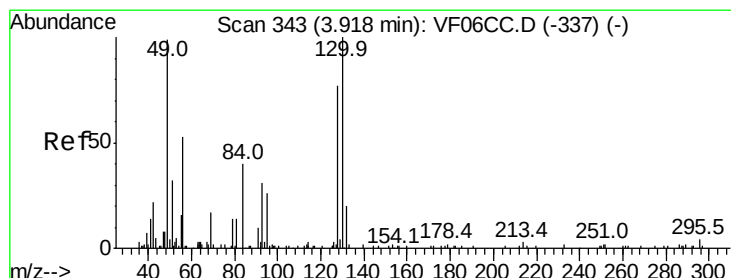
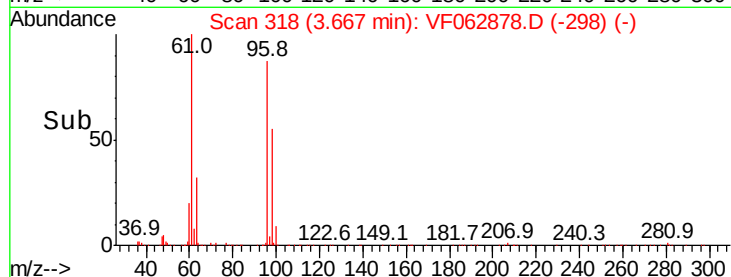
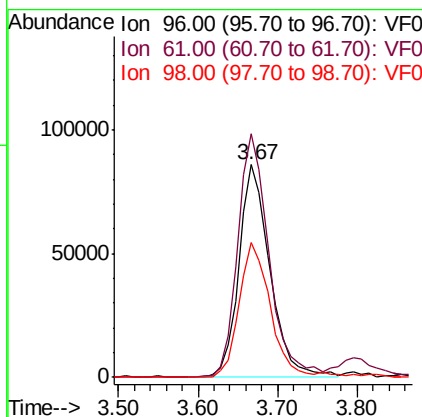
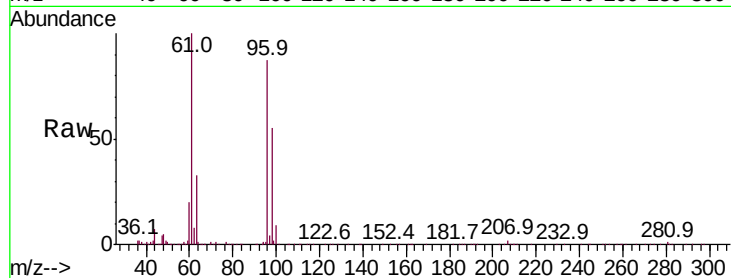
#27
cis-1,2-Dichloroethene
Concen: 20.210 ug/l
RT: 3.67 min Scan# 318
Delta R.T. -0.01 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	231023		
61	114.4	0.0	213.8	
98	63.3	0.0	127.0	

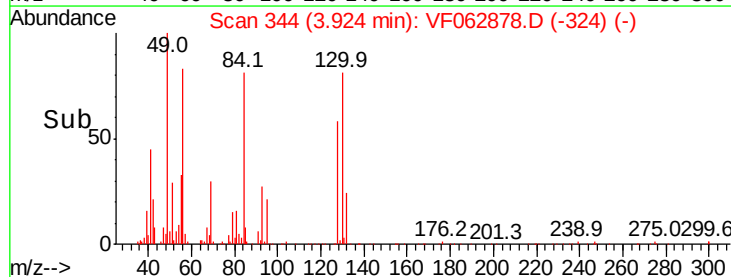
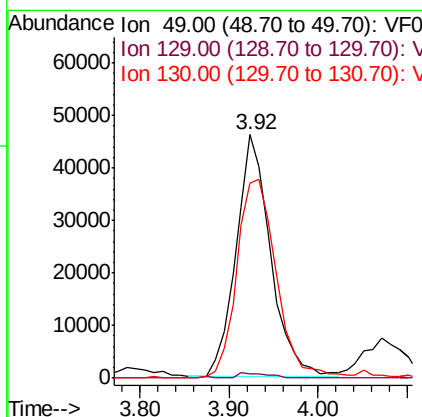
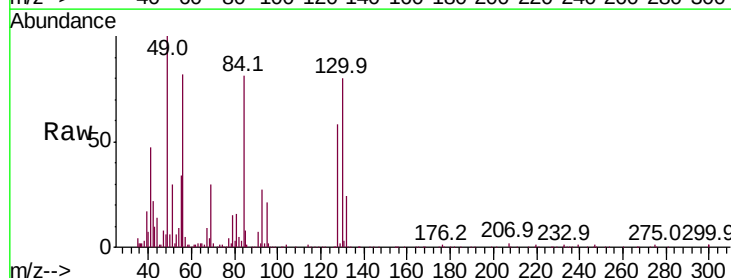
Manual Integrations
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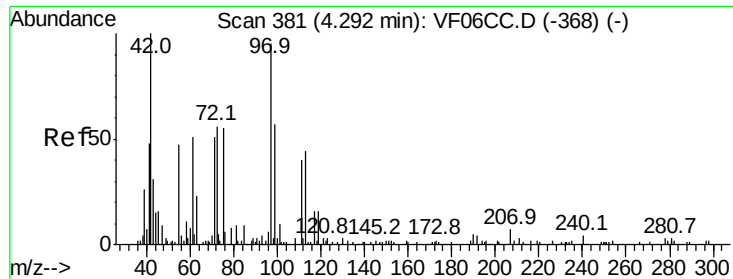
MMDadoda
6/7/2019 4:04:00 PM



#28
Bromochloromethane
Concen: 20.528 ug/l
RT: 3.92 min Scan# 344
Delta R.T. -0.01 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	124639		
129	1.9	0.0	5.4	
130	80.2	79.2	118.8	





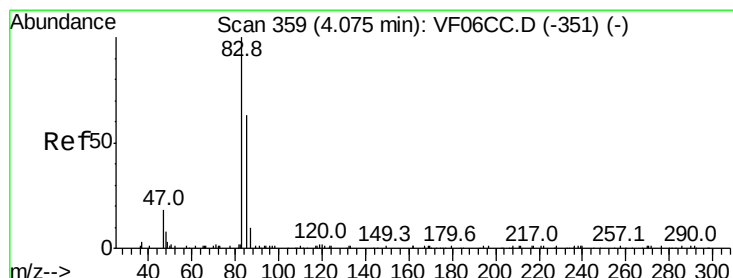
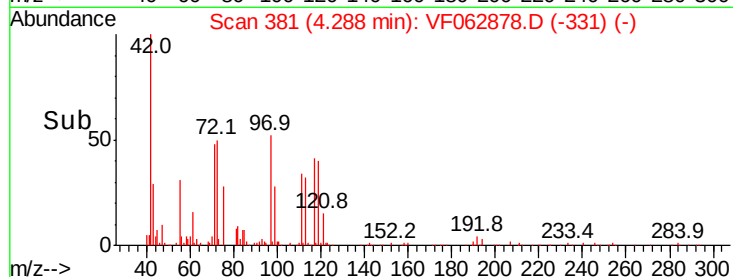
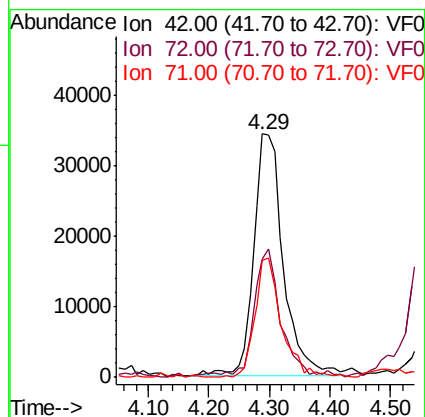
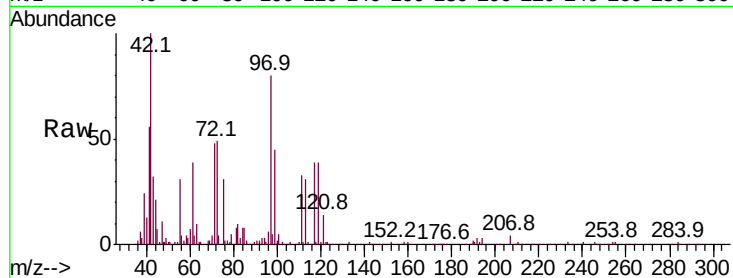
#29
Tetrahydrofuran
Concen: 101.544 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
42	100	116835		
72	46.4		39.0	58.6
71	44.6		36.9	55.3

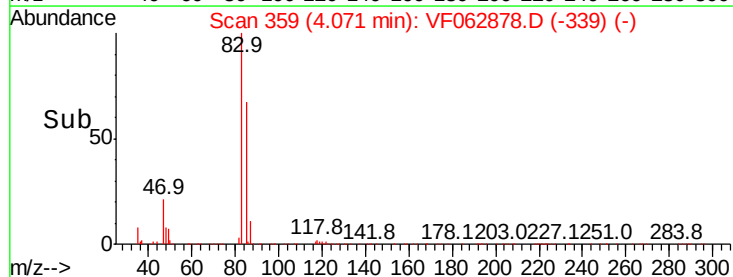
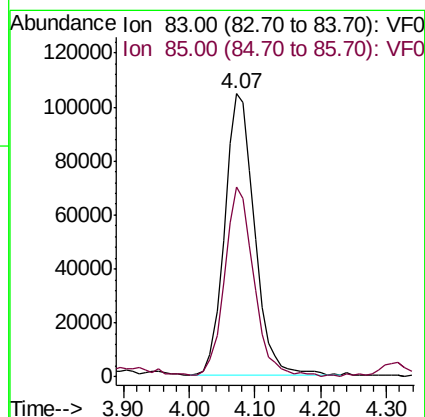
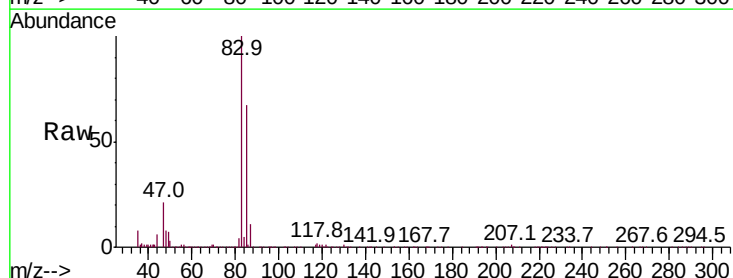
Manual Integrations
APPROVED

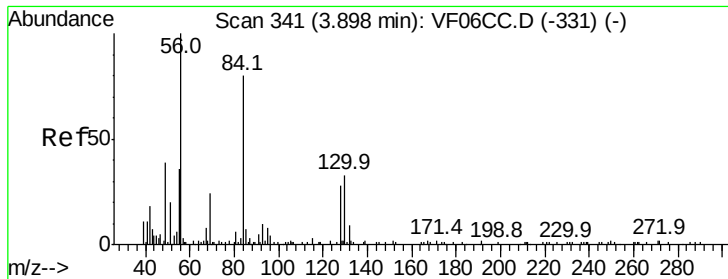
MMDadoda
6/7/2019 4:04:00 PM



#30
Chloroform
Concen: 21.106 ug/l
RT: 4.07 min Scan# 359
Delta R.T. -0.01 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	332028		
85	67.0		55.0	82.6





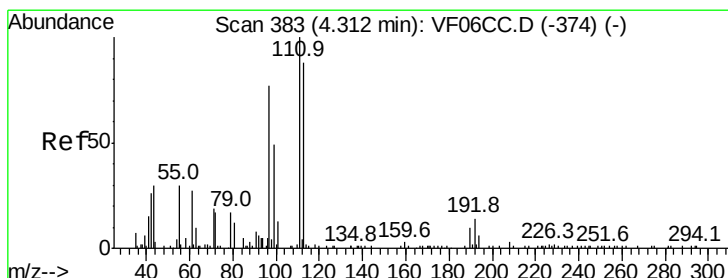
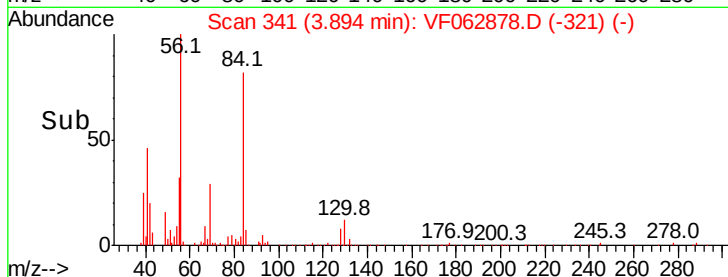
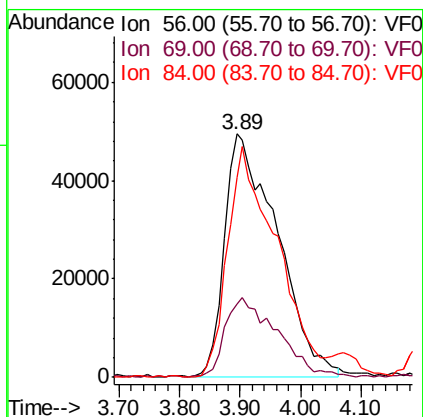
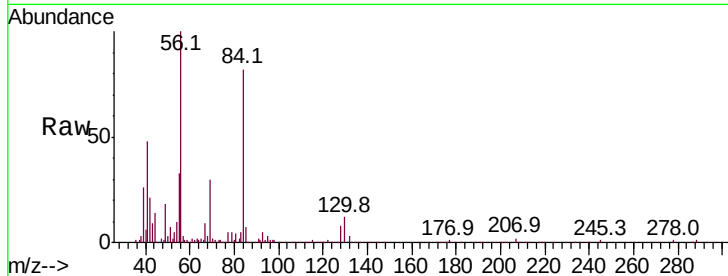
#31
Cyclohexane
Concen: 19.679 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.01 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.0	26.7	40.1
84	82.0	74.3	111.5

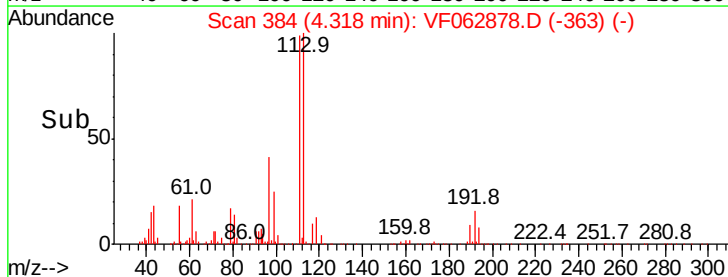
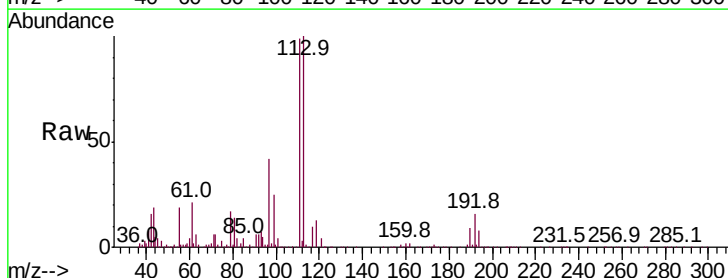
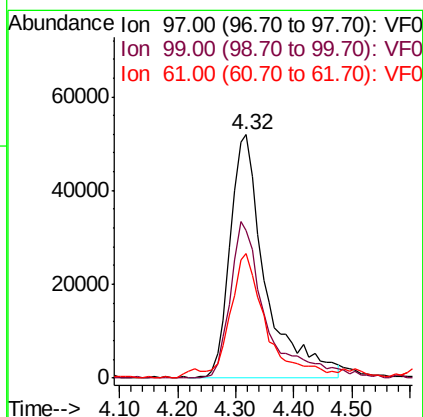
Manual Integrations
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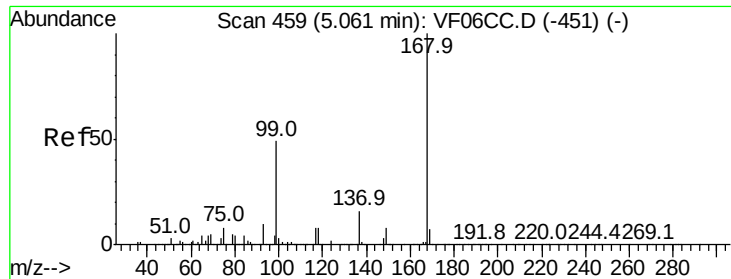
MMDadoda
6/7/2019 4:04:00 PM



#32
1,1,1-Trichloroethane
Concen: 24.080 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.00 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.6	51.7	77.5
61	51.2	38.9	58.3





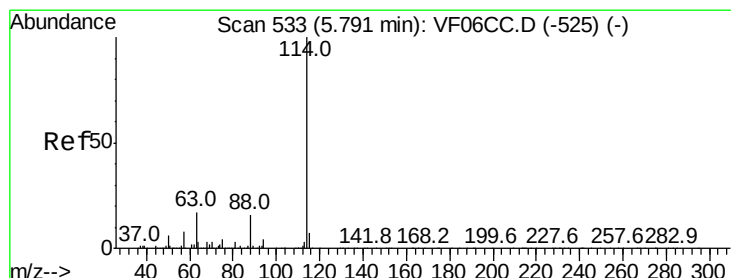
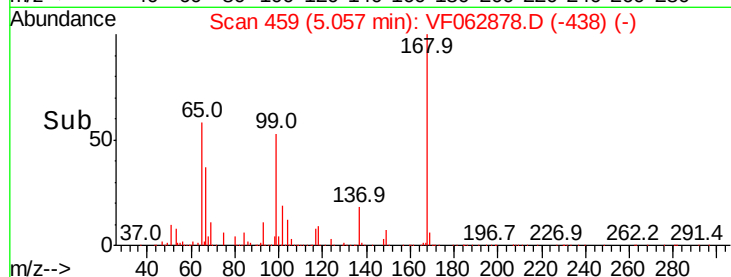
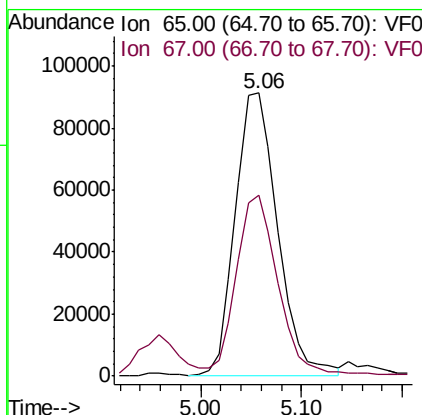
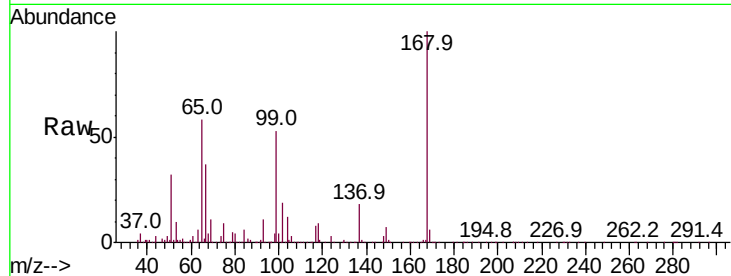
#33
 1,2-Dichloroethane-d4
 Concen: 47.474 ug/l
 RT: 5.06 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VF062878.D
 Acq: 6 Jun 2019 13:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0606SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	267941		
67	63.8	0.0	121.2	

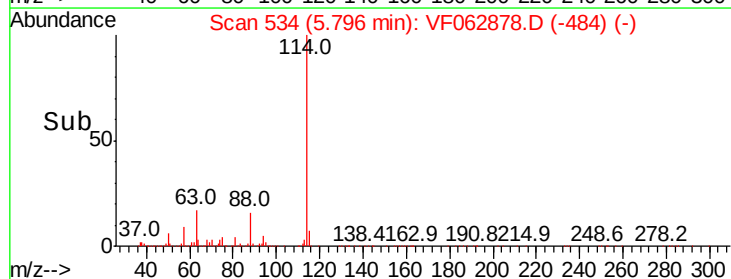
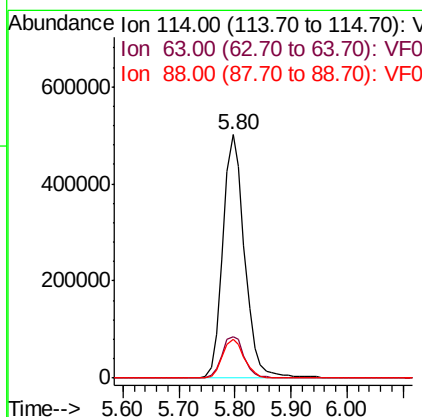
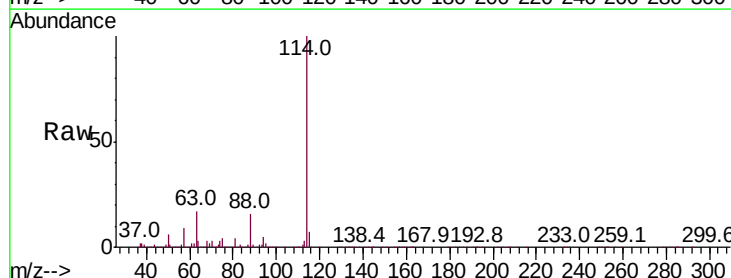
Manual Integrations
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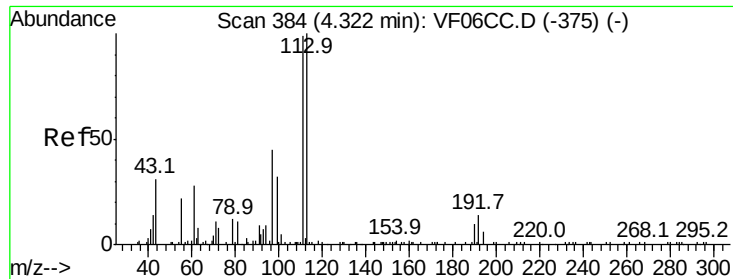
MMDadoda
 6/7/2019 4:04:00 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.80 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VF062878.D
 Acq: 6 Jun 2019 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1355300		
63	17.1	0.0	34.2	
88	16.2	0.0	31.2	





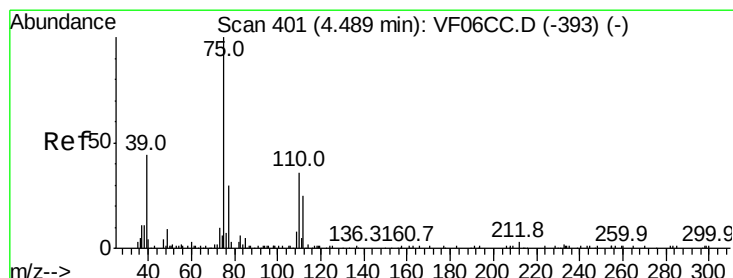
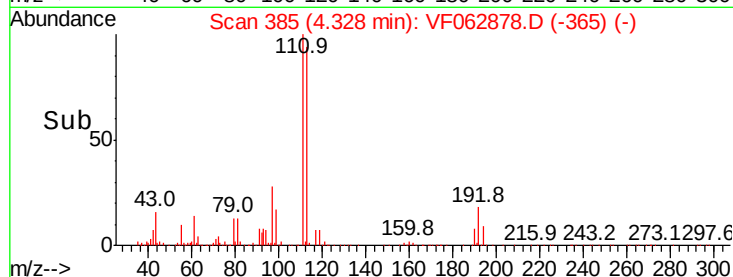
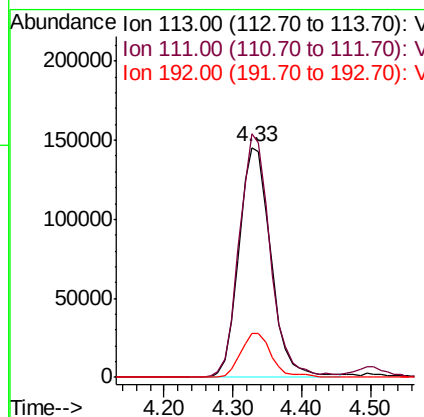
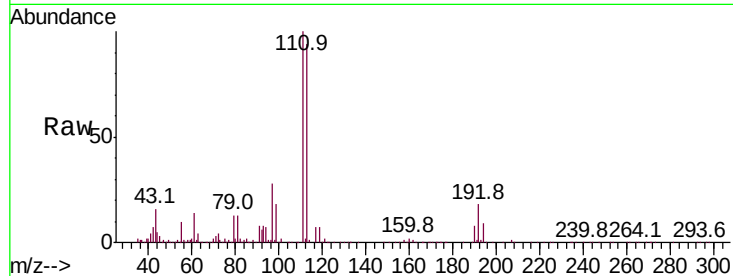
#35
 Dibromofluoromethane
 Concen: 45.769 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VF062878.D
 Acq: 6 Jun 2019 13:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0606SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	468737		
111	105.9		81.9	122.9
192	19.2		15.1	22.7

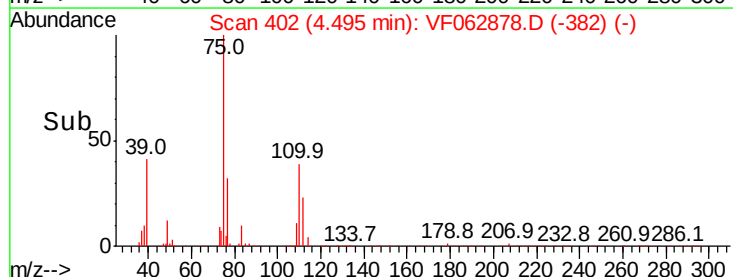
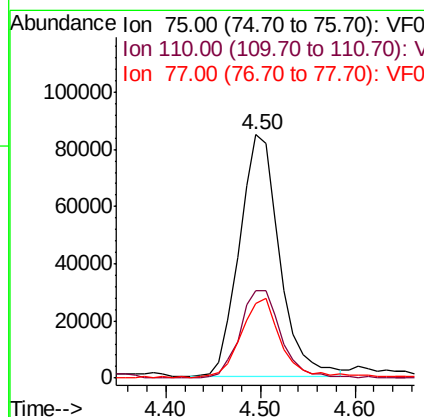
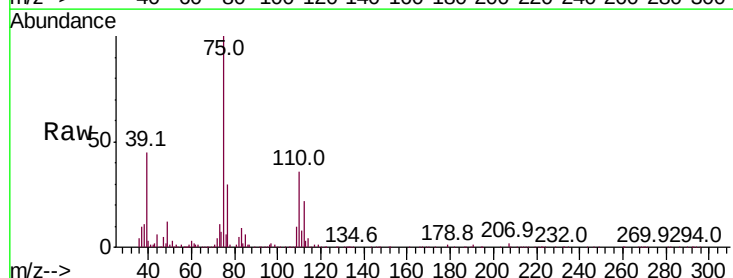
Manual Integrations
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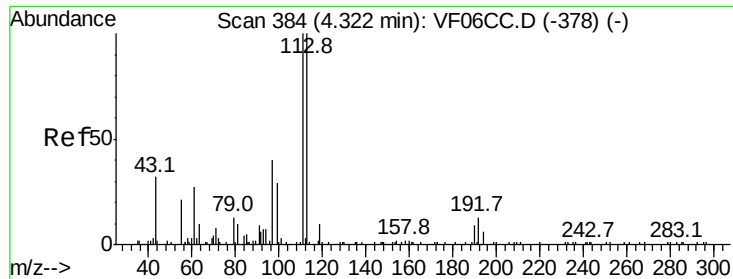
MMDadoda
 6/7/2019 4:04:00 PM



#36
 1,1-Dichloropropene
 Concen: 19.887 ug/l
 RT: 4.50 min Scan# 402
 Delta R.T. -0.01 min
 Lab File: VF062878.D
 Acq: 6 Jun 2019 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	248128		
110	35.9		19.4	58.1
77	30.4		25.4	38.2





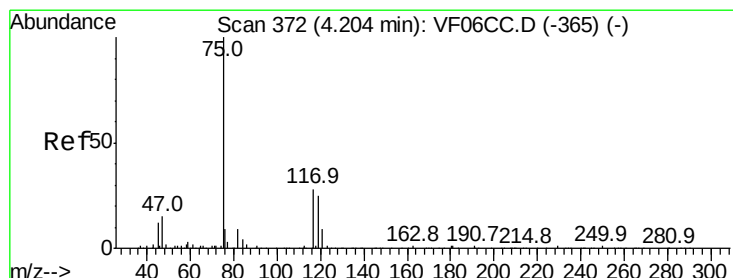
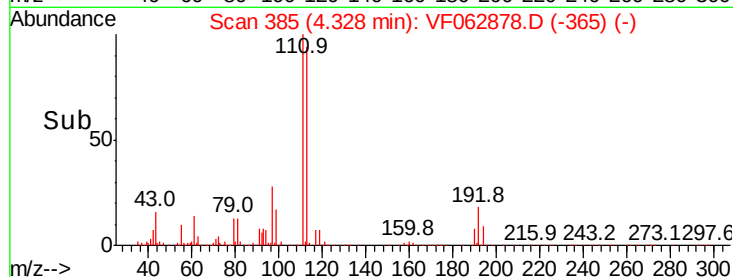
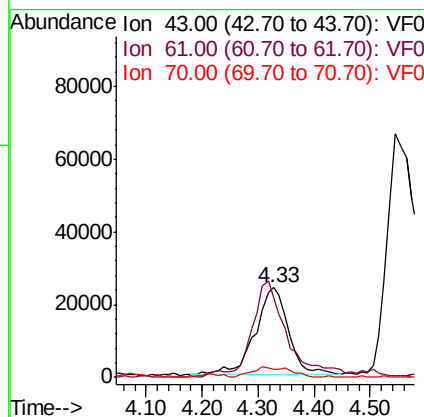
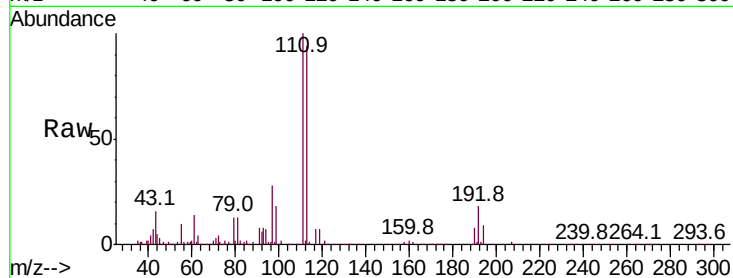
#37
Ethyl Acetate
Concen: 20.606 ug/l
RT: 4.33 min Scan# 385
Delta R.T. -0.01 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	89.2	59.1	88.7#
70	9.4	10.1	15.1#

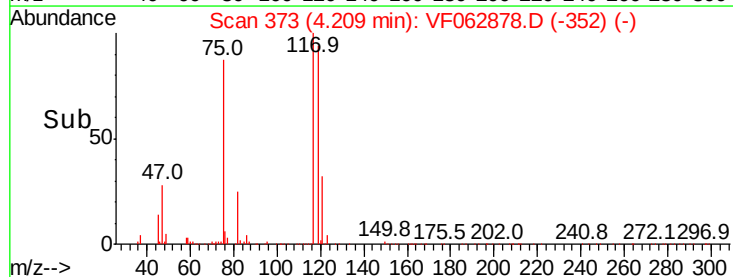
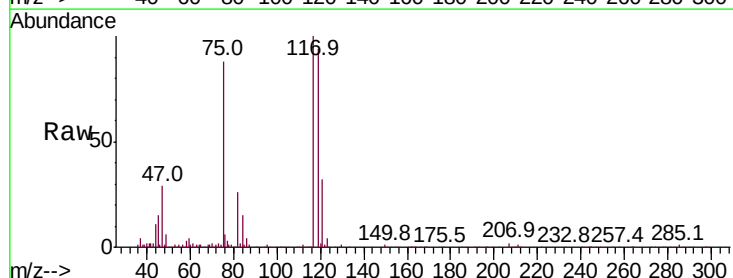
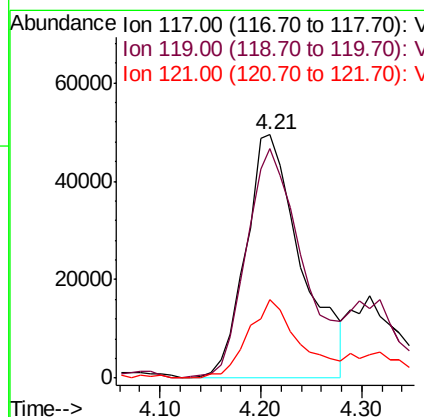
Manual Integrations
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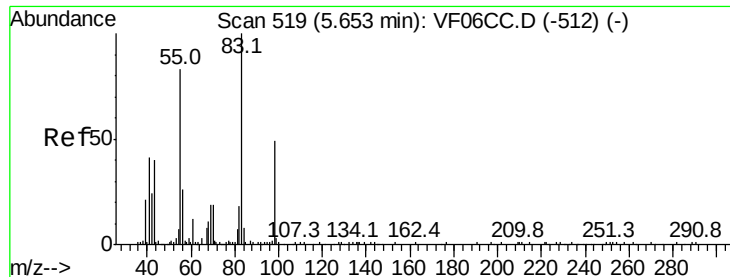
MMDadoda
6/7/2019 4:04:00 PM



#38
Carbon Tetrachloride
Concen: 22.485 ug/l
RT: 4.21 min Scan# 373
Delta R.T. 0.00 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	78.2	117.2
121	32.4	28.2	42.2





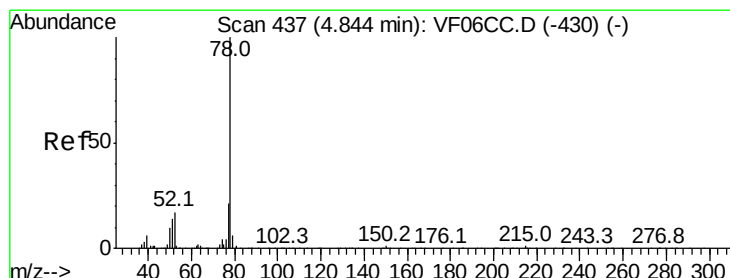
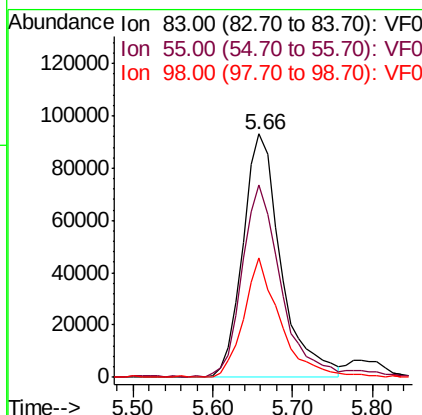
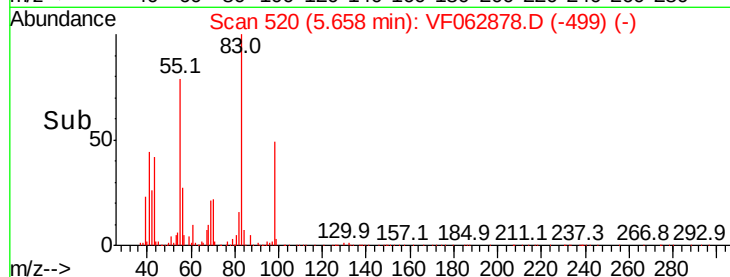
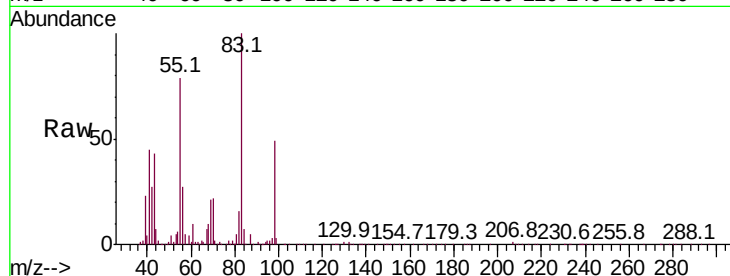
#39
Methylvlcyclohexane
Concen: 19.848 ug/l
RT: 5.66 min Scan# 520
Delta R.T. 0.00 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBSD01

Tot Ion	83	Resp	308215
Ion	Ratio	Lower	Upper
83	100		
55	79.2	61.6	92.4
98	49.0	37.4	56.2

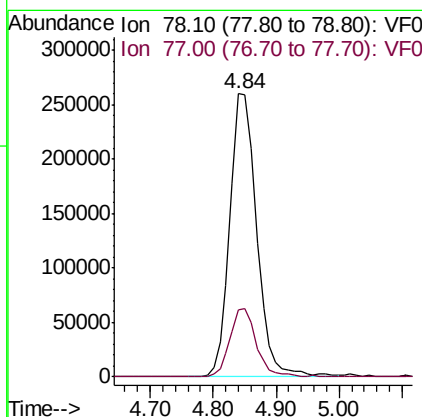
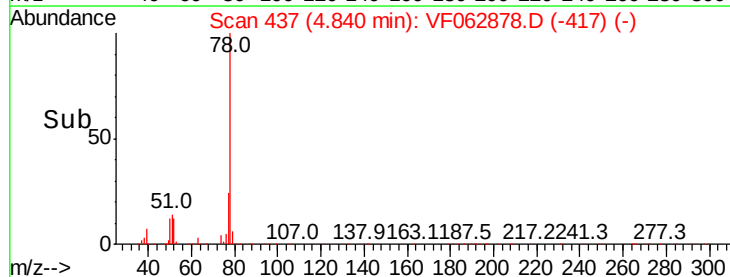
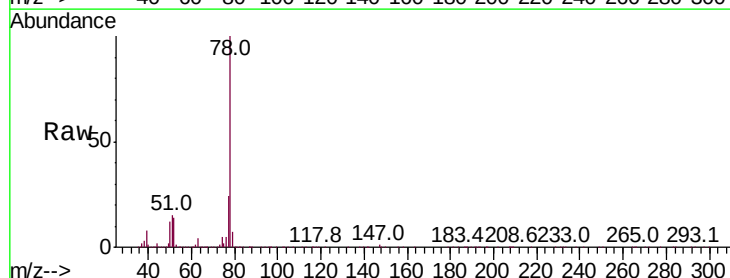
Manual Integrations
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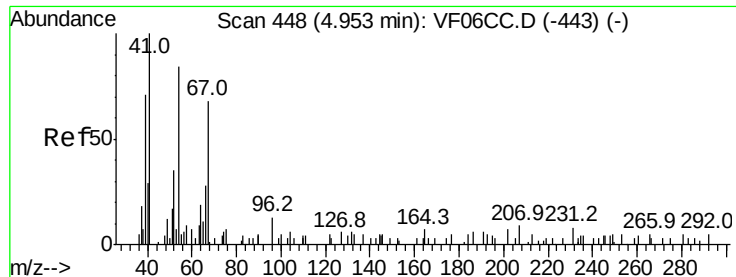
MMDadoda
6/7/2019 4:04:00 PM



#40
Benzene
Concen: 21.161 ug/l
RT: 4.84 min Scan# 437
Delta R.T. -0.01 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Tgt Ion	78	Resp	768398
Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.9	28.3





#41

Methacrylonitrile

Concen: 18.740 ug/l

RT: 4.95 min Scan# 448

Delta R.T. -0.01 min

Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

Instrument :

MSVOA_F

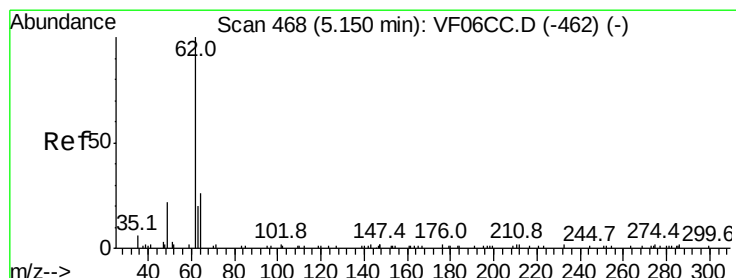
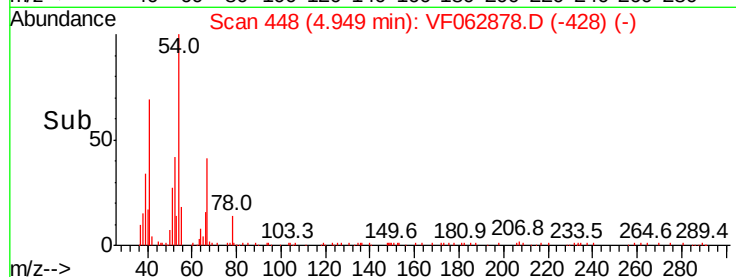
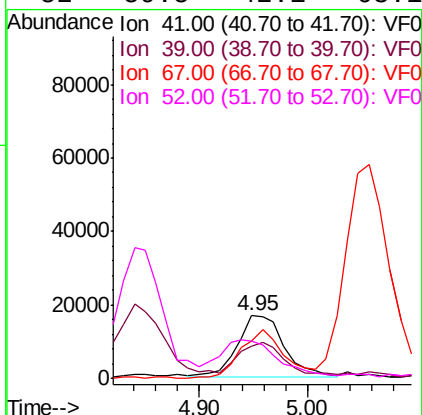
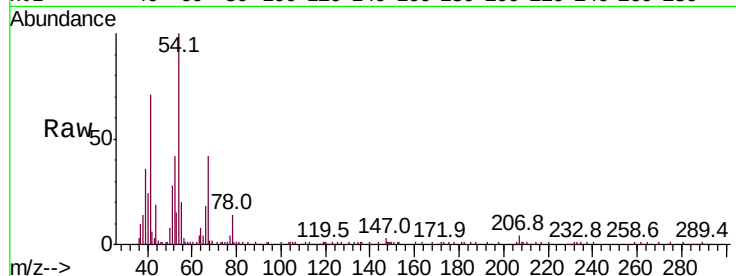
ClientSampleId :

VF0606SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		49689		
39	50.9	42.0	63.0		
67	59.1	61.4	92.0		
52	59.5	42.1	63.1		

Manual Integrations
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6/7/2019 4:04:00 PM



#42

1,2-Dichloroethane

Concen: 21.009 ug/l

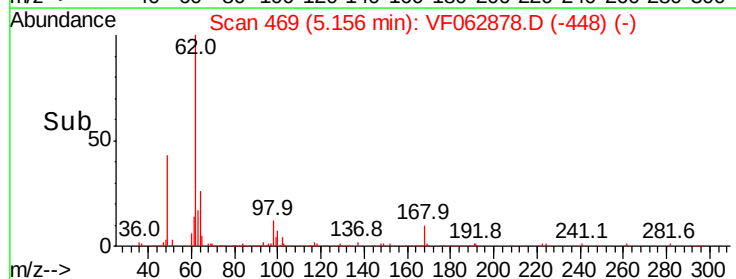
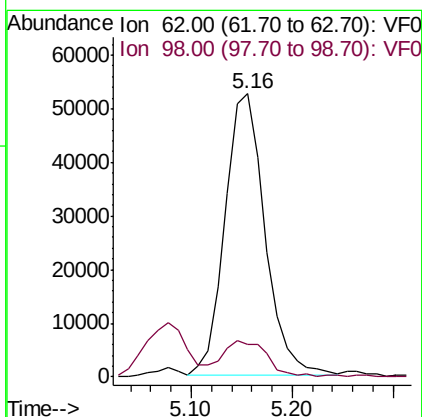
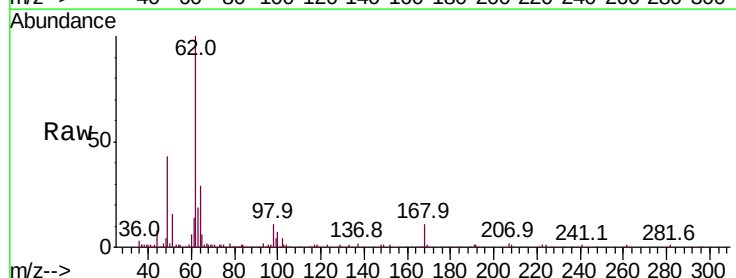
RT: 5.16 min Scan# 469

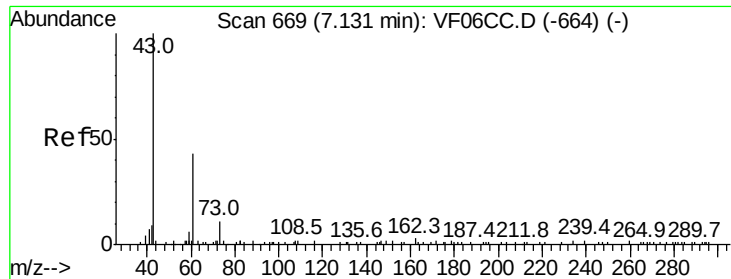
Delta R.T. 0.00 min

Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		145092		
98	11.4	0.0	24.0		





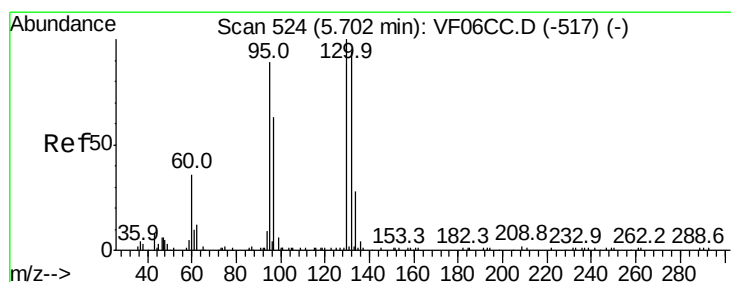
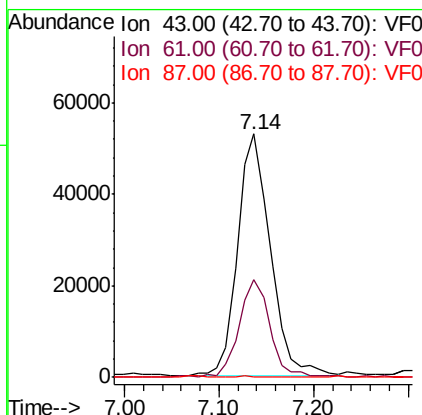
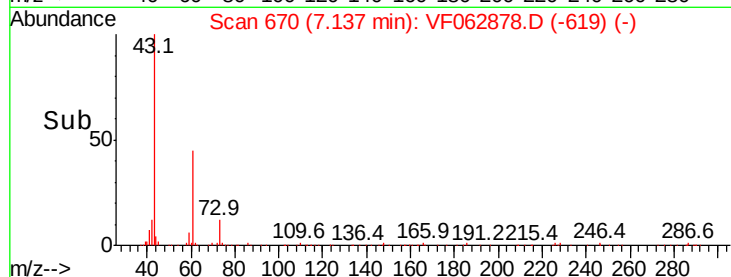
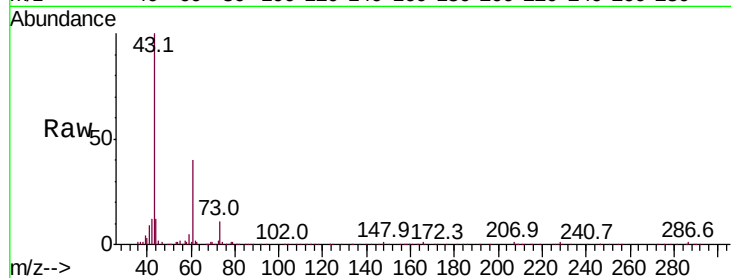
#43
Isopropyl Acetate
Concen: 20.257 ug/l
RT: 7.14 min Scan# 670
Delta R.T. 0.00 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	40.1	29.8	44.6
87	0.4	0.3	0.5

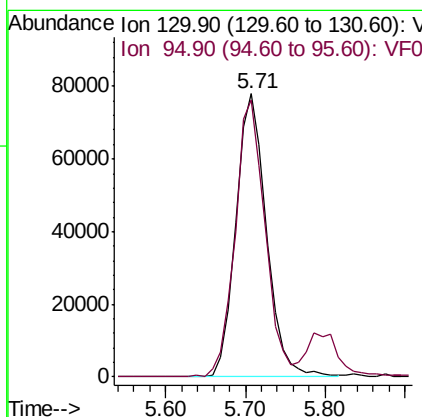
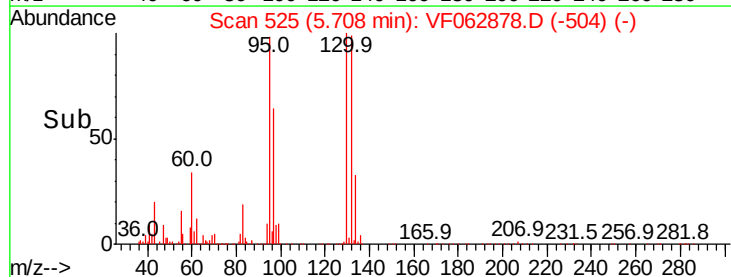
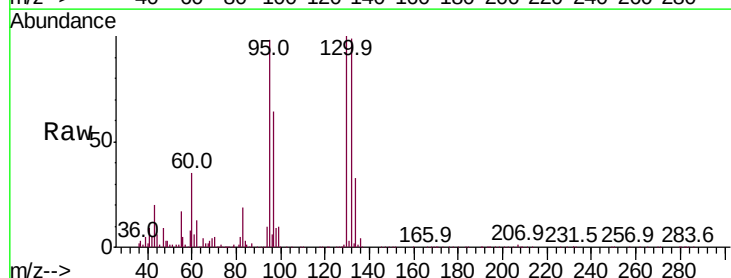
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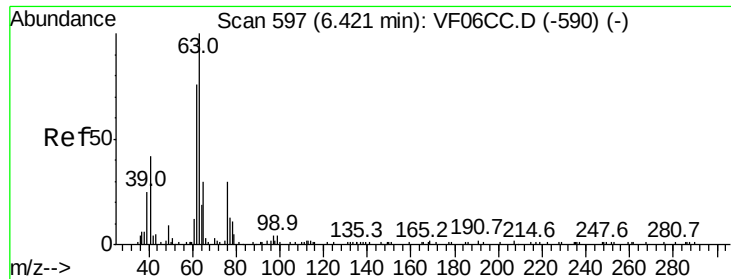
MMDadoda
6/7/2019 4:04:00 PM



#44
Trichloroethene
Concen: 20.176 ug/l
RT: 5.71 min Scan# 525
Delta R.T. 0.00 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	188.2





#45

1,2-Dichloropropane

Concen: 20.749 ug/l

RT: 6.43 min Scan# 598

Delta R.T. -0.01 min

Lab File: VF062878.D

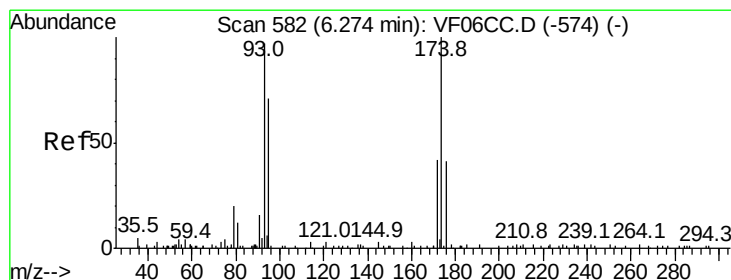
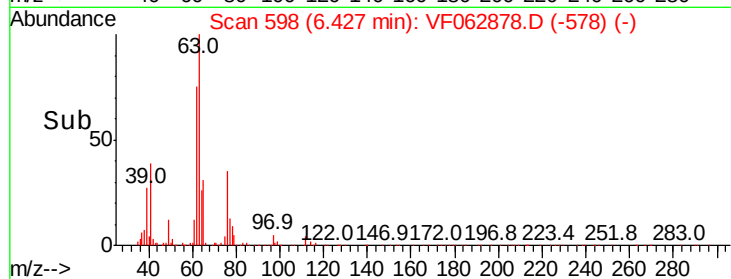
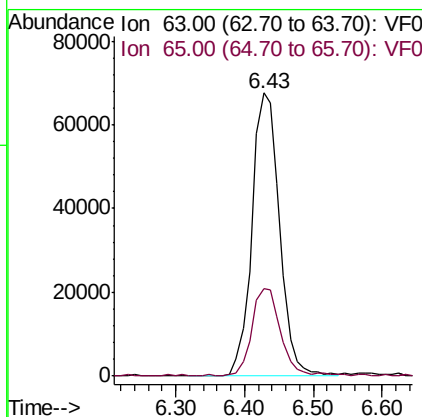
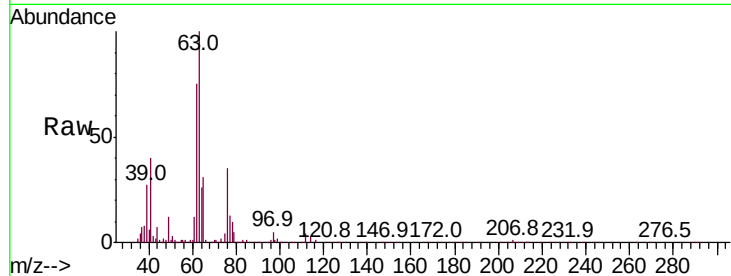
Acq: 6 Jun 2019 13:07

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.2	36.2

Manual Integrations
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#46

Dibromomethane

Concen: 20.097 ug/l

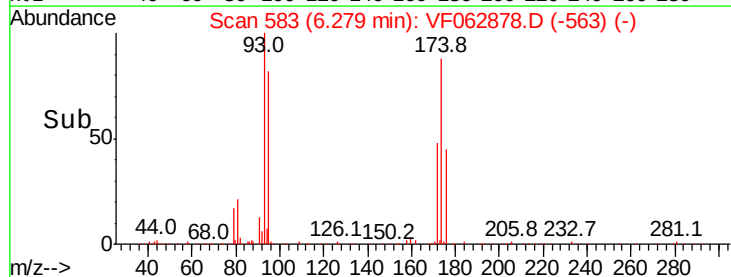
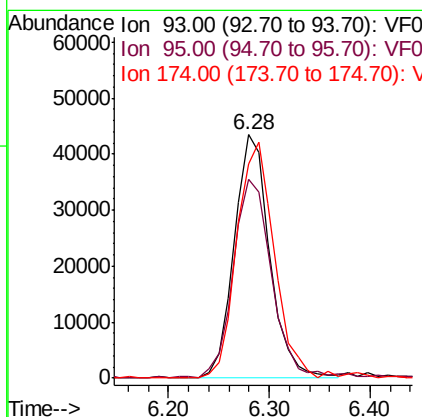
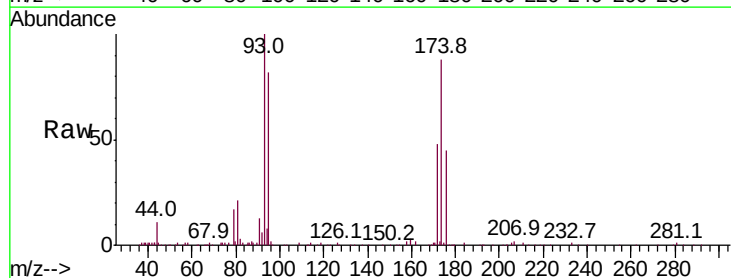
RT: 6.28 min Scan# 583

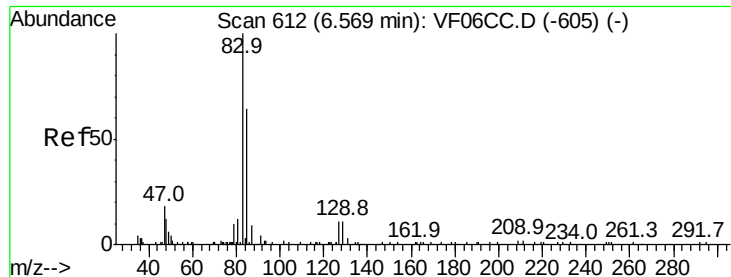
Delta R.T. -0.01 min

Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.9	67.9	101.9
174	87.7	85.0	127.4





#47

Bromodichloromethane

Concen: 20.918 ug/l

RT: 6.58 min Scan# 613

Delta R.T. -0.01 min

Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

Instrument :

MSVOA_F

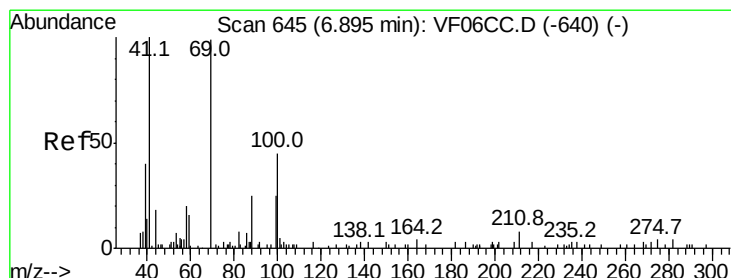
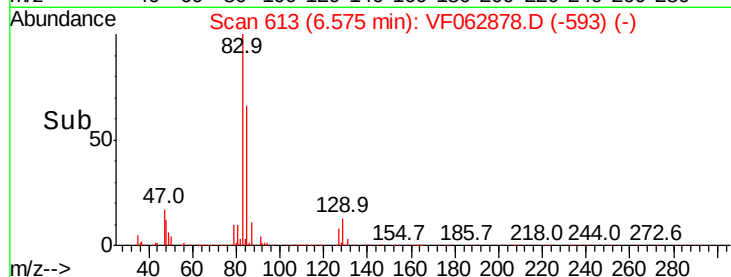
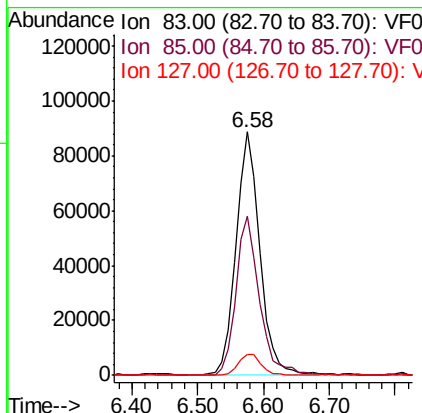
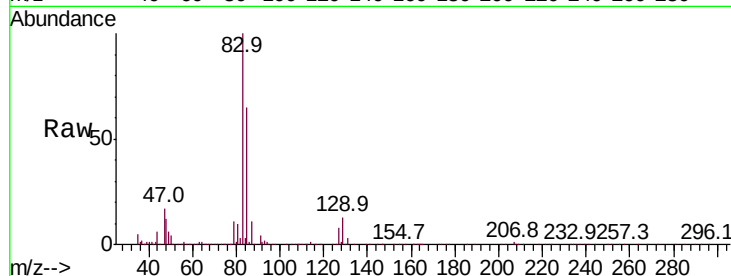
ClientSampleId :

VF0606SBSD01

Tot Ion:	83	Resp:	226644
Ion Ratio	Lower	Upper	
83	100		
85	65.3	54.2	81.4
127	8.4	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.287 ug/l

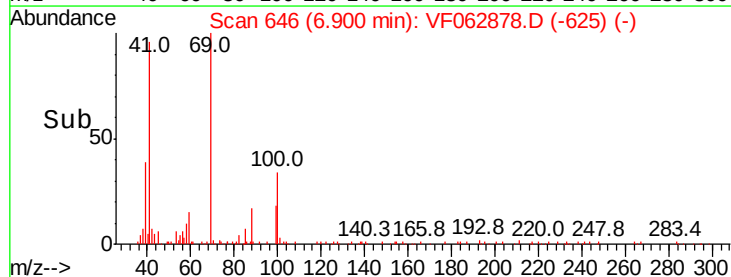
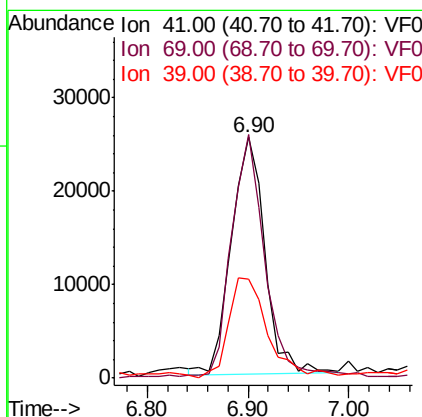
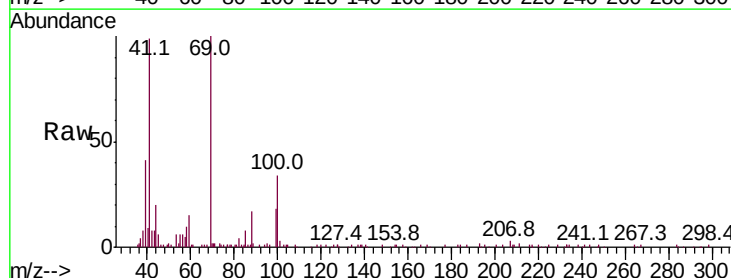
RT: 6.90 min Scan# 646

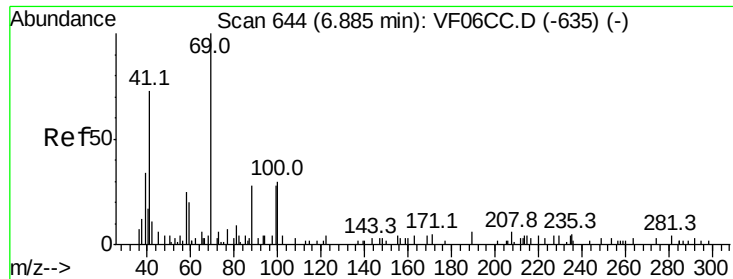
Delta R.T. 0.00 min

Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

Tgt Ion:	41	Resp:	59377
Ion Ratio	Lower	Upper	
41	100		
69	101.1	79.4	119.2
39	41.3	39.8	59.6





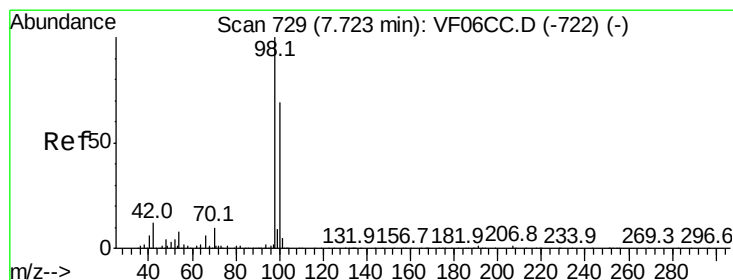
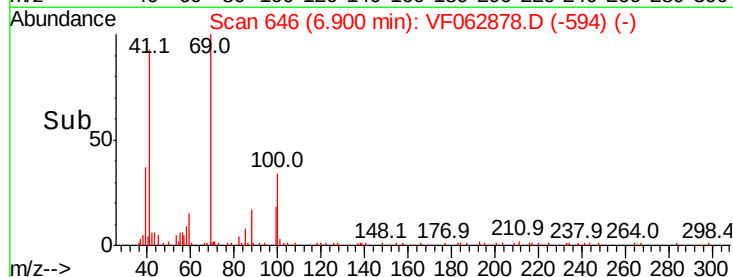
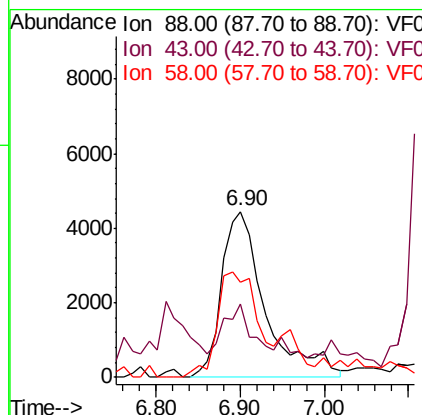
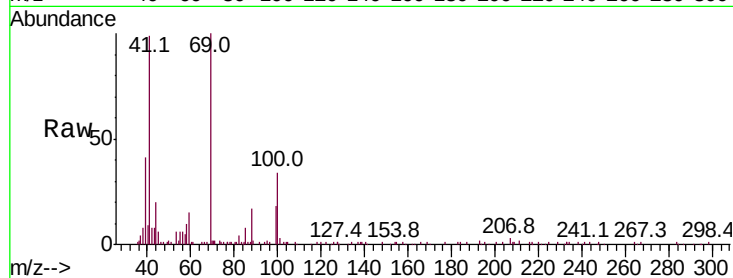
#49
1,4-Dioxane
Concen: 374.279 ug/l
RT: 6.90 min Scan# 646
Delta R.T. 0.01 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.2	34.8	52.2
58	57.4	59.9	89.9#

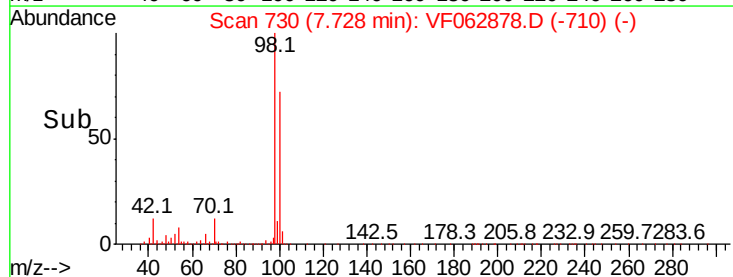
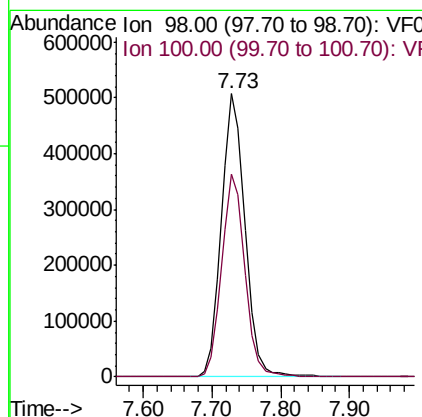
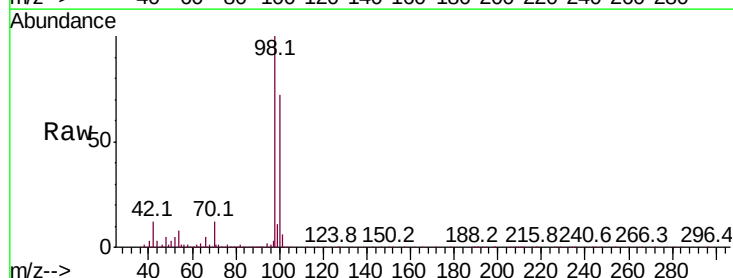
Manual Integrations
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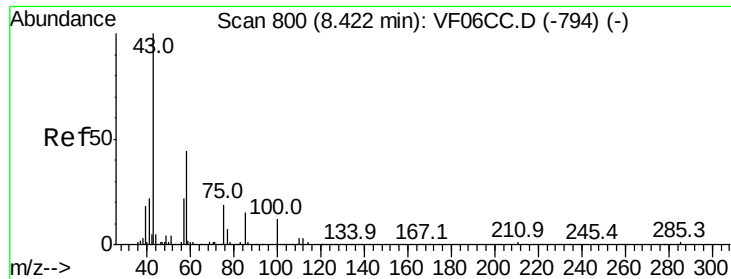
MMDadoda
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#50
Toluene-d8
Concen: 46.608 ug/l
RT: 7.73 min Scan# 730
Delta R.T. -0.01 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	71.7	59.8	89.8





#51

4-Methyl-2-Pentanone

Concen: 107.121 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

VF0606SBSD01

Tot Ion: 43 Resp: 481849

Ion Ratio Lower Upper

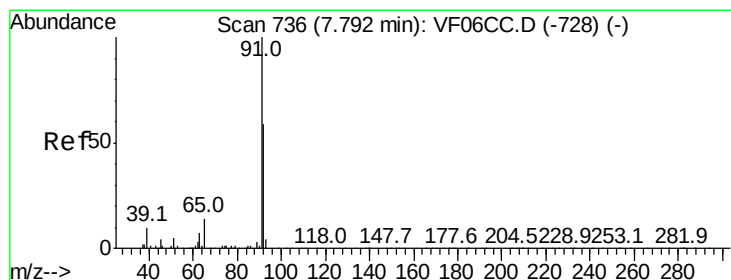
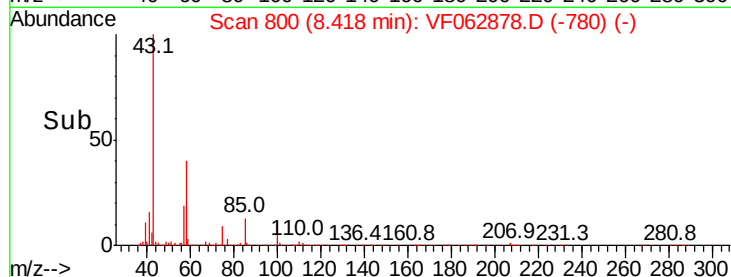
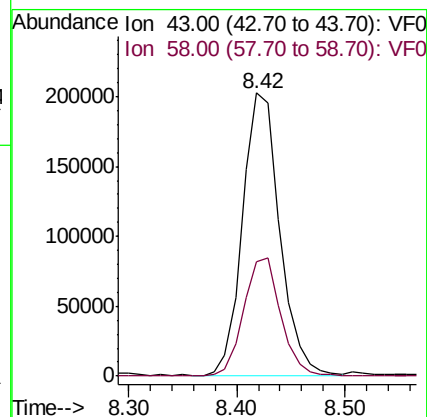
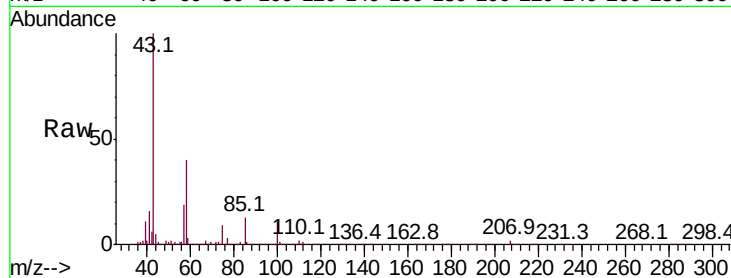
43 100

58 40.3 35.5 53.3

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#52

Toluene

Concen: 20.563 ug/l

RT: 7.80 min Scan# 737

Delta R.T. -0.01 min

Lab File: VF062878.D

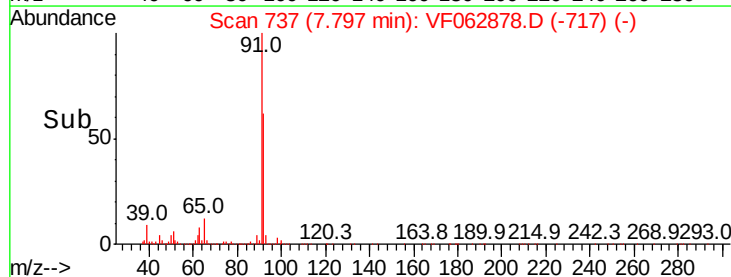
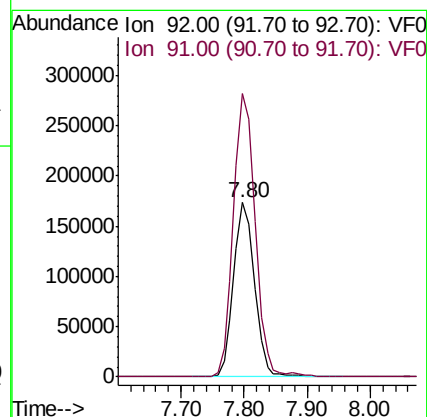
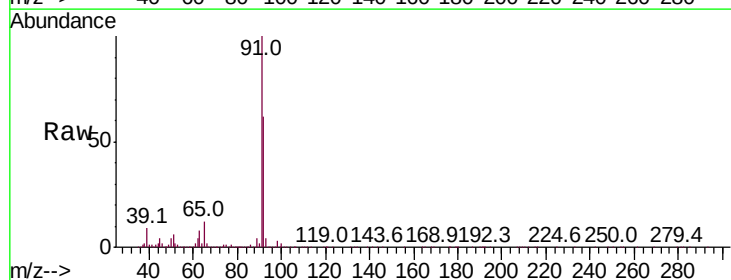
Acq: 6 Jun 2019 13:07

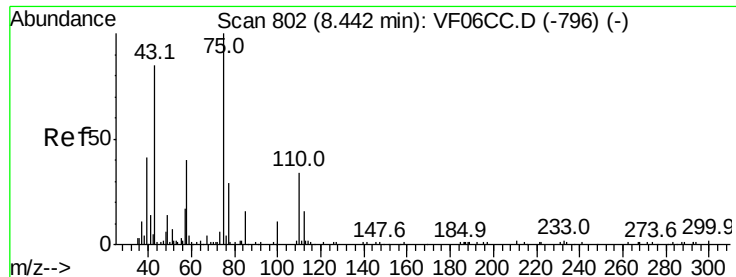
Tgt Ion: 92 Resp: 402176

Ion Ratio Lower Upper

92 100

91 162.4 123.2 184.8





#53

t-1,3-Dichloropropene

Concen: 20.576 ug/l

RT: 8.44 min Scan# 802

Delta R.T. -0.01 min

Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

VF0606SBSD01

Tot Ion: 75 Resp: 184738

Ion Ratio Lower Upper

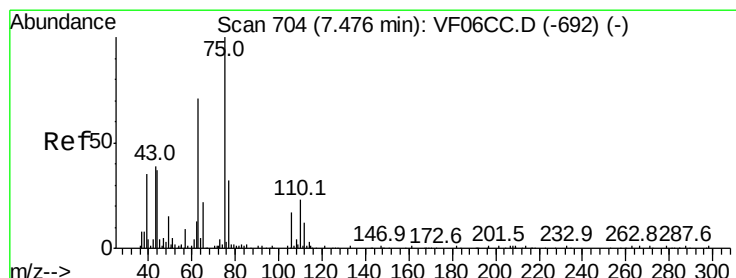
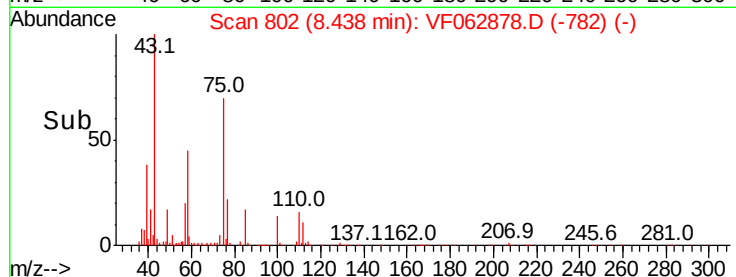
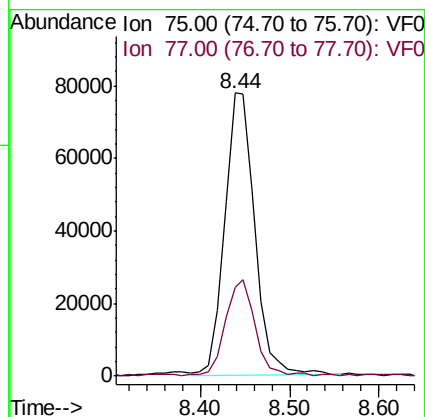
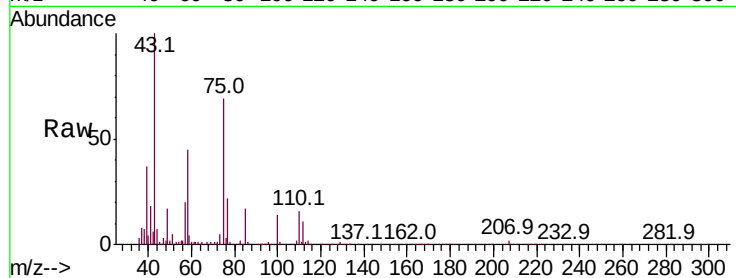
75 100

77 31.6 25.7 38.5

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 20.654 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.00 min

Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

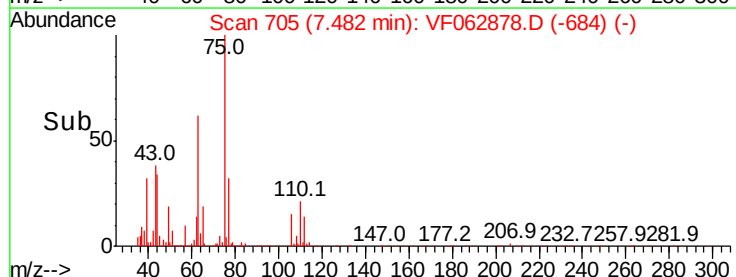
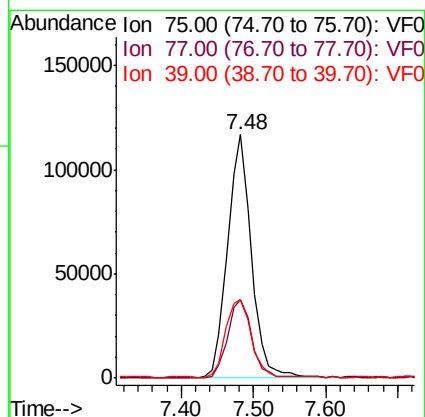
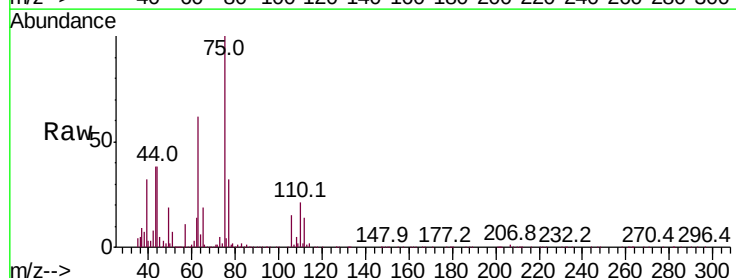
Tgt Ion: 75 Resp: 268431

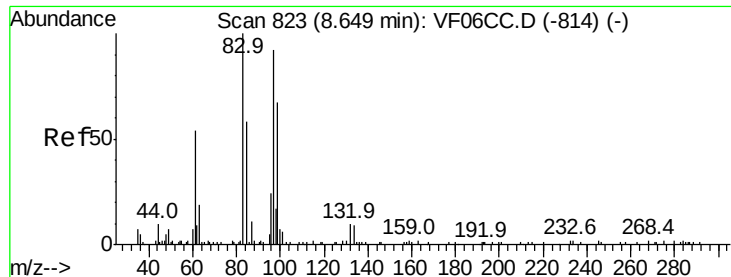
Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.8

39 32.3 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 20.530 ug/l

RT: 8.66 min Scan# 824

Delta R.T. 0.00 min

Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

Instrument :

MSVOA_F

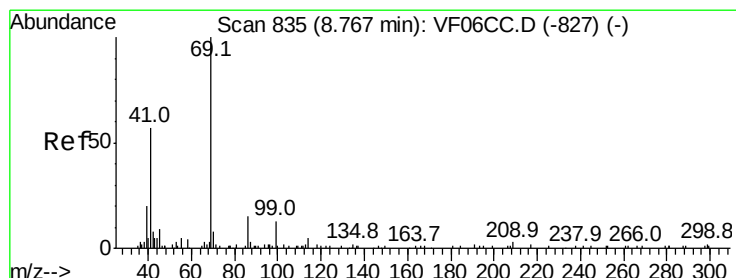
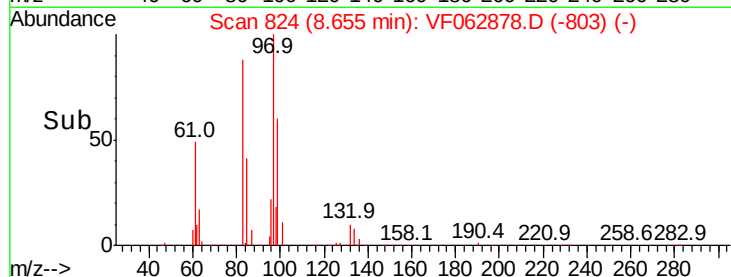
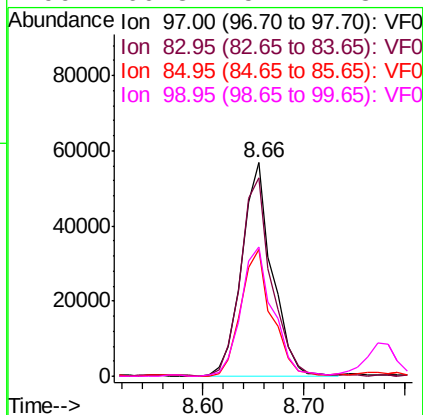
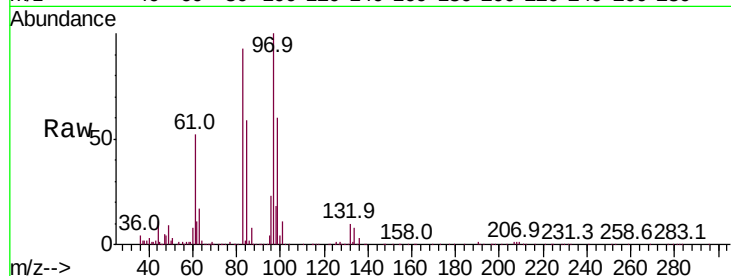
ClientSampleId :

VF0606SBSD01

Tot Ion:	97	Resp:	119957
Ion	Ratio	Lower	Upper
97	100		
83	93.0	72.0	108.0
85	59.2	47.5	71.3
99	60.3	54.1	81.1

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#56

Ethyl methacrylate

Concen: 21.207 ug/l

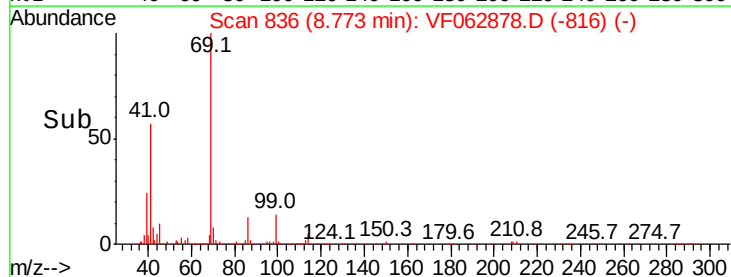
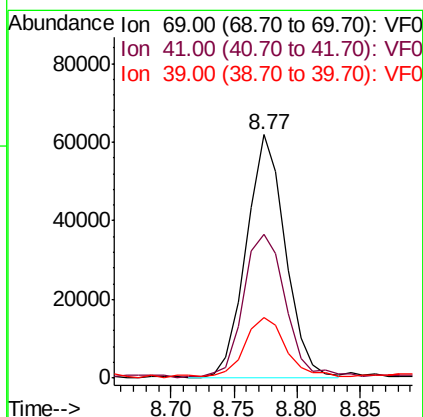
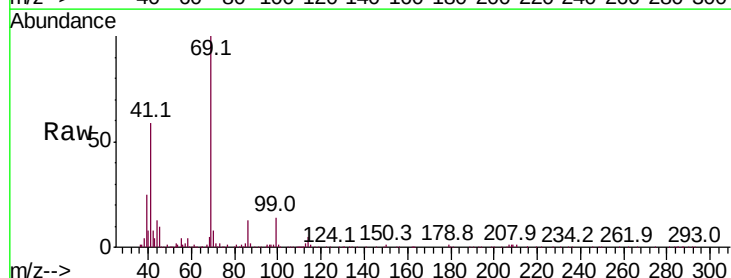
RT: 8.77 min Scan# 836

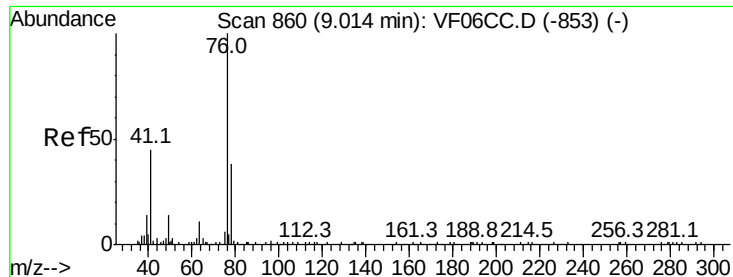
Delta R.T. -0.01 min

Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

Tgt Ion:	69	Resp:	132956
Ion	Ratio	Lower	Upper
69	100		
41	59.1	46.6	69.8
39	25.1	19.6	29.4





#57

1,3-Dichloropropane

Concen: 23.871 ug/l

RT: 9.01 min Scan# 860

Delta R.T. -0.01 min

Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

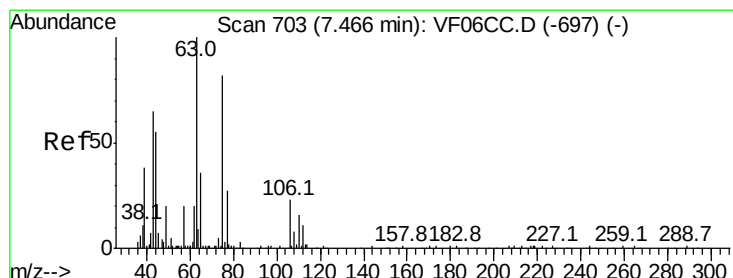
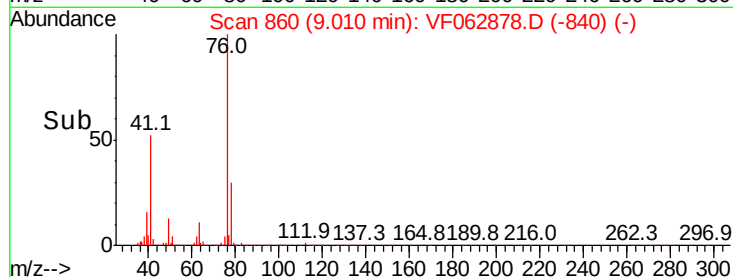
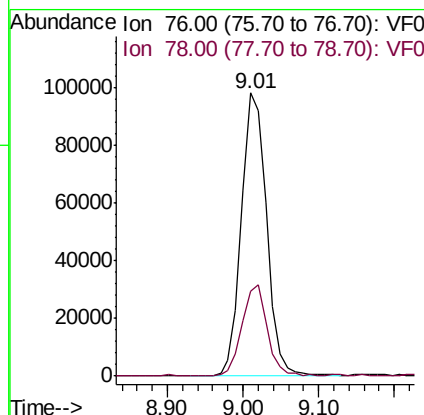
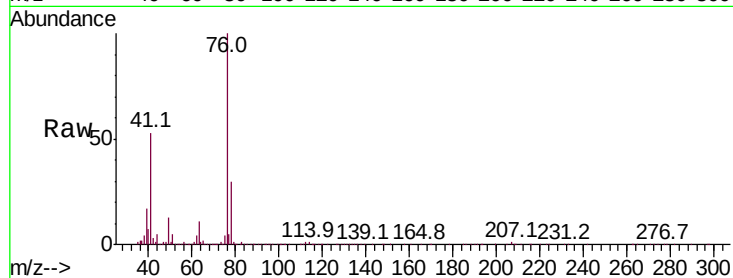
Instrument :
MSVOA_F
ClientSampleId :
VF0606SBSD01

Tot Ion: 76 Resp: 227765

Ion	Ratio	Lower	Upper
76	100		
78	30.0	26.8	40.2

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 106.772 ug/l

RT: 7.47 min Scan# 704

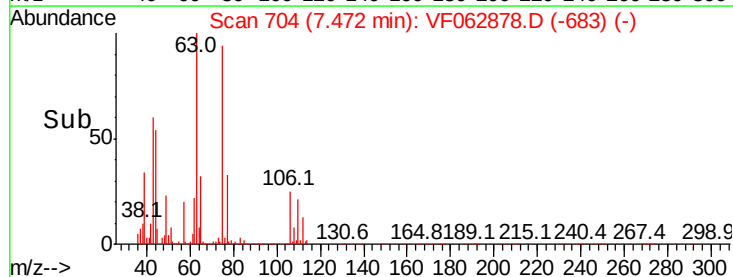
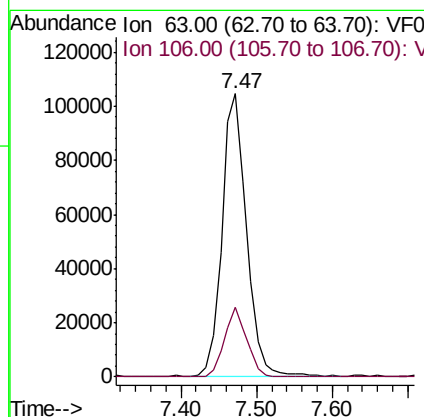
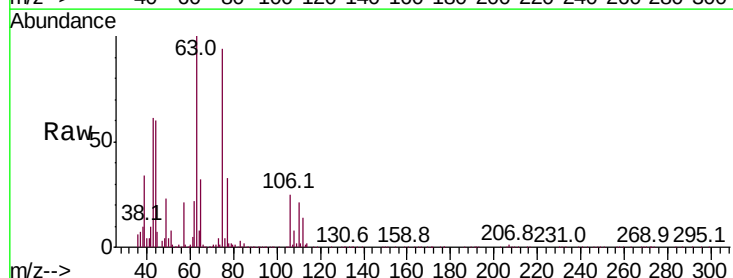
Delta R.T. 0.00 min

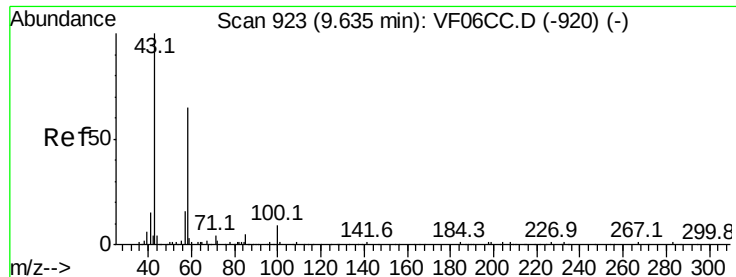
Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

Tgt Ion: 63 Resp: 233942

Ion	Ratio	Lower	Upper
63	100		
106	24.8	19.5	29.3





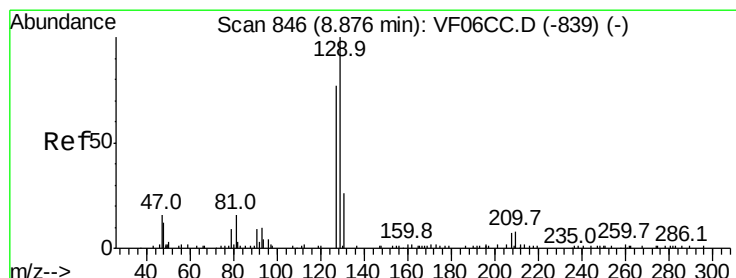
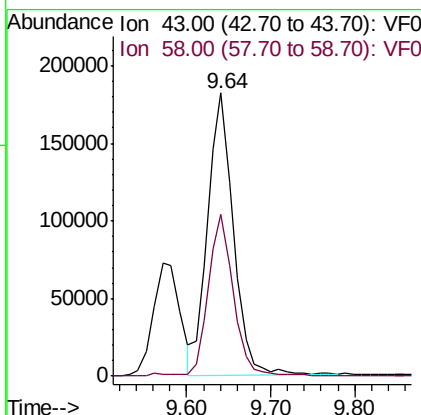
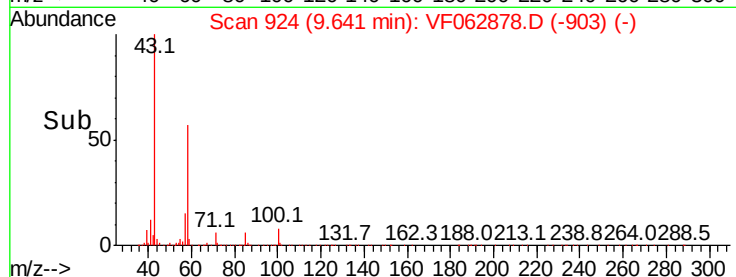
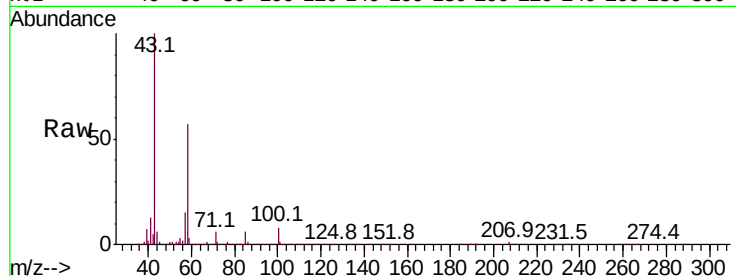
#59
2-Hexanone
Concen: 120.120 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.9	29.3	87.9

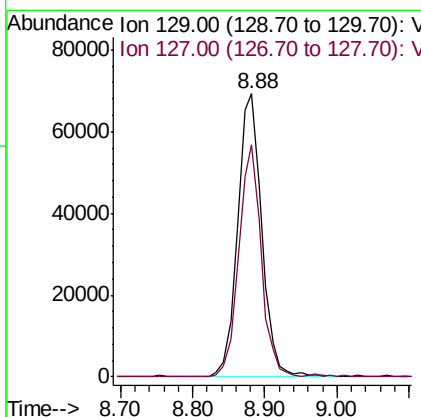
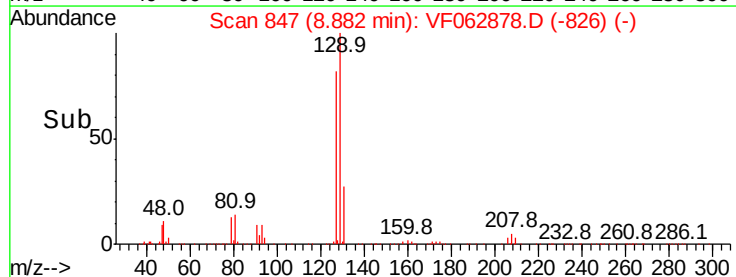
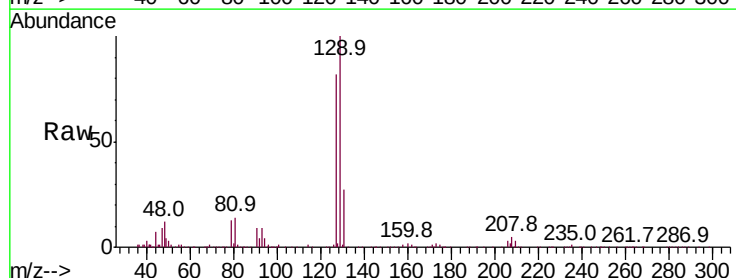
Manual Integrations
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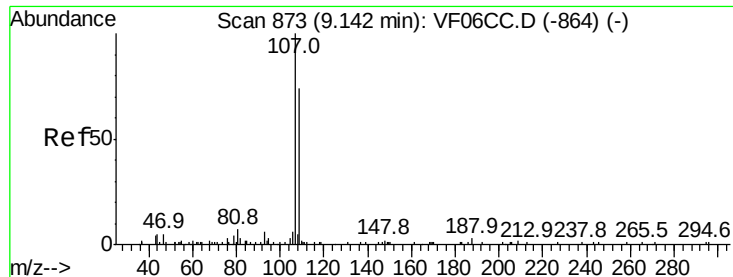
MMDadoda
6/7/2019 4:04:00 PM



#60
Dibromochloromethane
Concen: 22.398 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.00 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Tgt Ion	Ratio	Lower	Upper
129	100		
127	82.0	37.1	111.3





#61

1,2-Dibromoethane

Concen: 23.245 ug/l

RT: 9.15 min Scan# 874

Delta R.T. -0.01 min

Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

VF0606SBSD01

Tot Ion:107 Resp: 141059

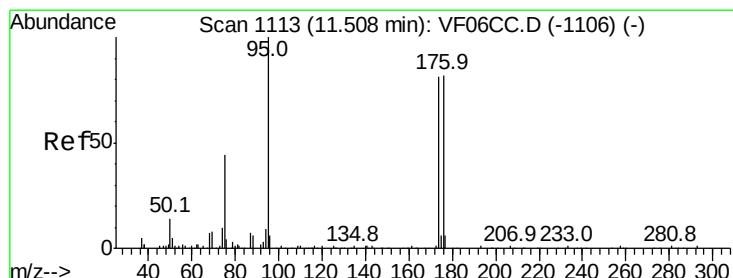
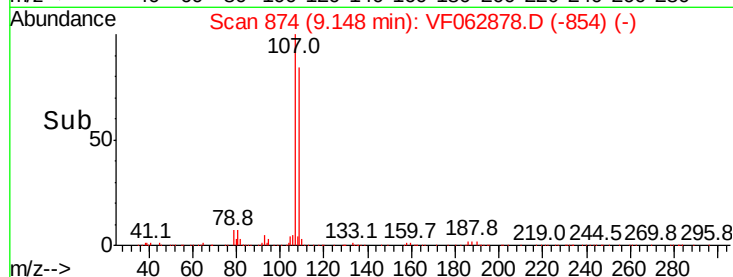
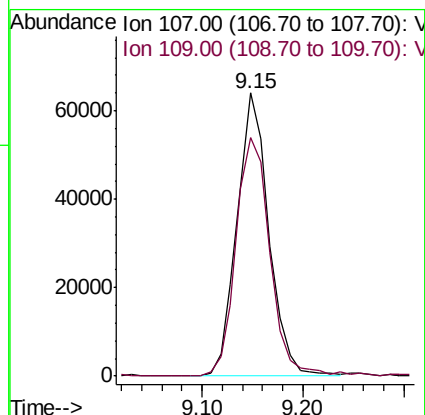
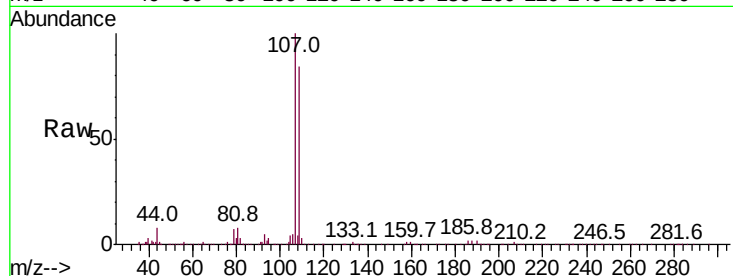
Ion Ratio Lower Upper

107 100

109 84.3 78.1 117.1

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 50.428 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

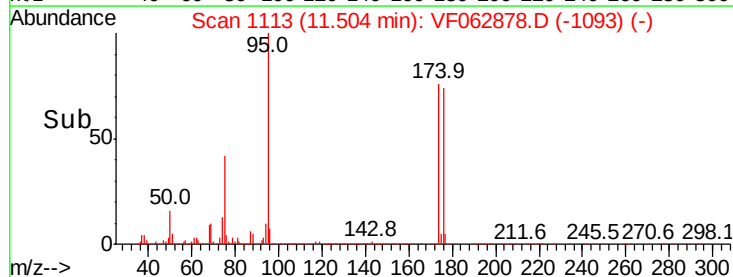
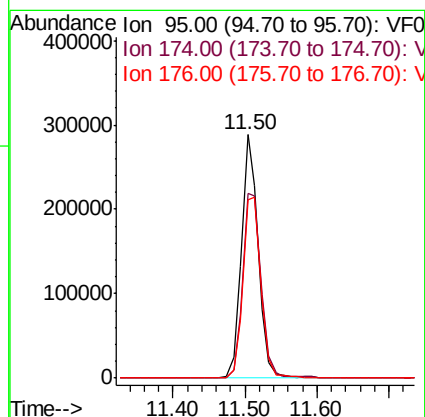
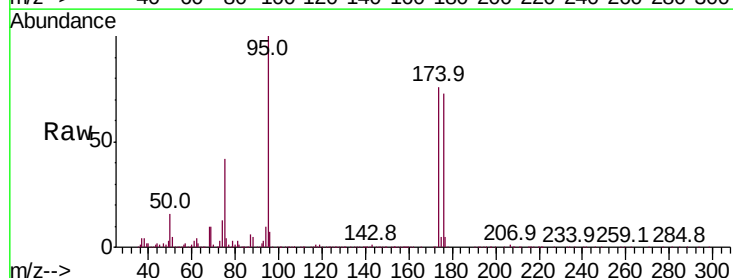
Tgt Ion: 95 Resp: 469777

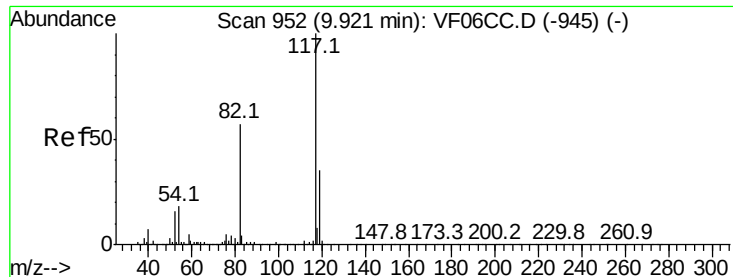
Ion Ratio Lower Upper

95 100

174 75.7 0.0 170.6

176 73.5 0.0 170.6





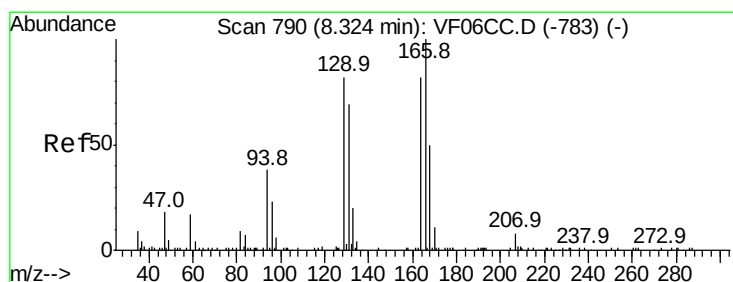
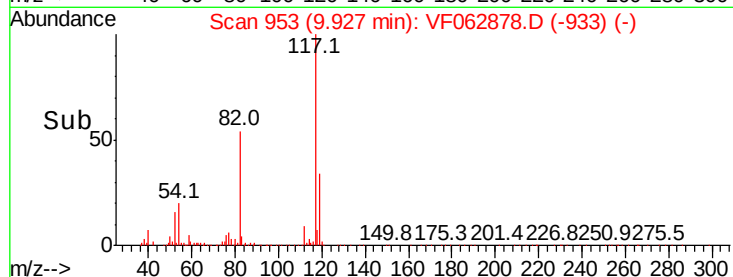
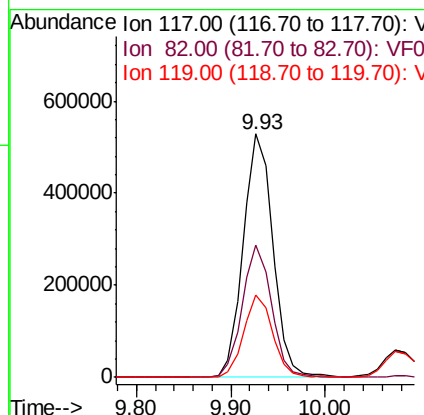
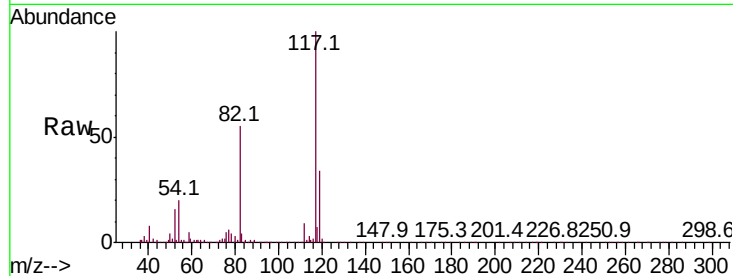
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	42.4	63.6
119	33.6	27.1	40.7

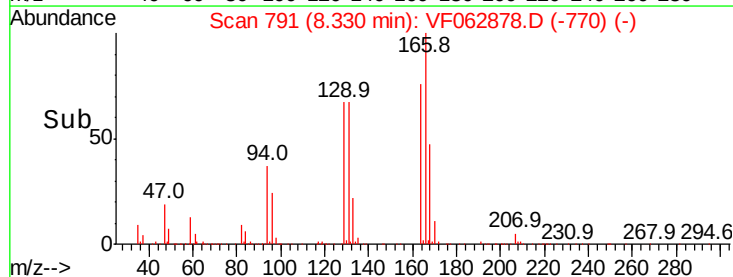
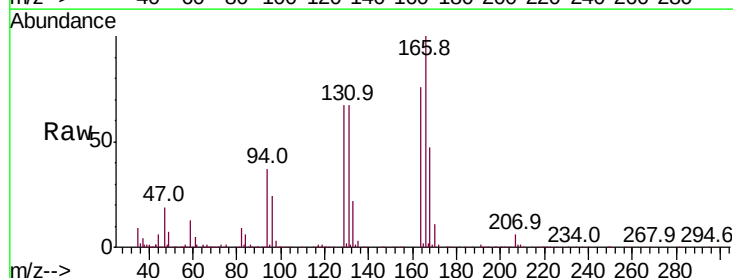
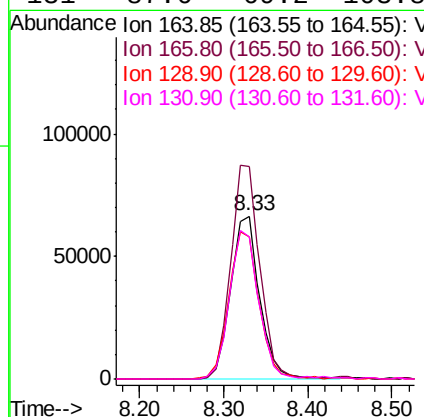
Manual Integrations
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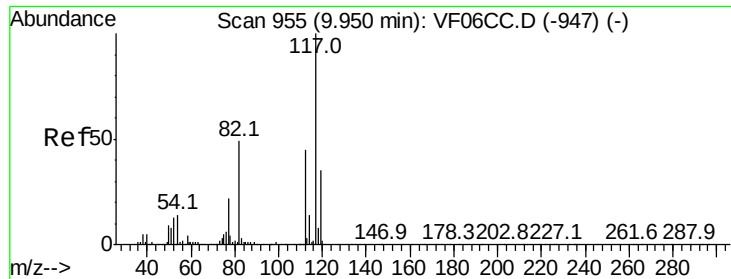
MMDadoda
6/7/2019 4:04:00 PM



#64
Tetrachloroethene
Concen: 18.058 ug/l
RT: 8.33 min Scan# 791
Delta R.T. 0.00 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.7	99.1	148.7
129	87.4	69.5	104.3
131	87.6	69.2	103.8





#65

Chlorobenzene

Concen: 20.170 ug/l

RT: 9.95 min Scan# 955

Delta R.T. -0.01 min

Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

VF0606SBSD01

Tot Ion:112 Resp: 448371

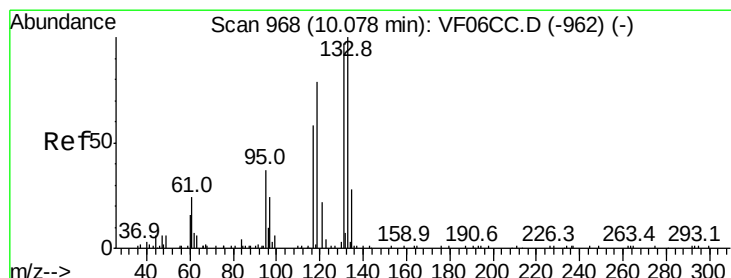
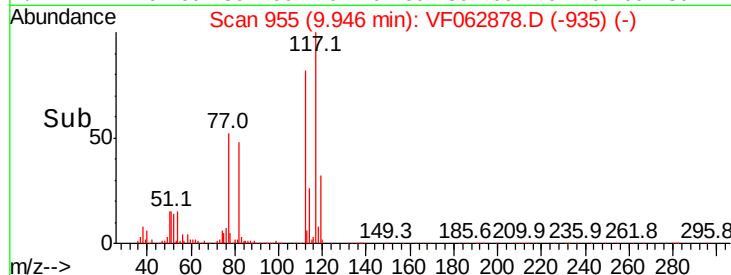
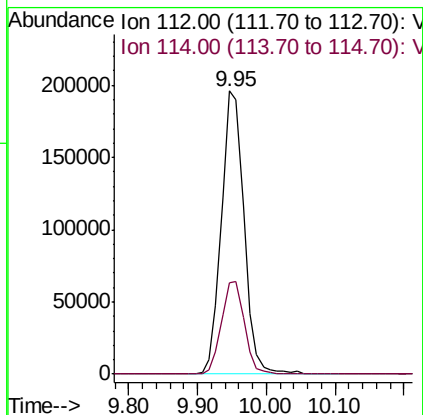
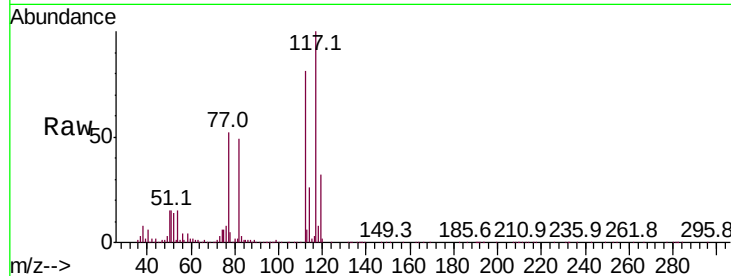
Ion Ratio Lower Upper

112 100

114 32.4 27.4 41.0

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 18.978 ug/l

RT: 10.07 min Scan# 968

Delta R.T. -0.01 min

Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

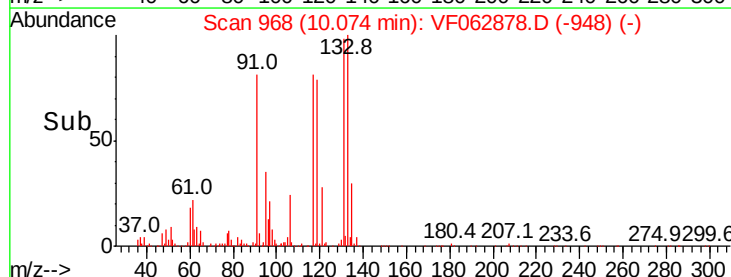
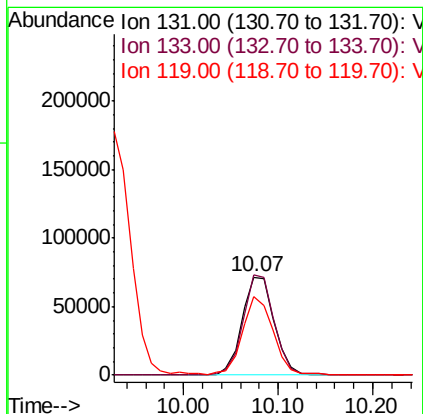
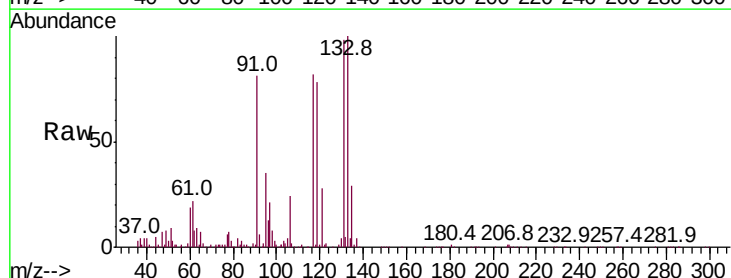
Tgt Ion:131 Resp: 168017

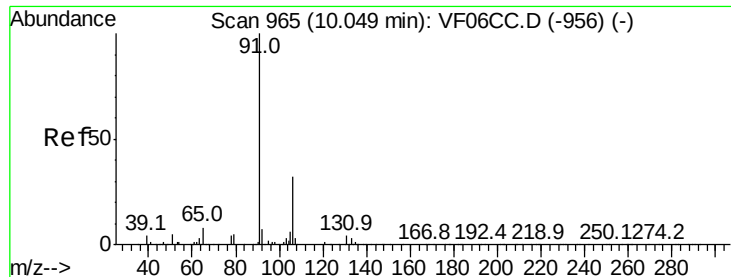
Ion Ratio Lower Upper

131 100

133 102.2 48.9 146.7

119 80.1 38.0 114.0





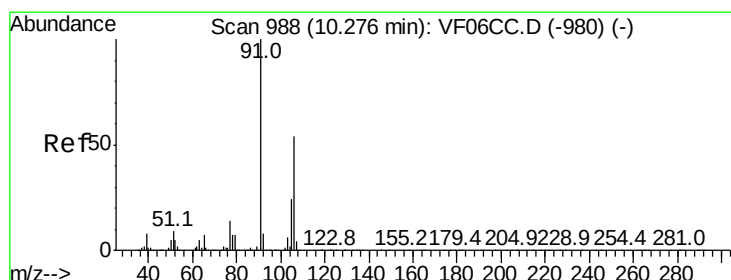
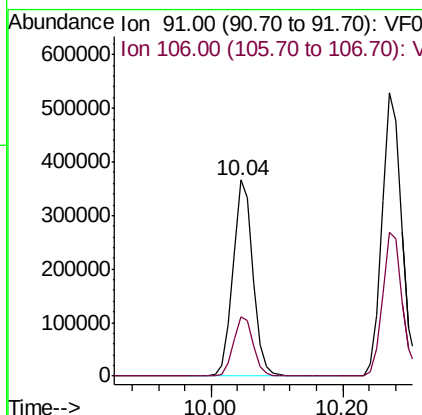
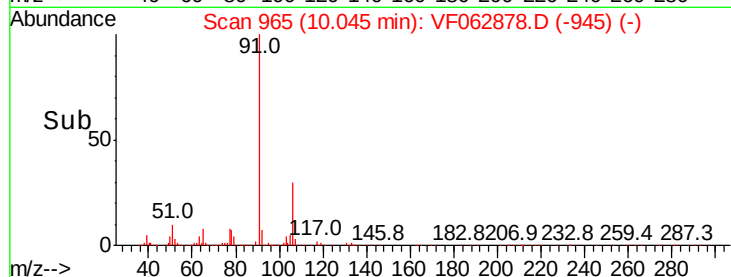
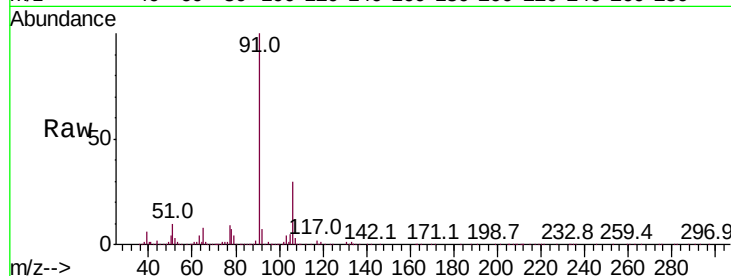
#67
Ethyl Benzene
Concen: 20.510 ug/l
RT: 10.04 min Scan# 965
Delta R.T. -0.01 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBSD01

Tot Ion: 91 Resp: 782394
Ion Ratio Lower Upper
91 100
106 30.0 26.0 39.0

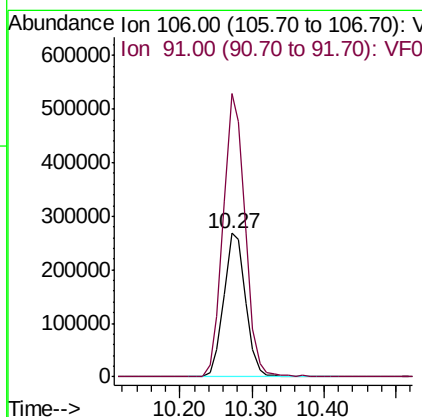
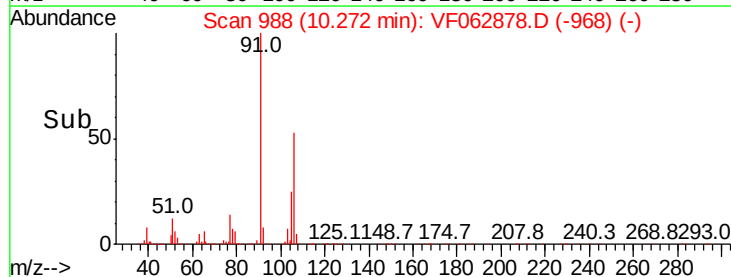
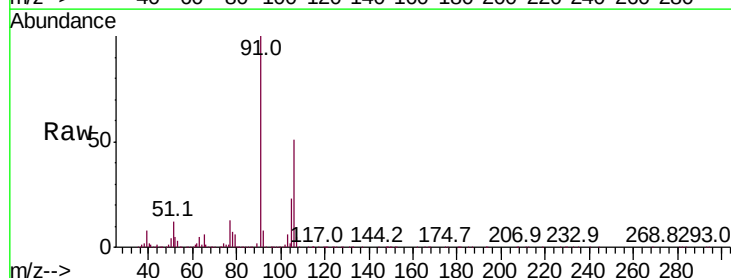
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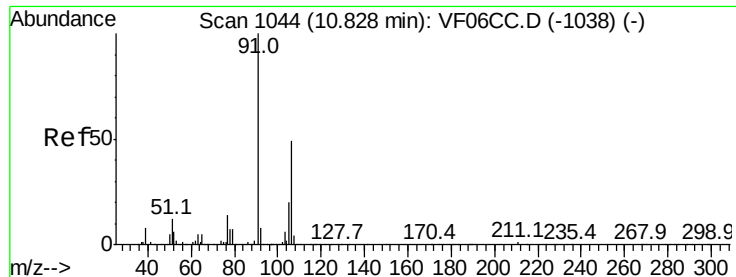
MMDadoda
6/7/2019 4:04:00 PM



#68
m/p-Xylenes
Concen: 38.643 ug/l
RT: 10.27 min Scan# 988
Delta R.T. -0.01 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Tgt Ion: 106 Resp: 564103
Ion Ratio Lower Upper
106 100
91 197.3 136.2 204.4





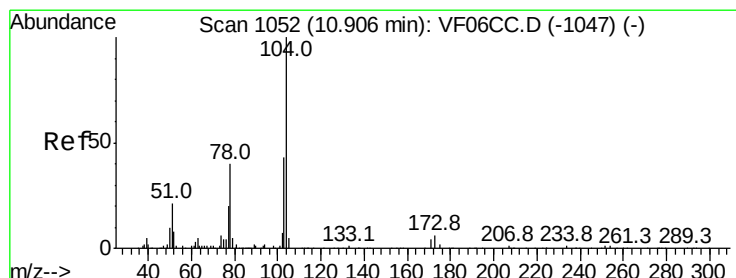
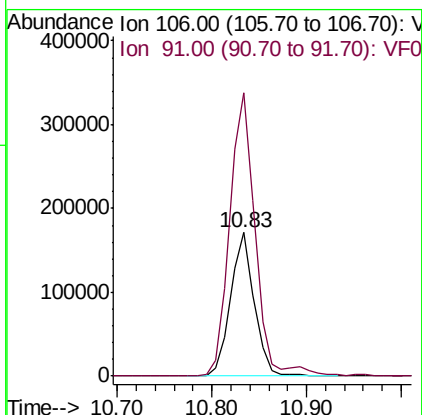
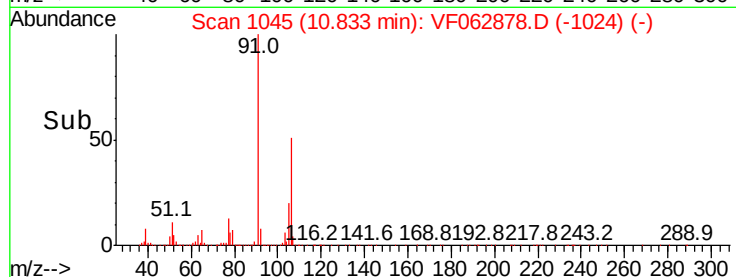
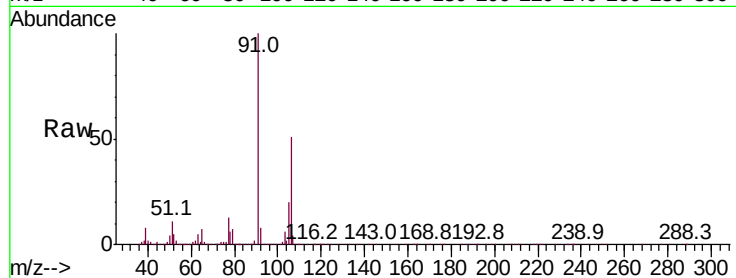
#69
o-Xylene
Concen: 20.097 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	297025		
91	196.9	96.6	289.8	

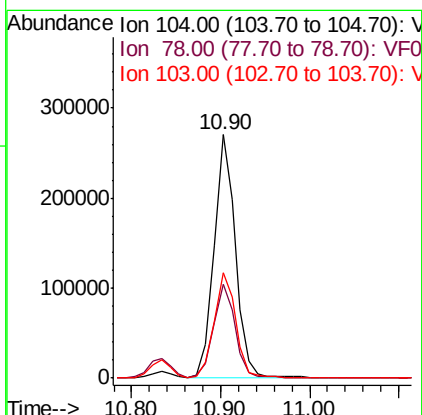
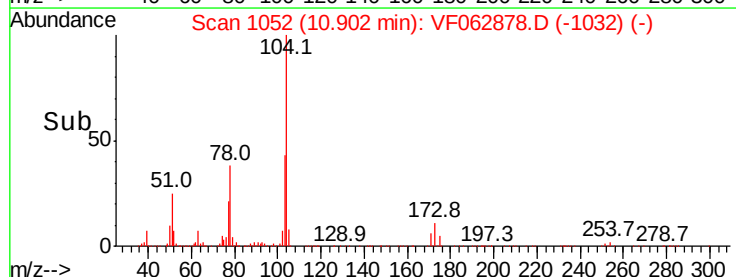
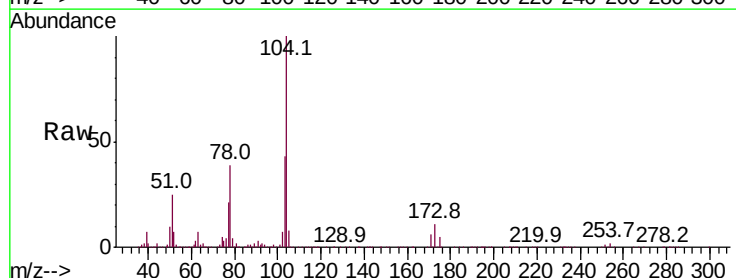
Manual Integrations
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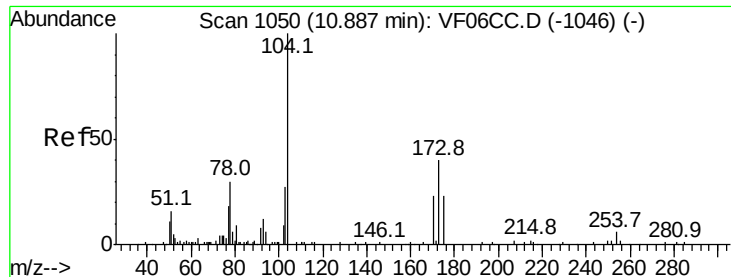
MMDadoda
6/7/2019 4:04:00 PM



#70
Styrene
Concen: 20.735 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	451708		
78	38.5	30.8	46.2	
103	43.4	35.8	53.6	





#71

Bromoform

Concen: 19.674 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

VF0606SBS01

Tot Ion:173 Resp: 83556

Ion Ratio Lower Upper

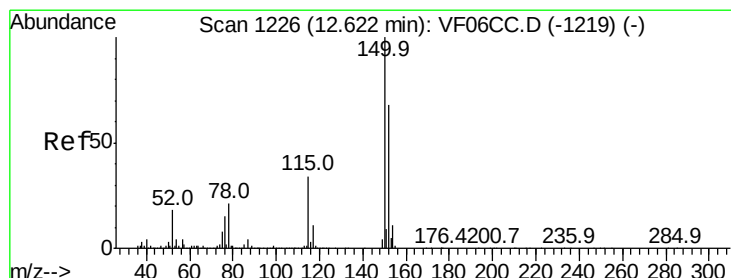
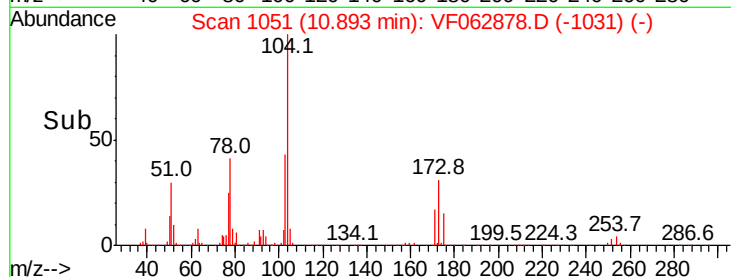
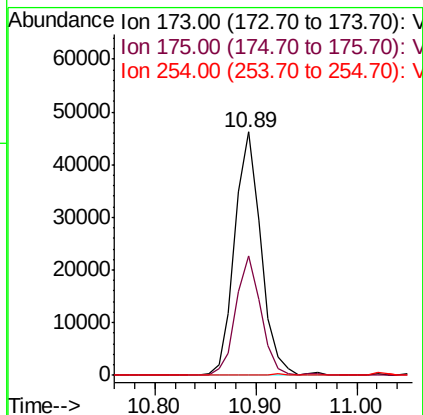
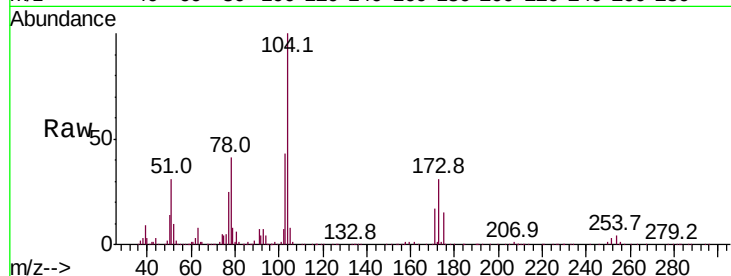
173 100

175 48.6 24.6 74.0

254 0.0 0.1 0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

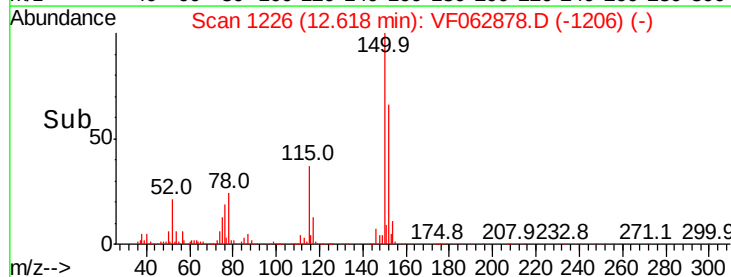
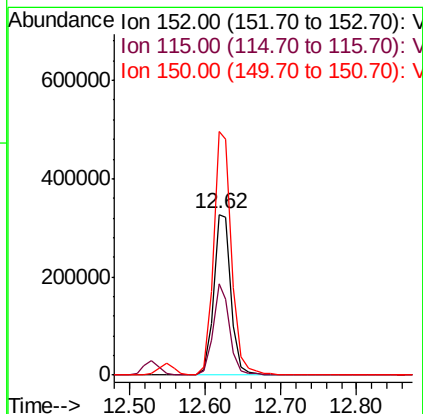
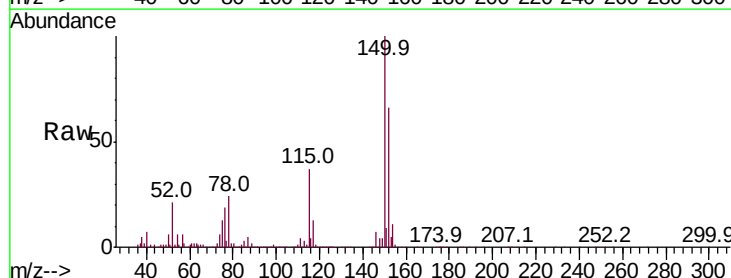
Tgt Ion:152 Resp: 530599

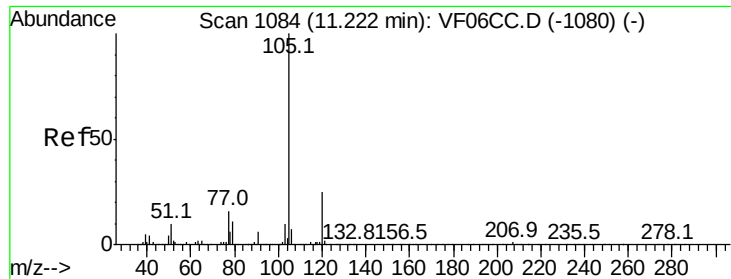
Ion Ratio Lower Upper

152 100

115 56.9 24.6 74.0

150 151.7 0.0 290.6





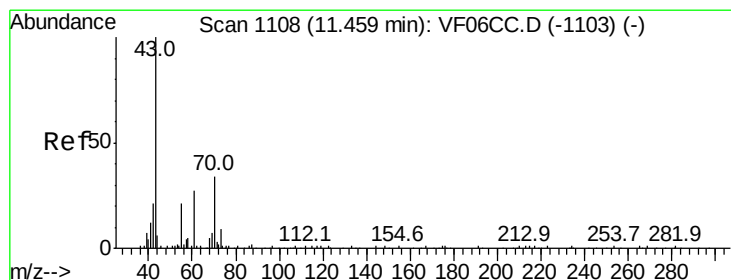
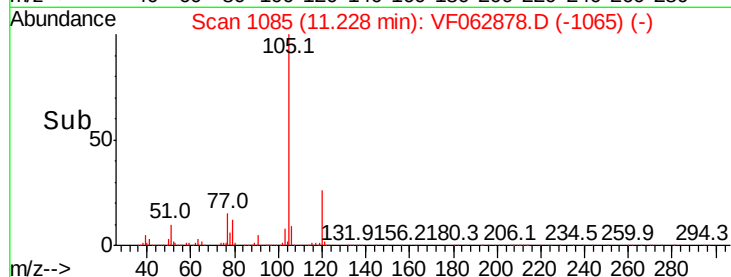
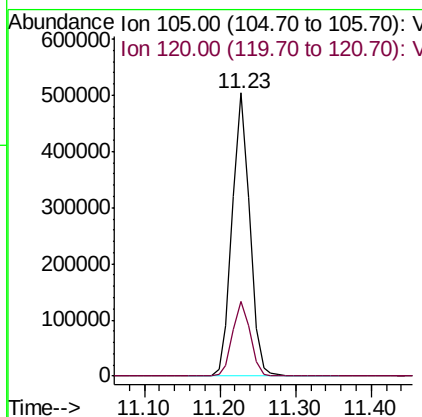
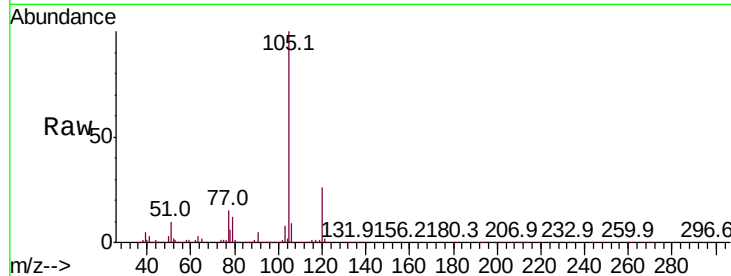
#73
Isopropylbenzene
Concen: 21.713 ug/l
RT: 11.23 min Scan# 1085
Delta R.T. -0.01 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	803875		
120	26.4	15.1	45.3	

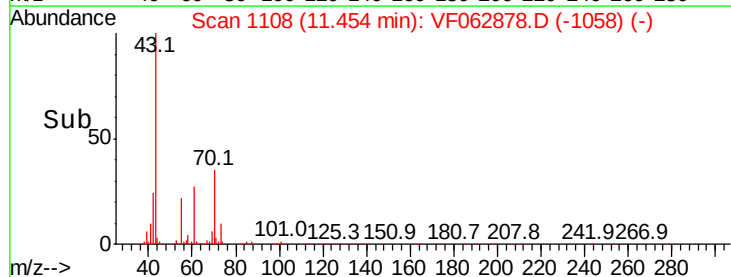
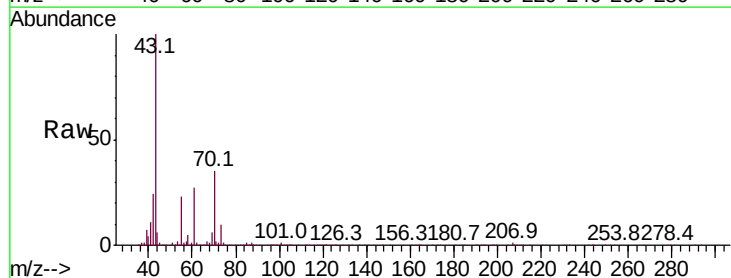
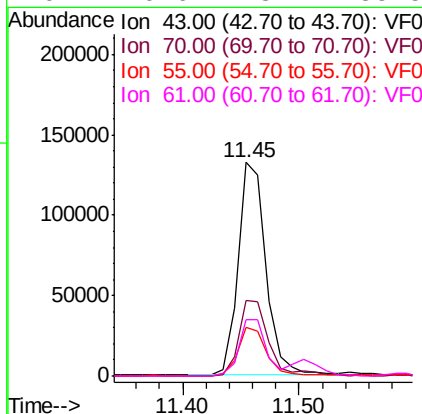
Manual Integrations
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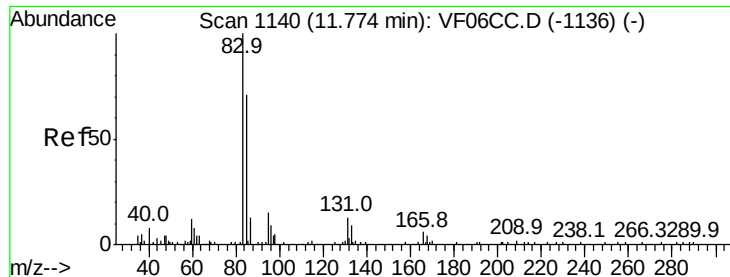
MMDadoda
6/7/2019 4:04:00 PM



#74
N-ethyl acetate
Concen: 20.991 ug/l
RT: 11.45 min Scan# 1108
Delta R.T. -0.01 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	219030		
70	35.2	32.9	49.3	
55	22.5	17.3	25.9	
61	26.6	23.7	35.5	





#75

1,1,2,2-Tetrachloroethane

Concen: 21.177 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

Instrument :

MSVOA_F

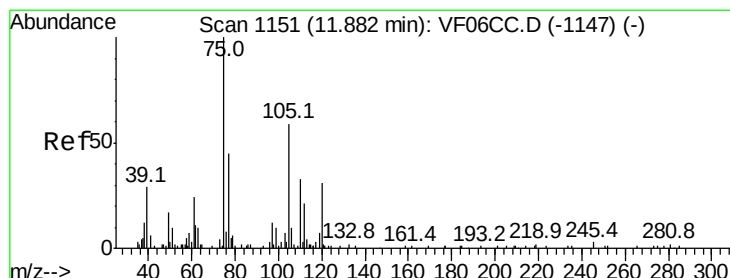
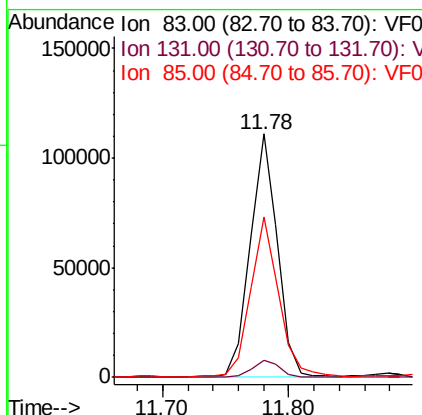
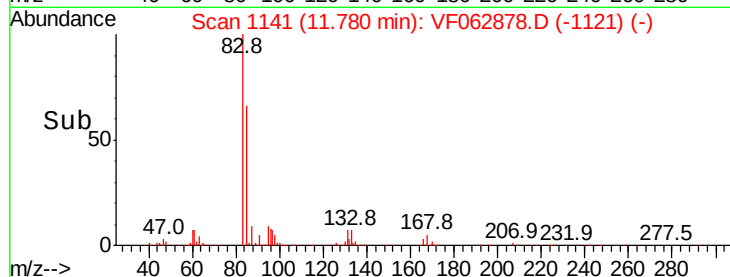
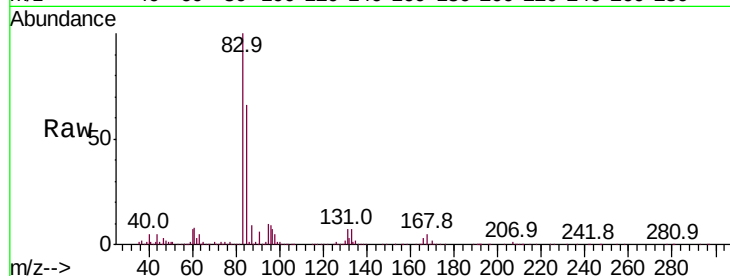
ClientSampleId :

VF0606SBSD01

Tot Ion:	83	Resp:	167434
Ion Ratio	Lower	Upper	
83	100		
131	6.8	4.9	14.7
85	65.9	32.1	96.5

Manual Integrations
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6/7/2019 4:04:00 PM



#76

1,2,3-Trichloropropane

Concen: 20.351 ug/l

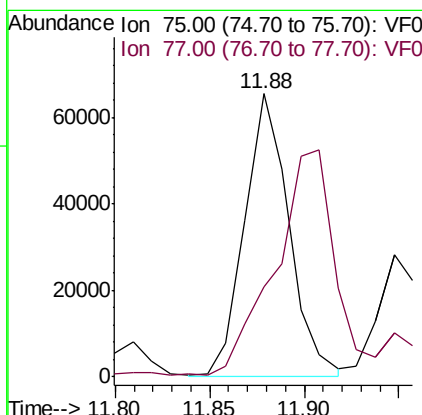
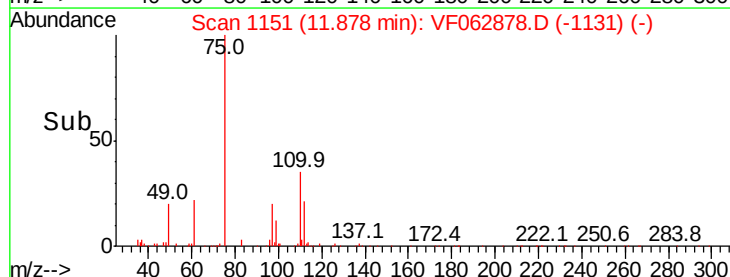
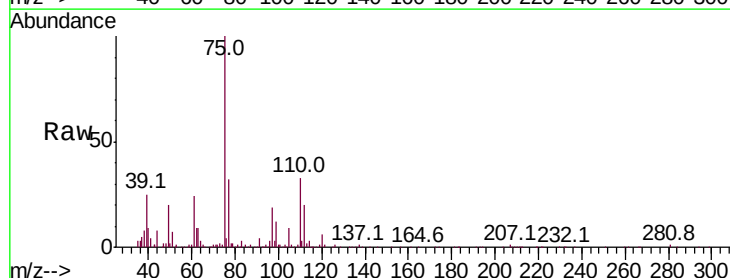
RT: 11.88 min Scan# 1151

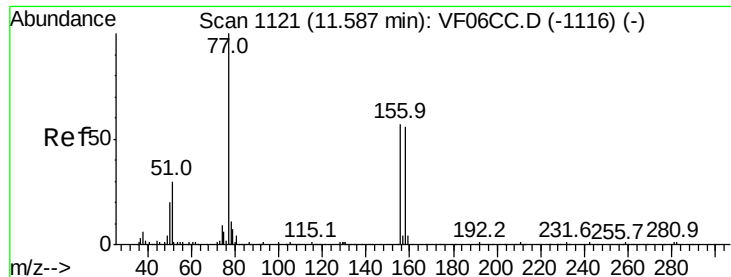
Delta R.T. -0.01 min

Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

Tgt Ion:	75	Resp:	106654
Ion Ratio	Lower	Upper	
75	100		
77	32.0	20.1	60.2





#77

Bromobenzene

Concen: 20.635 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

Instrument :

MSVOA_F

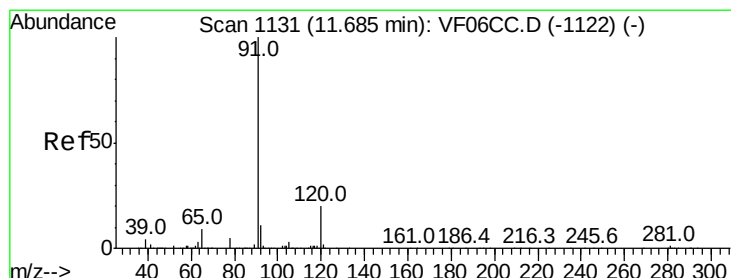
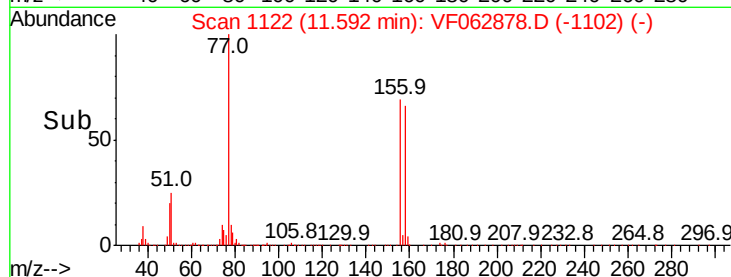
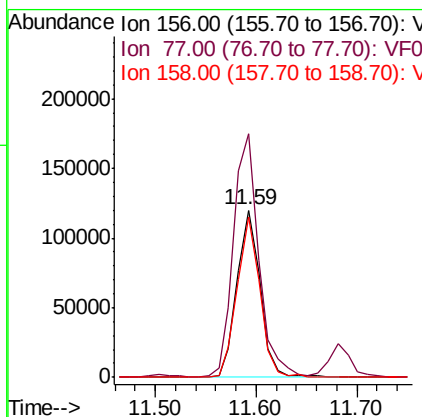
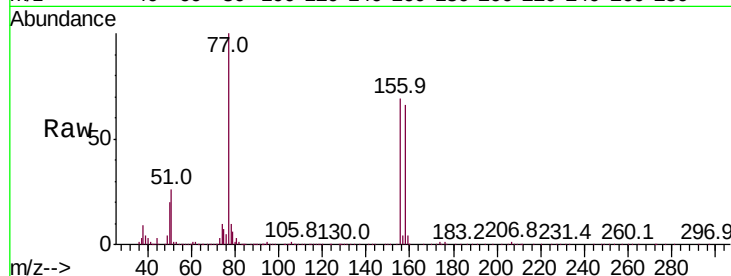
ClientSampleId :

VF0606SBSD01

Tot Ion:	156	Resp:	191958
Ion Ratio	Lower	Upper	
156	100		
77	145.8	64.2	192.6
158	95.8	50.3	151.0

Manual Integrations
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#78

n-propylbenzene

Concen: 21.335 ug/l

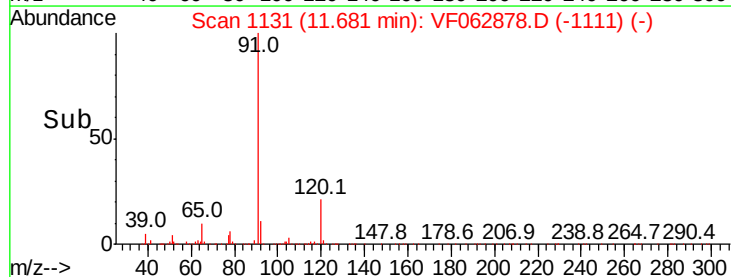
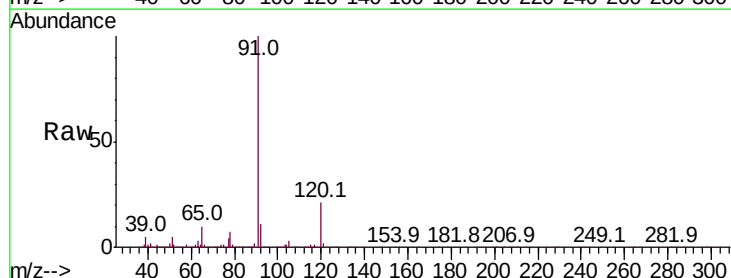
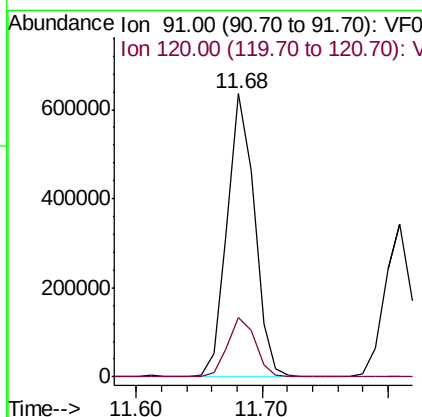
RT: 11.68 min Scan# 1131

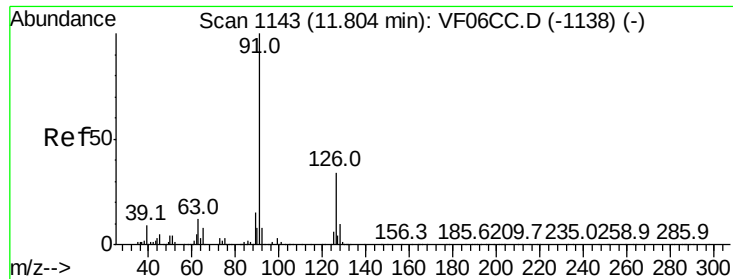
Delta R.T. -0.01 min

Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

Tgt Ion:	91	Resp:	953713
Ion Ratio	Lower	Upper	
91	100		
120	20.8	12.8	38.4





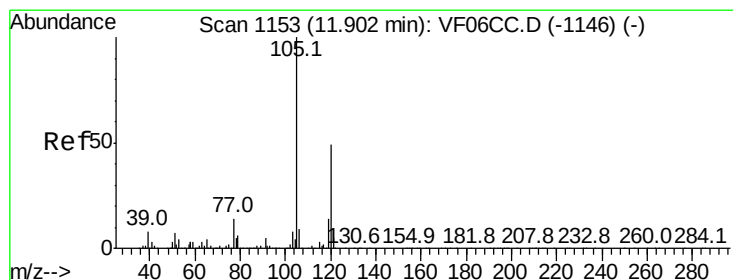
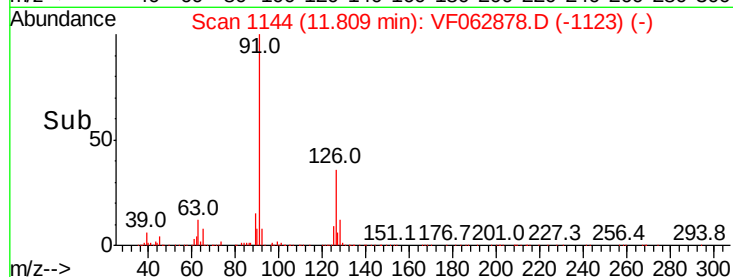
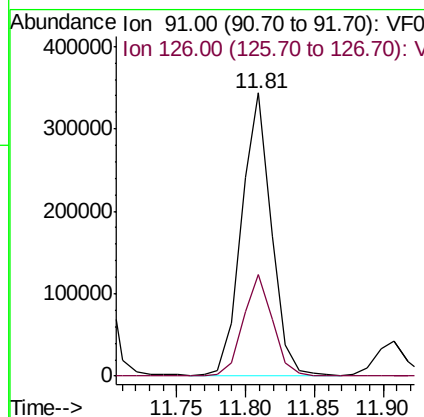
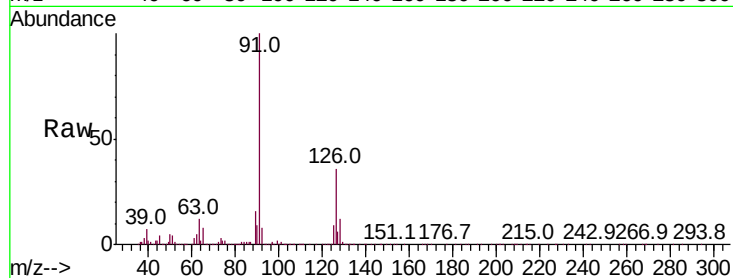
#79
 2-Chlorotoluene
 Concen: 20.042 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VF062878.D
 Acq: 6 Jun 2019 13:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0606SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.8	53.3

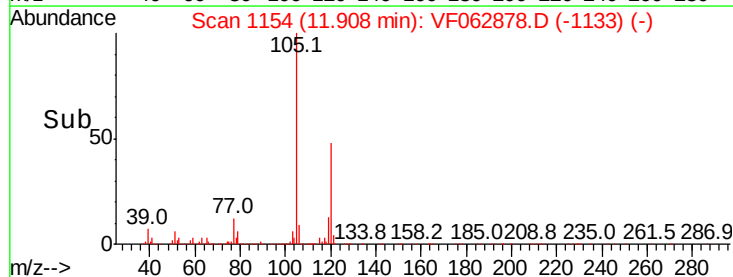
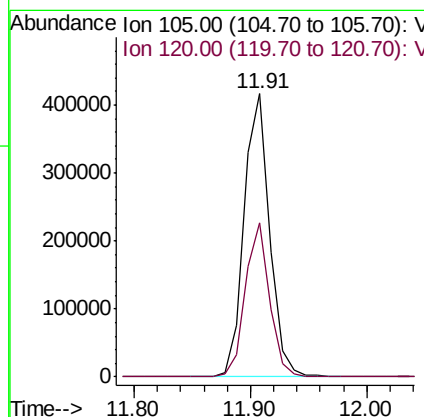
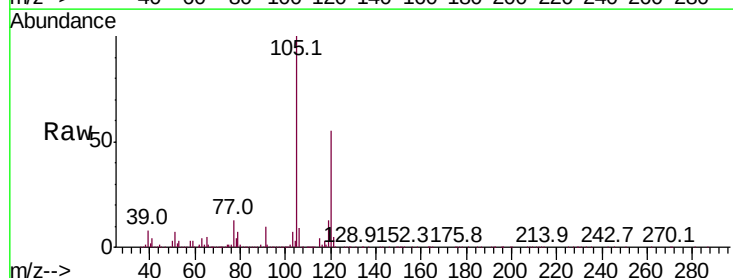
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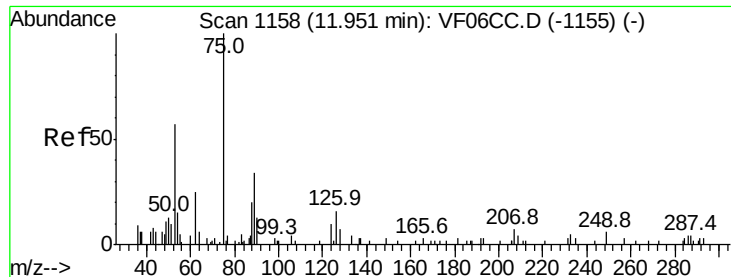
MMDadoda
 6/7/2019 4:04:00 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.835 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VF062878.D
 Acq: 6 Jun 2019 13:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	54.6	28.7	86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 20.207 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

Instrument :

MSVOA_F

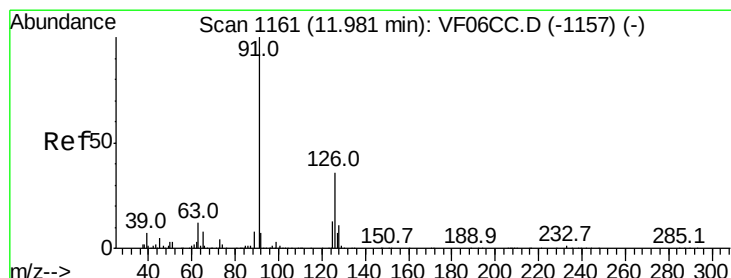
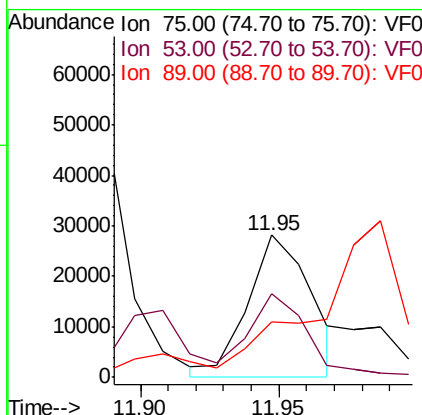
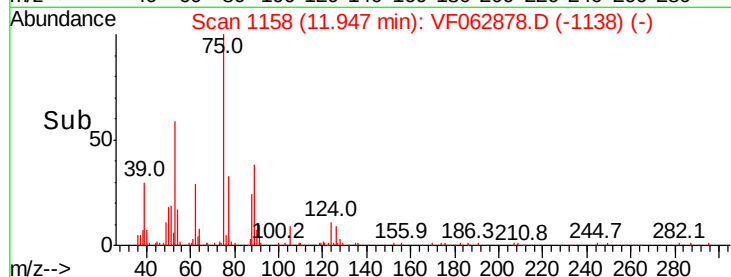
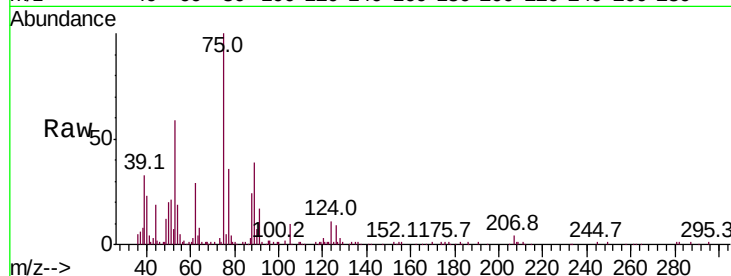
ClientSampleId :

VF0606SBSD01

Tot Ion:	75	Resp:	44836
Ion Ratio	Lower	Upper	
75	100		
53	59.1	43.5	65.3
89	39.1	34.3	51.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.637 ug/l

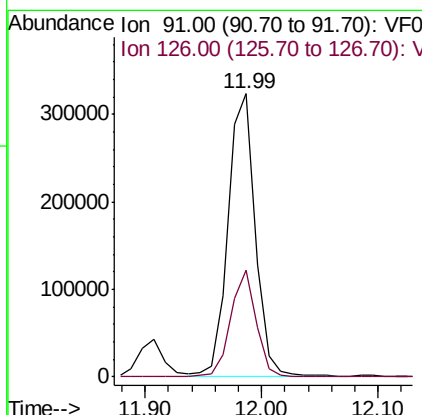
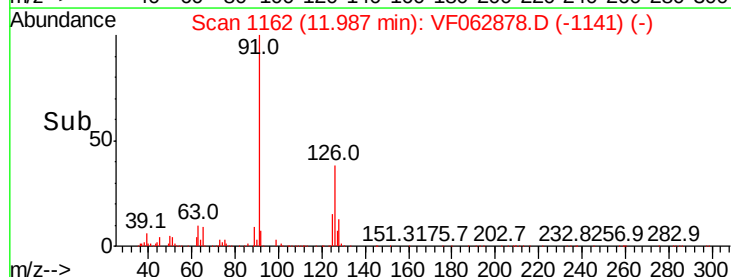
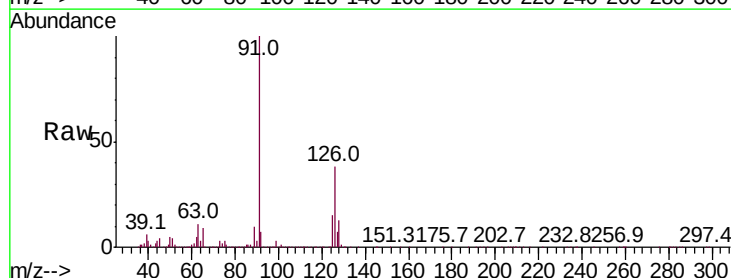
RT: 11.99 min Scan# 1162

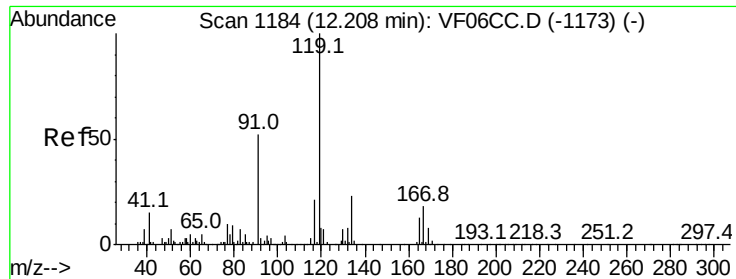
Delta R.T. 0.00 min

Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

Tgt Ion:	91	Resp:	518754
Ion Ratio	Lower	Upper	
91	100		
126	37.9	19.1	57.1





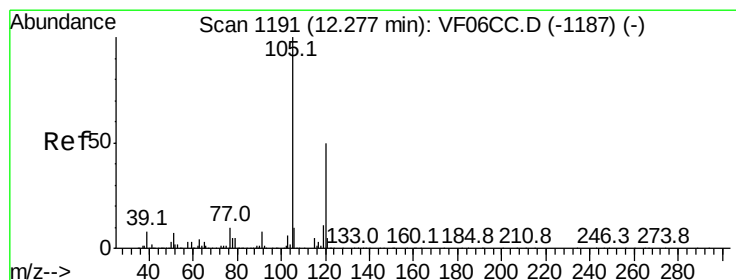
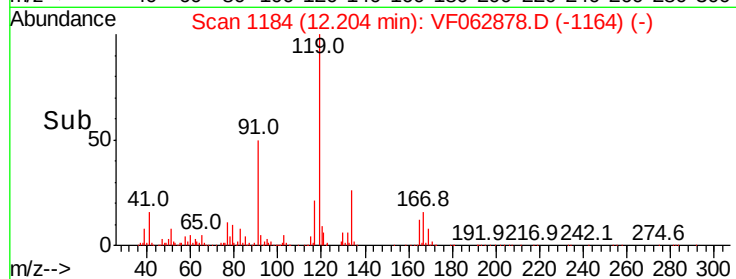
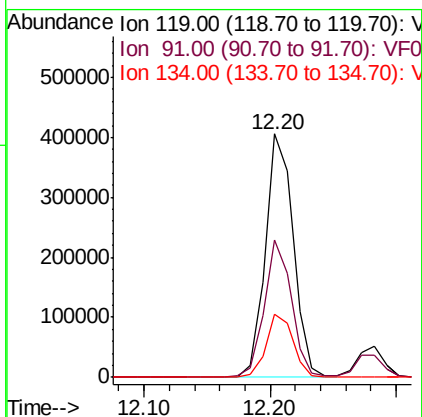
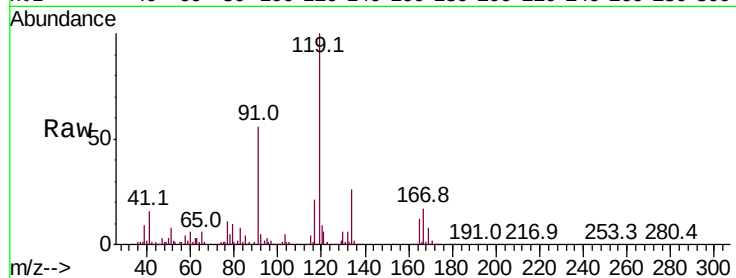
#83
tert-Butylbenzene
Concen: 20.936 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	628083		
91	56.5	28.9	86.7	
134	26.0	14.3	42.9	

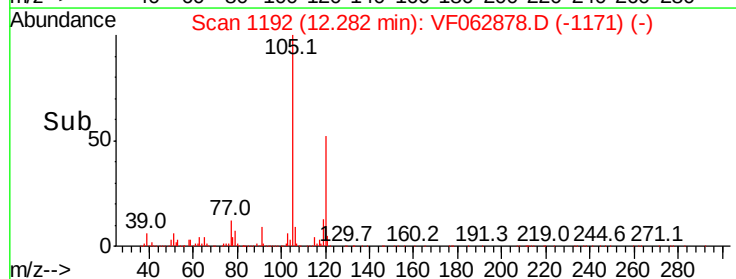
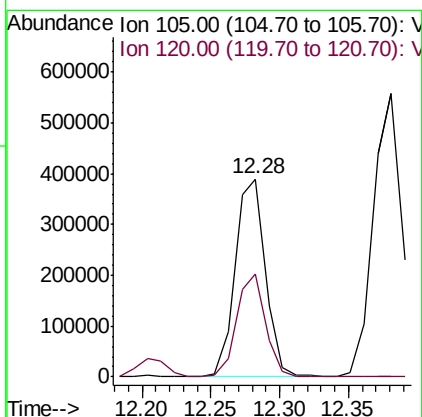
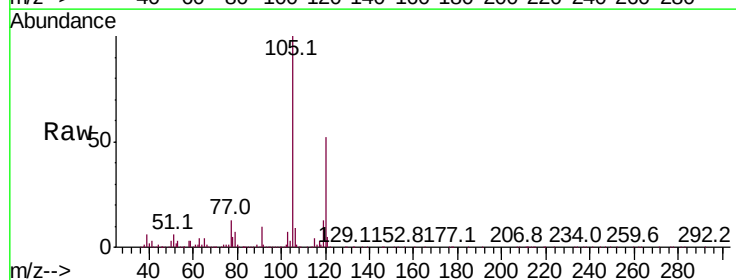
Manual Integrations
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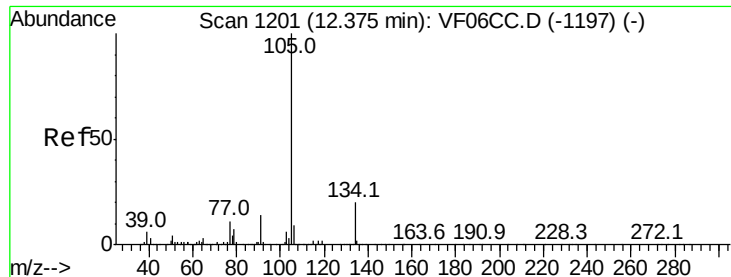
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.769 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. 0.00 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	596200		
120	51.8	27.1	81.3	





#85

sec-Butylbenzene

Concen: 20.790 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

Instrument :

MSVOA_F

ClientSampleId :

VF0606SBSD01

Tot Ion:105 Resp: 821860

Ion Ratio Lower Upper

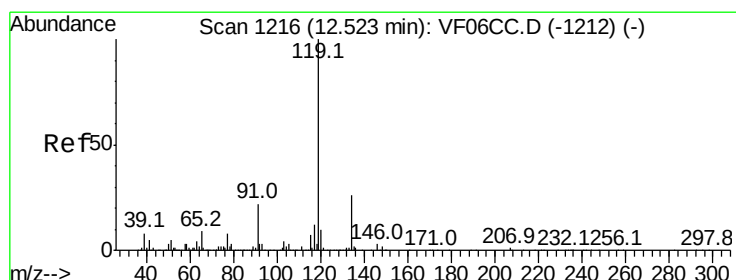
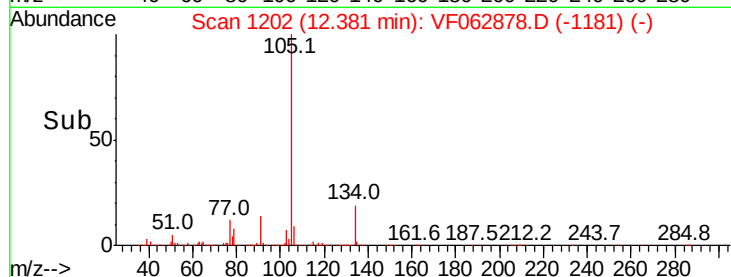
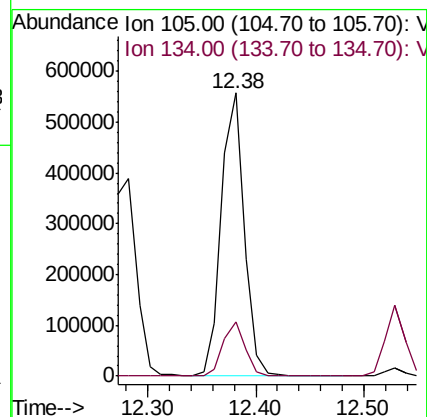
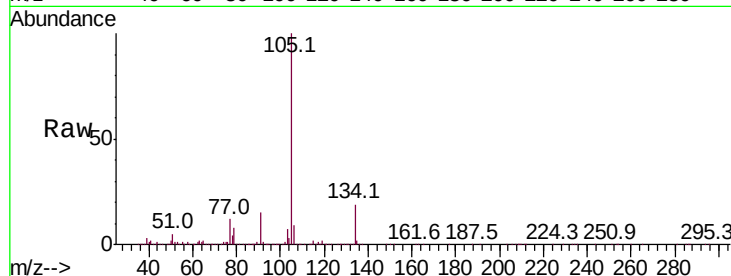
105 100

134 19.2 10.5 31.6

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 20.685 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VF062878.D

Acq: 6 Jun 2019 13:07

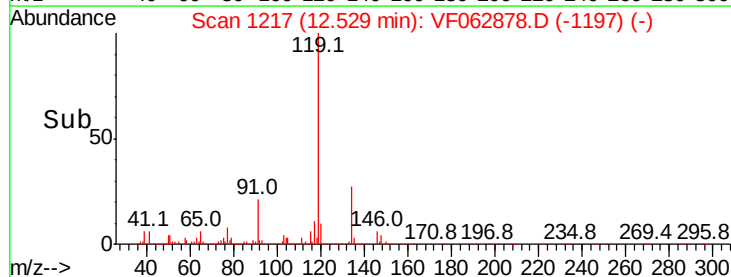
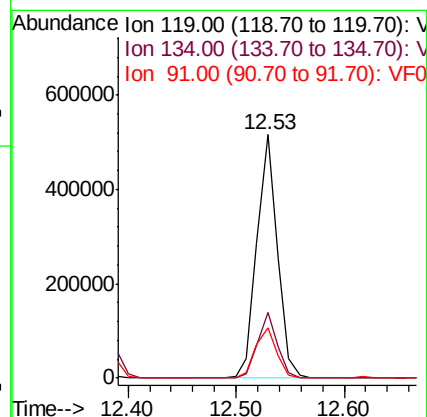
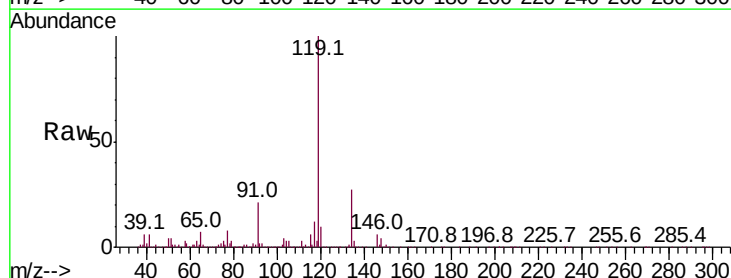
Tgt Ion:119 Resp: 680639

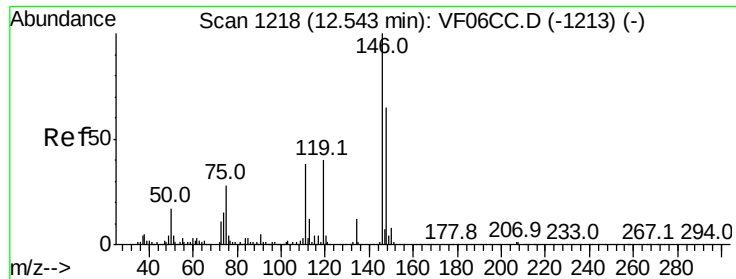
Ion Ratio Lower Upper

119 100

134 27.0 15.5 46.5

91 20.7 10.3 30.9





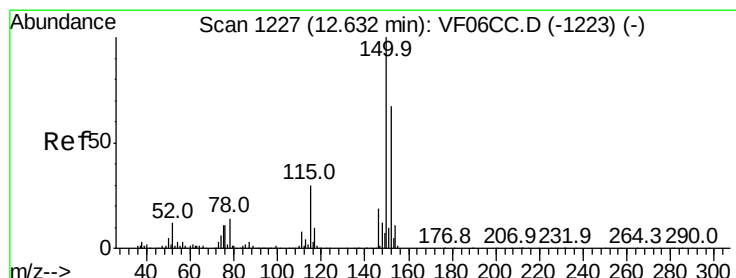
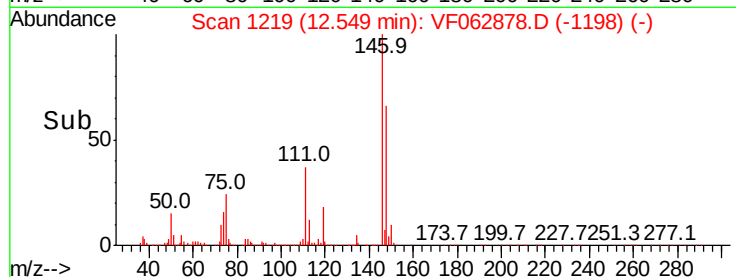
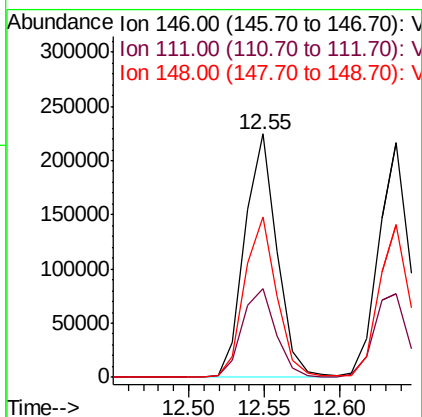
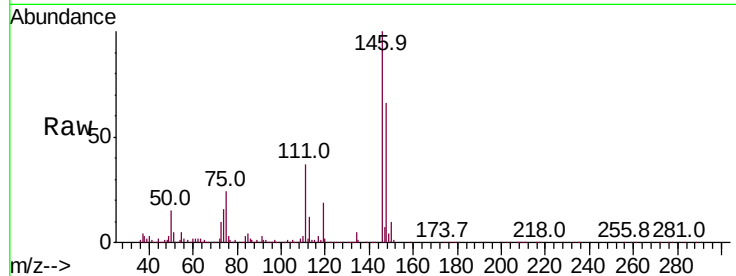
#87
1,3-Dichlorobenzene
Concen: 20.270 ug/l
RT: 12.55 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	19.6	58.8
148	65.8	34.2	102.5

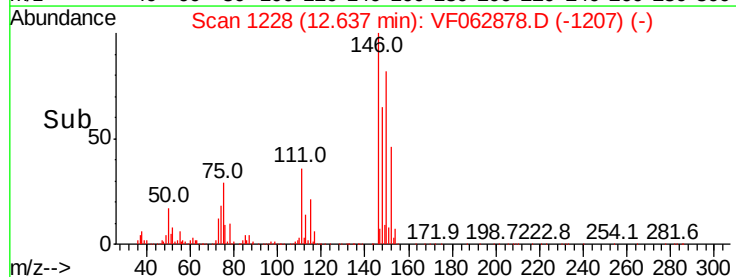
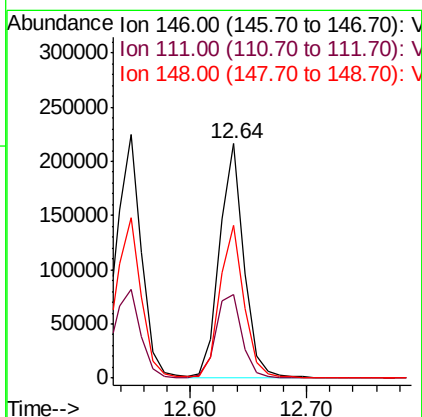
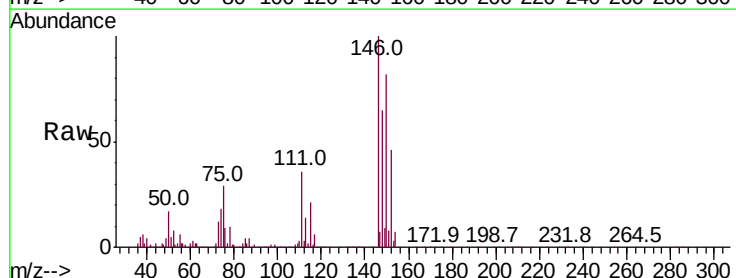
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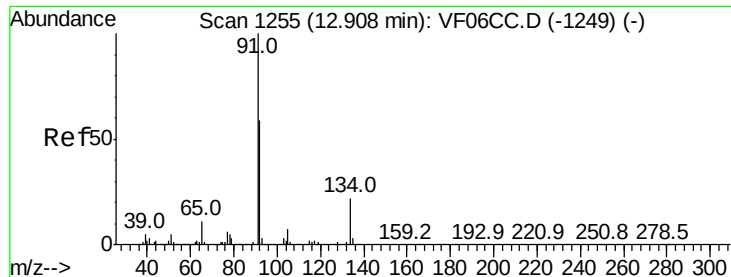
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#88
1,4-Dichlorobenzene
Concen: 20.504 ug/l
RT: 12.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	20.3	60.9
148	65.1	34.0	101.8





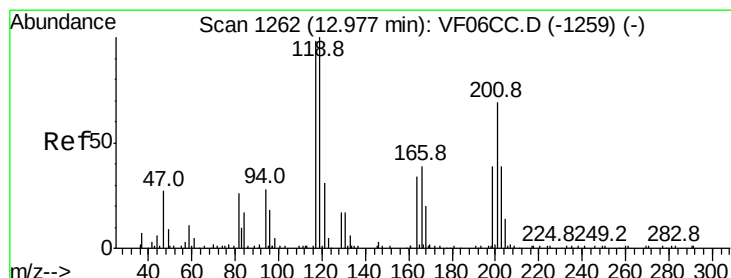
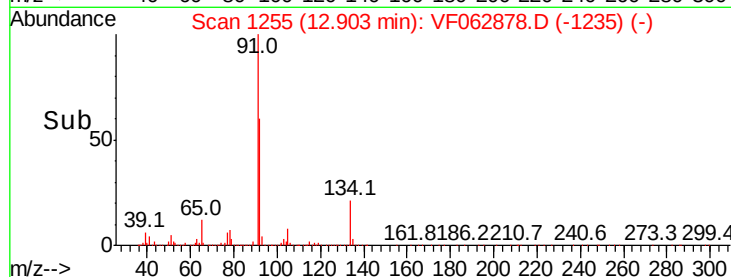
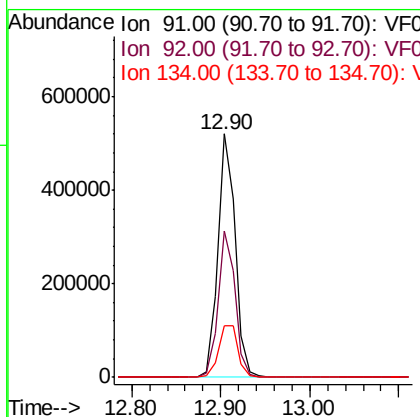
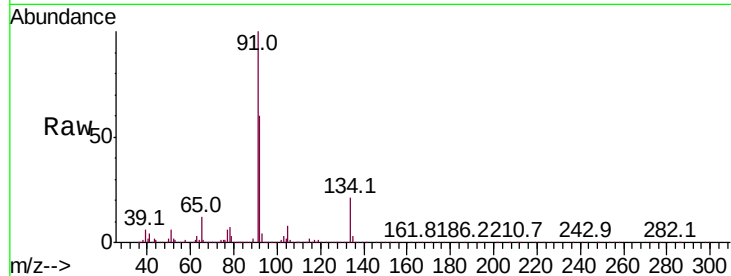
#89
n-Butylbenzene
Concen: 21.430 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.2	34.2	102.6
134	21.4	15.8	47.3

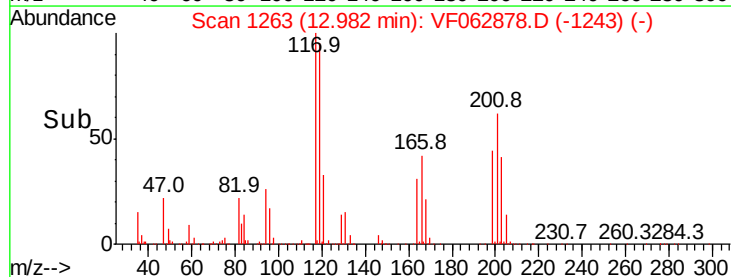
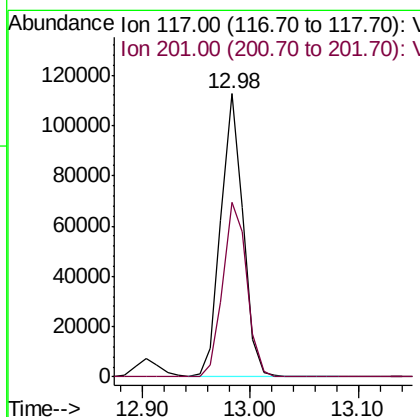
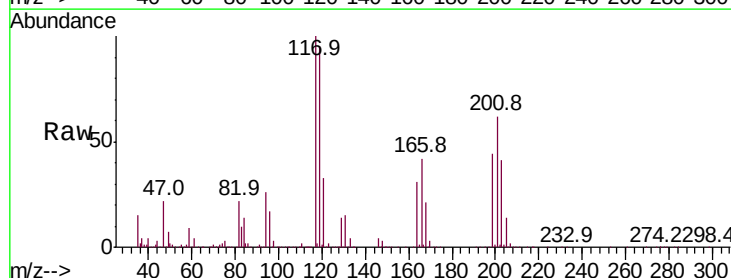
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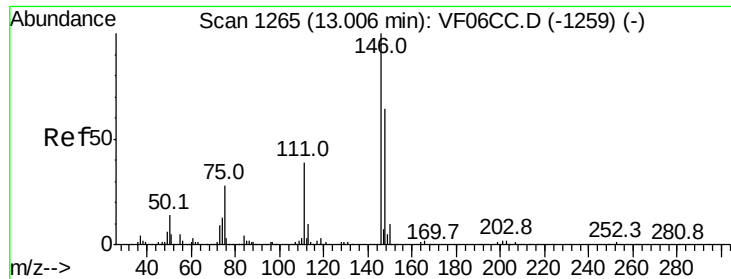
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#90
Hexachloroethane
Concen: 20.072 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	61.7	38.9	116.7





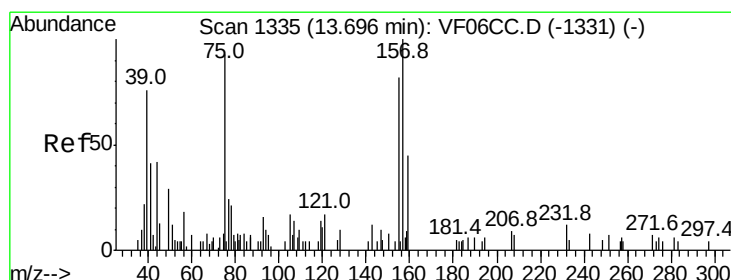
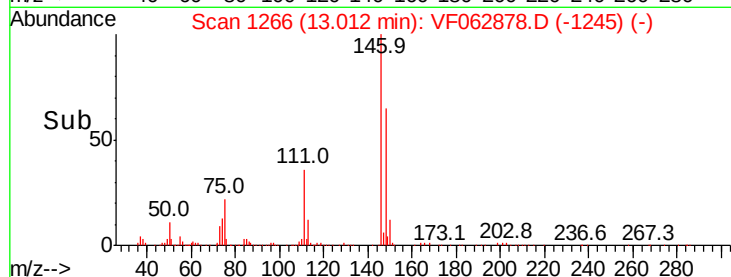
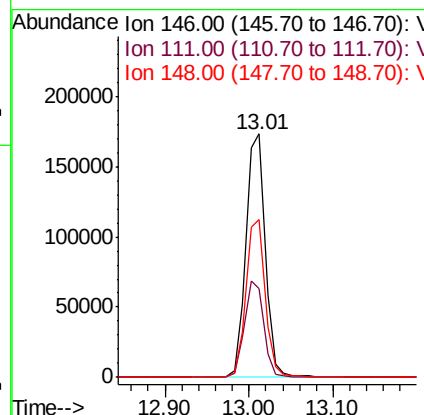
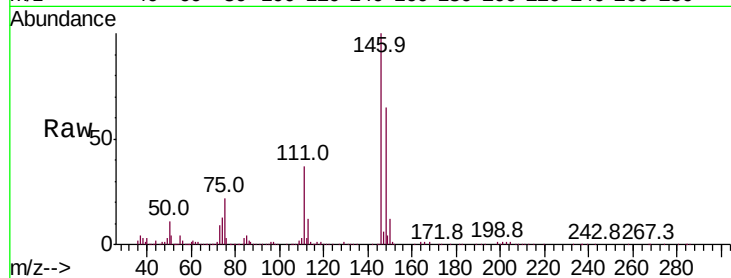
#91
 1,2-Dichlorobenzene
 Concen: 19.170 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VF062878.D
 Acq: 6 Jun 2019 13:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0606SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	20.4	61.3
148	65.1	34.1	102.3

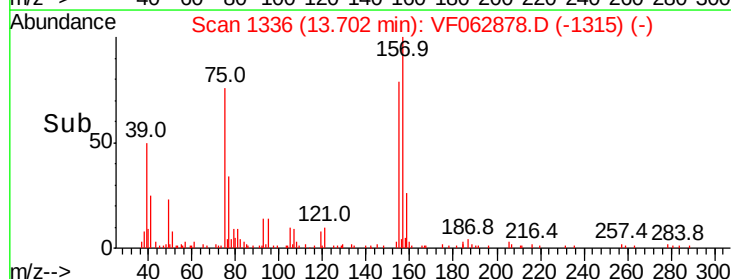
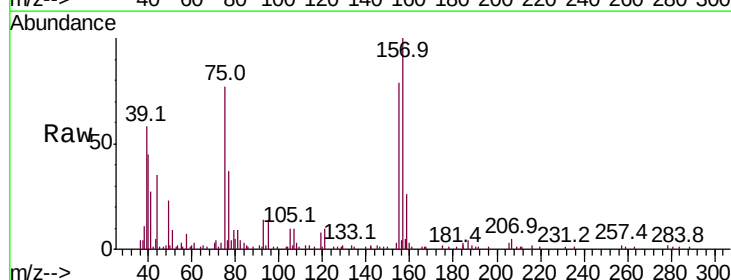
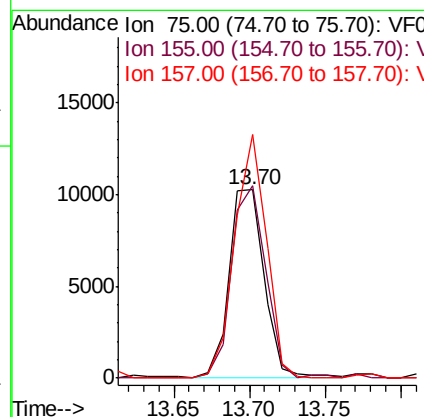
Manual Integrations
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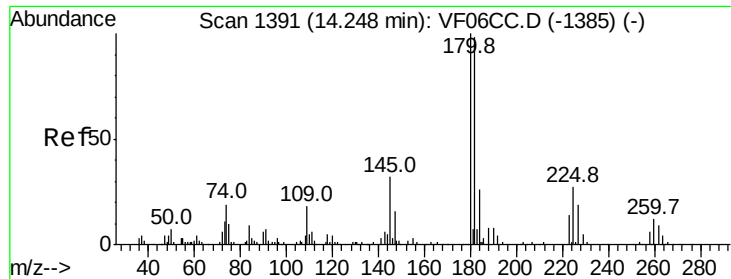
MMDadoda
 6/7/2019 4:04:00 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.469 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VF062878.D
 Acq: 6 Jun 2019 13:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.0	51.7	155.1
157	129.4	66.8	200.6





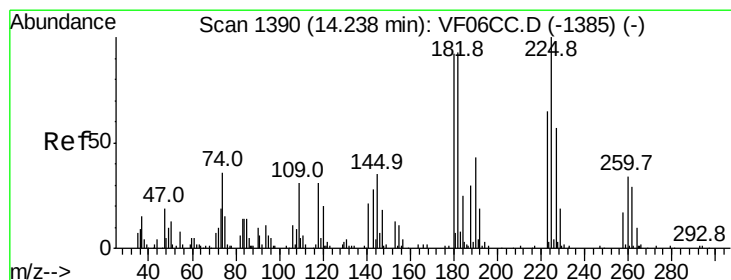
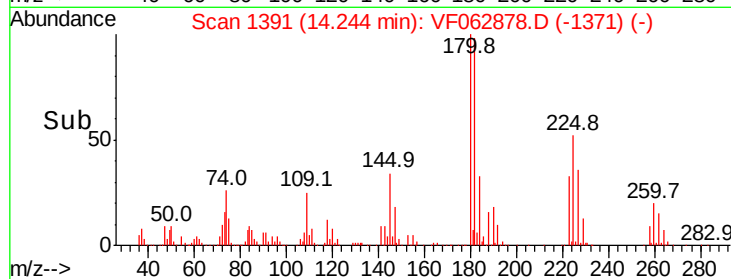
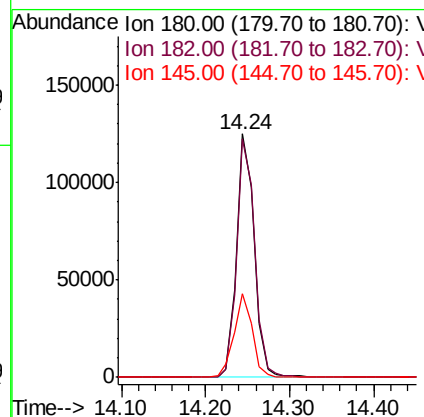
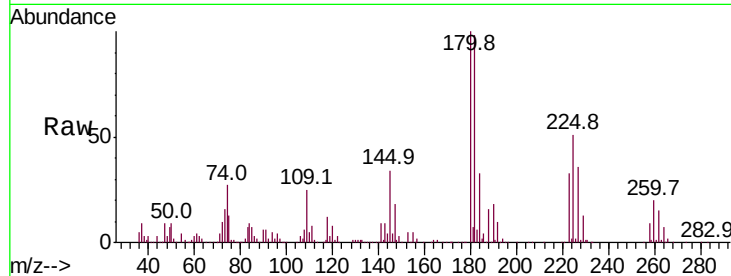
#93
 1,2,4-Trichlorobenzene
 Concen: 18.440 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VF062878.D
 Acq: 6 Jun 2019 13:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0606SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	182569		
182	97.9	50.3	150.9	
145	34.3	15.4	46.2	

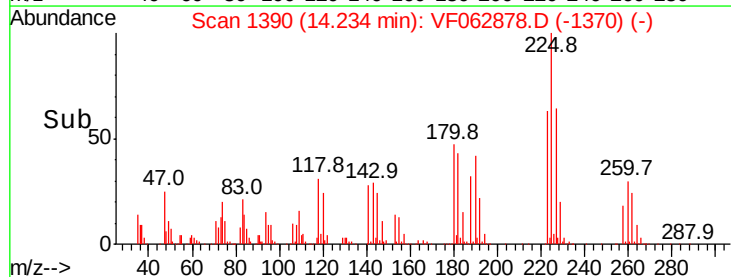
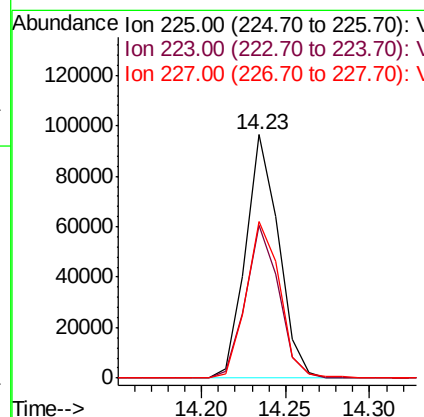
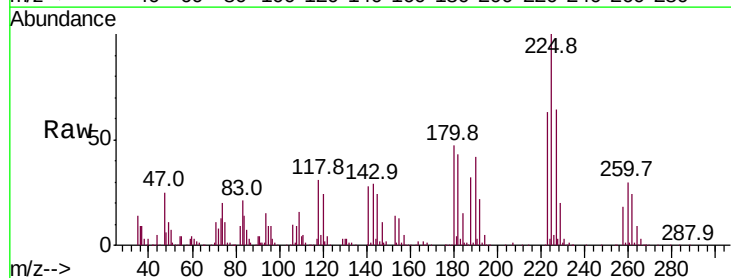
Manual Integrations
 APPROVED

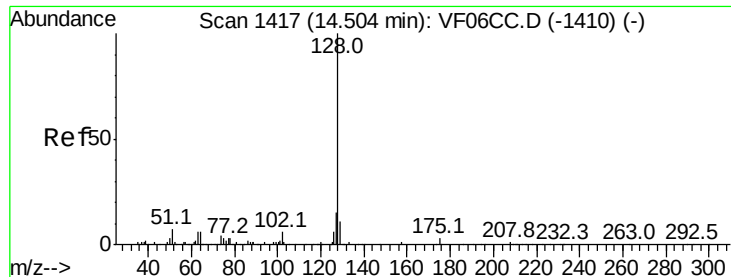
MMDadoda
 6/7/2019 4:04:00 PM



#94
 Hexachlorobutadiene
 Concen: 19.218 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062878.D
 Acq: 6 Jun 2019 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	131633		
223	62.5	30.8	92.4	
227	64.4	31.9	95.5	





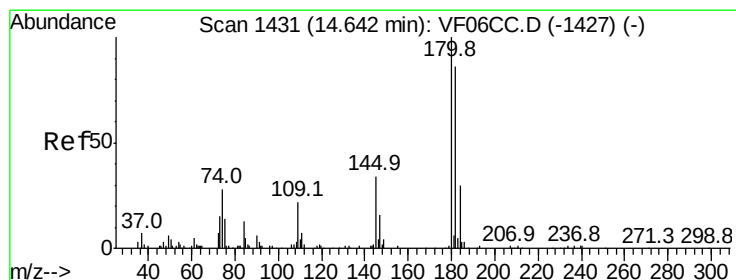
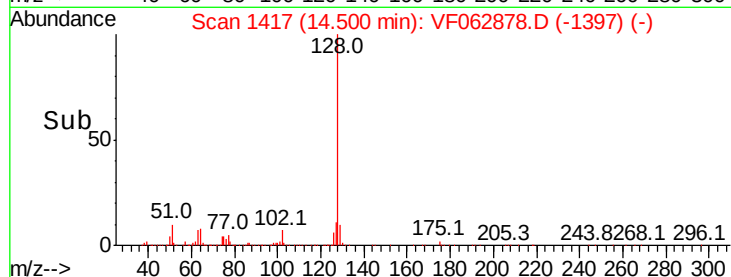
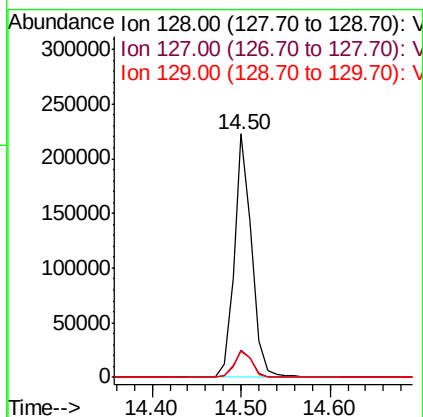
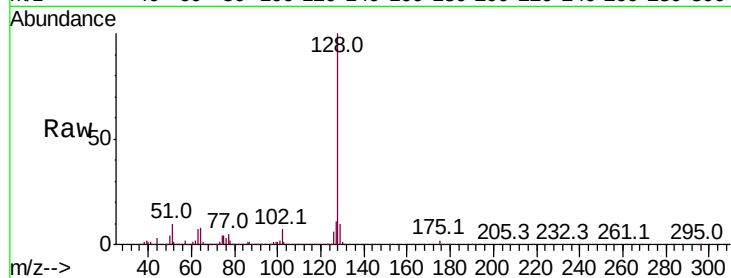
#95
Naphthalene
Concen: 18.798 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	11.2	9.7	14.5	
129	10.5	9.4	14.2	

Manual Integrations
APPROVED

MMDadoda
6/7/2019 4:04:00 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.278 ug/l
RT: 14.65 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VF062878.D
Acq: 6 Jun 2019 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	98.5	48.6	145.9	
145	27.8	15.7	47.0	

