

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041919\
 Data File : VF062236.D
 Acq On : 19 Apr 2019 21:01
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 6:56:01 AM

Quant Time: Apr 19 23:59:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 03:56:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	380467	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.78	114	539988	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.92	117	426884	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	226281	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	195685	56.09	ug/l	0.03
Spiked Amount 50.000			Recovery	=	112.18%	
35) Dibromofluoromethane	4.32	113	258001	54.62	ug/l	0.02
Spiked Amount 50.000			Recovery	=	109.24%	
50) Toluene-d8	7.72	98	654663	54.75	ug/l	0.02
Spiked Amount 50.000			Recovery	=	109.50%	
62) 4-Bromofluorobenzene	11.50	95	258765	56.26	ug/l	0.02
Spiked Amount 50.000			Recovery	=	112.52%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	277981	48.078	ug/l	99
3) Chloromethane	1.16	50	262686	43.956	ug/l	97
4) Vinyl Chloride	1.20	62	241725	47.080	ug/l	96
5) Bromomethane	1.41	94	151915	50.933	ug/l	96
6) Chloroethane	1.45	64	107454	50.062	ug/l	93
7) Trichlorofluoromethane	1.57	101	340553	52.210	ug/l	90
8) Diethyl Ether	1.71	74	63676	46.905	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.92	101	221150	49.630	ug/l	99
10) Methyl Iodide	1.99	142	398893	50.390	ug/l #	88
11) Tert butyl alcohol	2.72	59	60839	250.880	ug/l #	94
12) 1,1-Dichloroethene	1.88	96	207789	49.027	ug/l	98
13) Acrolein	2.11	56	30004	283.181	ug/l	97
14) Allyl chloride	2.21	41	218429	44.908	ug/l	95
15) Acrylonitrile	3.10	53	176544	239.023	ug/l	98
16) Acetone	2.36	43	189625	227.399	ug/l	96
17) Carbon Disulfide	1.93	76	559943	47.545	ug/l	97
18) Methyl Acetate	2.47	43	92126	51.455	ug/l	94
19) Methyl tert-butyl Ether	2.56	73	396156	52.941	ug/l	98
20) Methylene Chloride	2.34	84	220705m	54.446	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	200912	47.936	ug/l	100
22) Diisopropyl ether	2.95	45	623180	50.087	ug/l	98
23) Vinyl Acetate	3.36	43	1474298	248.704	ug/l	99
24) 1,1-Dichloroethane	3.02	63	347730	51.091	ug/l	97
25) 2-Butanone	4.54	43	379533	227.621	ug/l	95
26) 2,2-Dichloropropane	3.79	77	159485	46.413	ug/l	99
27) cis-1,2-Dichloroethene	3.66	96	271907	50.097	ug/l	98
28) Bromochloromethane	3.91	49	159184	48.824	ug/l #	91
29) Tetrahydrofuran	4.29	42	168116	222.753	ug/l	98
30) Chloroform	4.06	83	444839	53.181	ug/l	99
31) Cyclohexane	3.89	56	358717	43.980	ug/l	99
32) 1,1,1-Trichloroethane	4.30	97	330646	54.003	ug/l #	87
36) 1,1-Dichloropropene	4.48	75	328743	50.778	ug/l	99
37) Ethyl Acetate	4.33	43	145158	47.514	ug/l #	96
38) Carbon Tetrachloride	4.20	117	308468m	53.829	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041919\
 Data File : VF062236.D
 Acq On : 19 Apr 2019 21:01
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 6:56:01 AM

Quant Time: Apr 19 23:59:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 03:56:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	365357	47.133	ug/l	99
40) Benzene	4.84	78	843837	49.692	ug/l	99
41) Methacrylonitrile	4.95	41	80955	45.939	ug/l #	88
42) 1,2-Dichloroethane	5.14	62	241851	53.873	ug/l	96
43) Isopropyl Acetate	7.12	43	166034	51.673	ug/l #	99
44) Trichloroethene	5.70	130	244552	53.294	ug/l	99
45) 1,2-Dichloropropane	6.42	63	186229	49.786	ug/l	98
46) Dibromomethane	6.27	93	127610	51.276	ug/l	91
47) Bromodichloromethane	6.55	83	324005	57.693	ug/l	97
48) Methyl methacrylate	6.89	41	108422	51.345	ug/l	97
49) 1,4-Dioxane	6.89	88	24959	1030.635	ug/l	96
51) 4-Methyl-2-Pentanone	8.42	43	568680	237.953	ug/l	98
52) Toluene	7.79	92	468910	52.385	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	216994	51.443	ug/l	96
54) cis-1,3-Dichloropropene	7.47	75	288219	50.514	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	139617	55.677	ug/l	94
56) Ethyl methacrylate	8.76	69	148279	52.009	ug/l	97
57) 1,3-Dichloropropane	9.01	76	214617	53.002	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.46	63	215234	260.021	ug/l	96
59) 2-Hexanone	9.63	43	382794	256.848	ug/l	95
60) Dibromochloromethane	8.87	129	212136	56.883	ug/l	98
61) 1,2-Dibromoethane	9.15	107	153536	54.346	ug/l	99
64) Tetrachloroethene	8.32	164	212030	55.022	ug/l	98
65) Chlorobenzene	9.94	112	489712	53.800	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	224775	52.732	ug/l	98
67) Ethyl Benzene	10.04	91	804140	48.584	ug/l	99
68) m/p-Xylenes	10.27	106	627063	102.914	ug/l	97
69) o-Xylene	10.83	106	351431	51.949	ug/l	97
70) Styrene	10.90	104	520530	54.524	ug/l	99
71) Bromoform	10.89	173	131155	58.276	ug/l #	99
73) Isopropylbenzene	11.23	105	989230	50.892	ug/l	99
74) N-amyl acetate	11.45	43	246060	53.508	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	169899	50.825	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	117606m	51.136	ug/l	
77) Bromobenzene	11.59	156	244264	58.662	ug/l	90
78) n-propylbenzene	11.68	91	1003888	48.958	ug/l	99
79) 2-Chlorotoluene	11.81	91	636554	51.177	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	828379	51.169	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	50704m	43.229	ug/l	
82) 4-Chlorotoluene	11.98	91	604924	50.323	ug/l	96
83) tert-Butylbenzene	12.20	119	865047	51.670	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	785332	50.129	ug/l	99
85) sec-Butylbenzene	12.38	105	1090112	50.154	ug/l	98
86) p-Isopropyltoluene	12.53	119	939328	50.947	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	413305	53.489	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	391199	52.488	ug/l	99
89) n-Butylbenzene	12.90	91	829140	55.224	ug/l	99
90) Hexachloroethane	12.98	117	250628	52.936	ug/l	91
91) 1,2-Dichlorobenzene	13.01	146	399861	53.593	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	32851	50.019	ug/l	88

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF041919\
Data File : VF062236.D
Acq On : 19 Apr 2019 21:01
Operator : FY/SY
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

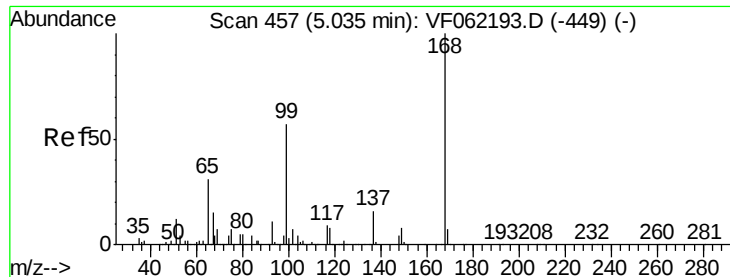
Manual Integrations
APPROVED

MMDadoda
4/23/2019 6:56:01 AM

Quant Time: Apr 19 23:59:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
Quant Title : SW846 8260
QLast Update : Fri Apr 19 03:56:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	335334	53.717	ug/l	99
94) Hexachlorobutadiene	14.23	225	241532	56.426	ug/l	99
95) Naphthalene	14.50	128	605514	55.474	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	332778	55.527	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.03 min

Lab File: VF062236.D

Acq: 19 Apr 2019 21:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 380467

Ion Ratio Lower Upper

168 100

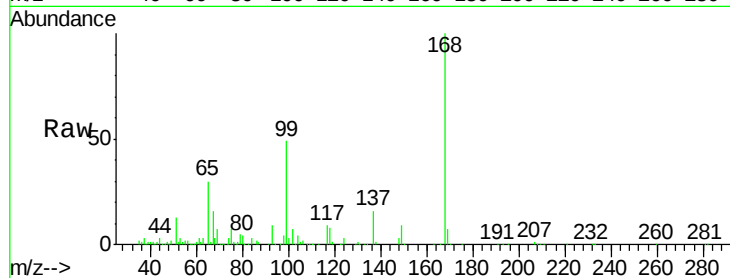
99 49.3 45.5 68.3

Manual Integrations

APPROVED

MMDadoda

4/23/2019 6:56:01 AM



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.06

150000

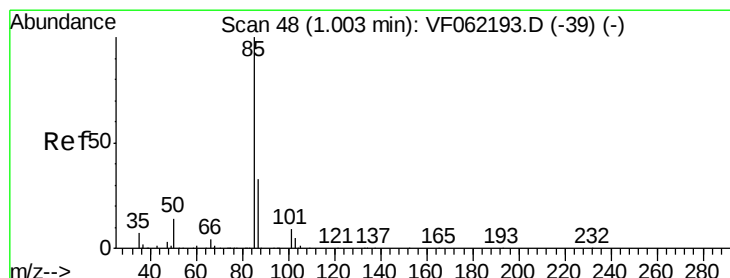
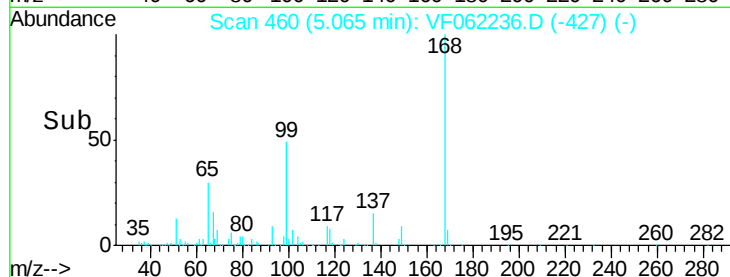
100000

50000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#2

Dichlorodifluoromethane

Concen: 48.078 ug/l

RT: 1.00 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062236.D

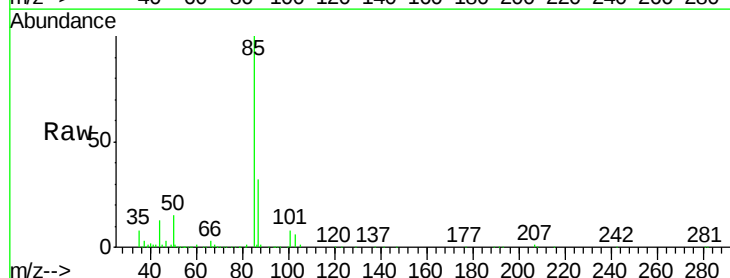
Acq: 19 Apr 2019 21:01

Tgt Ion: 85 Resp: 277981

Ion Ratio Lower Upper

85 100

87 32.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

80000

60000

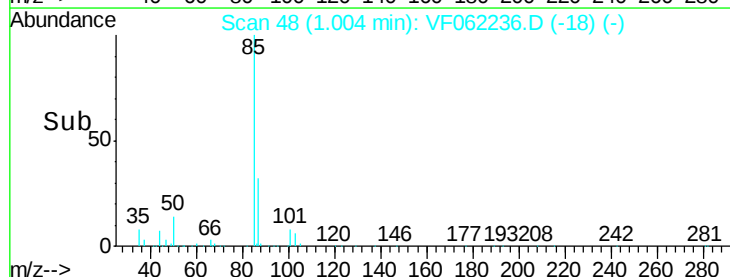
40000

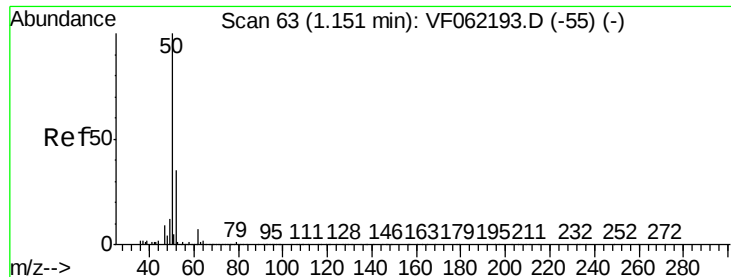
20000

0

Time-->

0.80 1.00 1.20





#3

Chloromethane

Concen: 43.956 ug/l

RT: 1.16 min Scan# 64

Delta R.T. 0.01 min

Lab File: VF062236.D

Acq: 19 Apr 2019 21:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 262686

Ion Ratio Lower Upper

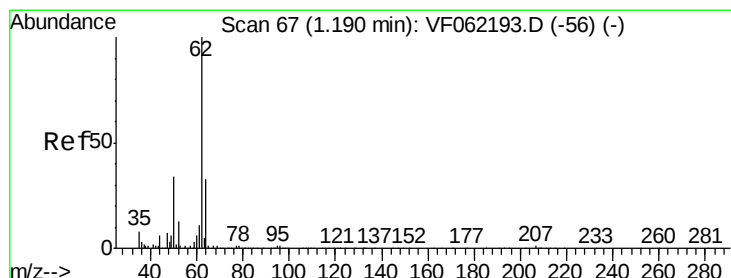
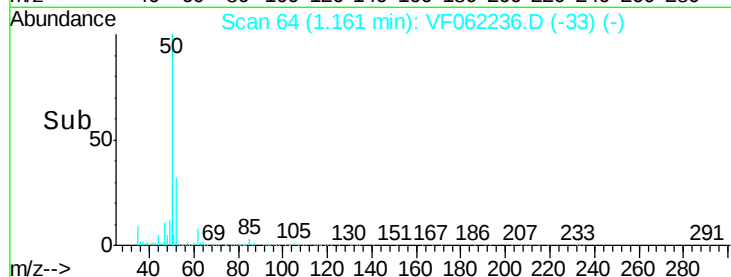
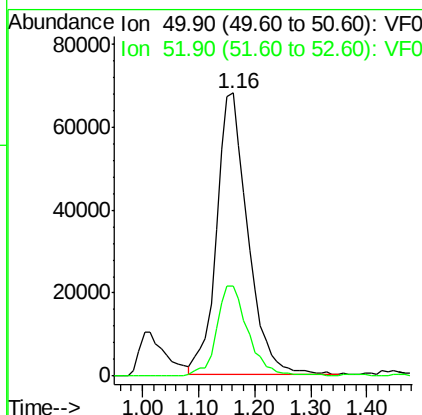
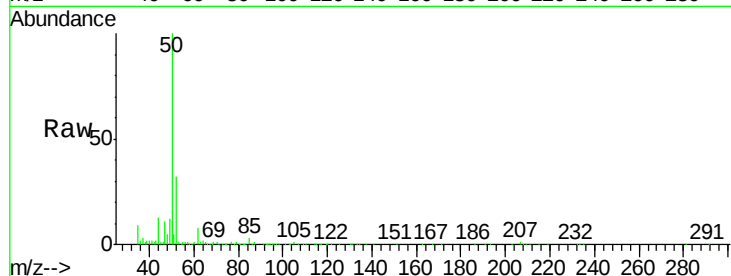
50 100

52 31.9 27.0 40.4

Manual Integrations
APPROVED

MMDadoda

4/23/2019 6:56:01 AM



#4

Vinyl Chloride

Concen: 47.080 ug/l

RT: 1.20 min Scan# 68

Delta R.T. 0.01 min

Lab File: VF062236.D

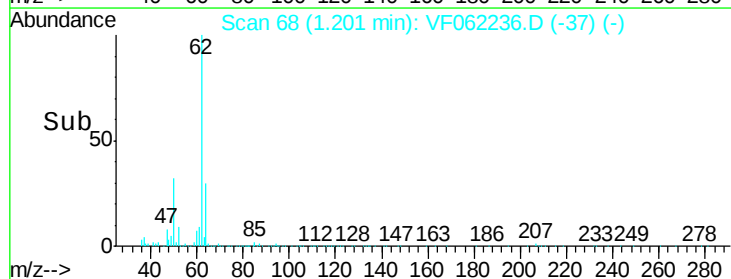
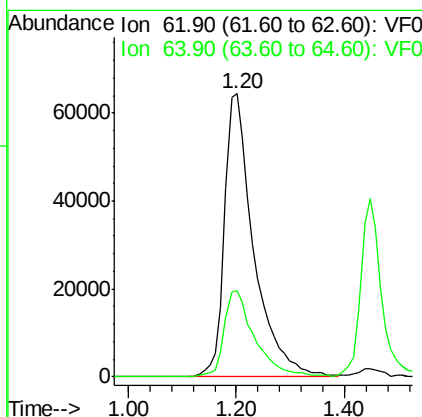
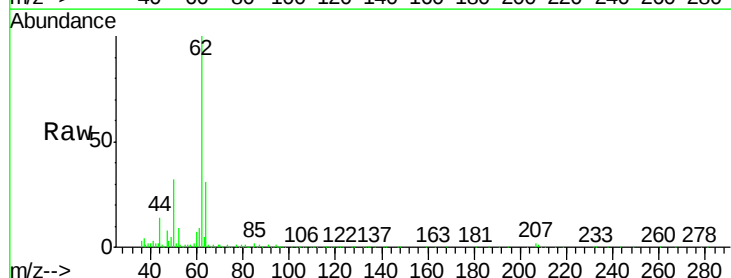
Acq: 19 Apr 2019 21:01

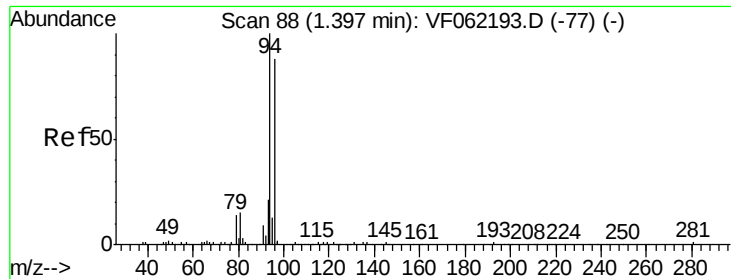
Tgt Ion: 62 Resp: 241725

Ion Ratio Lower Upper

62 100

64 30.5 26.2 39.4





#5

Bromomethane

Concen: 50.933 ug/l

RT: 1.41 min Scan# 89

Delta R.T. 0.01 min

Lab File: VF062236.D

Acq: 19 Apr 2019 21:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 151915

Ion Ratio Lower Upper

94 100

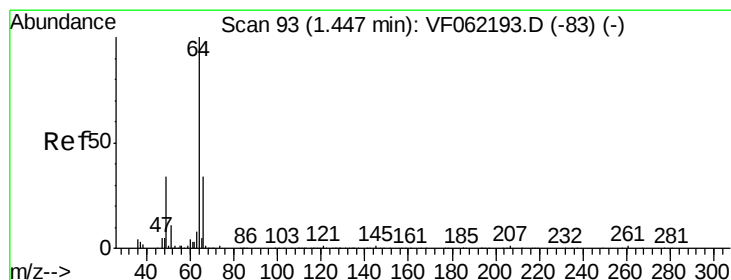
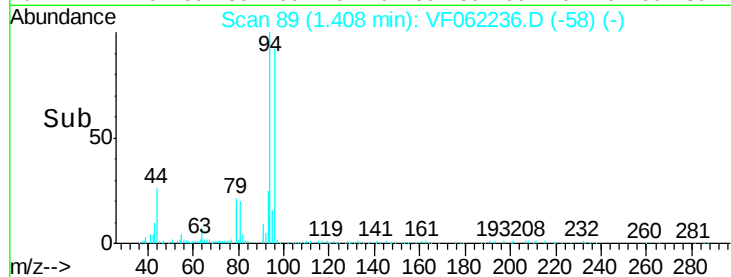
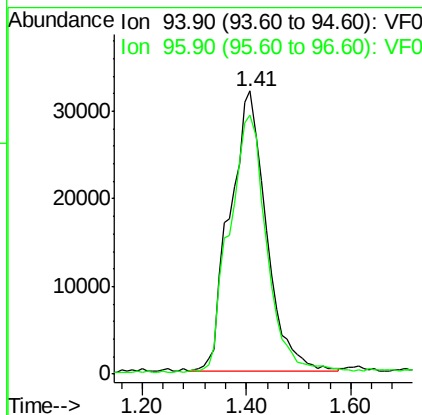
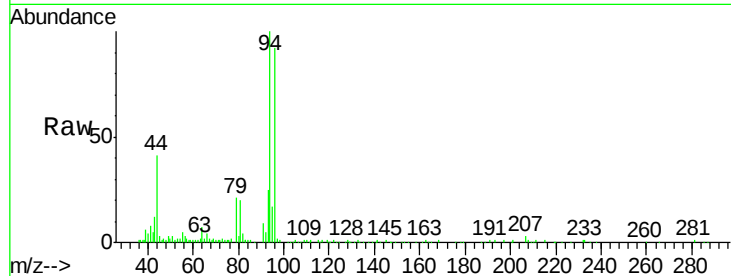
96 91.6 70.2 105.4

Manual Integrations

APPROVED

MMDadoda

4/23/2019 6:56:01 AM



#6

Chloroethane

Concen: 50.062 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.00 min

Lab File: VF062236.D

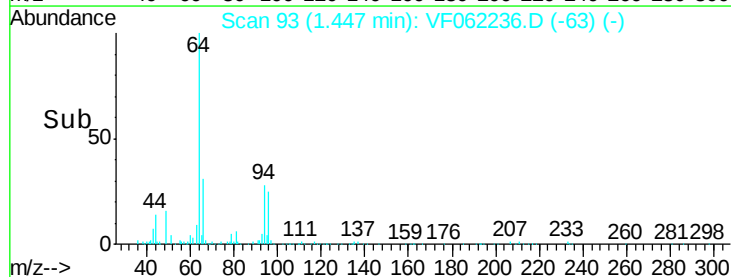
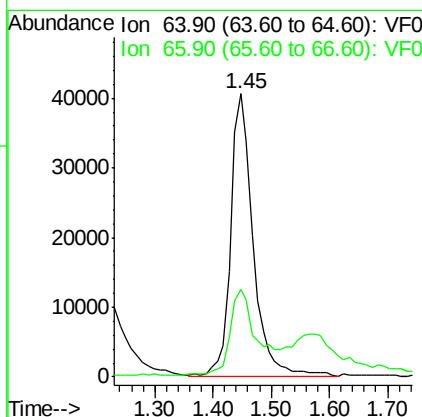
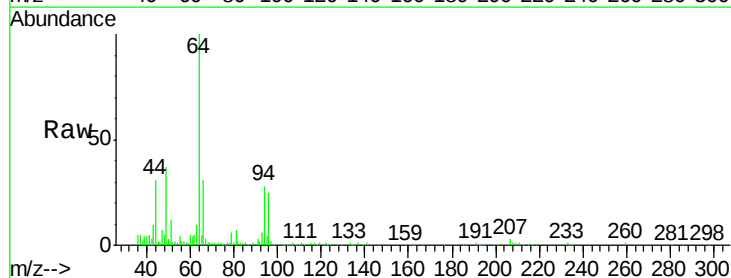
Acq: 19 Apr 2019 21:01

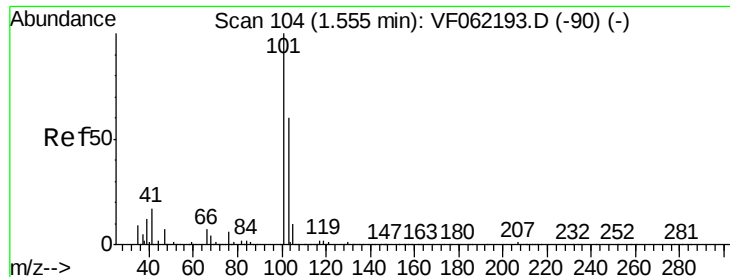
Tgt Ion: 64 Resp: 107454

Ion Ratio Lower Upper

64 100

66 30.0 27.0 40.4





#7

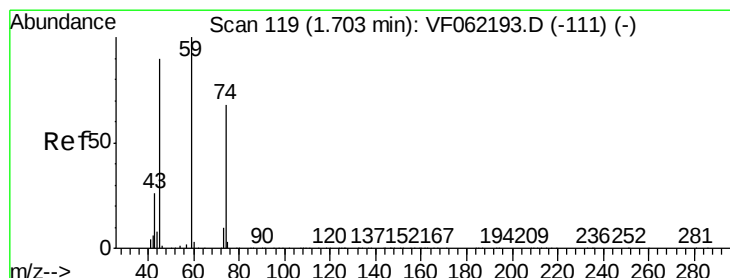
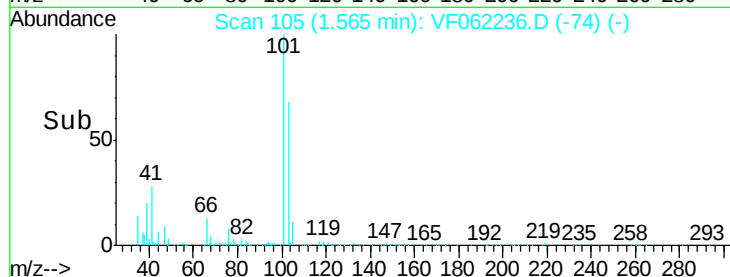
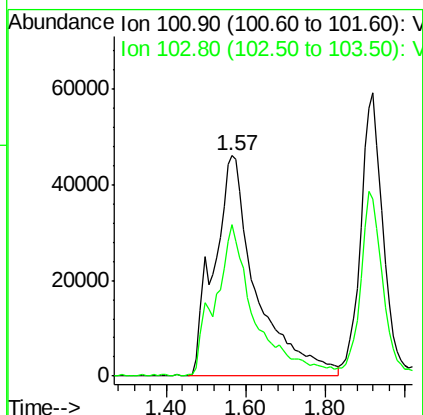
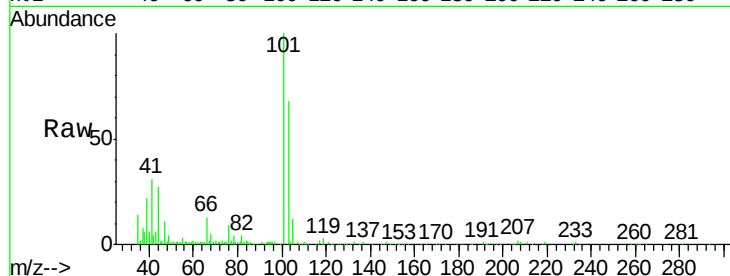
Trichlorofluoromethane
Concen: 52.210 ug/l
RT: 1.57 min Scan# 105
Delta R.T. 0.01 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 340553
Ion Ratio Lower Upper
101 100
103 67.8 48.2 72.4

Manual Integrations
APPROVED

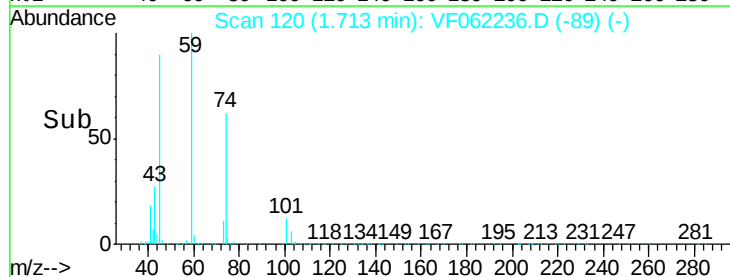
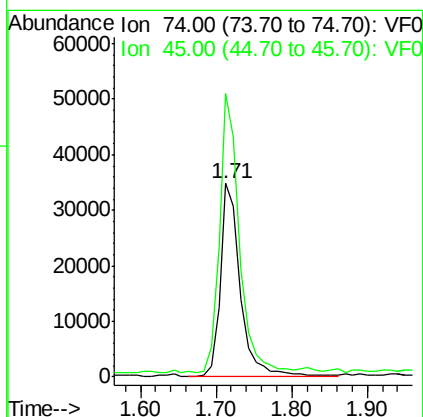
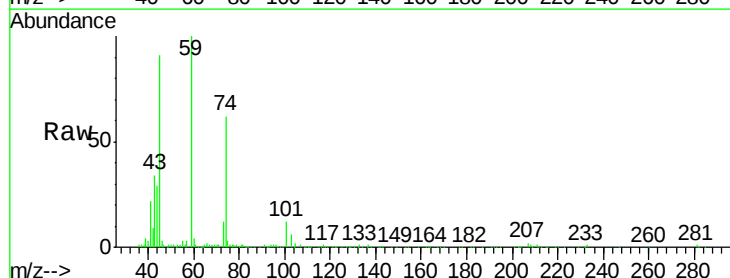
MMDadoda
4/23/2019 6:56:01 AM

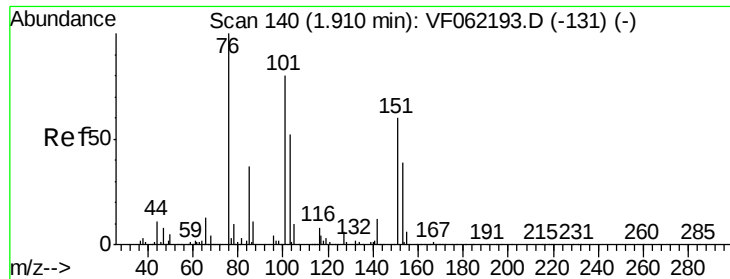


#8

Diethyl Ether
Concen: 46.905 ug/l
RT: 1.71 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Tgt Ion: 74 Resp: 63676
Ion Ratio Lower Upper
74 100
45 143.1 70.0 210.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.630 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062236.D

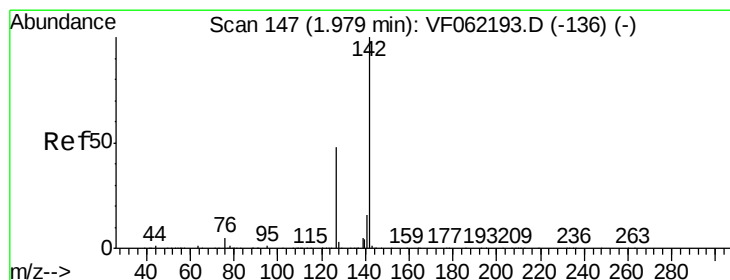
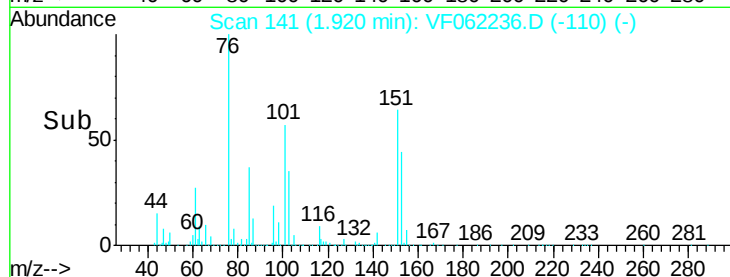
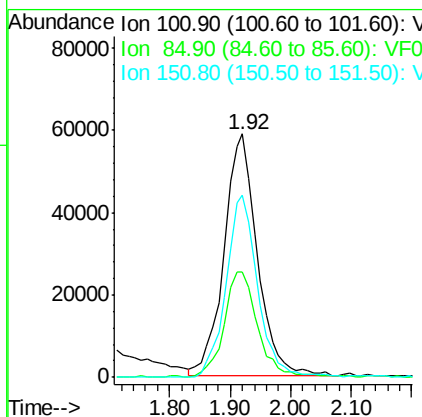
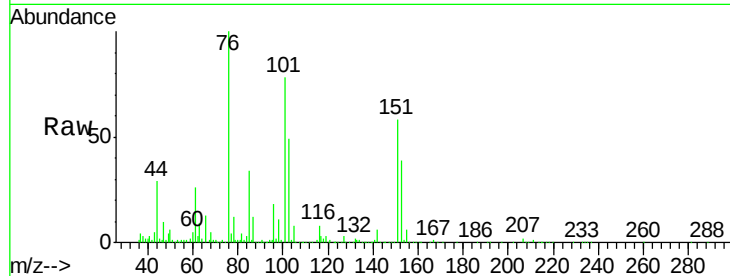
Acq: 19 Apr 2019 21:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	221150		
85	43.3	35.3	52.9	
151	72.3	57.5	86.3	

Manual Integrations
APPROVED

MMDadoda
4/23/2019 6:56:01 AM



#10

Methyl Iodide

Concen: 50.390 ug/l

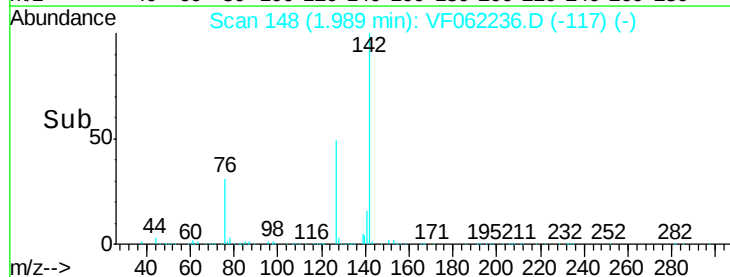
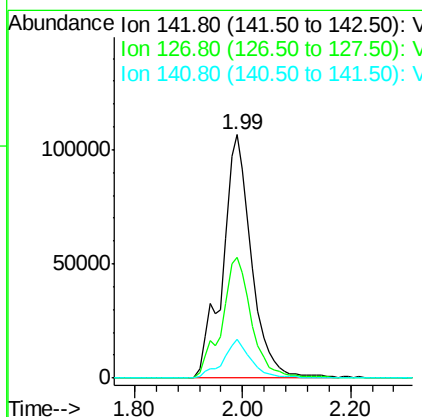
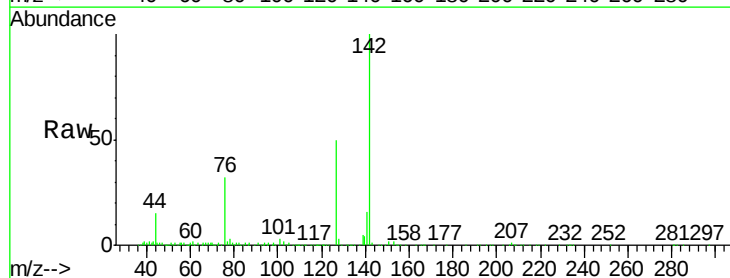
RT: 1.99 min Scan# 148

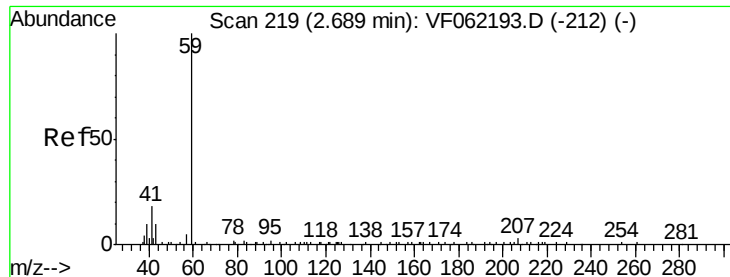
Delta R.T. 0.01 min

Lab File: VF062236.D

Acq: 19 Apr 2019 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	398893		
127	51.0	33.0	49.4#	
141	15.4	12.7	19.1	





#11

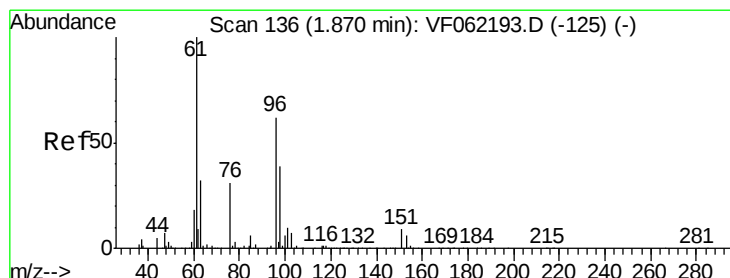
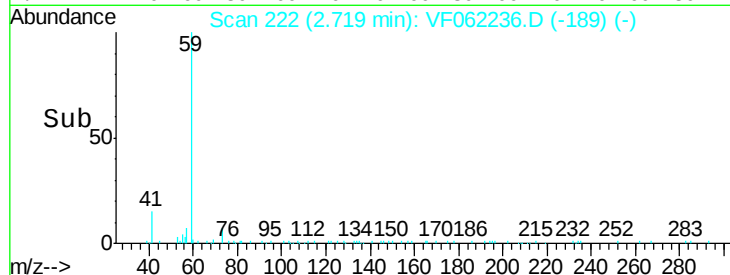
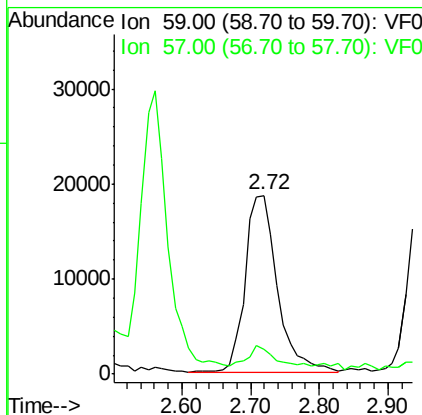
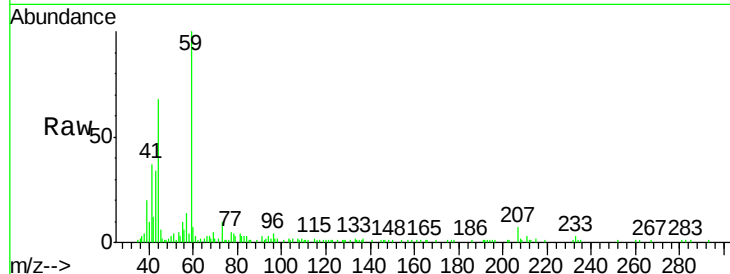
Tert butyl alcohol
Concen: 250.880 ug/l
RT: 2.72 min Scan# 222
Delta R.T. 0.03 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.1	9.3	13.9#

Manual Integrations
APPROVED

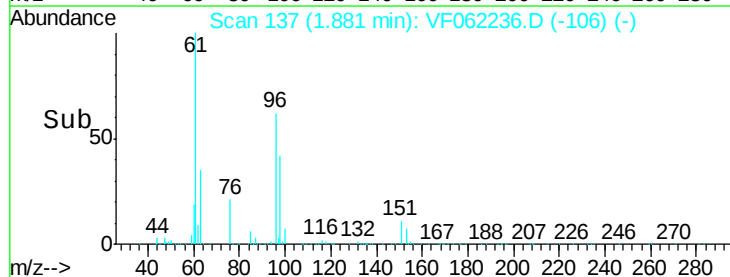
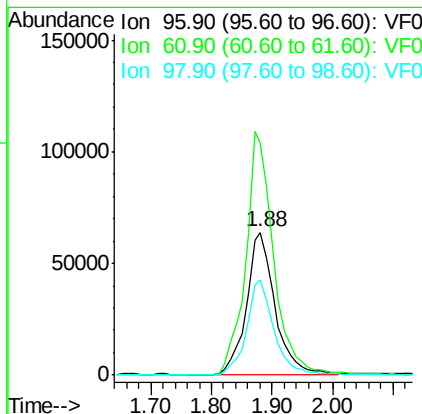
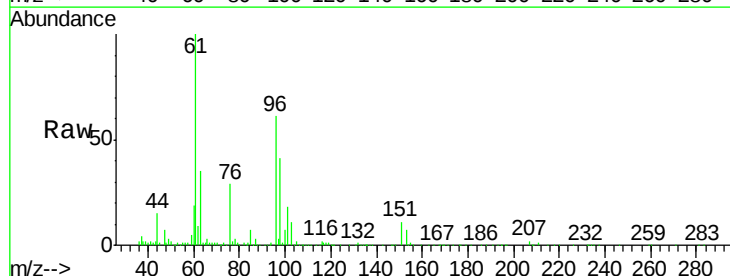
MMDadoda
4/23/2019 6:56:01 AM

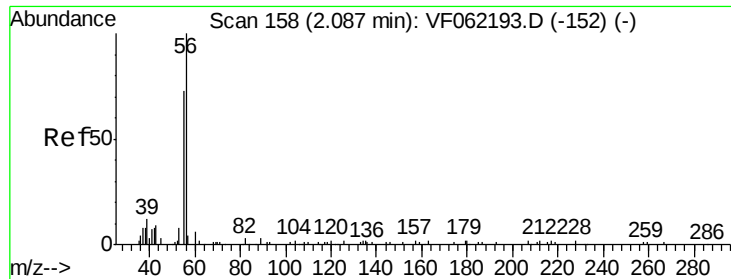


#12

1,1-Dichloroethene
Concen: 49.027 ug/l
RT: 1.88 min Scan# 137
Delta R.T. 0.01 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.1	129.1	193.7
98	66.5	50.0	75.0





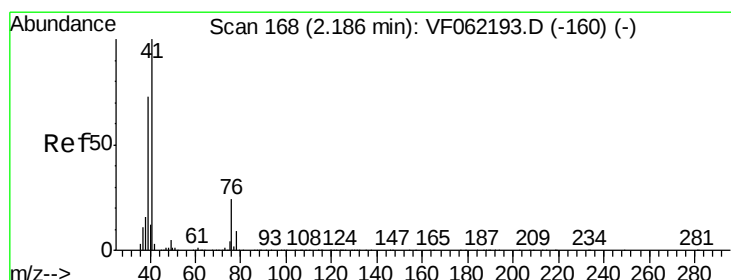
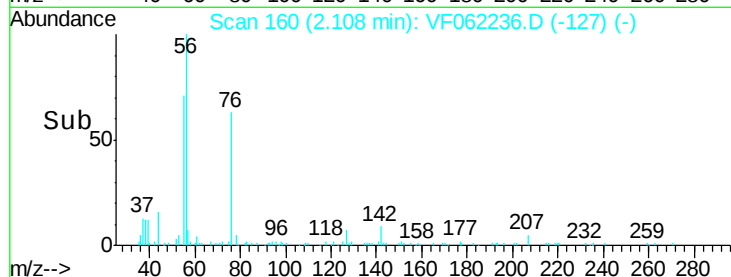
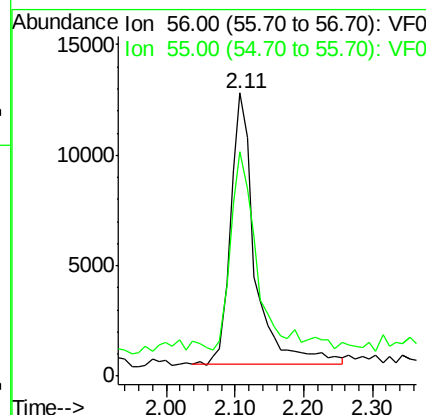
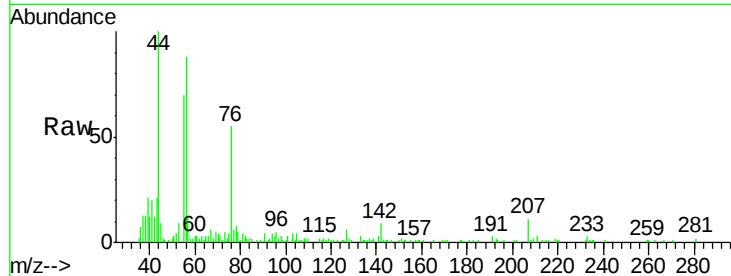
#13
Acrolein
Concen: 283.181 ug/l
RT: 2.11 min Scan# 160
Delta R.T. 0.02 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 30004
Ion Ratio Lower Upper
56 100
55 73.8 57.4 86.0

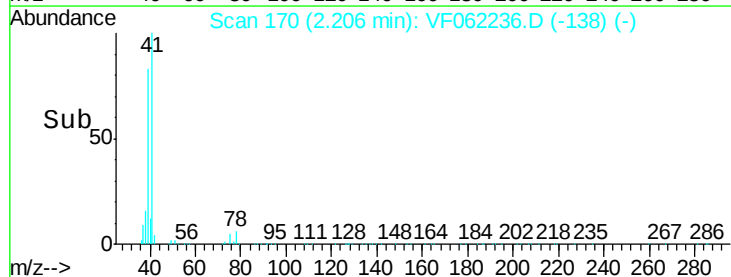
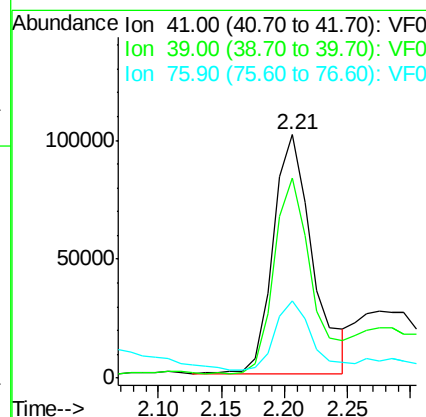
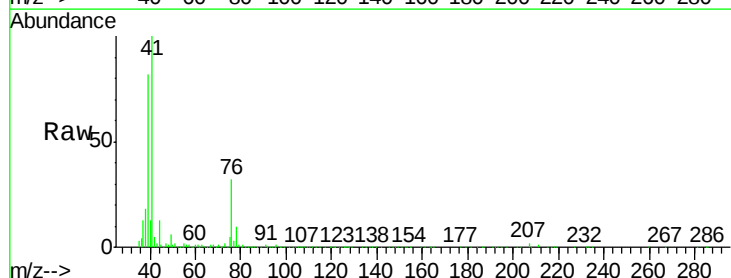
Manual Integrations
APPROVED

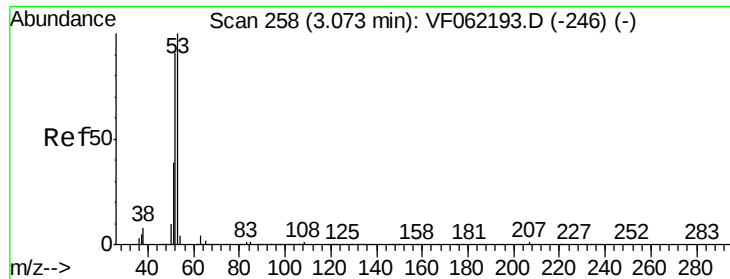
MMDadoda
4/23/2019 6:56:01 AM



#14
Allyl chloride
Concen: 44.908 ug/l
RT: 2.21 min Scan# 170
Delta R.T. 0.02 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Tgt Ion: 41 Resp: 218429
Ion Ratio Lower Upper
41 100
39 79.6 60.0 90.0
76 28.0 20.6 30.8





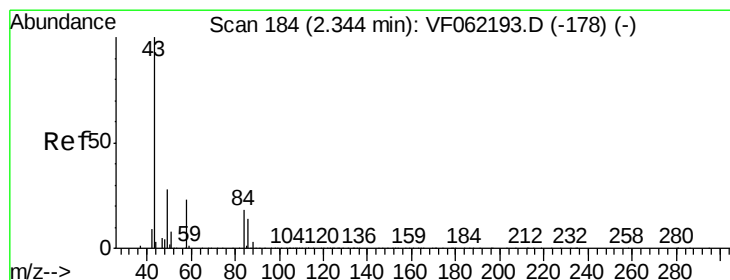
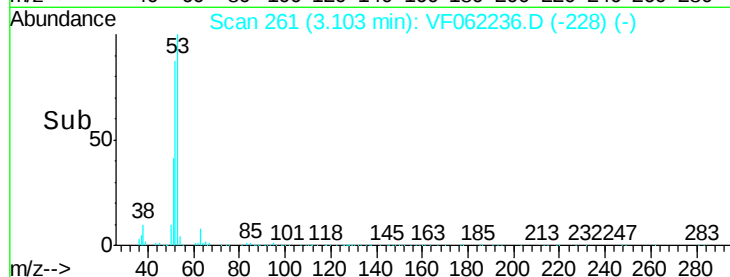
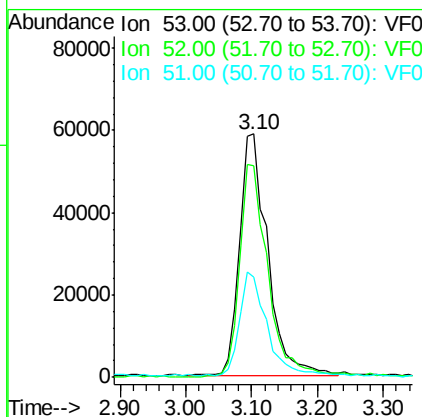
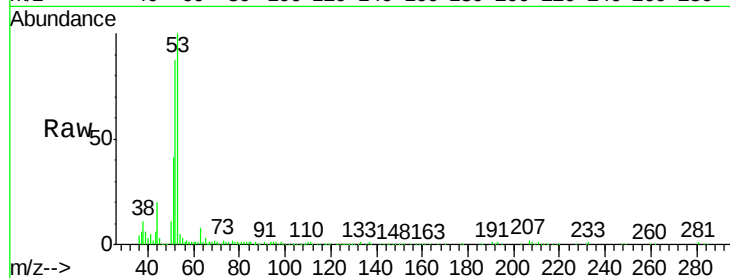
#15
 Acrylonitrile
 Concen: 239.023 ug/l
 RT: 3.10 min Scan# 261
 Delta R.T. 0.03 min
 Lab File: VF062236.D
 Acq: 19 Apr 2019 21:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	53	Resp:	176544
Ion	Ratio	Lower	Upper
53	100		
52	88.2	69.5	104.3
51	42.3	31.8	47.8

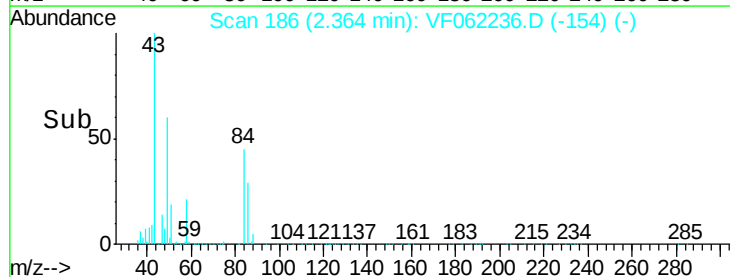
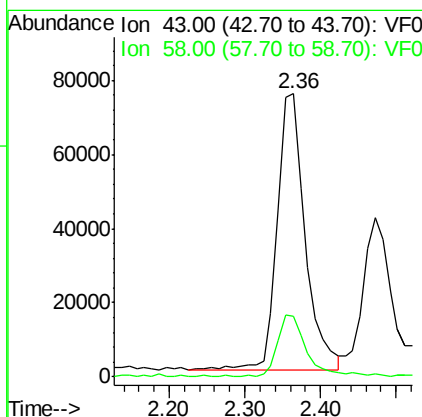
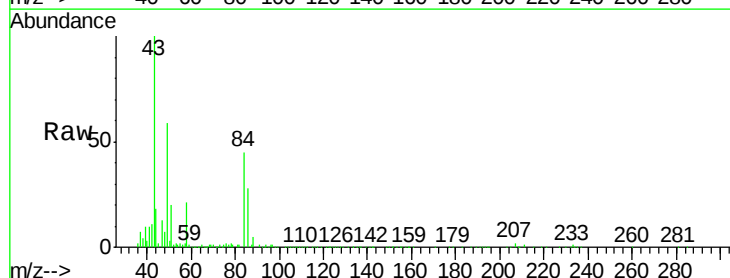
Manual Integrations
 APPROVED

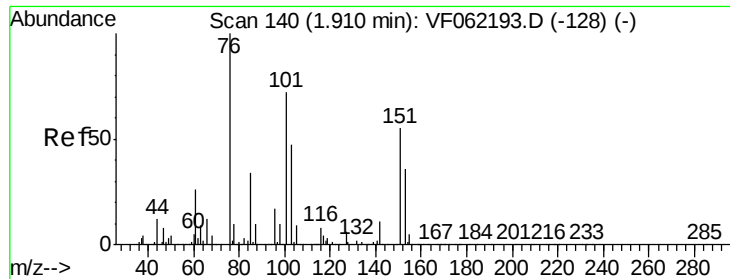
MMDadoda
 4/23/2019 6:56:01 AM



#16
 Acetone
 Concen: 227.399 ug/l
 RT: 2.36 min Scan# 186
 Delta R.T. 0.02 min
 Lab File: VF062236.D
 Acq: 19 Apr 2019 21:01

Tgt Ion:	43	Resp:	189625
Ion	Ratio	Lower	Upper
43	100		
58	21.7	18.8	28.2





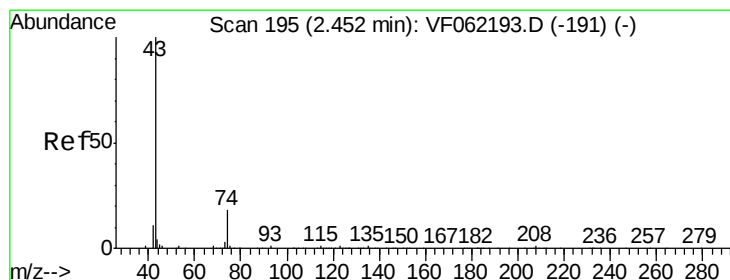
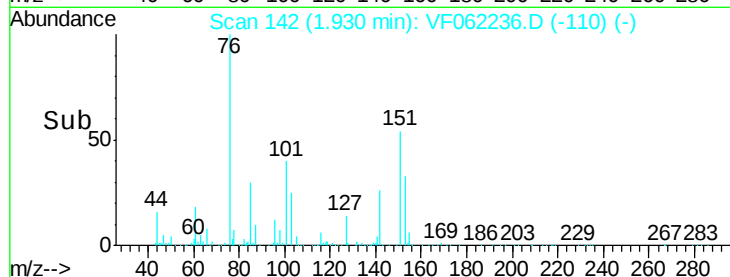
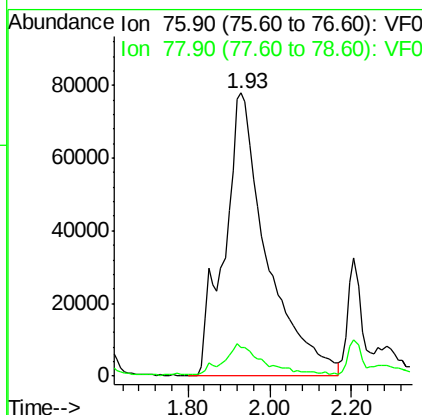
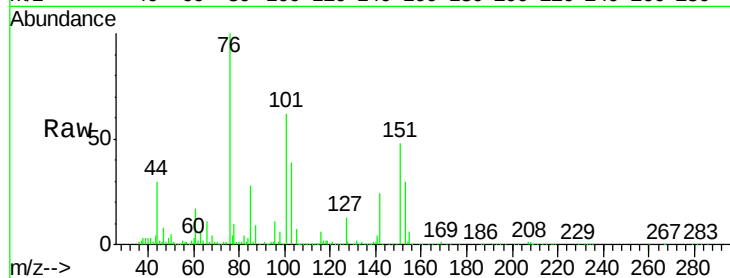
#17
Carbon Disulfide
Concen: 47.545 ug/l
RT: 1.93 min Scan# 142
Delta R.T. 0.02 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 559943
Ion Ratio Lower Upper
76 100
78 9.6 8.7 13.1

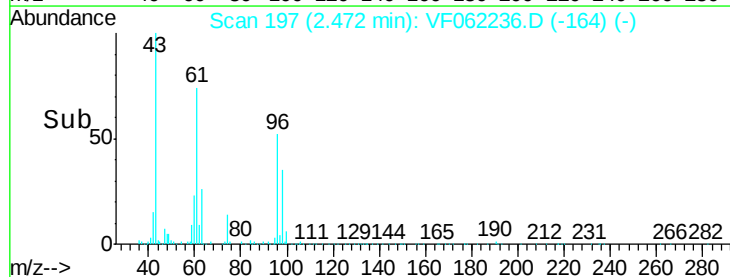
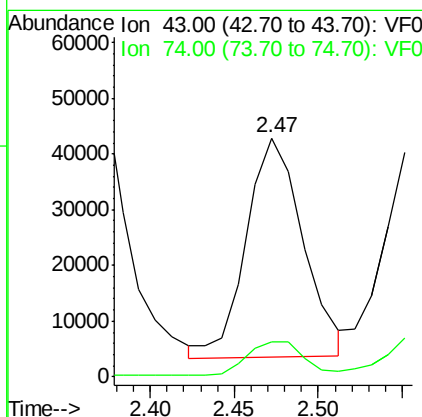
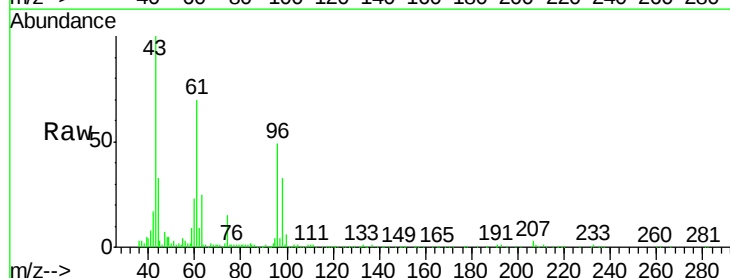
Manual Integrations
APPROVED

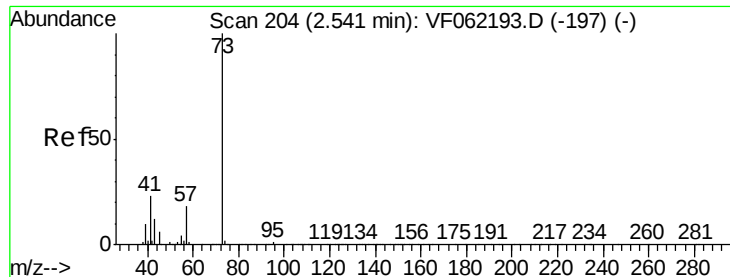
MMDadoda
4/23/2019 6:56:01 AM



#18
Methyl Acetate
Concen: 51.455 ug/l
RT: 2.47 min Scan# 197
Delta R.T. 0.02 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Tgt Ion: 43 Resp: 92126
Ion Ratio Lower Upper
43 100
74 15.6 14.5 21.7





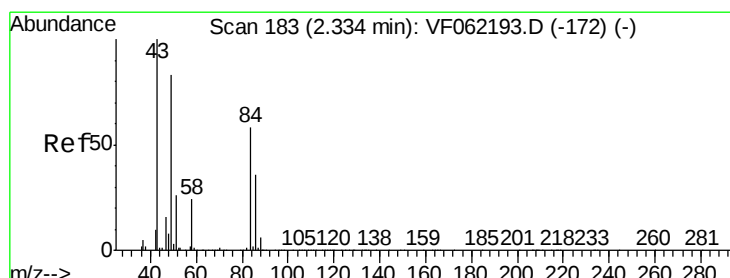
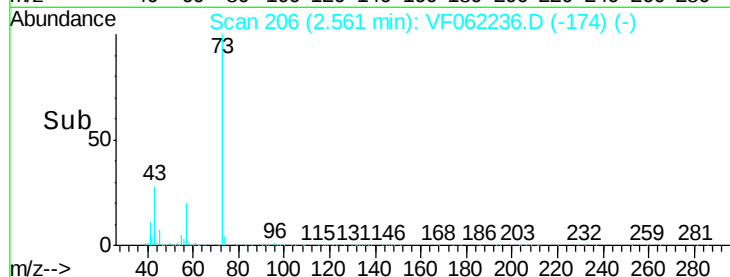
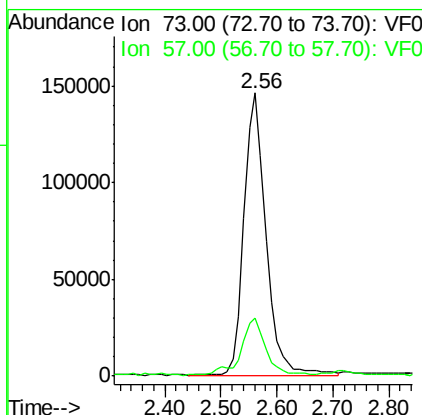
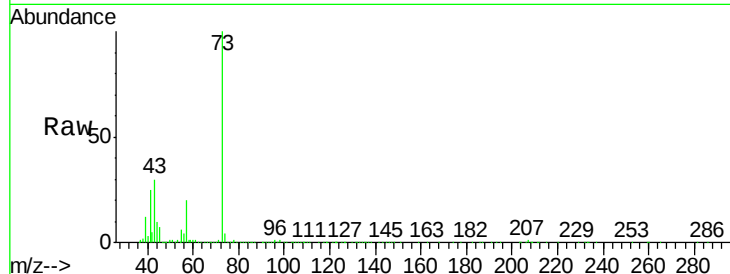
#19
Methvl tert-butvl Ether
Concen: 52.941 ug/l
RT: 2.56 min Scan# 206
Delta R.T. 0.02 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.9	15.1	22.7

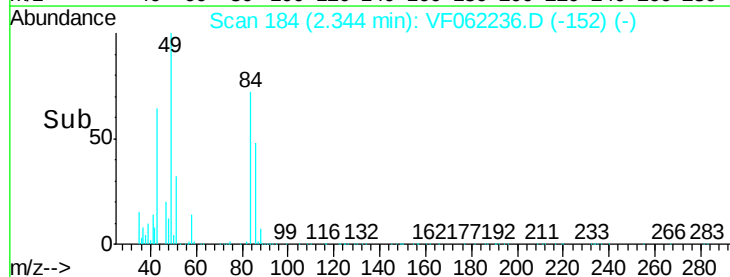
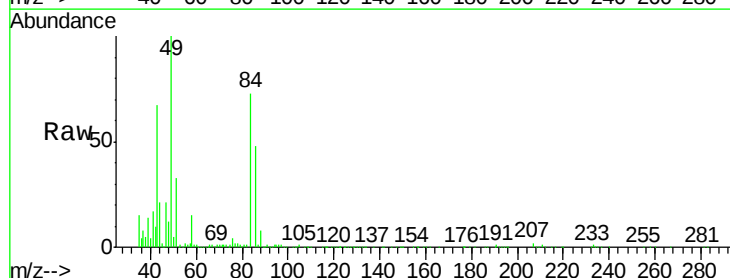
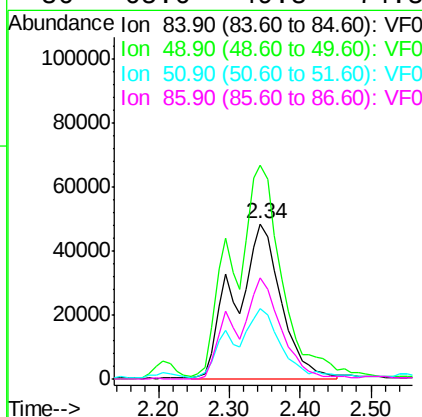
Manual Integrations
APPROVED

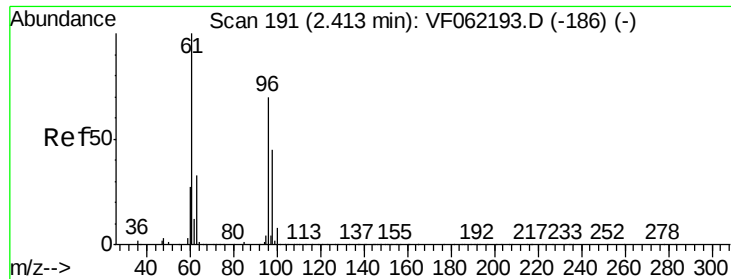
MMDadoda
4/23/2019 6:56:01 AM



#20
Methylene Chloride
Concen: 54.446 ug/l m
RT: 2.34 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.6	114.0	171.0
51	45.4	37.0	55.4
86	65.6	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 47.936 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.02 min

Lab File: VF062236.D

Acq: 19 Apr 2019 21:01

Instrument :

MSVOA_F

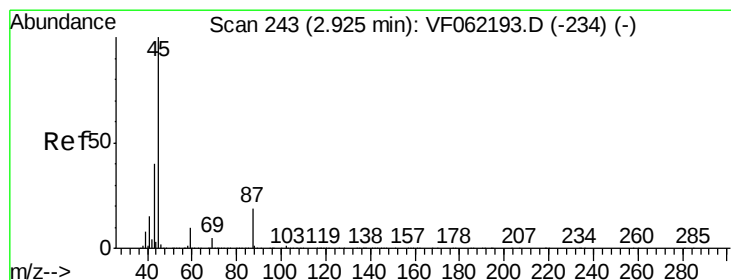
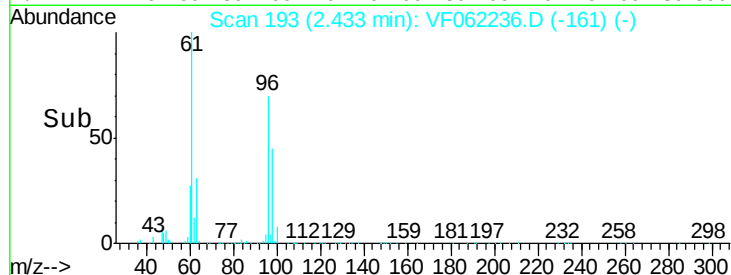
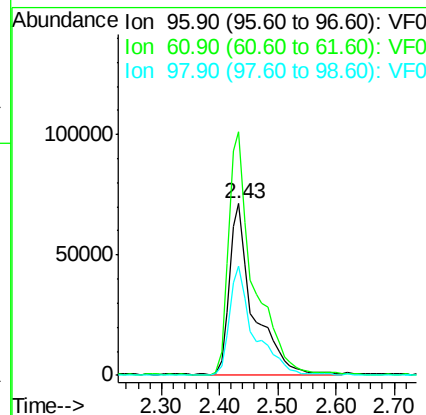
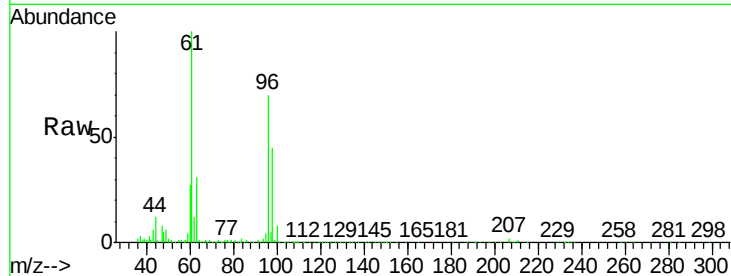
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	200912
Ion Ratio	Lower	Upper	
96	100		
61	142.9	114.6	172.0
98	63.5	51.2	76.8

Manual Integrations
APPROVED

MMDadoda
4/23/2019 6:56:01 AM



#22

Diisopropyl ether

Concen: 50.087 ug/l

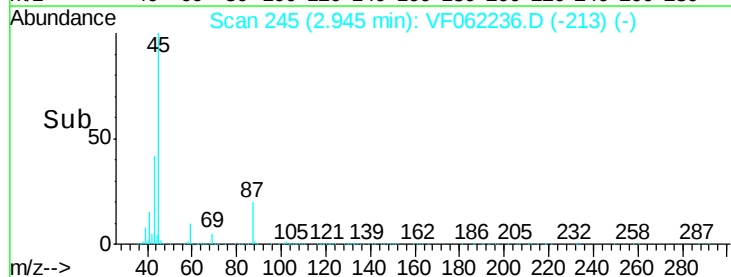
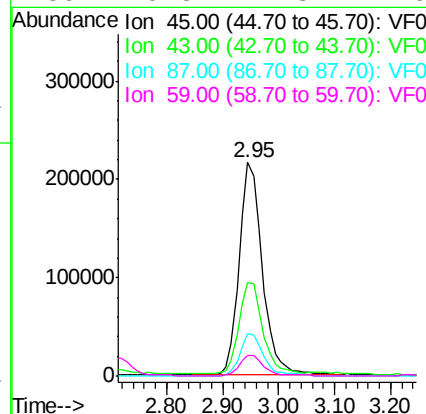
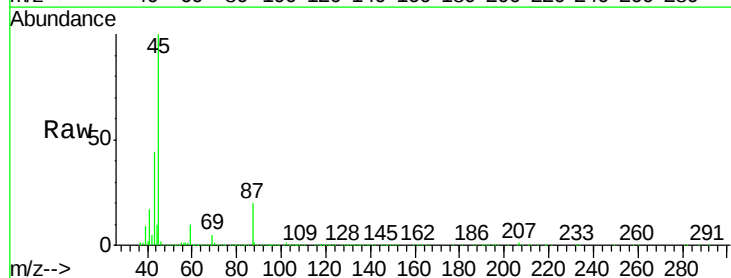
RT: 2.95 min Scan# 245

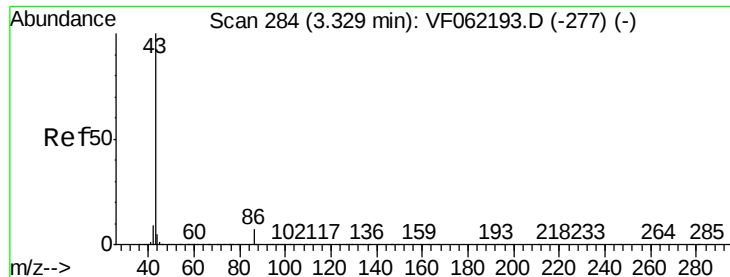
Delta R.T. 0.02 min

Lab File: VF062236.D

Acq: 19 Apr 2019 21:01

Tgt Ion:	45	Resp:	623180
Ion Ratio	Lower	Upper	
45	100		
43	43.0	32.8	49.2
87	19.5	15.2	22.8
59	9.8	7.8	11.6





#23

Vinyl Acetate

Concen: 248.704 ug/l

RT: 3.36 min Scan# 287

Delta R.T. 0.03 min

Lab File: VF062236.D

Acq: 19 Apr 2019 21:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1474298

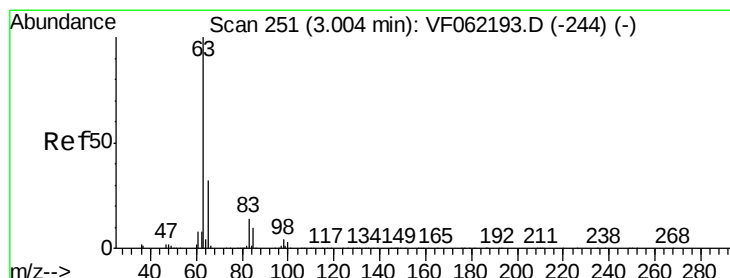
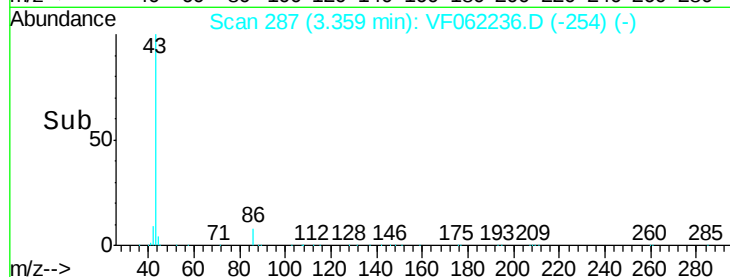
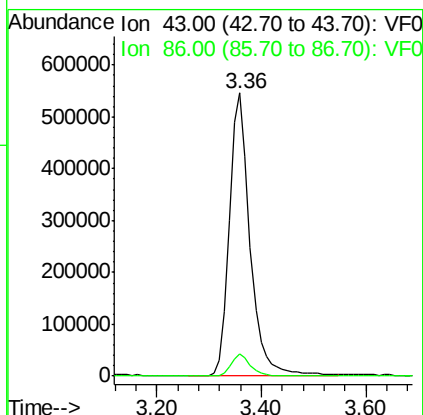
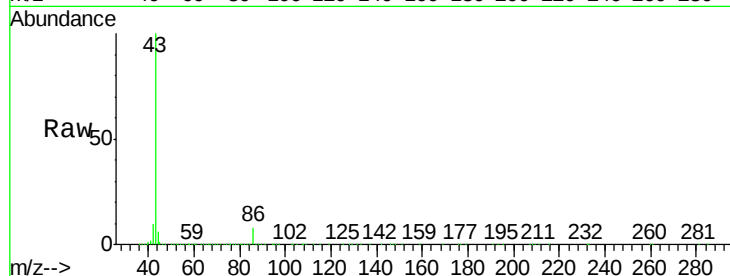
Ion Ratio Lower Upper

43 100

86 7.7 5.9 8.9

Manual Integrations
APPROVED

MMDadoda
4/23/2019 6:56:01 AM



#24

1,1-Dichloroethane

Concen: 51.091 ug/l

RT: 3.02 min Scan# 253

Delta R.T. 0.02 min

Lab File: VF062236.D

Acq: 19 Apr 2019 21:01

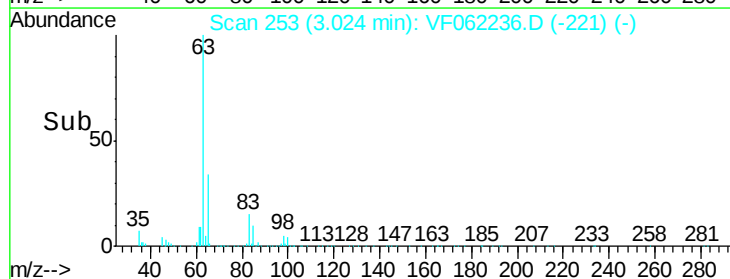
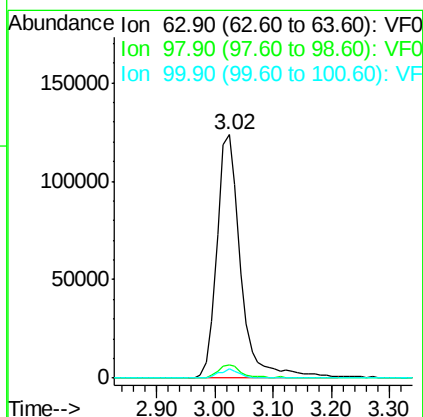
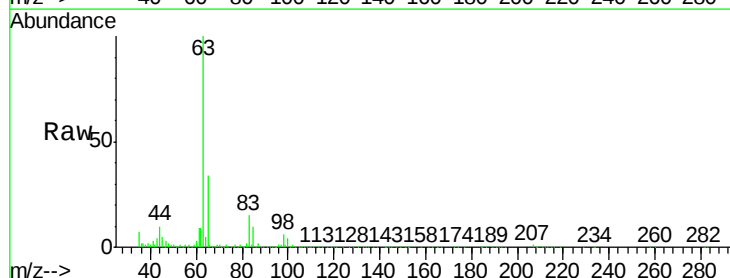
Tgt Ion: 63 Resp: 347730

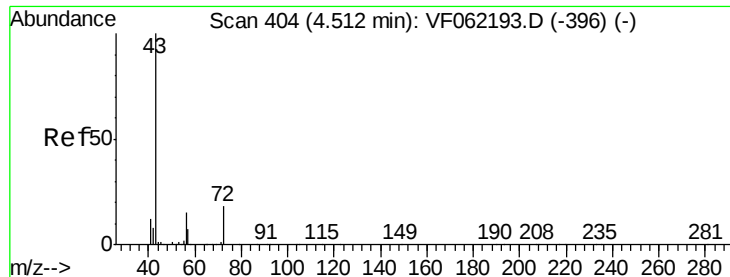
Ion Ratio Lower Upper

63 100

98 5.6 2.3 6.8

100 3.8 1.7 5.0





#25

2-Butanone

Concen: 227.621 ug/l

RT: 4.54 min Scan# 407

Delta R.T. 0.03 min

Lab File: VF062236.D

Acq: 19 Apr 2019 21:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 379533

Ion Ratio Lower Upper

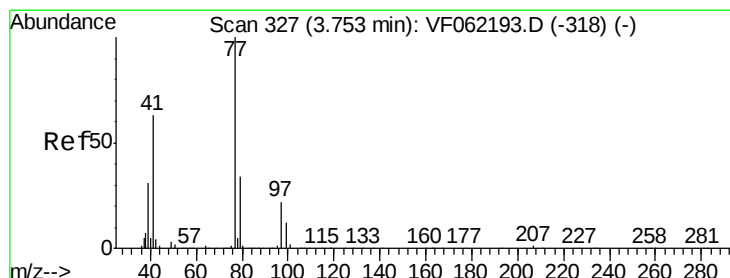
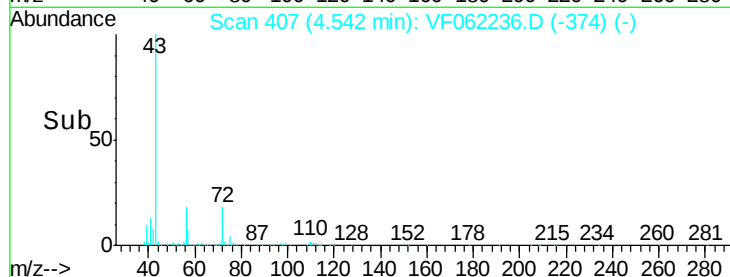
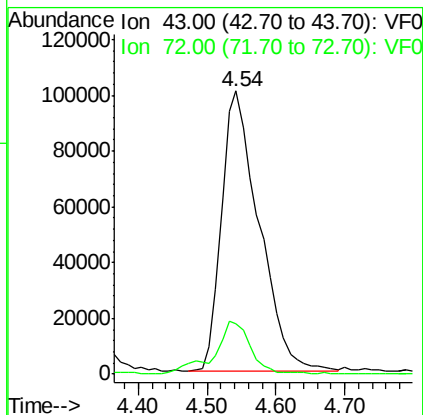
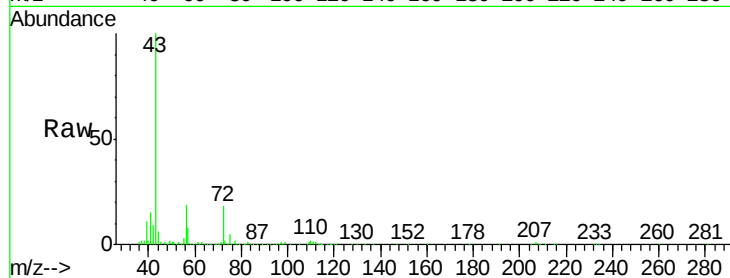
43 100

72 17.8 16.1 24.1

Manual Integrations
APPROVED

MMDadoda

4/23/2019 6:56:01 AM



#26

2,2-Dichloropropane

Concen: 46.413 ug/l

RT: 3.79 min Scan# 331

Delta R.T. 0.04 min

Lab File: VF062236.D

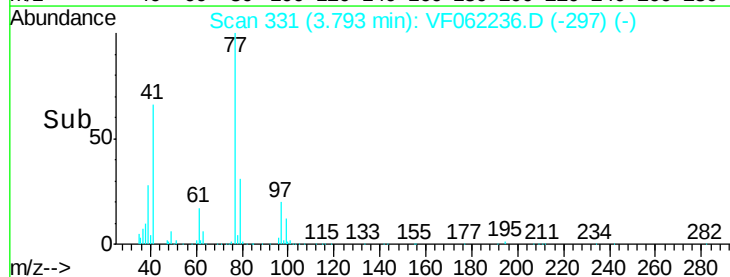
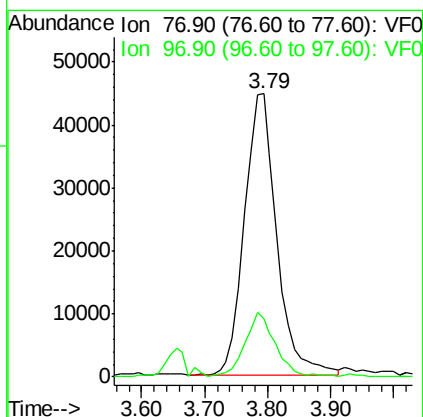
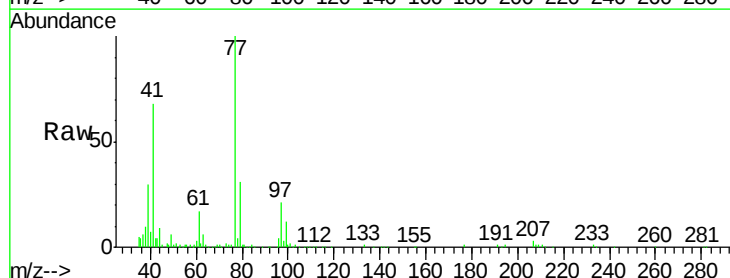
Acq: 19 Apr 2019 21:01

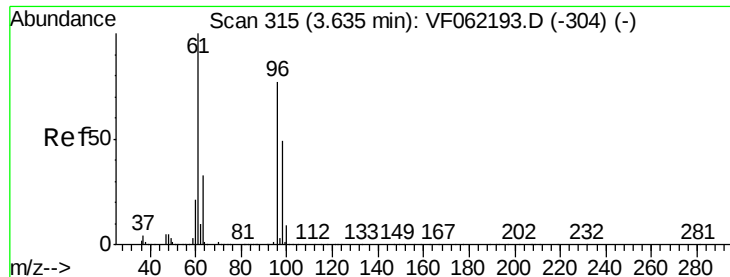
Tgt Ion: 77 Resp: 159485

Ion Ratio Lower Upper

77 100

97 21.8 11.1 33.3





#27

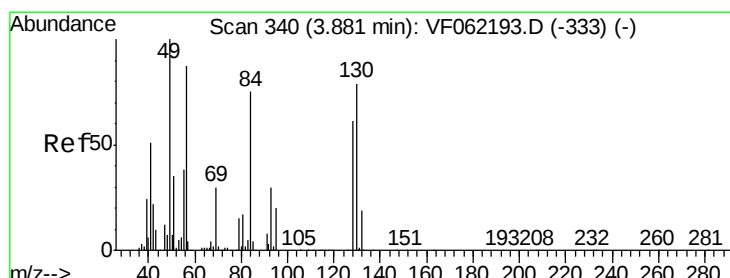
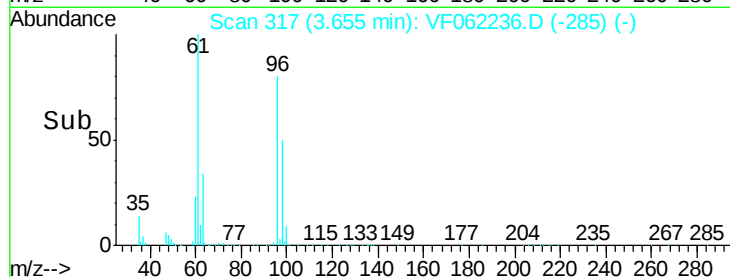
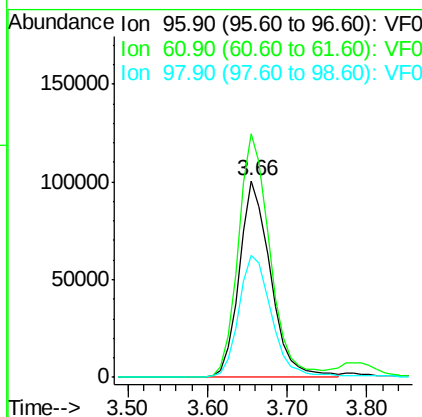
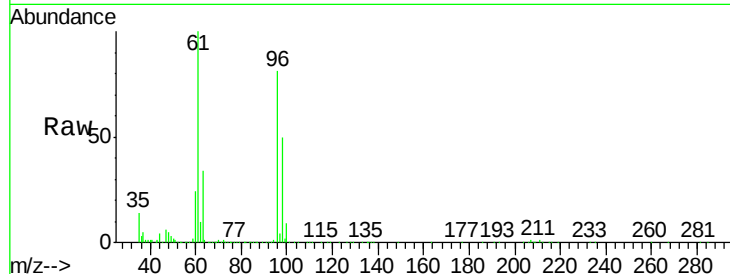
cis-1,2-Dichloroethene
Concen: 50.097 ug/l
RT: 3.66 min Scan# 317
Delta R.T. 0.02 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	271907		
61	125.7		0.0	253.6
98	65.7		0.0	124.8

Manual Integrations
APPROVED

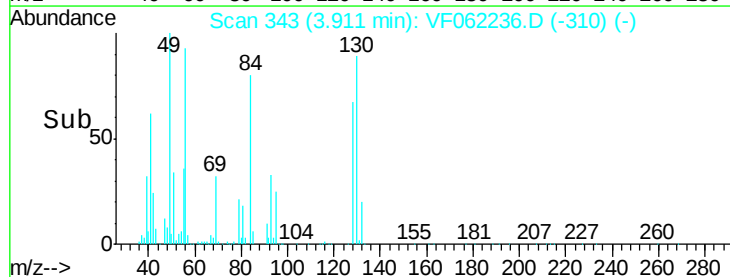
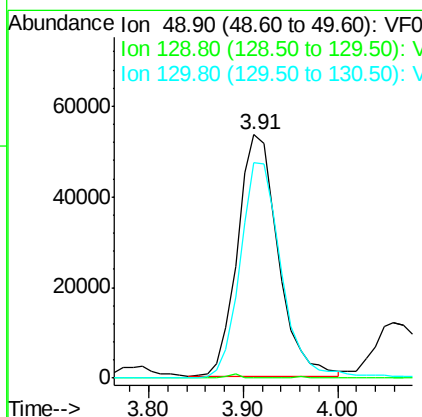
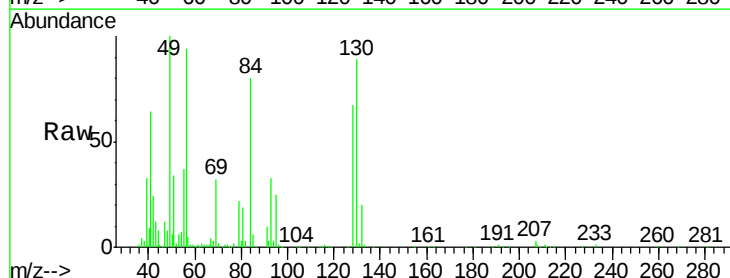
MMDadoda
4/23/2019 6:56:01 AM



#28

Bromochloromethane
Concen: 48.824 ug/l
RT: 3.91 min Scan# 343
Delta R.T. 0.03 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	159184		
129	0.5		0.0	0.0#
130	91.4		66.6	100.0





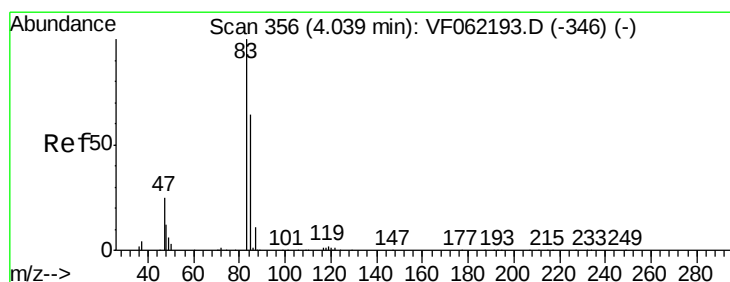
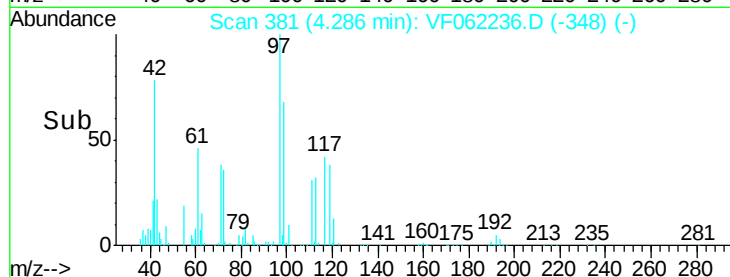
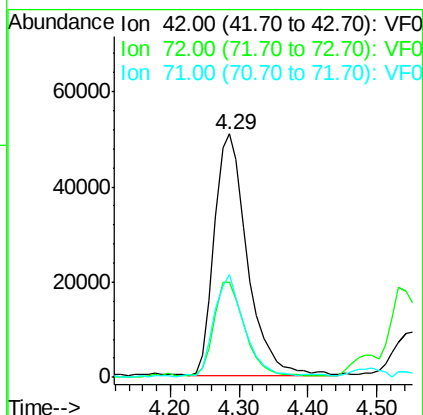
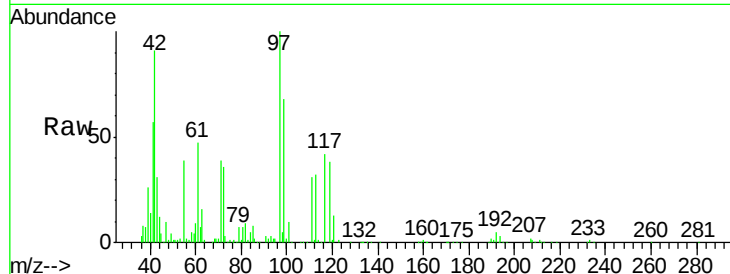
#29
Tetrahydrofuran
Concen: 222.753 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.03 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.2	28.6	43.0
71	38.6	29.2	43.8

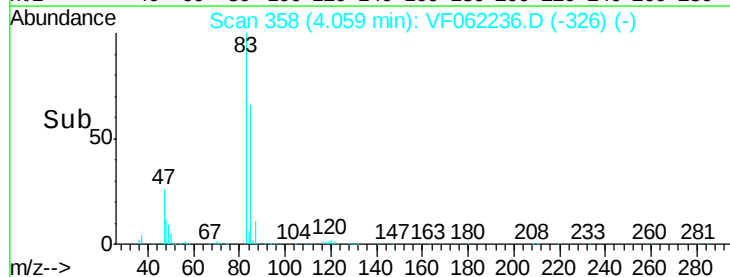
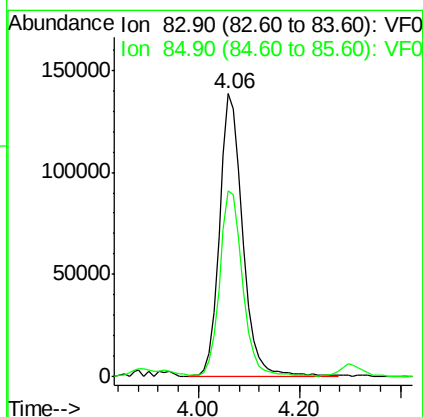
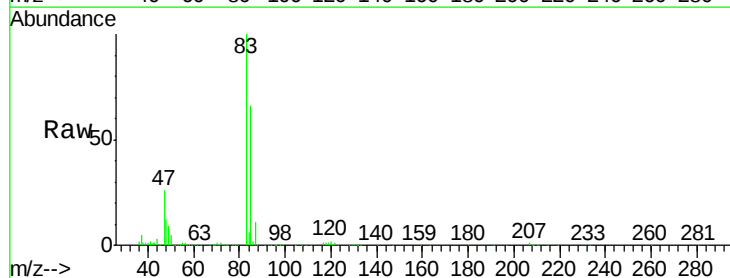
Manual Integrations
APPROVED

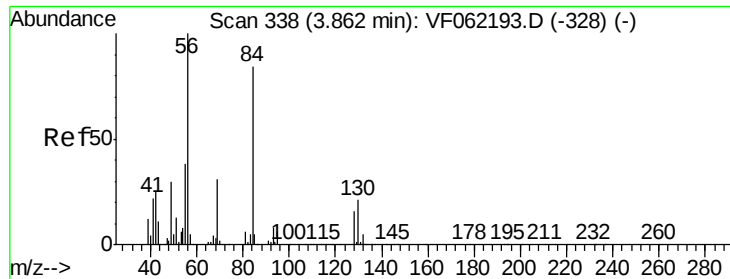
MMDadoda
4/23/2019 6:56:01 AM



#30
Chloroform
Concen: 53.181 ug/l
RT: 4.06 min Scan# 358
Delta R.T. 0.02 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.8





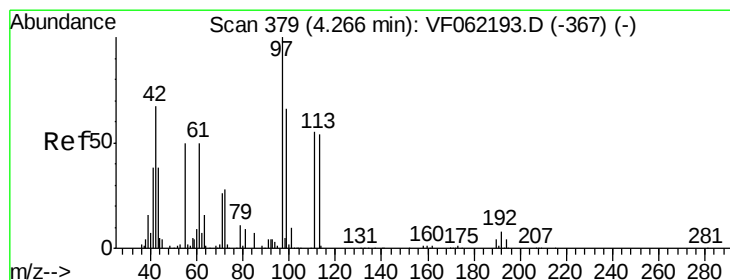
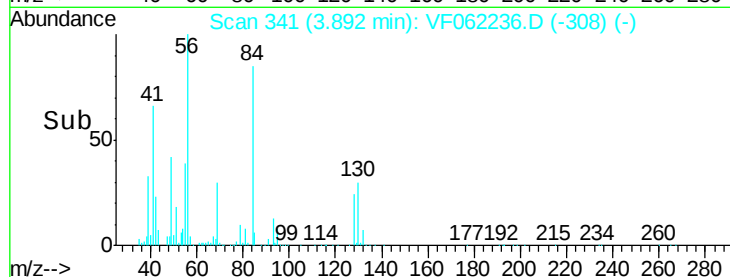
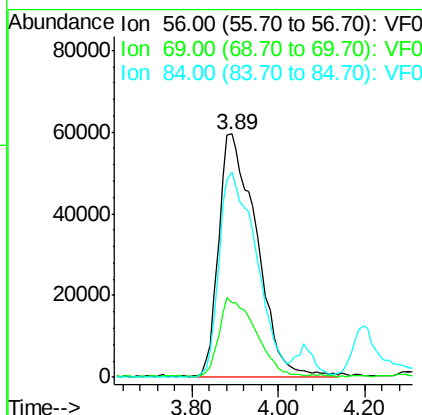
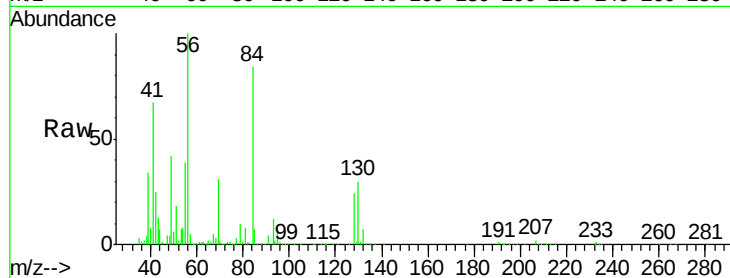
#31
Cyclohexane
Concen: 43.980 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.03 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.5	25.1	37.7
84	84.3	67.8	101.6

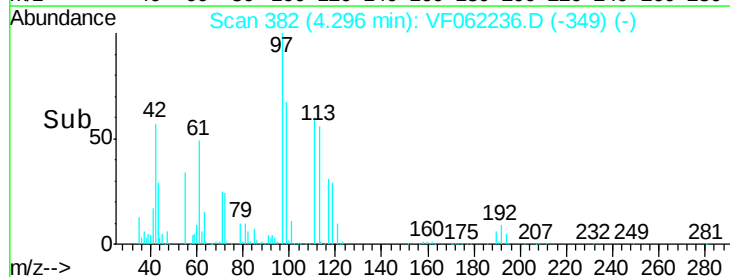
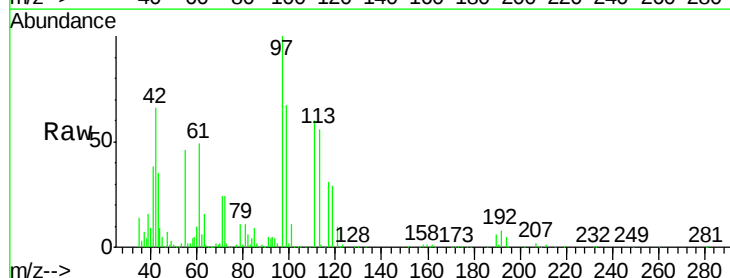
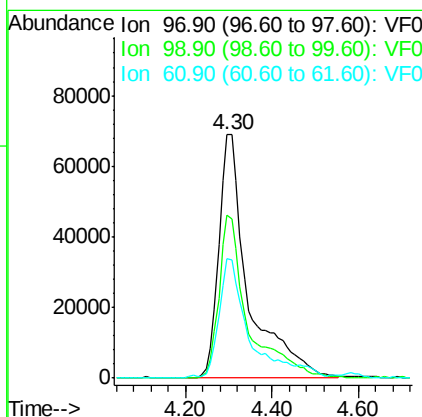
Manual Integrations
APPROVED

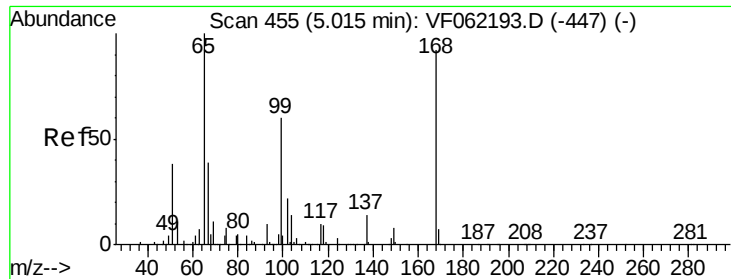
MMDadoda
4/23/2019 6:56:01 AM



#32
1,1,1-Trichloroethane
Concen: 54.003 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.03 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.7	79.1
61	47.3	53.0	79.4#





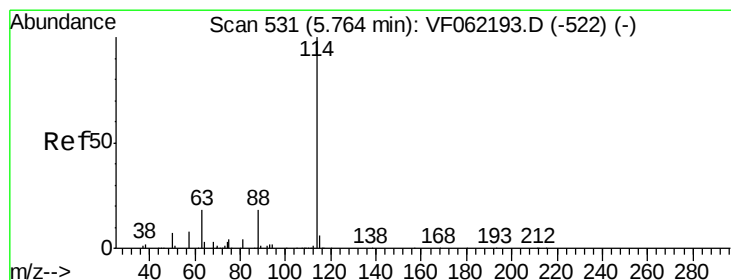
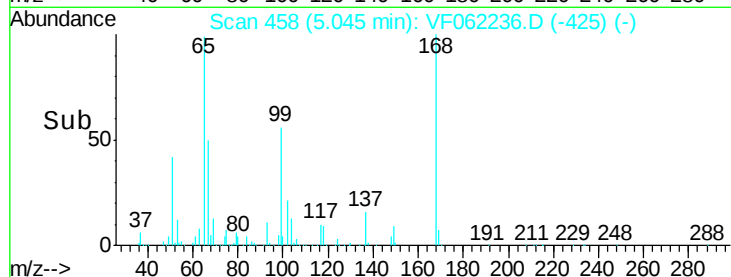
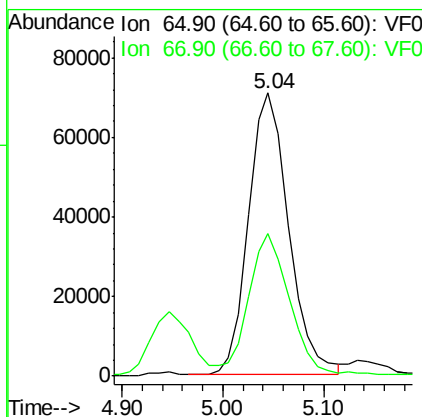
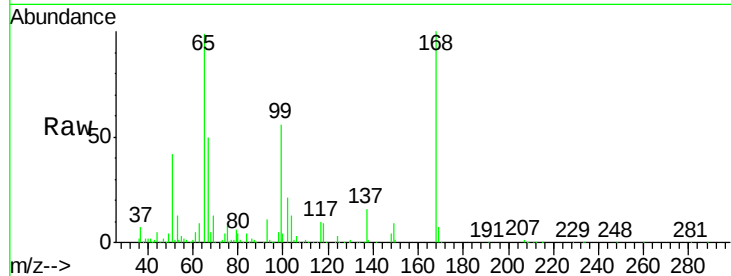
#33
 1,2-Dichloroethane-d4
 Concen: 56.092 ug/l
 RT: 5.04 min Scan# 458
 Delta R.T. 0.03 min
 Lab File: VF062236.D
 Acq: 19 Apr 2019 21:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	195685		
67	51.4	0.0	109.4	

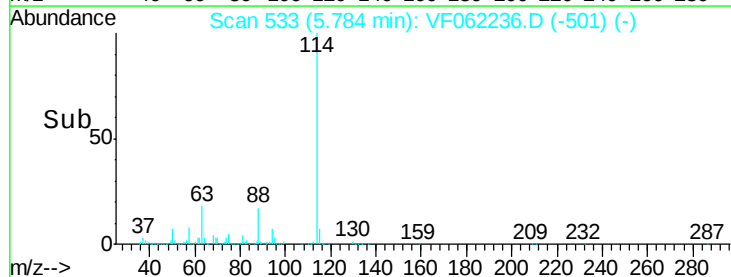
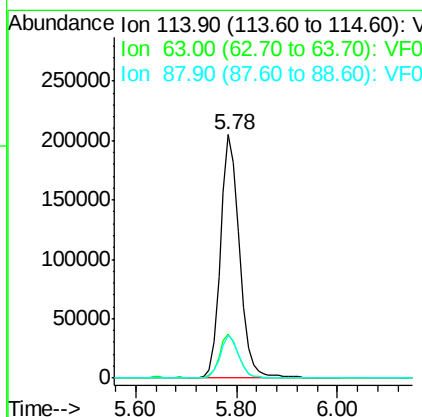
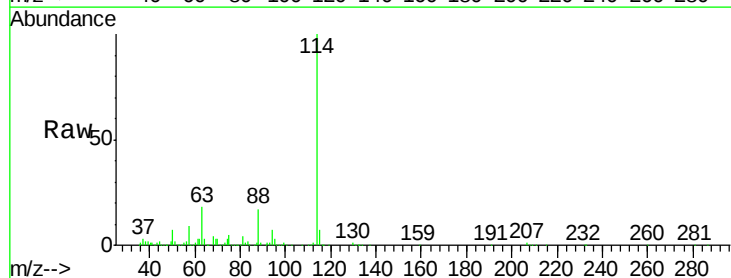
Manual Integrations
 APPROVED

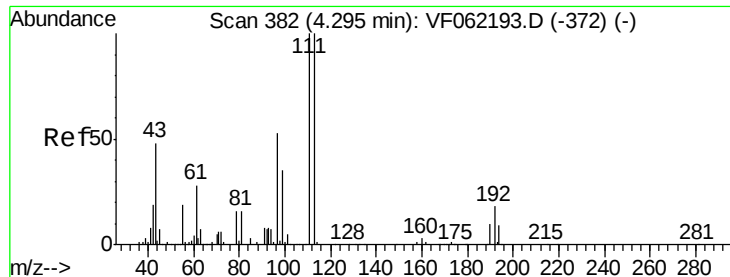
MMDadoda
 4/23/2019 6:56:01 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 533
 Delta R.T. 0.02 min
 Lab File: VF062236.D
 Acq: 19 Apr 2019 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	539988		
63	18.1	0.0	36.6	
88	17.5	0.0	35.8	





#35

Dibromofluoromethane

Concen: 54.621 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.02 min

Lab File: VF062236.D

Acq: 19 Apr 2019 21:01

Instrument :

MSVOA_F

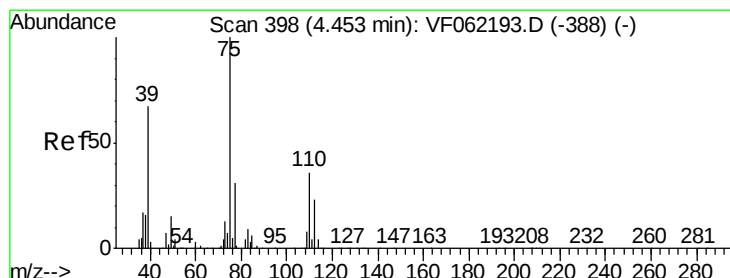
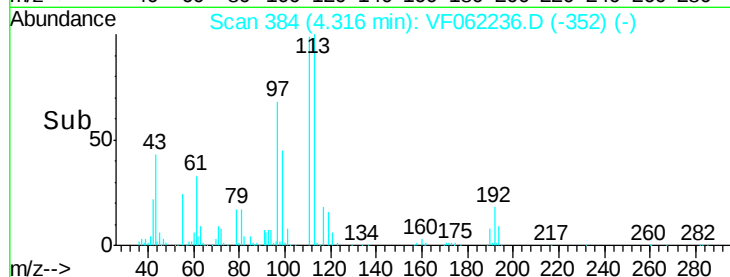
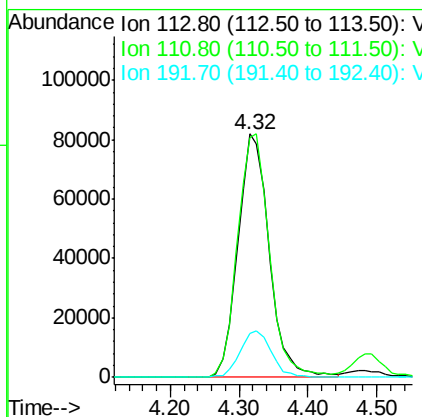
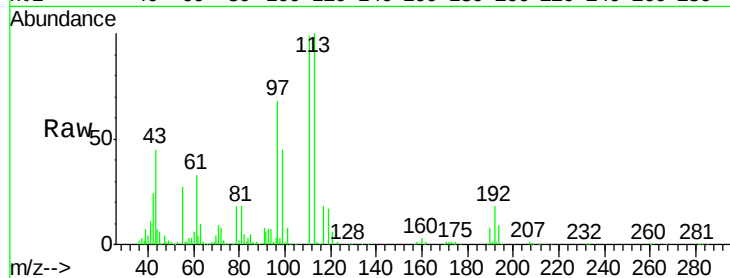
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	258001
Ion Ratio	Lower	Upper	
113	100		
111	101.3	81.1	121.7
192	19.7	14.7	22.1

Manual Integrations
APPROVED

MMDadoda
4/23/2019 6:56:01 AM



#36

1,1-Dichloropropene

Concen: 50.778 ug/l

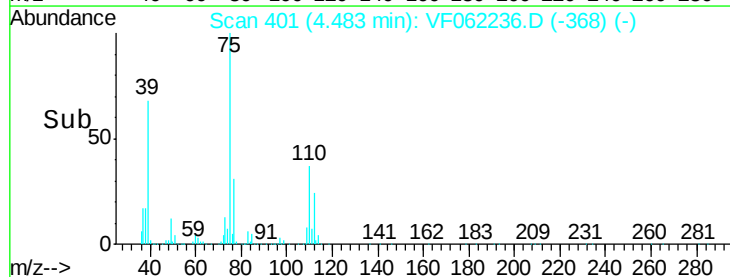
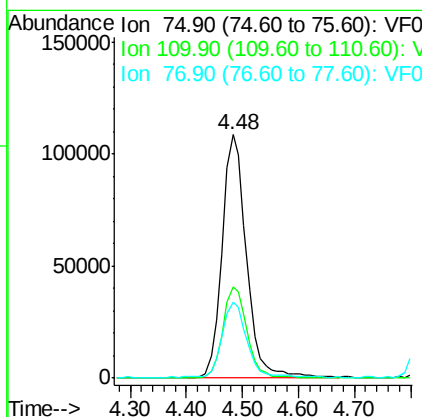
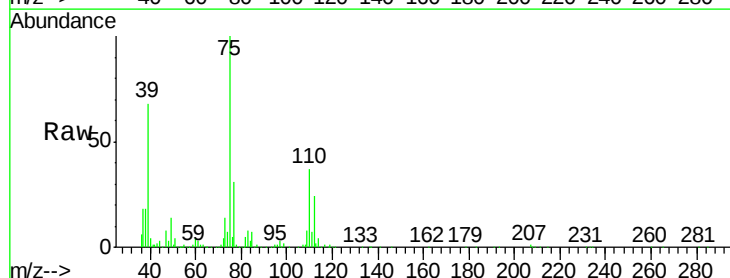
RT: 4.48 min Scan# 401

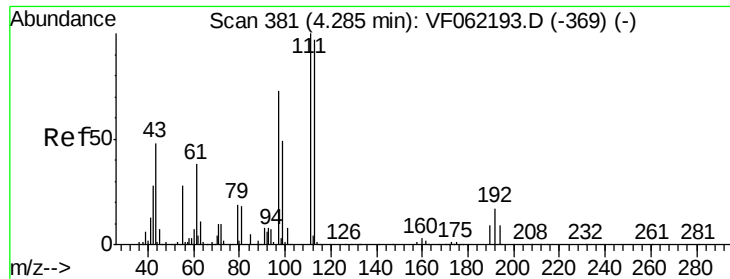
Delta R.T. 0.03 min

Lab File: VF062236.D

Acq: 19 Apr 2019 21:01

Tgt Ion:	75	Resp:	328743
Ion Ratio	Lower	Upper	
75	100		
110	37.0	18.4	55.2
77	31.0	25.4	38.2





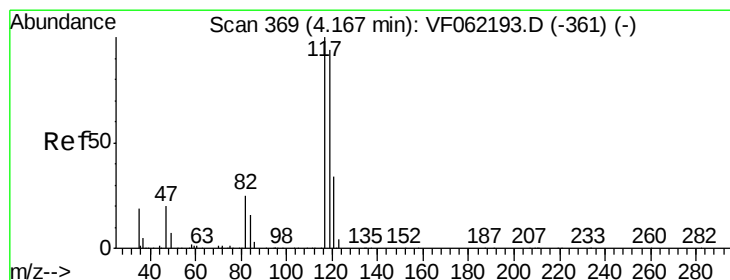
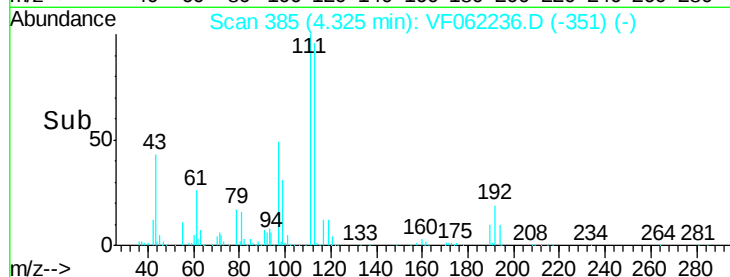
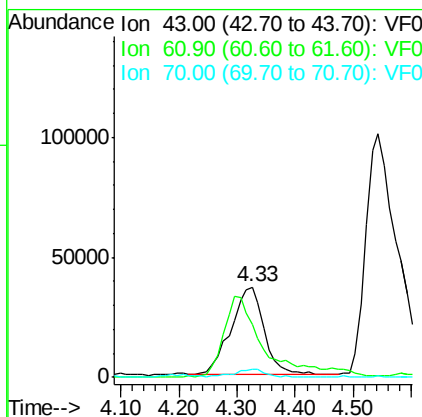
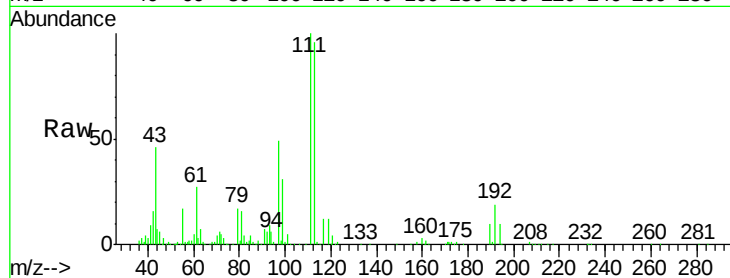
#37
Ethyl Acetate
Concen: 47.514 ug/l
RT: 4.33 min Scan# 385
Delta R.T. 0.04 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100	145158		
61	0.0	0.0	0.0	0.0
70	8.4	7.8	11.6	

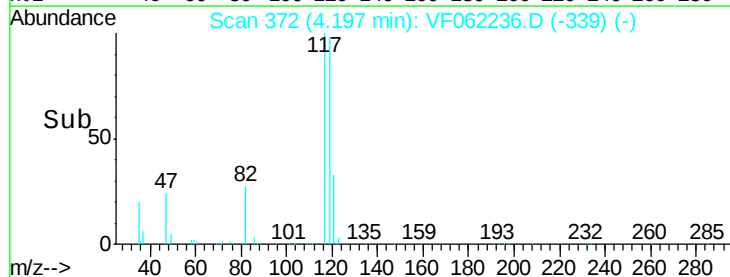
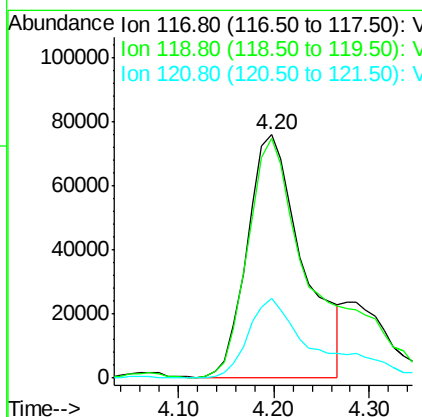
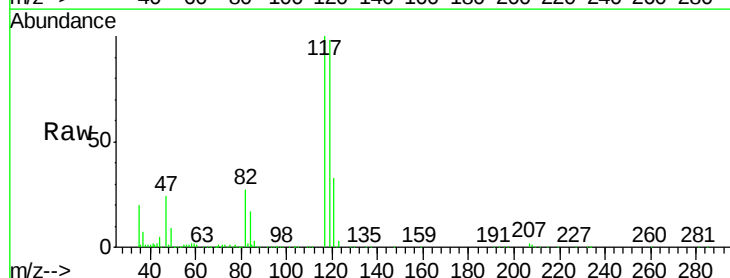
Manual Integrations
APPROVED

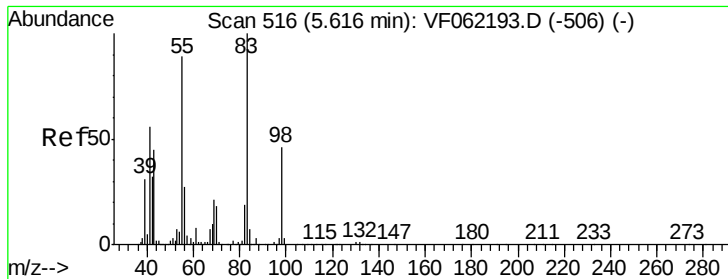
MMDadoda
4/23/2019 6:56:01 AM



#38
Carbon Tetrachloride
Concen: 53.829 ug/l m
RT: 4.20 min Scan# 372
Delta R.T. 0.03 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	308468		
119	98.4	75.0	112.4	
121	33.0	26.9	40.3	





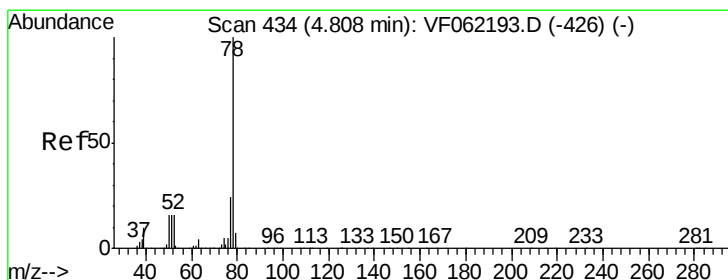
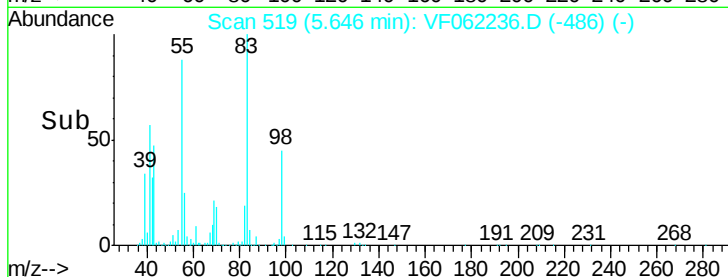
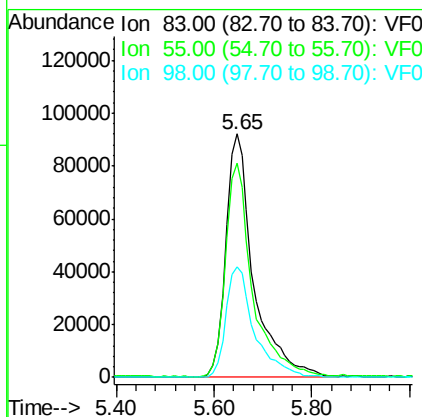
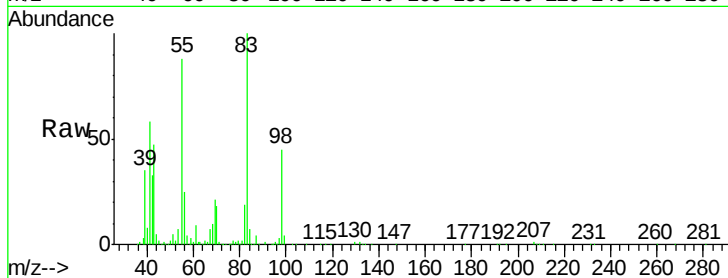
#39
Methvlcvclohexane
Concen: 47.133 ug/l
RT: 5.65 min Scan# 519
Delta R.T. 0.03 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.0	71.0	106.6
98	45.1	36.7	55.1

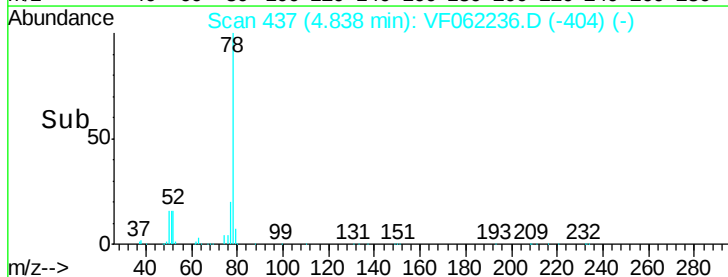
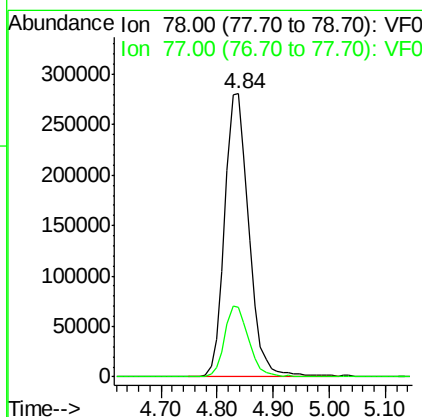
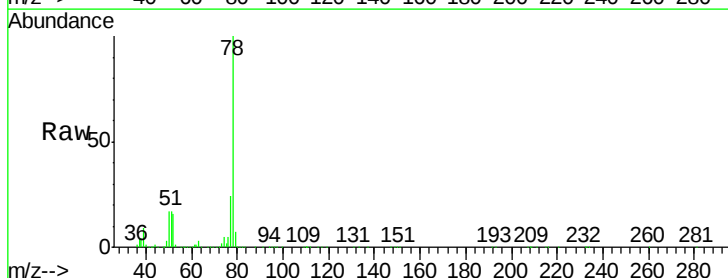
Manual Integrations
APPROVED

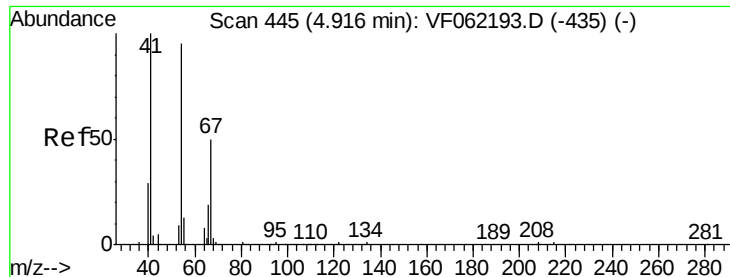
MMDadoda
4/23/2019 6:56:01 AM



#40
Benzene
Concen: 49.692 ug/l
RT: 4.84 min Scan# 437
Delta R.T. 0.03 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.9	28.3





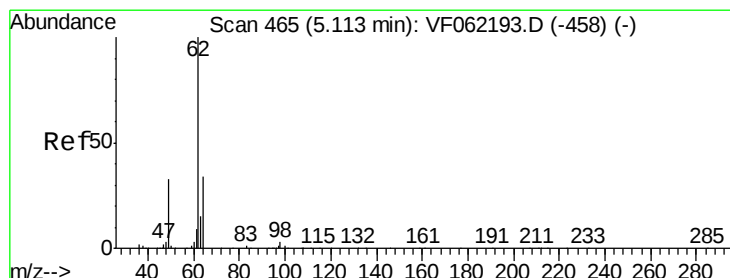
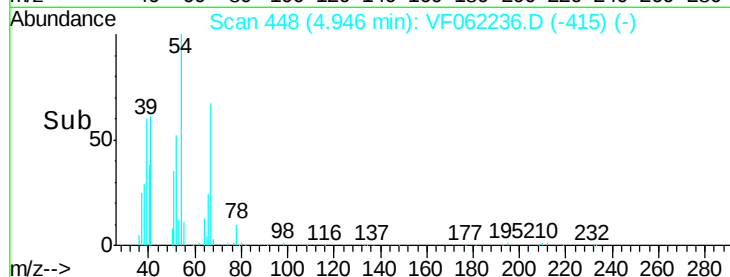
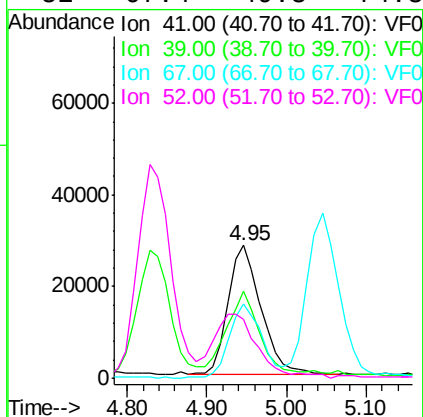
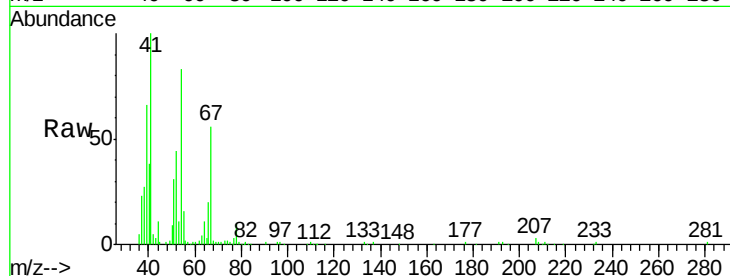
#41
Methacrylonitrile
Concen: 45.939 ug/l
RT: 4.95 min Scan# 448
Delta R.T. 0.03 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	67.8	44.7	67.1#	
67	57.6	39.1	58.7	
52	67.4	49.8	74.8	

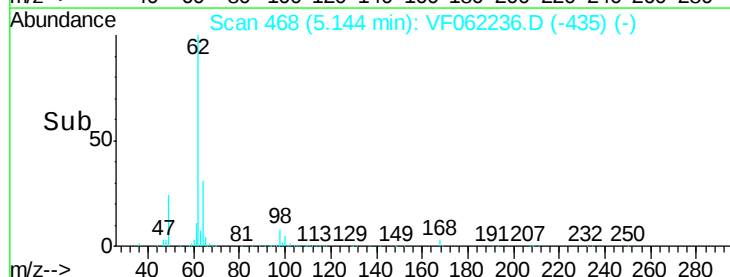
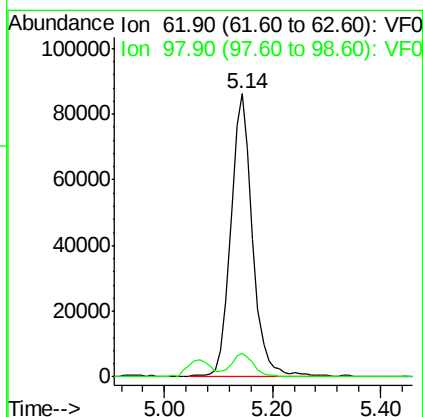
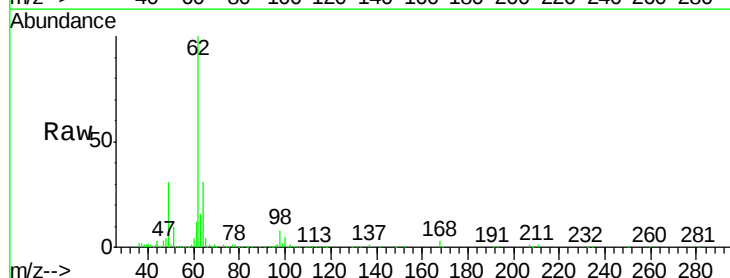
Manual Integrations
APPROVED

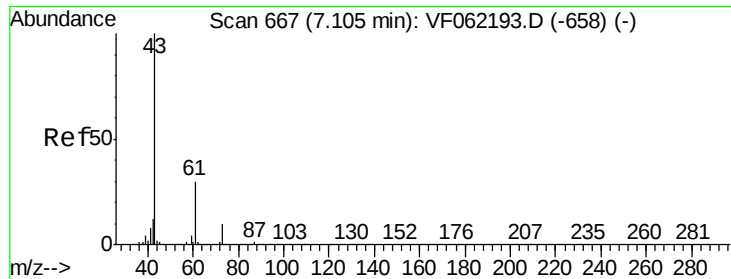
MMDadoda
4/23/2019 6:56:01 AM



#42
1,2-Dichloroethane
Concen: 53.873 ug/l
RT: 5.14 min Scan# 468
Delta R.T. 0.03 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.9	0.0	19.0	





#43

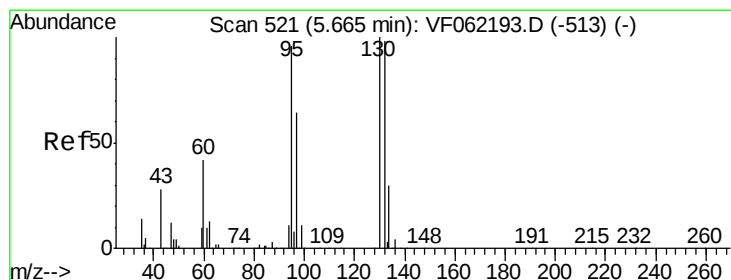
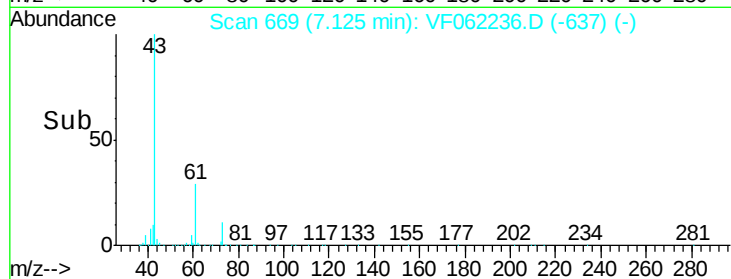
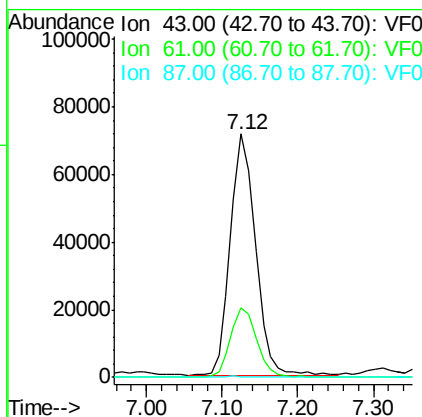
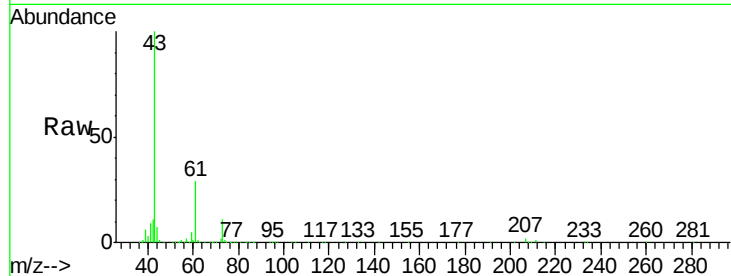
Isopropyl Acetate
 Concen: 51.673 ug/l
 RT: 7.12 min Scan# 669
 Delta R.T. 0.02 min
 Lab File: VF062236.D
 Acq: 19 Apr 2019 21:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.2	24.4	36.6
87	0.6	0.4	0.6

Manual Integrations
 APPROVED

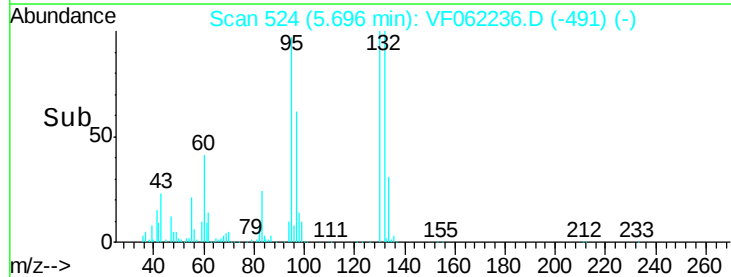
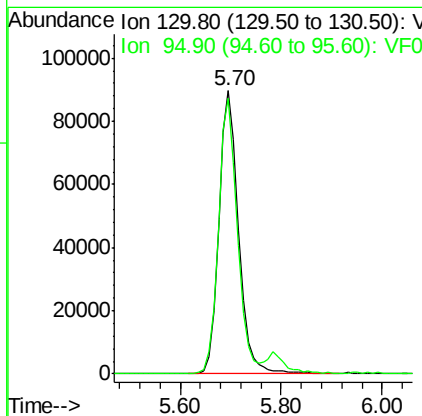
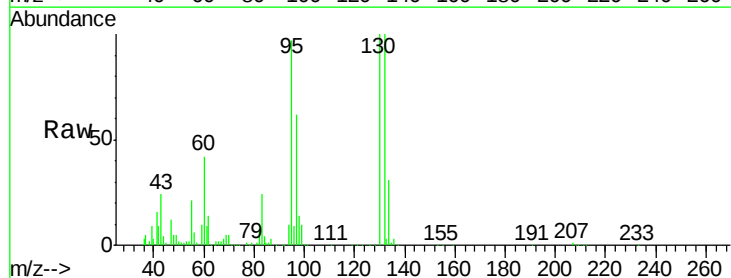
MMDadoda
 4/23/2019 6:56:01 AM

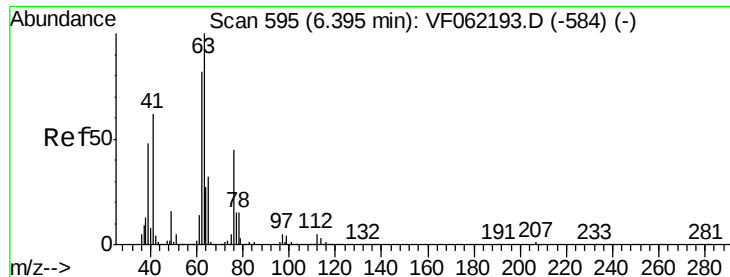


#44

Trichloroethene
 Concen: 53.294 ug/l
 RT: 5.70 min Scan# 524
 Delta R.T. 0.03 min
 Lab File: VF062236.D
 Acq: 19 Apr 2019 21:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	191.4





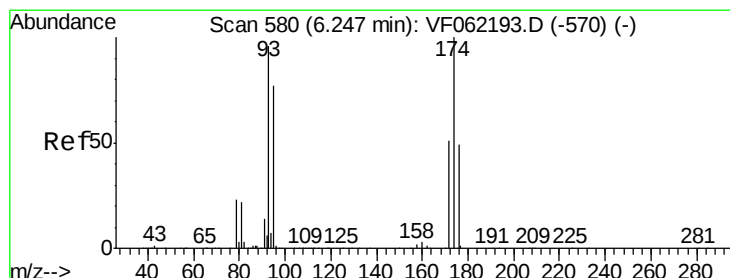
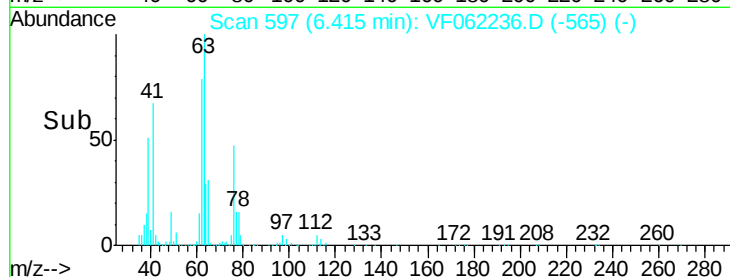
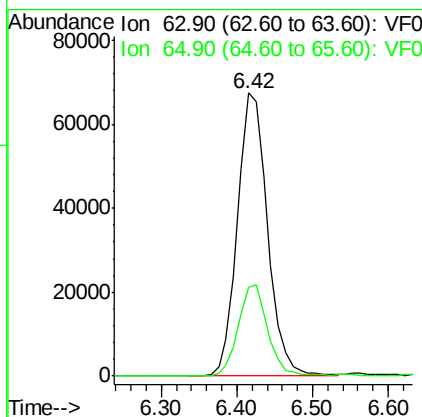
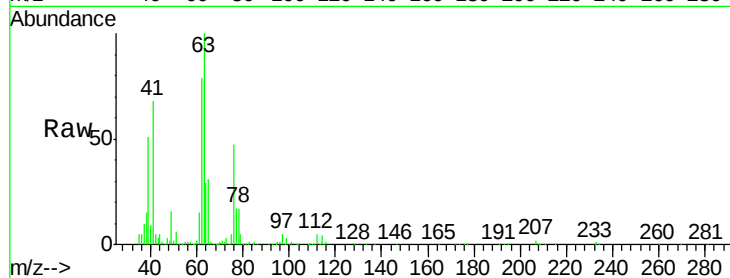
#45
 1,2-Dichloropropane
 Concen: 49.786 ug/l
 RT: 6.42 min Scan# 597
 Delta R.T. 0.02 min
 Lab File: VF062236.D
 Acq: 19 Apr 2019 21:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	25.9	38.9

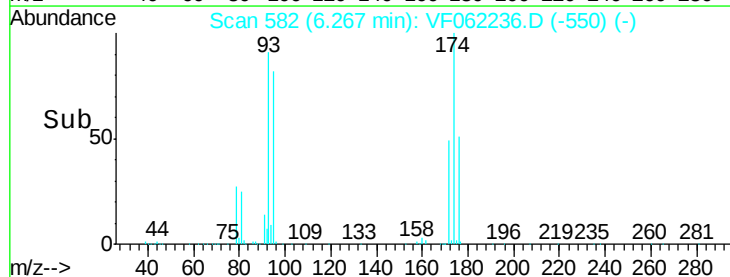
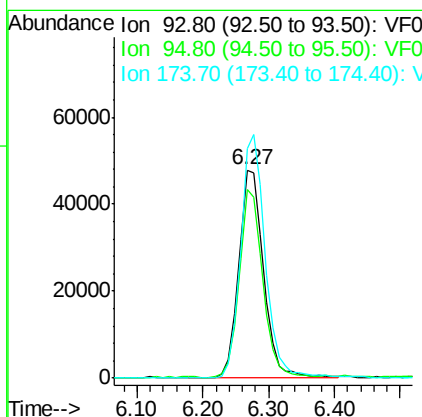
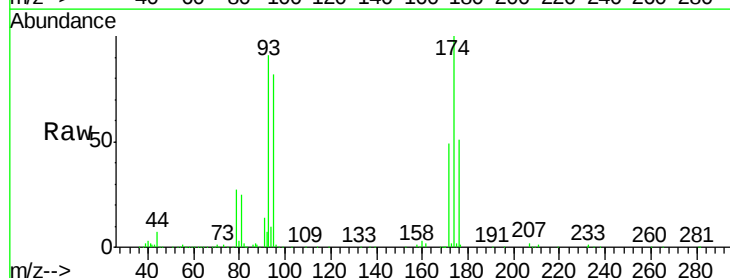
Manual Integrations
 APPROVED

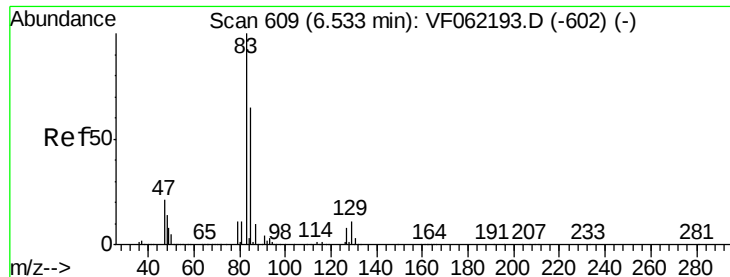
MMDadoda
 4/23/2019 6:56:01 AM



#46
 Dibromomethane
 Concen: 51.276 ug/l
 RT: 6.27 min Scan# 582
 Delta R.T. 0.02 min
 Lab File: VF062236.D
 Acq: 19 Apr 2019 21:01

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.3	65.1	97.7
174	115.6	81.8	122.6





#47

Bromodichloromethane

Concen: 57.693 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.02 min

Lab File: VF062236.D

Acq: 19 Apr 2019 21:01

Instrument :

MSVOA_F

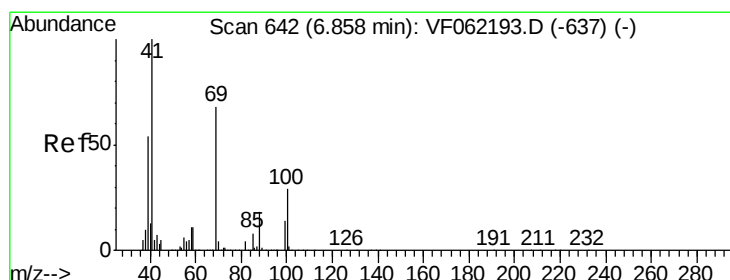
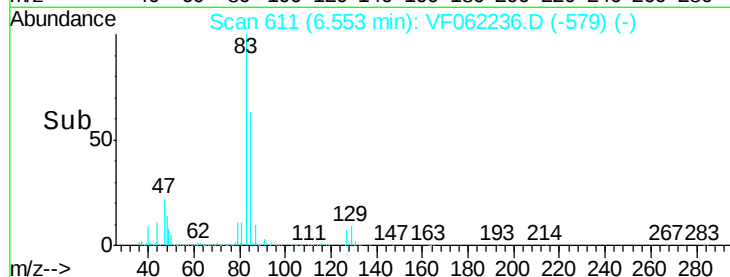
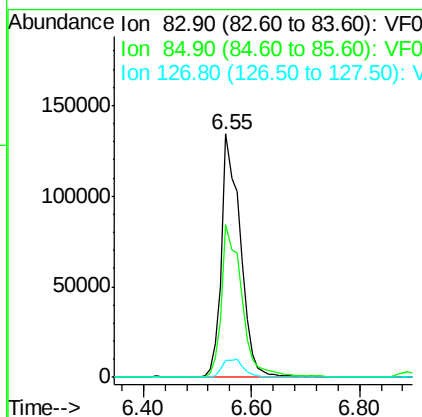
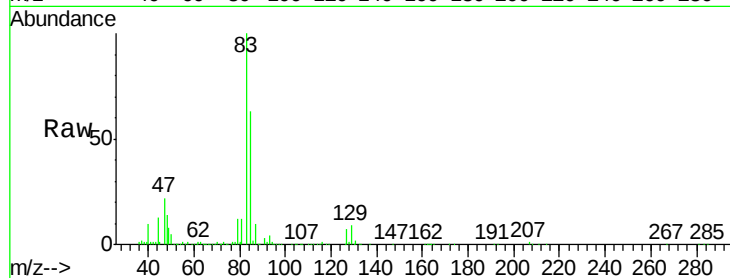
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	324005
Ion Ratio	Lower	Upper	
83	100		
85	62.6	52.2	78.4
127	7.1	6.7	10.1

Manual Integrations
APPROVED

MMDadoda
4/23/2019 6:56:01 AM



#48

Methyl methacrylate

Concen: 51.345 ug/l

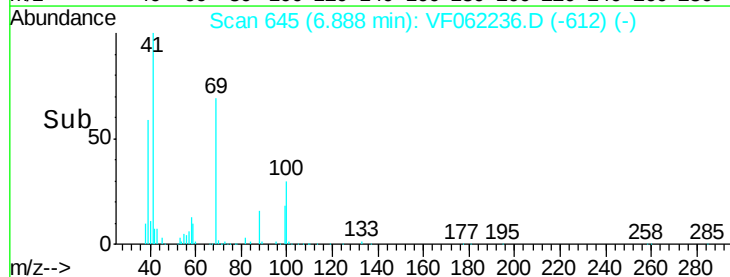
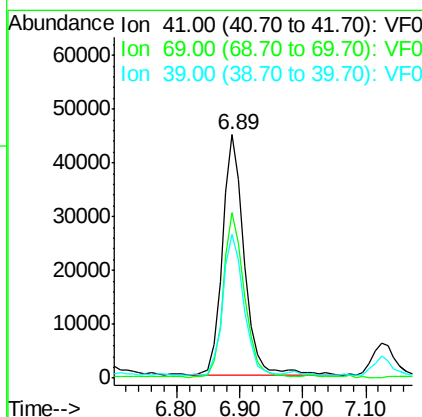
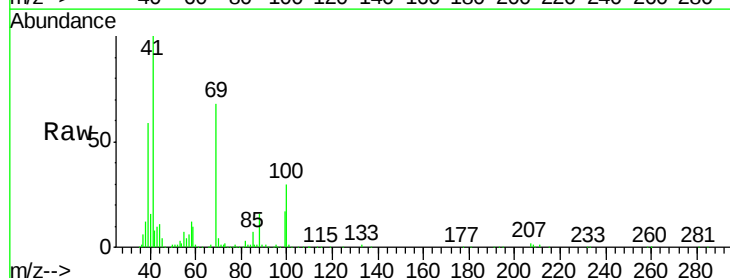
RT: 6.89 min Scan# 645

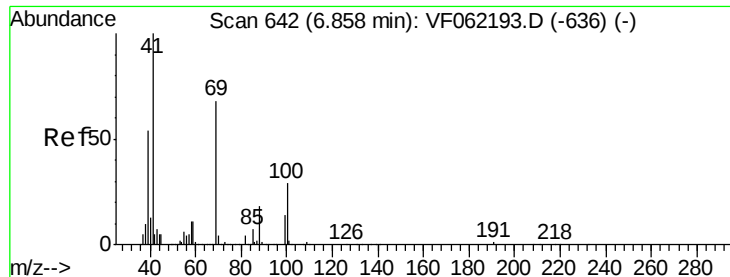
Delta R.T. 0.03 min

Lab File: VF062236.D

Acq: 19 Apr 2019 21:01

Tgt Ion:	41	Resp:	108422
Ion Ratio	Lower	Upper	
41	100		
69	65.7	54.9	82.3
39	55.9	43.6	65.4





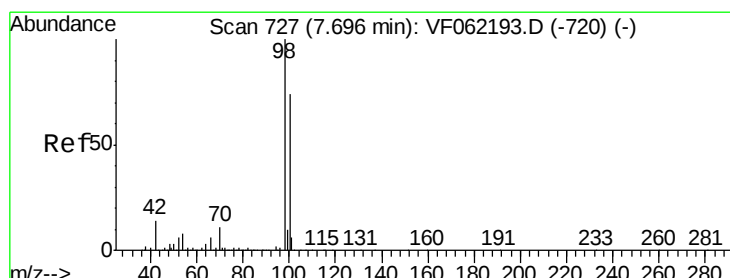
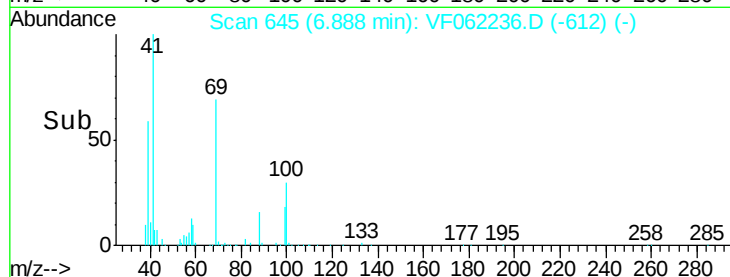
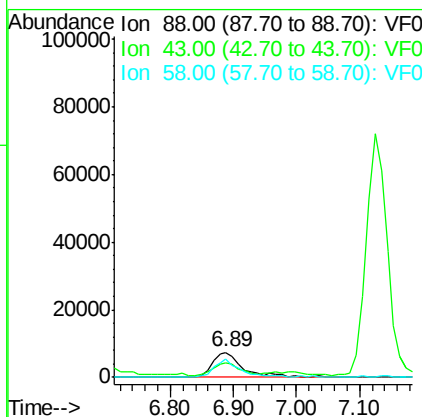
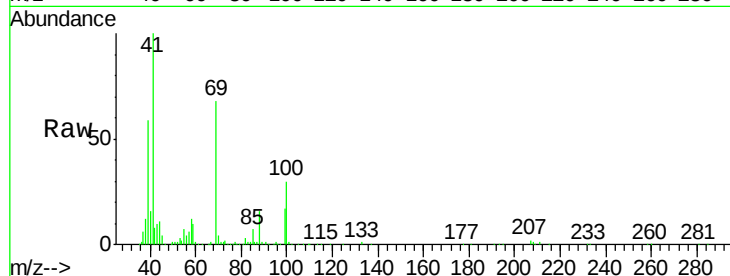
#49
1,4-Dioxane
Concen: 1030.635 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.03 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
88	100	24959		
43	44.3		36.9	55.3
58	66.5		56.8	85.2

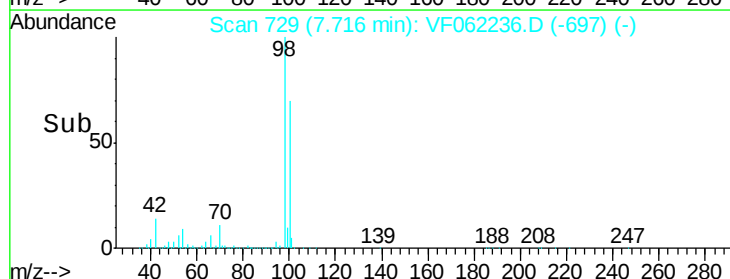
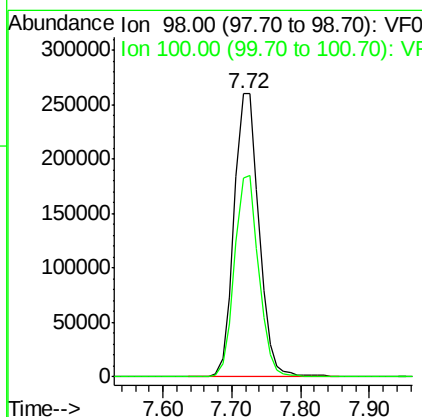
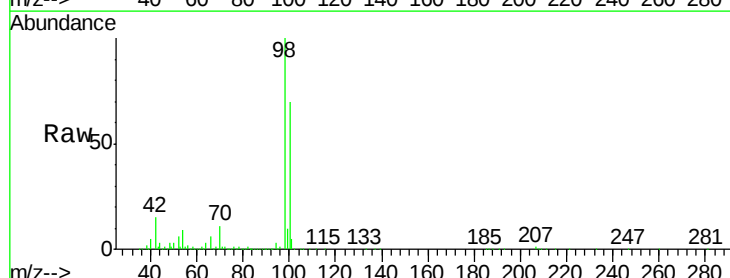
Manual Integrations
APPROVED

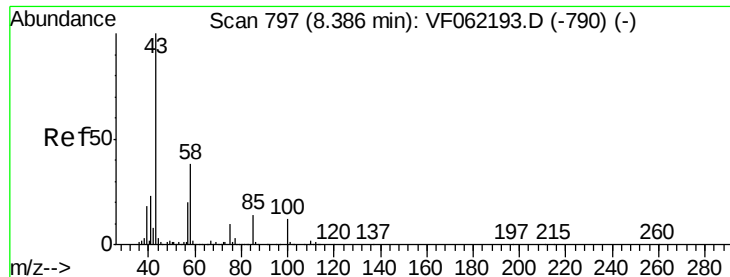
MMDadoda
4/23/2019 6:56:01 AM



#50
Toluene-d8
Concen: 54.752 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.02 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	654663		
100	69.1		56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 237.953 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.03 min

Lab File: VF062236.D

Acq: 19 Apr 2019 21:01

Instrument :

MSVOA_F

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 568680

Ion Ratio Lower Upper

43 100

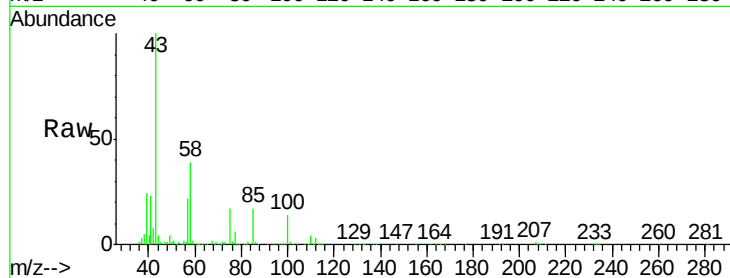
58 37.6 29.3 43.9

Manual Integrations

APPROVED

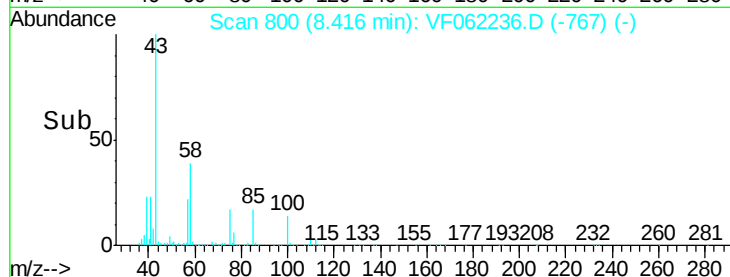
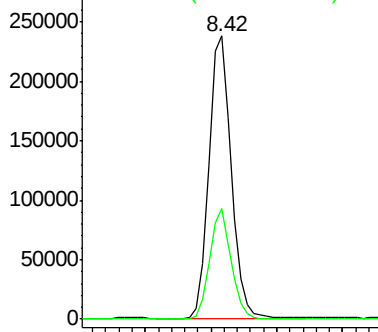
MMDadoda

4/23/2019 6:56:01 AM

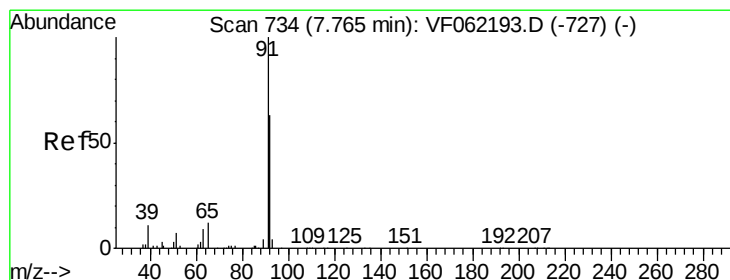


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->



#52

Toluene

Concen: 52.385 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.02 min

Lab File: VF062236.D

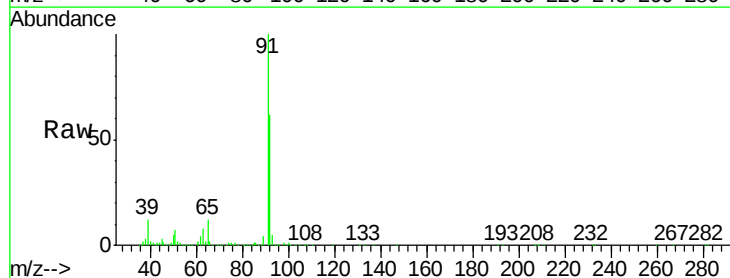
Acq: 19 Apr 2019 21:01

Tgt Ion: 92 Resp: 468910

Ion Ratio Lower Upper

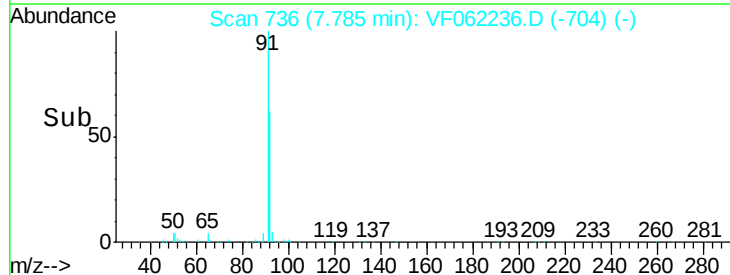
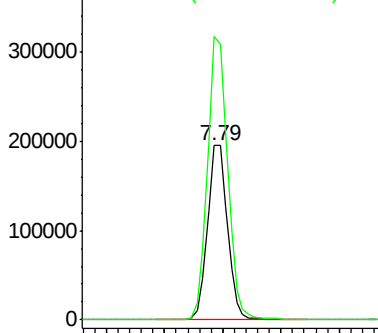
92 100

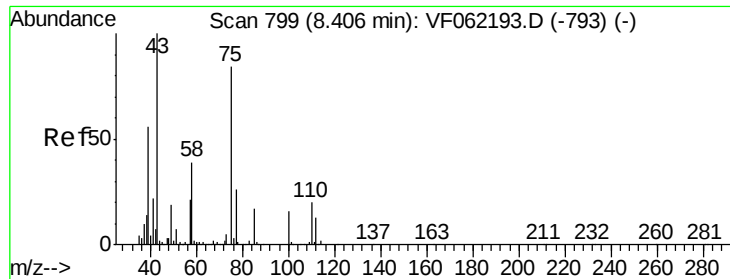
91 164.0 130.1 195.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





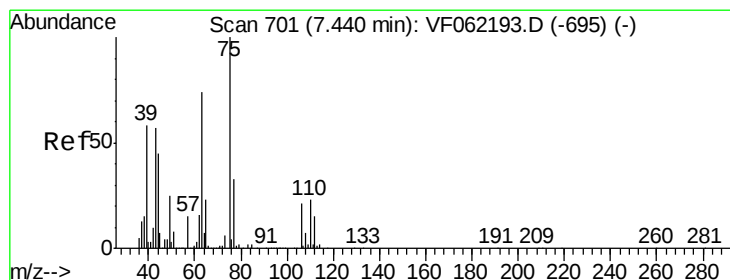
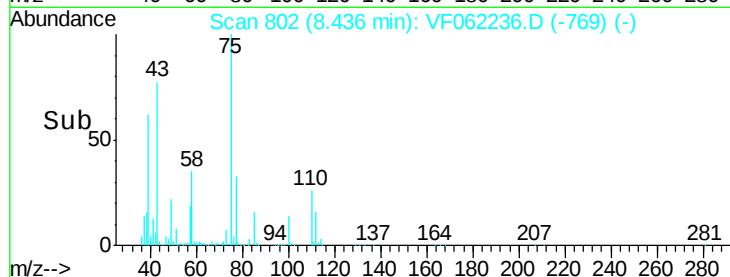
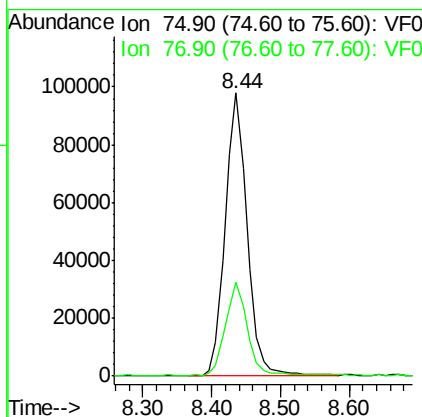
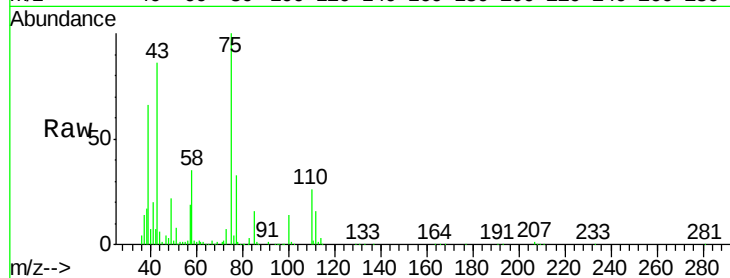
#53
t-1,3-Dichloropropene
Concen: 51.443 ug/l
RT: 8.44 min Scan# 802
Delta R.T. 0.03 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 216994
Ion Ratio Lower Upper
75 100
77 32.9 24.6 36.8

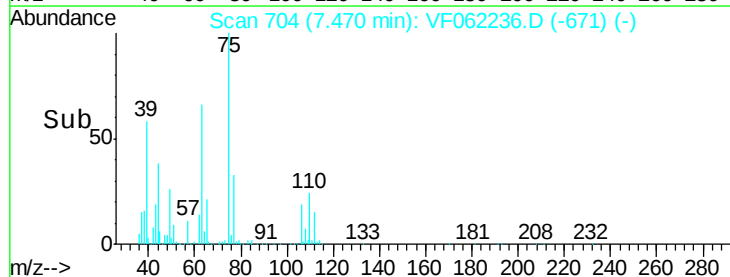
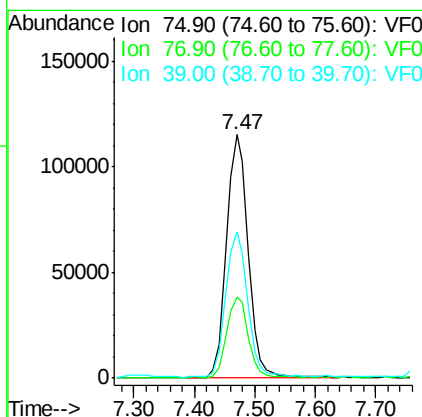
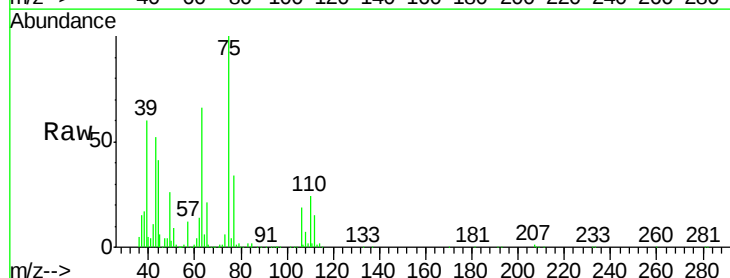
Manual Integrations
APPROVED

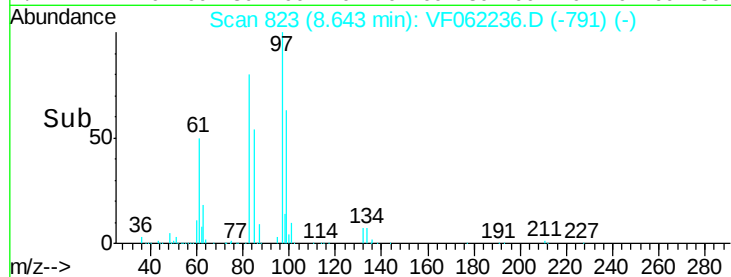
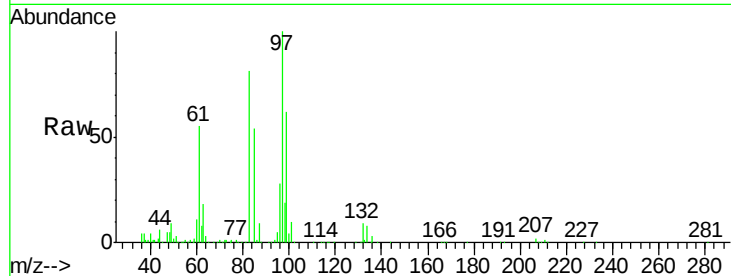
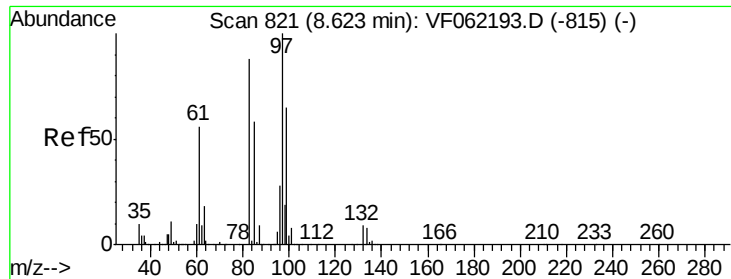
MMDadoda
4/23/2019 6:56:01 AM



#54
cis-1,3-Dichloropropene
Concen: 50.514 ug/l
RT: 7.47 min Scan# 704
Delta R.T. 0.03 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Tgt Ion: 75 Resp: 288219
Ion Ratio Lower Upper
75 100
77 33.3 26.4 39.6
39 59.2 46.7 70.1





#55

1,1,2-Trichloroethane

Concen: 55.677 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.02 min

Lab File: VF062236.D

Acq: 19 Apr 2019 21:01

Tot Ion:	97	Resp:	139617
Ion Ratio	Lower	Upper	
97	100		
83	80.9	70.2	105.2
85	53.6	46.2	69.4
99	61.9	52.2	78.4

Instrument :

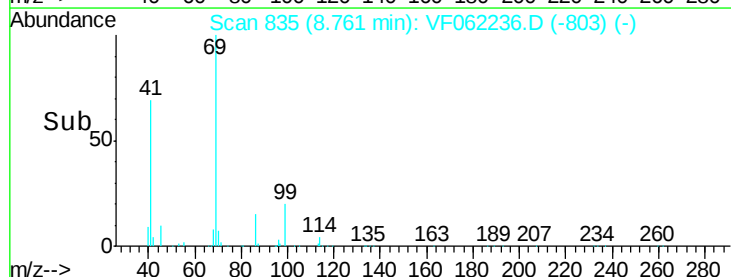
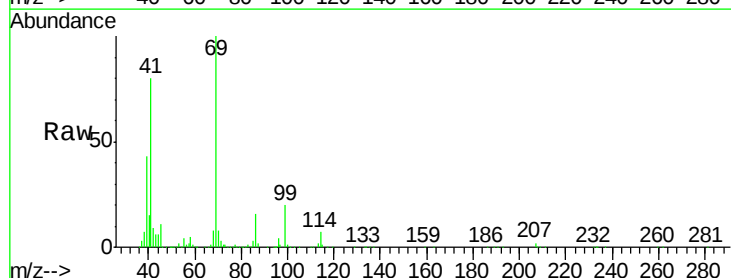
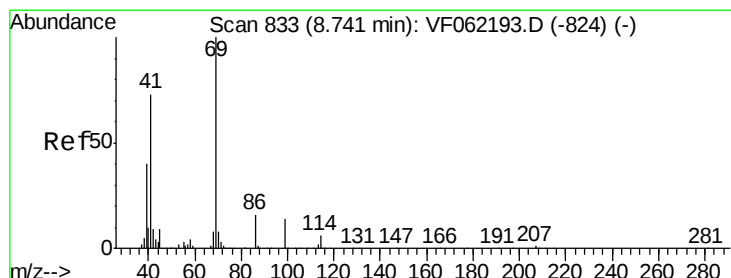
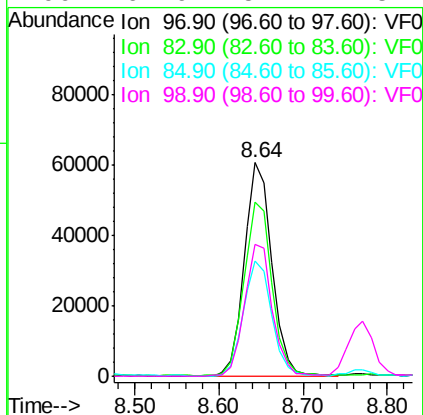
MSVOA_F

ClientSampleId :

VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
4/23/2019 6:56:01 AM



#56

Ethyl methacrylate

Concen: 52.009 ug/l

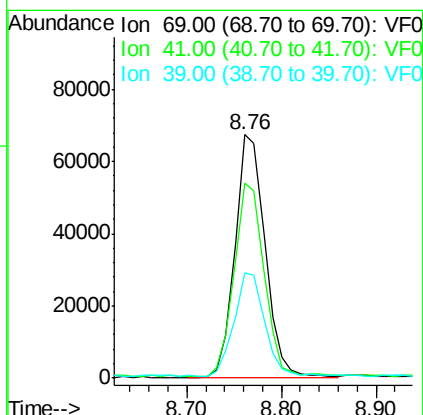
RT: 8.76 min Scan# 835

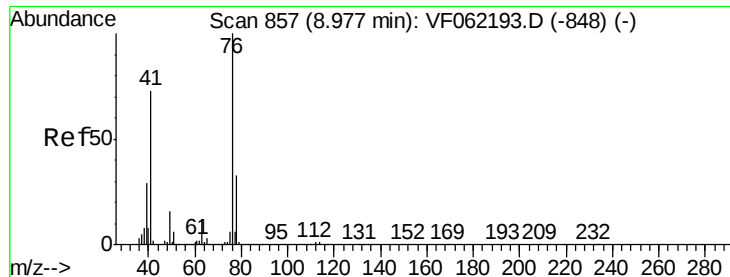
Delta R.T. 0.02 min

Lab File: VF062236.D

Acq: 19 Apr 2019 21:01

Tgt Ion:	69	Resp:	148279
Ion Ratio	Lower	Upper	
69	100		
41	78.9	61.5	92.3
39	43.7	33.3	49.9





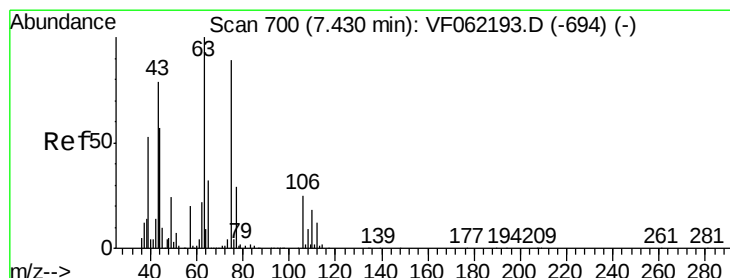
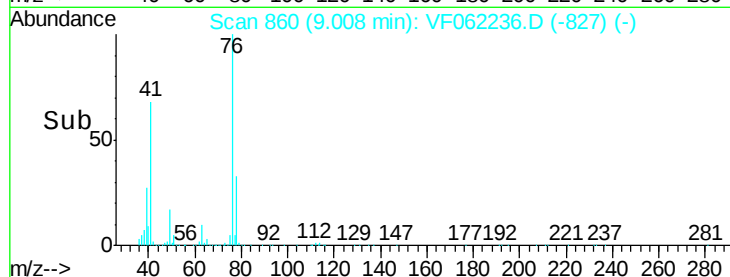
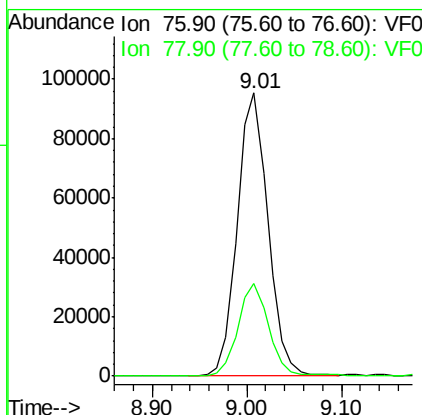
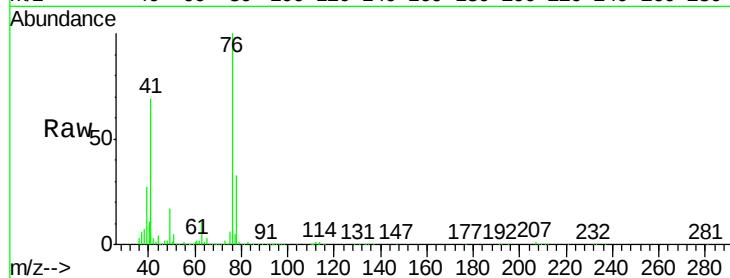
#57
 1,3-Dichloropropane
 Concen: 53.002 ug/l
 RT: 9.01 min Scan# 860
 Delta R.T. 0.03 min
 Lab File: VF062236.D
 Acq: 19 Apr 2019 21:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.0	26.5	39.7

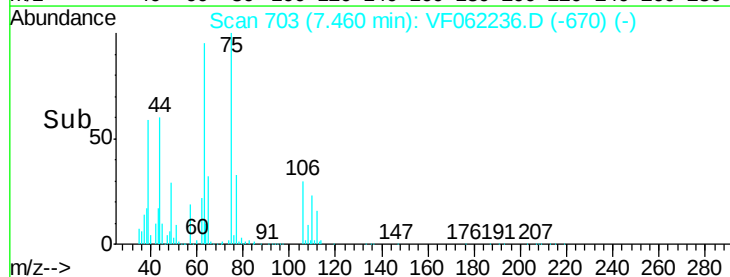
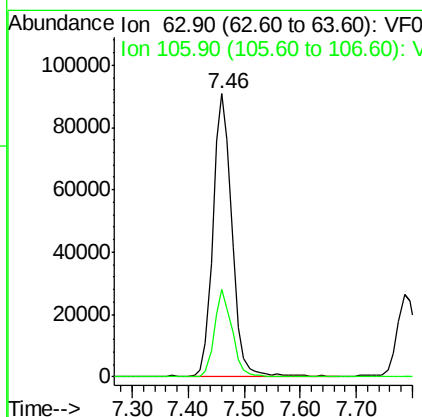
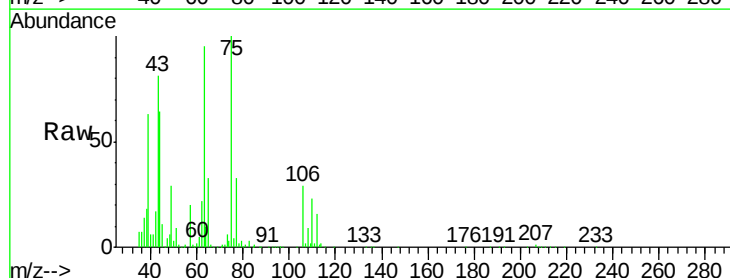
Manual Integrations
 APPROVED

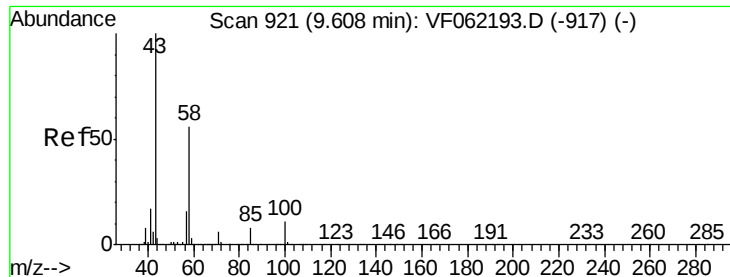
MMDadoda
 4/23/2019 6:56:01 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 260.021 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. 0.03 min
 Lab File: VF062236.D
 Acq: 19 Apr 2019 21:01

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.9	21.4	32.0





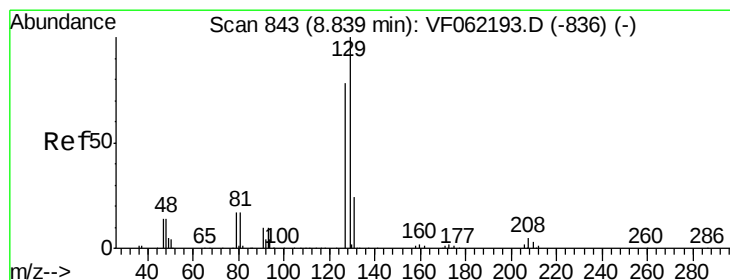
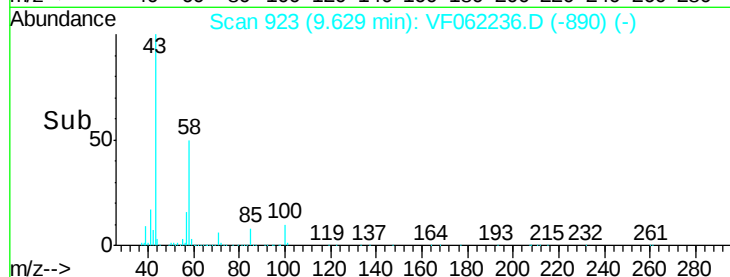
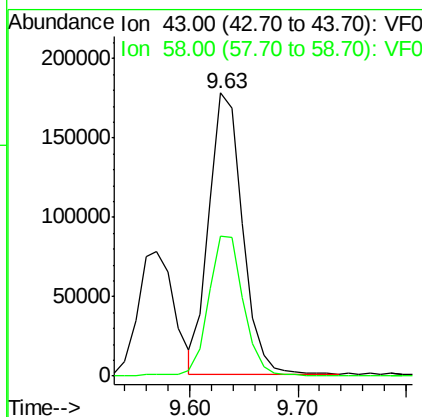
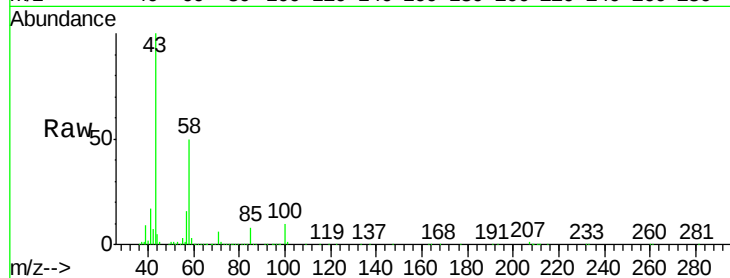
#59
2-Hexanone
Concen: 256.848 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.02 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 382794
Ion Ratio Lower Upper
43 100
58 52.8 24.6 74.0

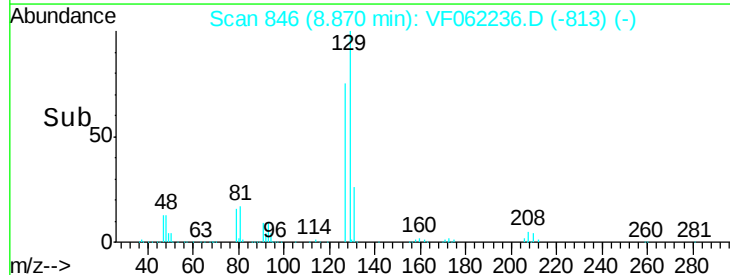
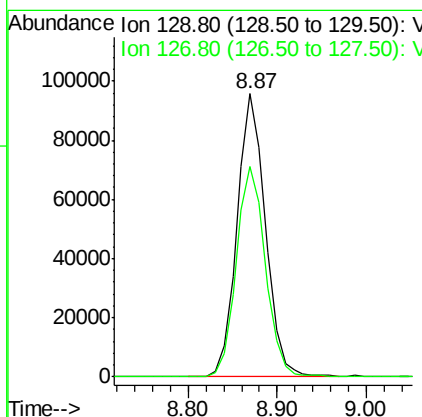
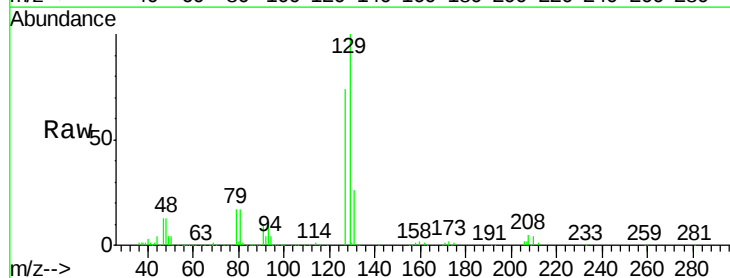
Manual Integrations
APPROVED

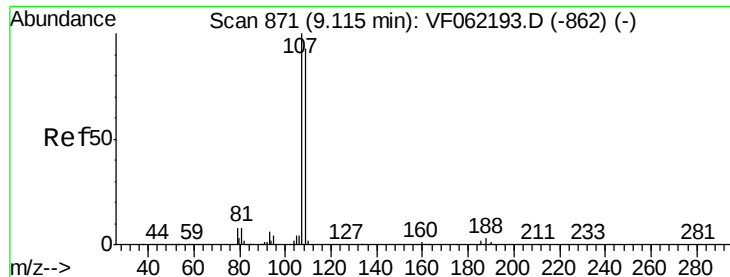
MMDadoda
4/23/2019 6:56:01 AM



#60
Dibromochloromethane
Concen: 56.883 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.03 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Tgt Ion: 129 Resp: 212136
Ion Ratio Lower Upper
129 100
127 76.2 39.0 117.0





#61

1,2-Dibromoethane

Concen: 54.346 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.03 min

Lab File: VF062236.D

Acq: 19 Apr 2019 21:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 153536

Ion Ratio Lower Upper

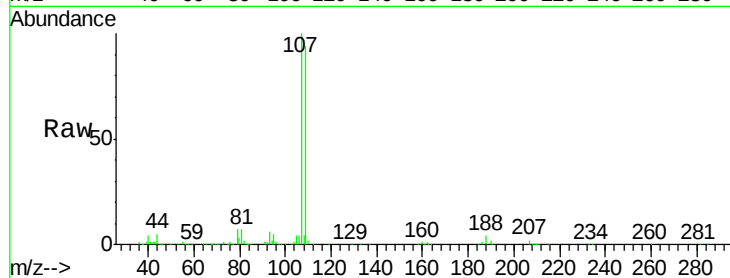
107 100

109 91.7 74.3 111.5

Manual Integrations
APPROVED

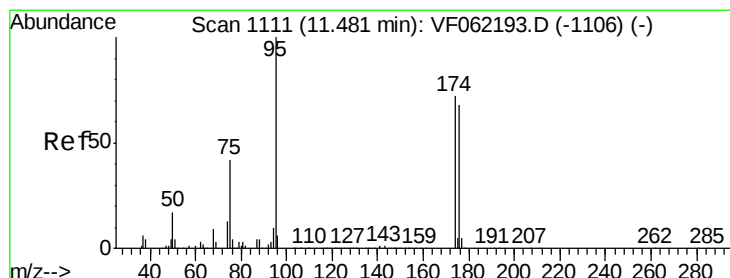
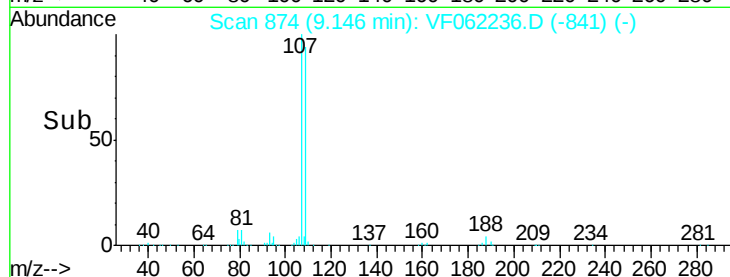
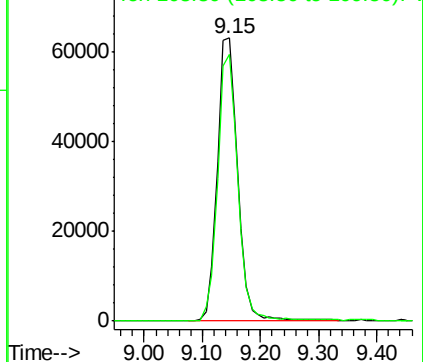
MMDadoda

4/23/2019 6:56:01 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 56.257 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VF062236.D

Acq: 19 Apr 2019 21:01

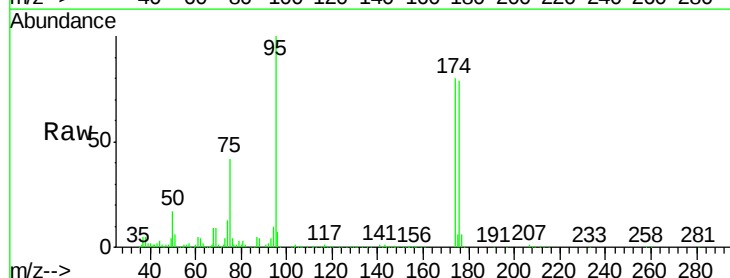
Tgt Ion: 95 Resp: 258765

Ion Ratio Lower Upper

95 100

174 87.9 0.0 159.4

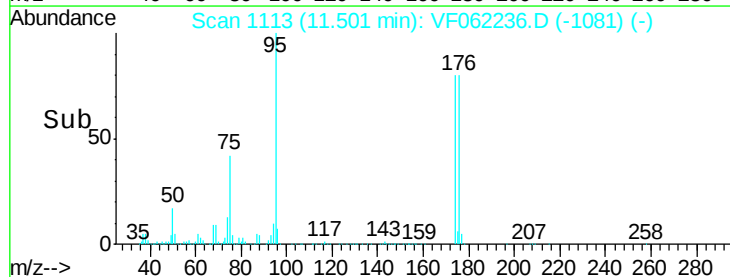
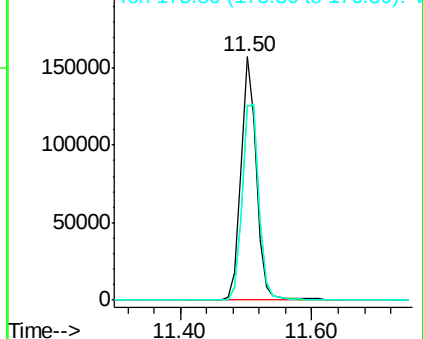
176 87.9 0.0 155.4

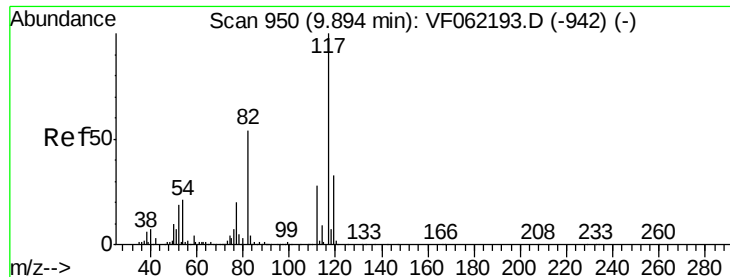


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





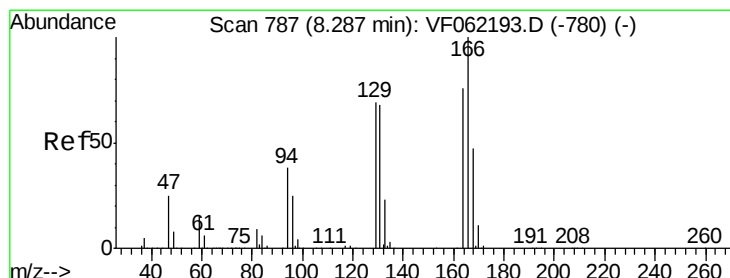
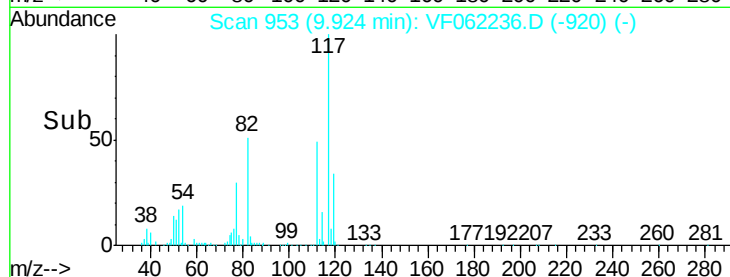
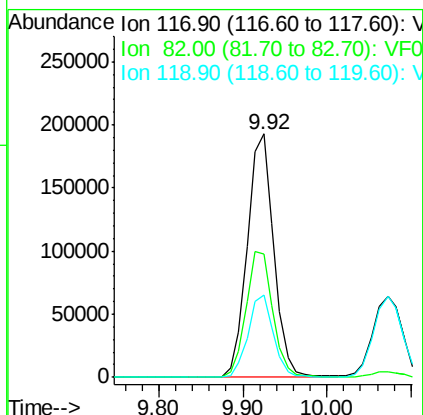
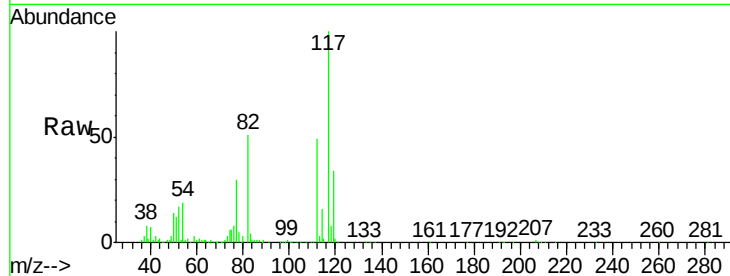
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.03 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.6	43.2	64.8
119	33.7	26.2	39.4

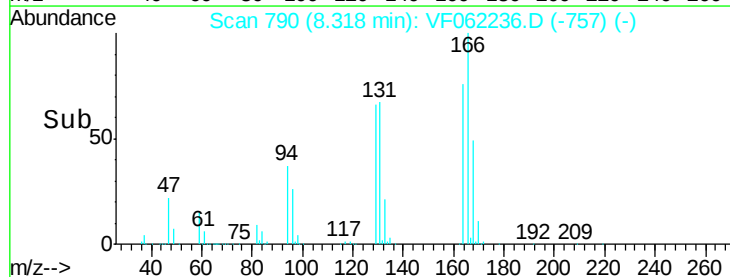
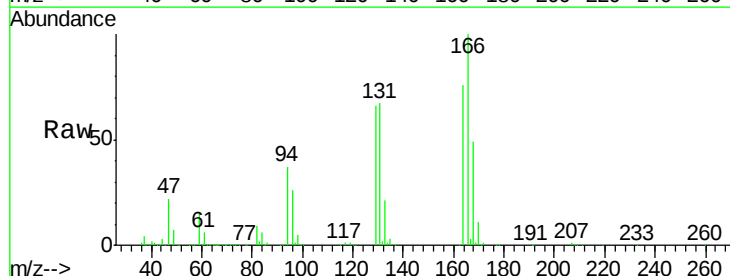
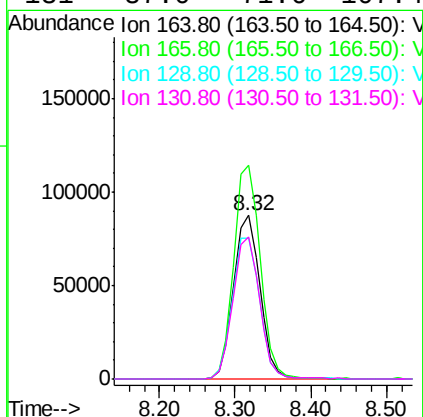
Manual Integrations
APPROVED

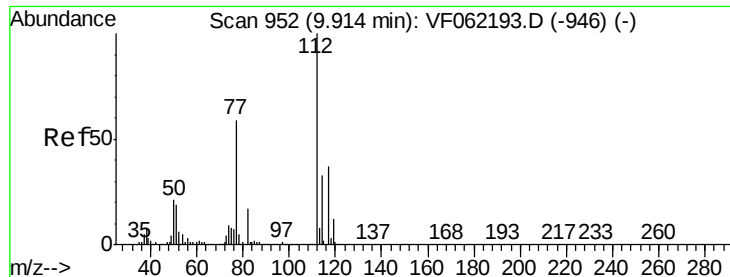
MMDadoda
4/23/2019 6:56:01 AM



#64
Tetrachloroethene
Concen: 55.022 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.03 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.7	104.7	157.1
129	86.5	72.6	109.0
131	87.0	71.6	107.4





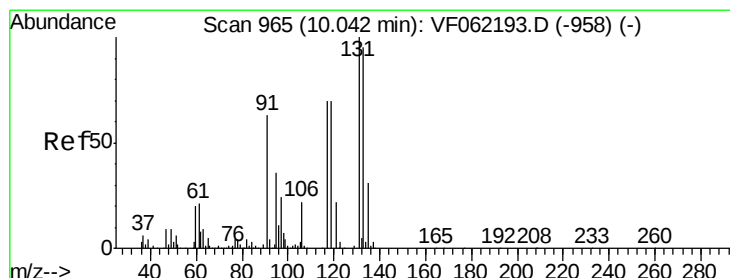
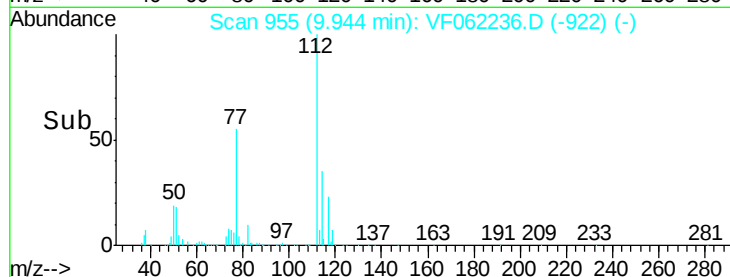
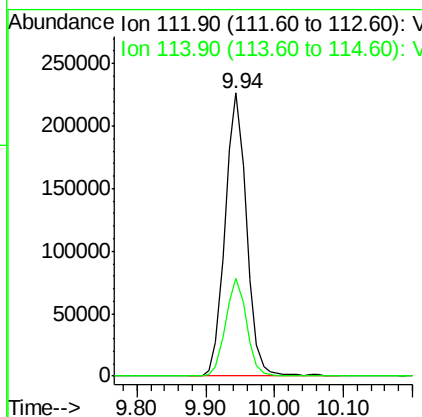
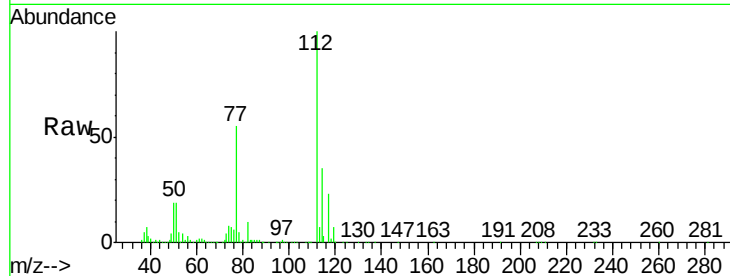
#65
Chlorobenzene
Concen: 53.800 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.03 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.7	26.1	39.1

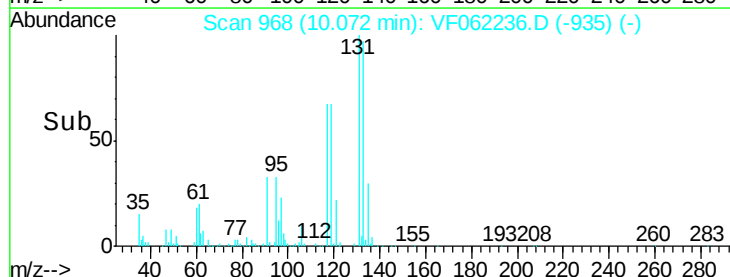
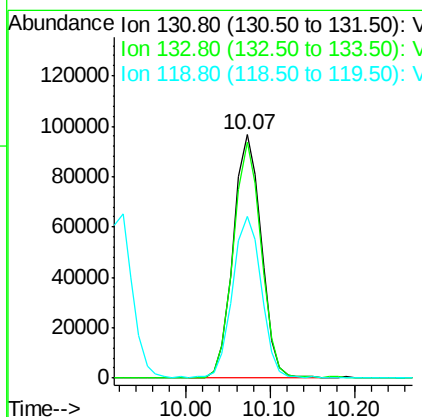
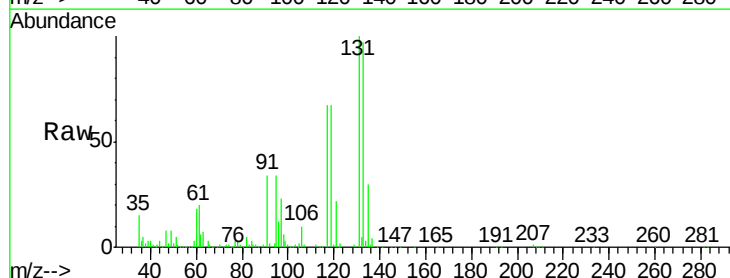
Manual Integrations
APPROVED

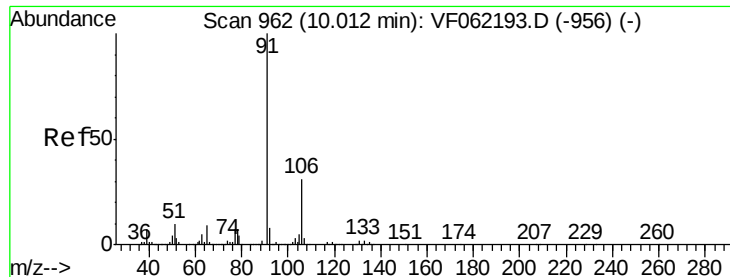
MMDadoda
4/23/2019 6:56:01 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.732 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.03 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.0	47.7	143.1
119	68.2	34.6	103.9





#67

Ethyl Benzene

Concen: 48.584 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.03 min

Lab File: VF062236.D

Acq: 19 Apr 2019 21:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 804140

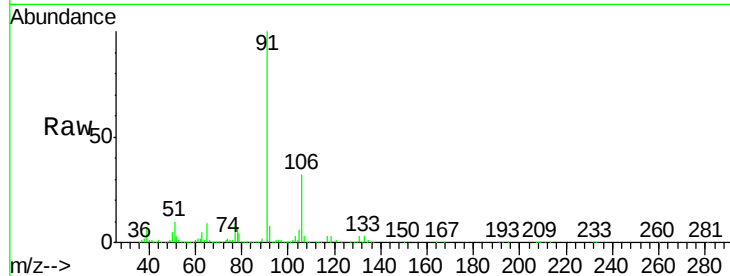
Ion Ratio Lower Upper

91 100

106 31.6 24.9 37.3

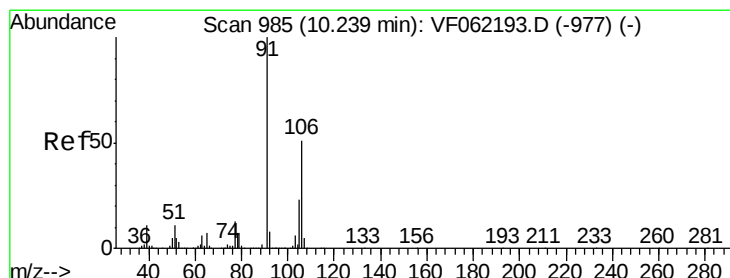
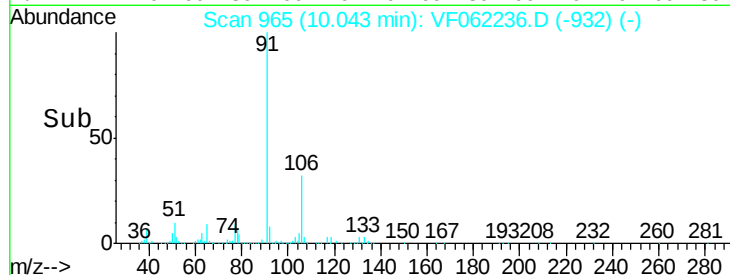
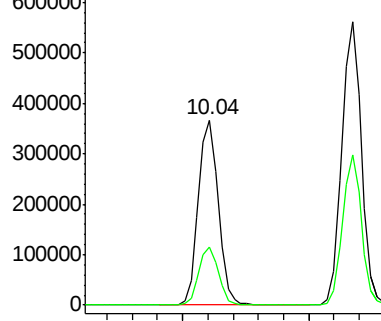
Manual Integrations
APPROVED

MMDadoda
4/23/2019 6:56:01 AM



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 102.914 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.03 min

Lab File: VF062236.D

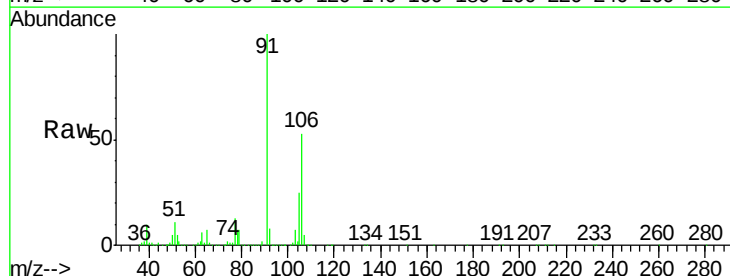
Acq: 19 Apr 2019 21:01

Tgt Ion: 106 Resp: 627063

Ion Ratio Lower Upper

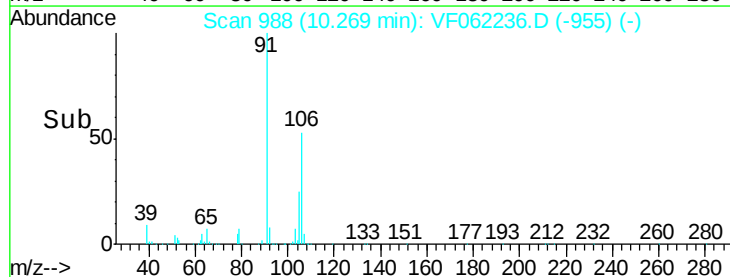
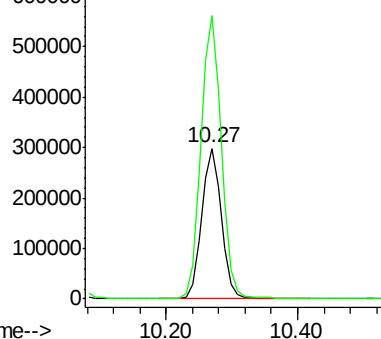
106 100

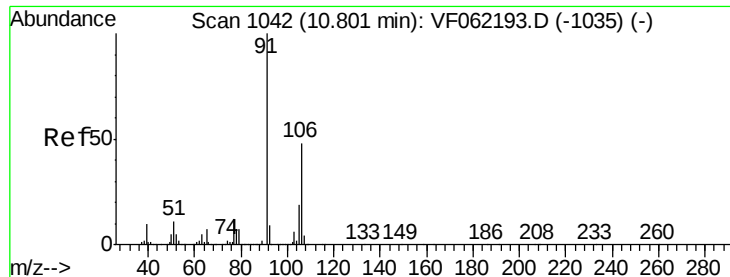
91 194.6 159.1 238.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





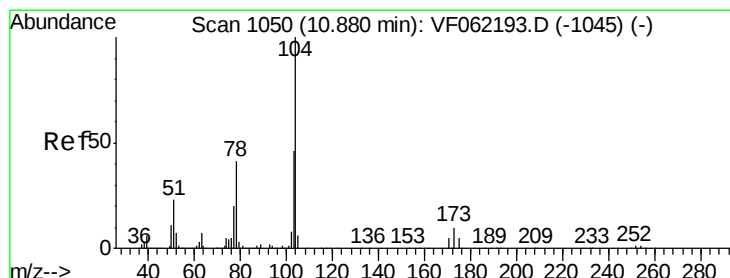
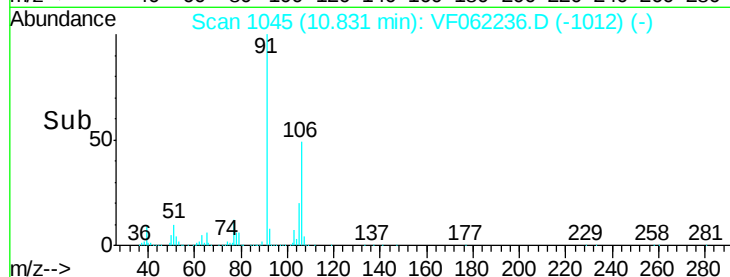
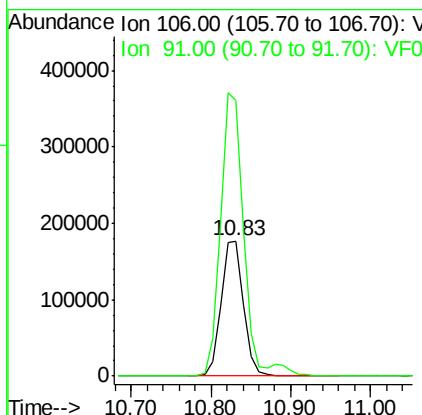
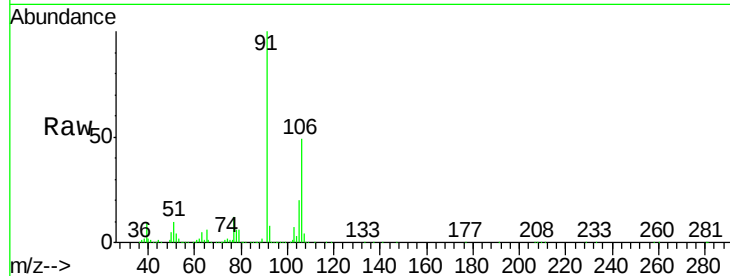
#69
o-Xylene
Concen: 51.949 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.03 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	210.4	107.5	351431	322.4	

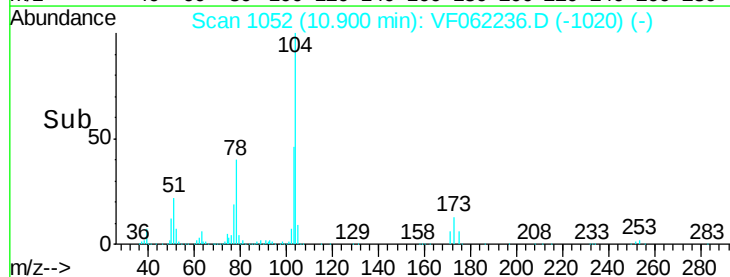
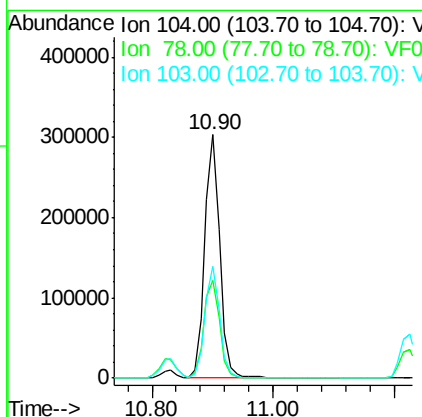
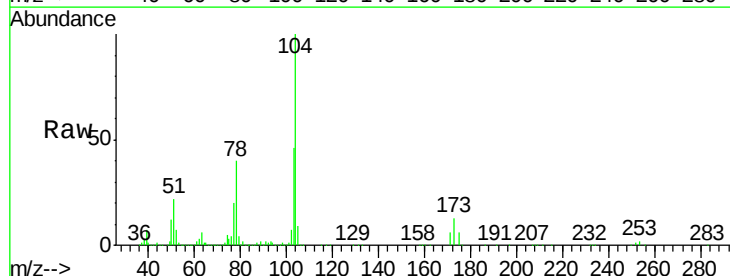
Manual Integrations
APPROVED

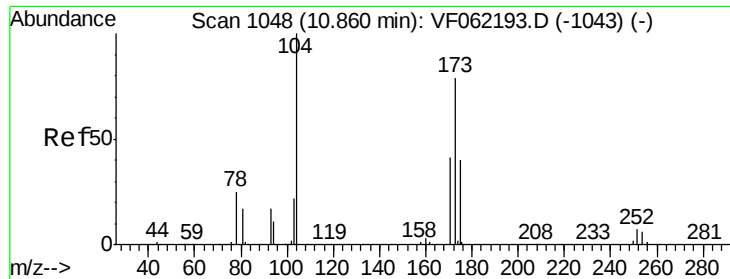
MMDadoda
4/23/2019 6:56:01 AM



#70
Styrene
Concen: 54.524 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.02 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	42.3	34.5	520530	51.7	
103	45.5	37.2		55.8	





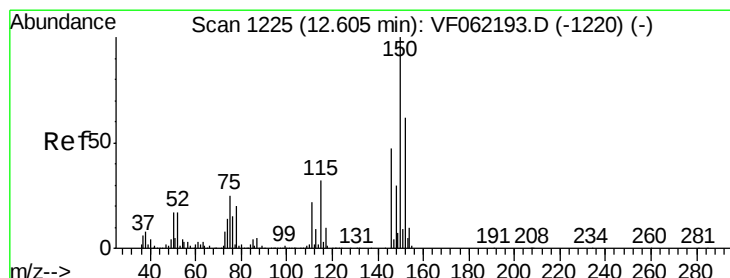
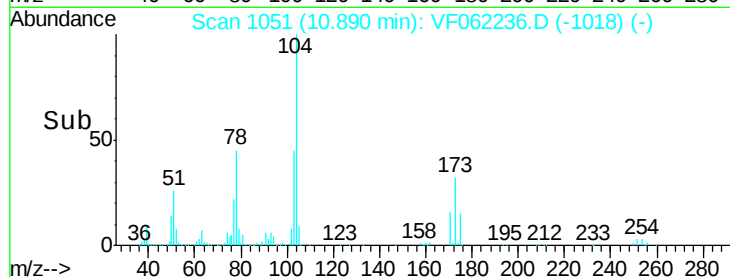
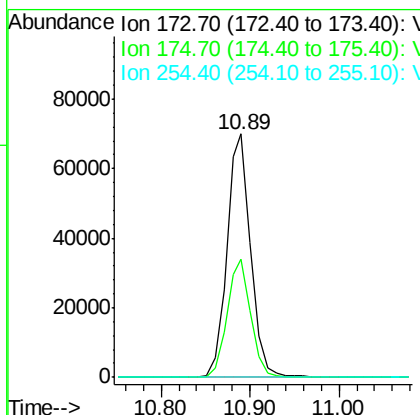
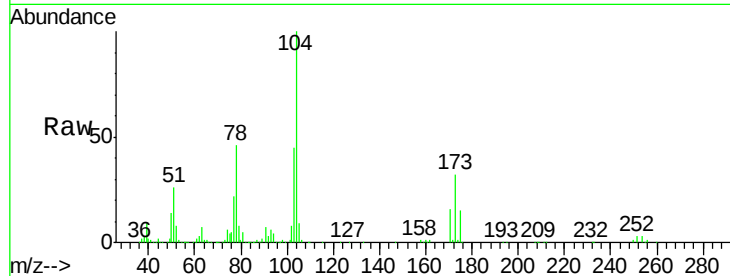
#71
Bromoform
Concen: 58.276 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.03 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.5	73.5
254	0.1	0.1	0.1#

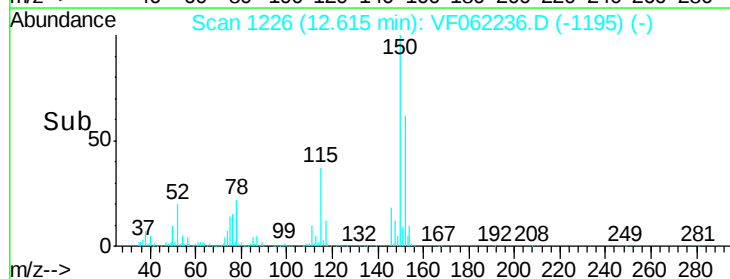
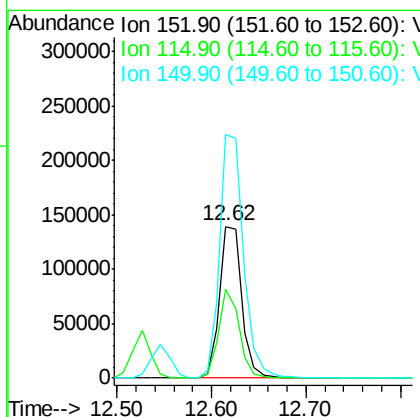
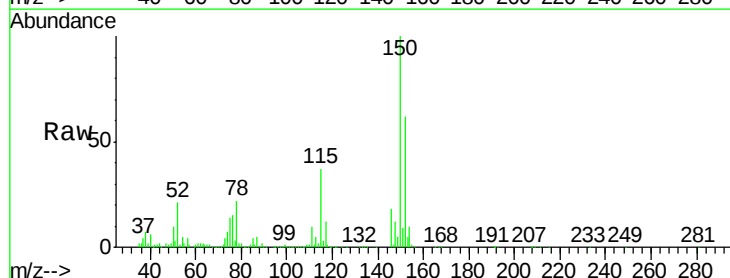
Manual Integrations
APPROVED

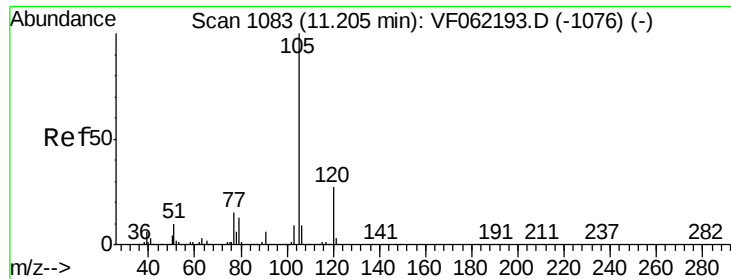
MMDadoda
4/23/2019 6:56:01 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	27.8	83.3
150	171.2	0.0	341.8





#73

Isopropylbenzene

Concen: 50.892 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VF062236.D

Acq: 19 Apr 2019 21:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 989230

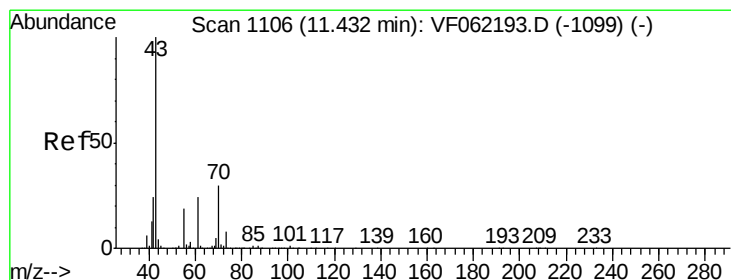
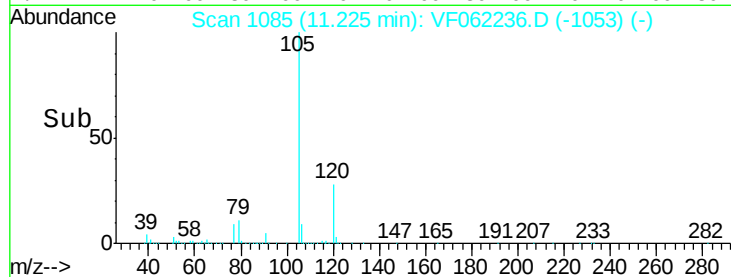
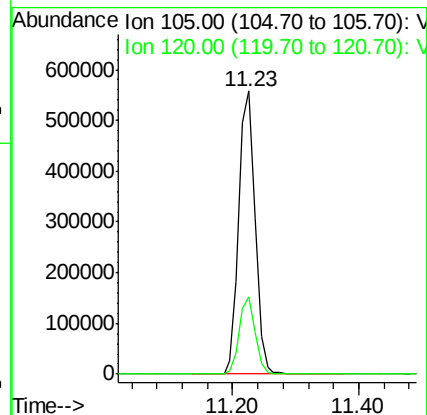
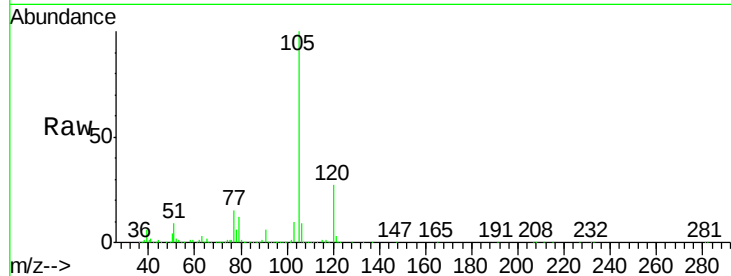
Ion Ratio Lower Upper

105 100

120 26.3 13.0 38.9

Manual Integrations
APPROVED

MMDadoda
4/23/2019 6:56:01 AM



#74

N-ethyl acetate

Concen: 53.508 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.02 min

Lab File: VF062236.D

Acq: 19 Apr 2019 21:01

Tgt Ion: 43 Resp: 246060

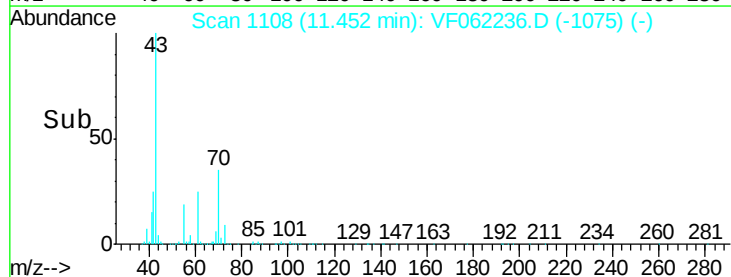
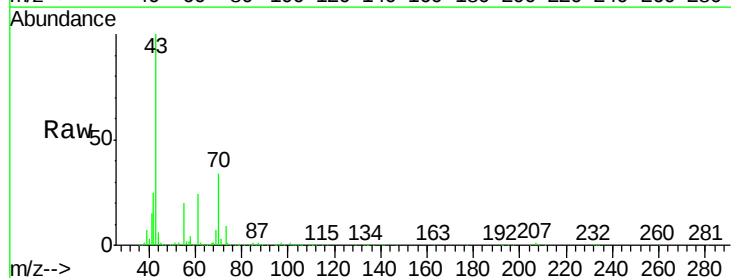
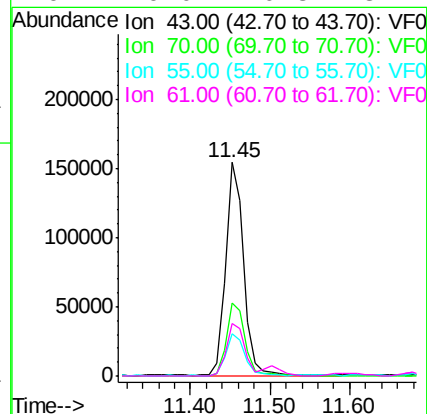
Ion Ratio Lower Upper

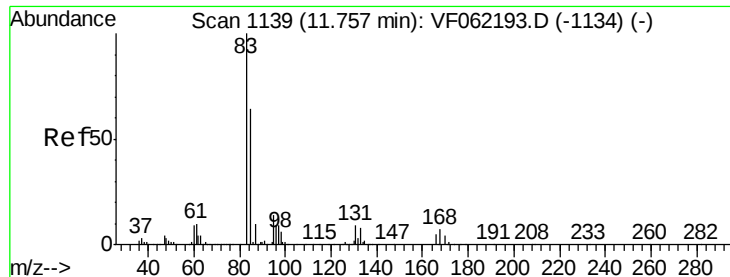
43 100

70 36.1 27.0 40.4

55 21.0 15.7 23.5

61 26.0 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 50.825 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.02 min

Lab File: VF062236.D

Acq: 19 Apr 2019 21:01

Instrument :

MSVOA_F

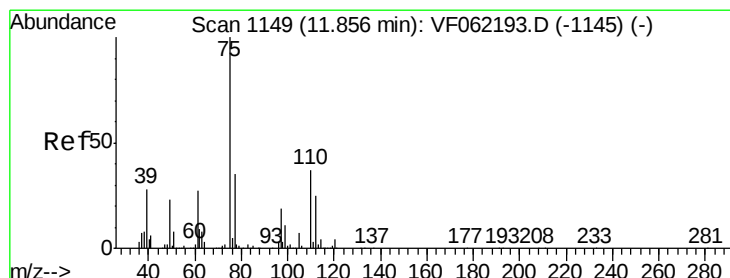
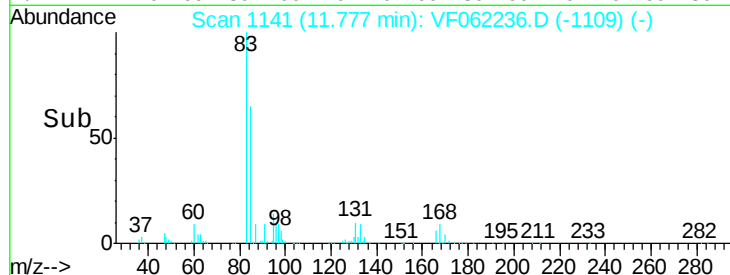
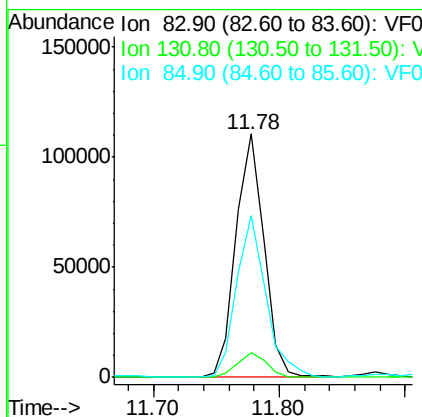
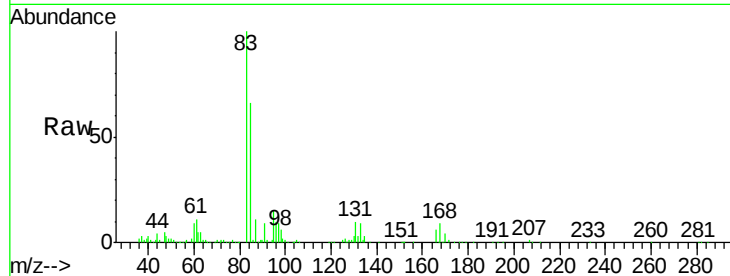
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	169899
Ion Ratio	Lower	Upper	
83	100		
131	10.8	4.5	13.5
85	70.3	34.7	104.1

Manual Integrations
APPROVED

MMDadoda
4/23/2019 6:56:01 AM



#76

1,2,3-Trichloropropane

Concen: 51.136 ug/l m

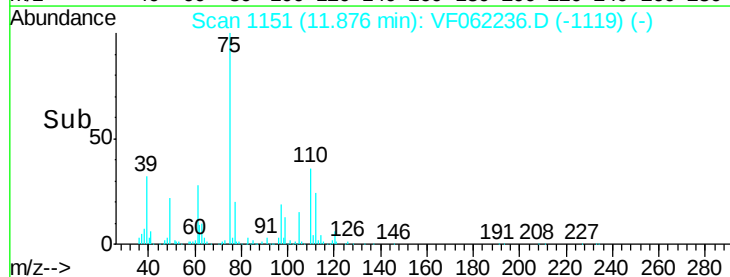
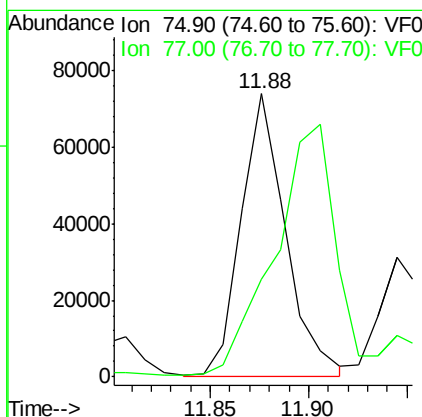
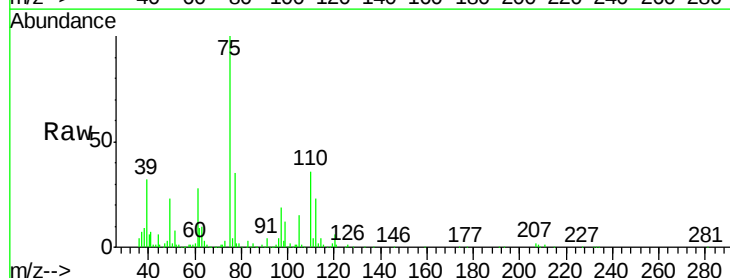
RT: 11.88 min Scan# 1151

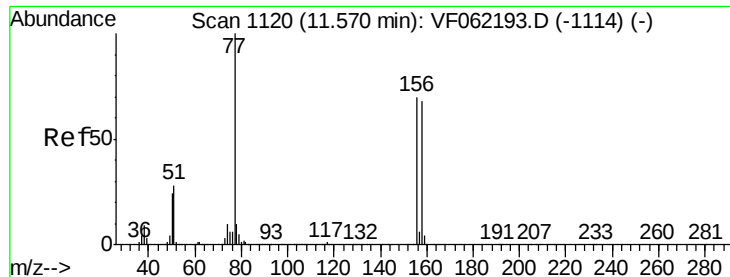
Delta R.T. 0.02 min

Lab File: VF062236.D

Acq: 19 Apr 2019 21:01

Tgt Ion:	75	Resp:	117606
Ion Ratio	Lower	Upper	
75	100		
77	12.2	7.4	22.2





#77

Bromobenzene

Concen: 58.662 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.02 min

Lab File: VF062236.D

Acq: 19 Apr 2019 21:01

Instrument :

MSVOA_F

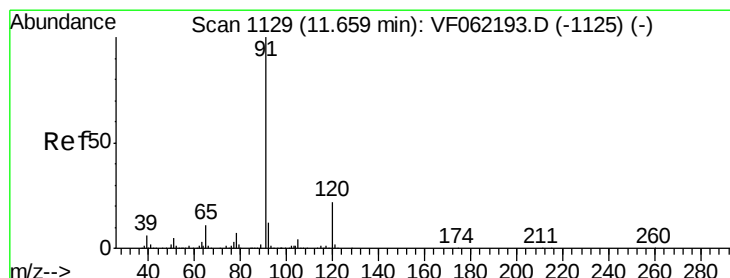
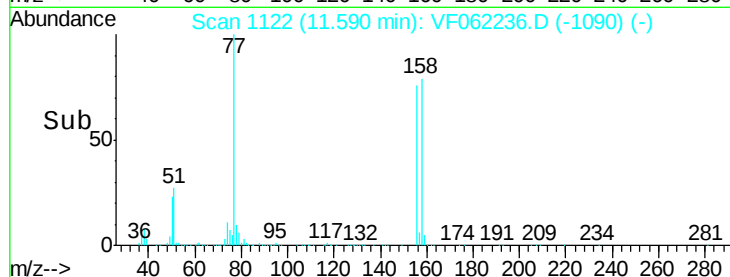
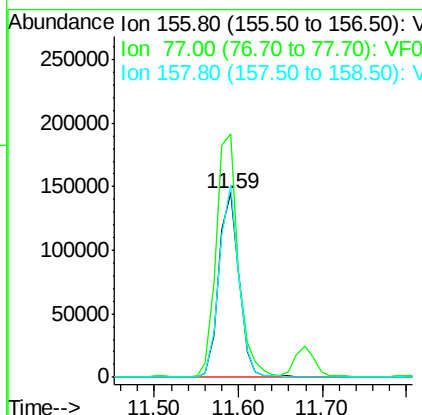
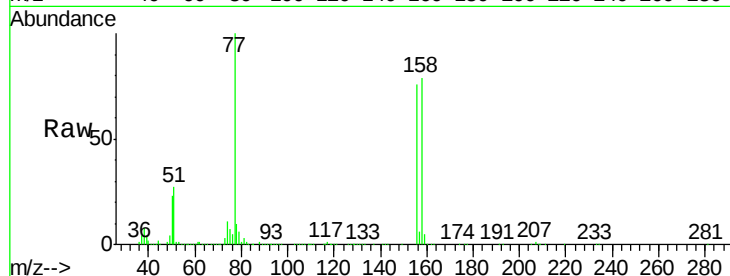
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	244264
Ion Ratio	Lower	Upper	
156	100		
77	142.4	80.9	242.7
158	101.2	49.8	149.4

Manual Integrations
APPROVED

MMDadoda
4/23/2019 6:56:01 AM



#78

n-propylbenzene

Concen: 48.958 ug/l

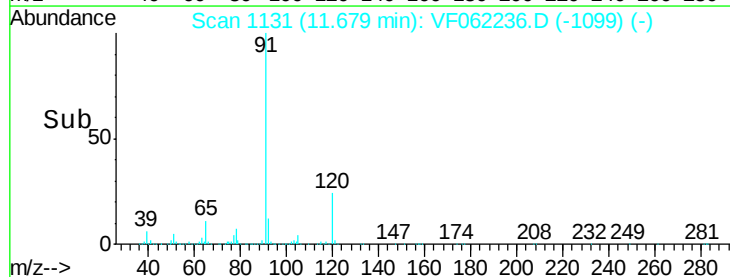
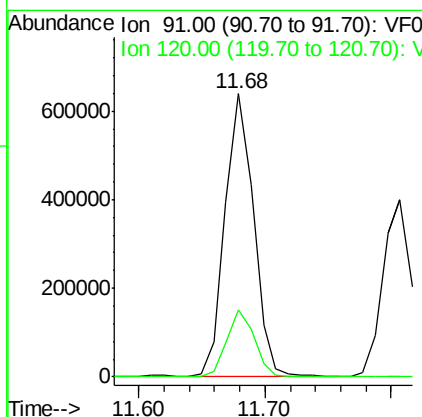
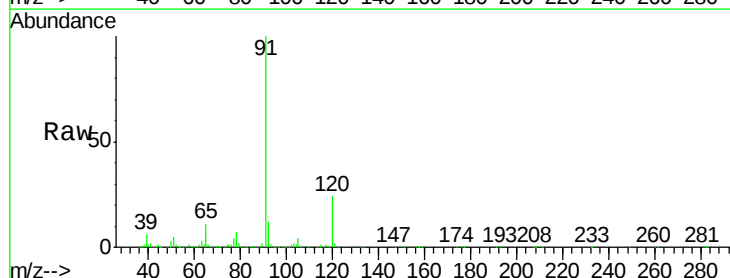
RT: 11.68 min Scan# 1131

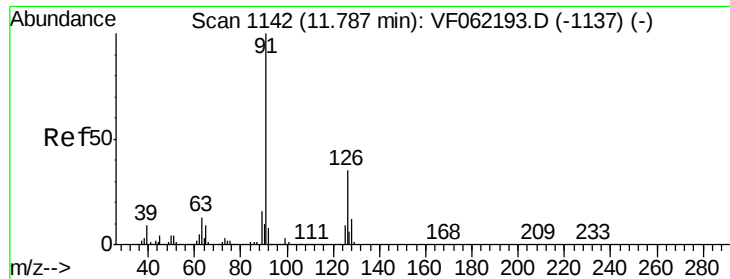
Delta R.T. 0.02 min

Lab File: VF062236.D

Acq: 19 Apr 2019 21:01

Tgt Ion:	91	Resp:	1003888
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.2	33.6





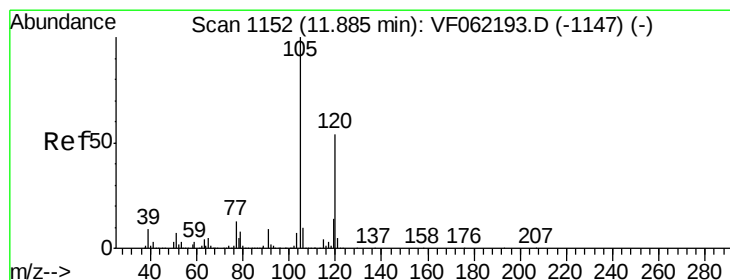
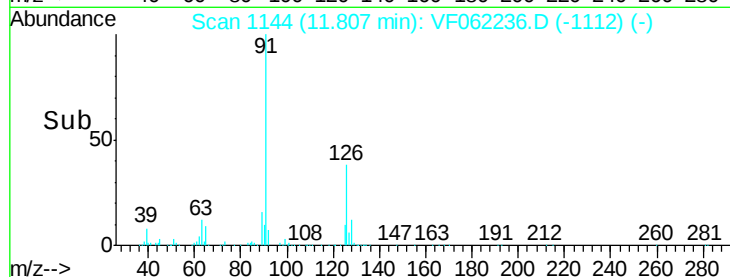
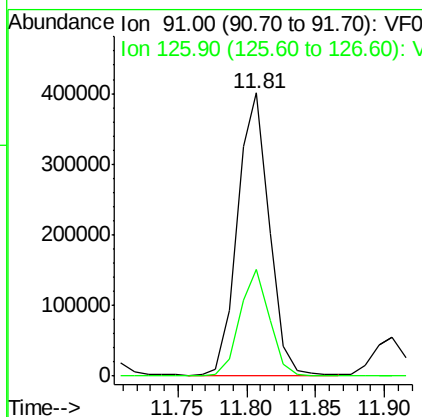
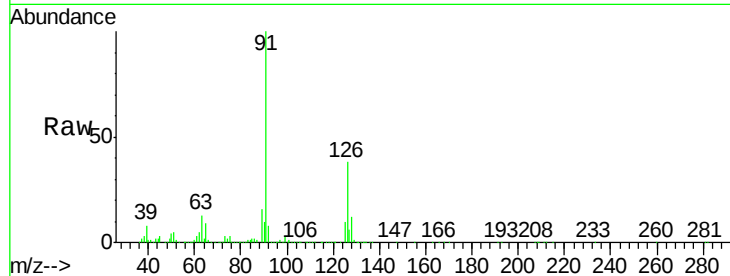
#79
2-Chlorotoluene
Concen: 51.177 ug/l
RT: 11.81 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
126	36.1	16.9	50.6

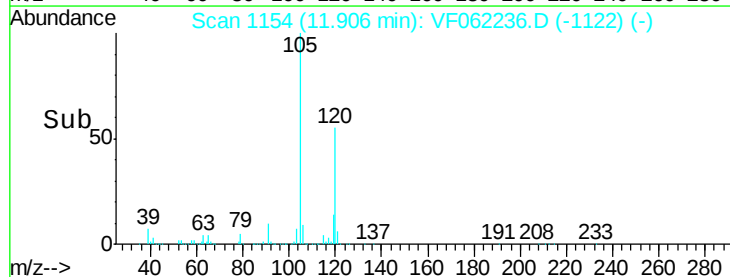
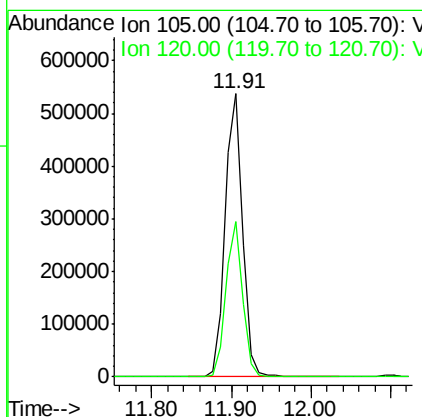
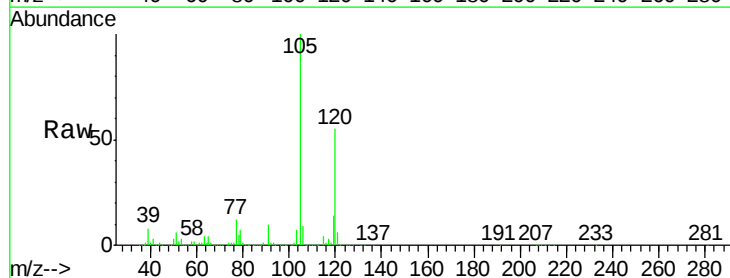
Manual Integrations
APPROVED

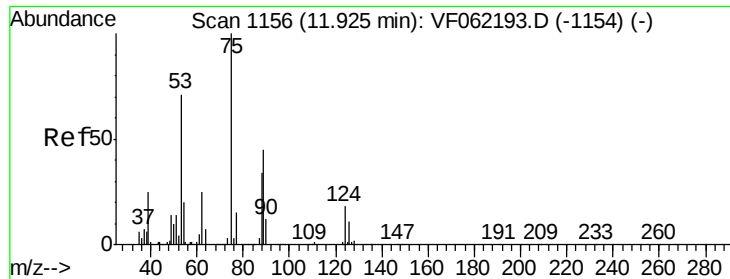
MMDadoda
4/23/2019 6:56:01 AM



#80
1,3,5-Trimethylbenzene
Concen: 51.169 ug/l
RT: 11.91 min Scan# 1154
Delta R.T. 0.02 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	52.9	26.2	78.5





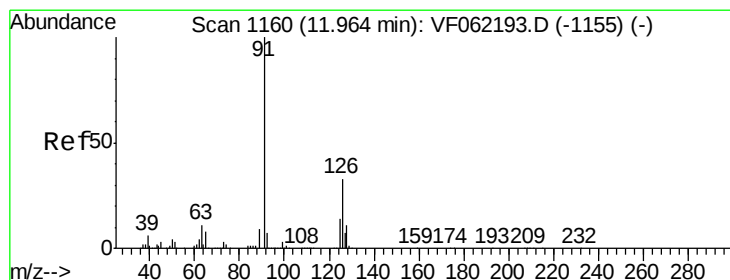
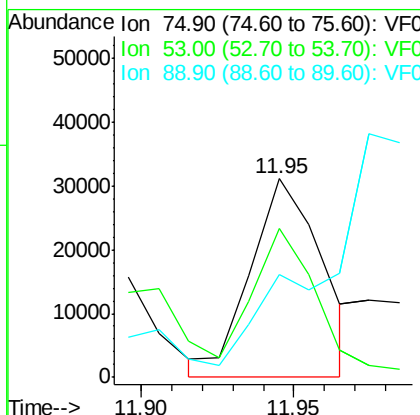
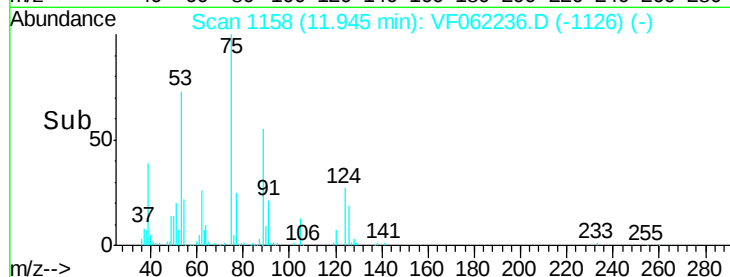
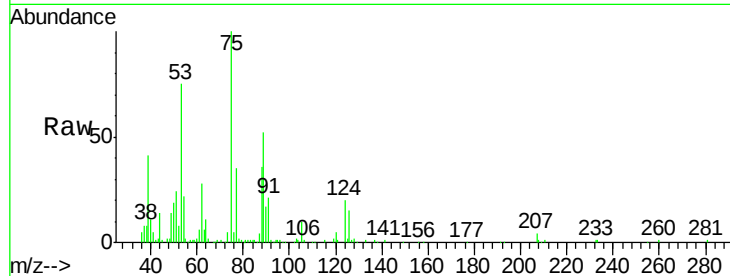
#81
trans-1,4-Dichloro-2-butene
Concen: 43.229 ug/l m
RT: 11.95 min Scan# 1158
Delta R.T. 0.02 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	69.9	50.2	75.4
89	0.0	0.0	0.0

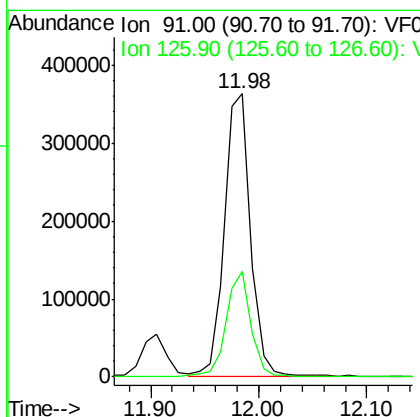
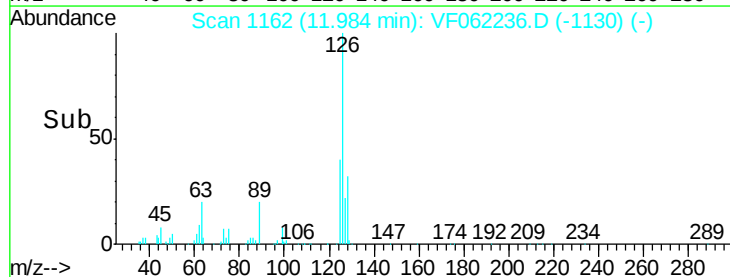
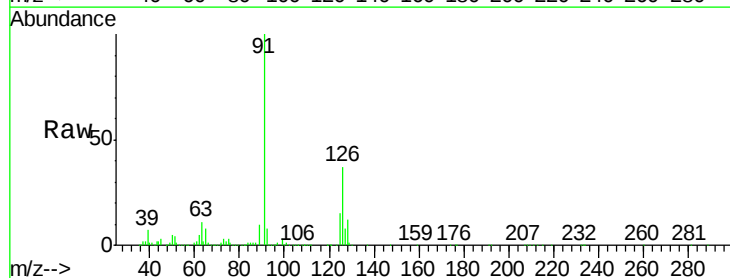
Manual Integrations
APPROVED

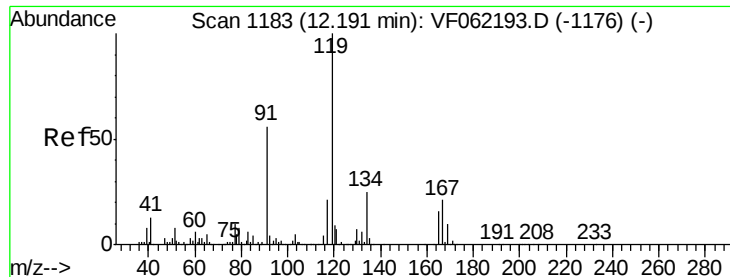
MMDadoda
4/23/2019 6:56:01 AM



#82
4-Chlorotoluene
Concen: 50.323 ug/l
RT: 11.98 min Scan# 1162
Delta R.T. 0.02 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	16.9	50.6





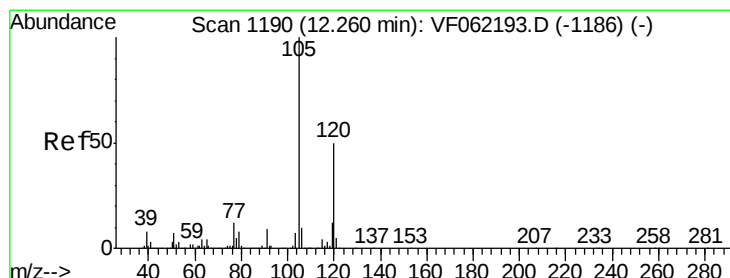
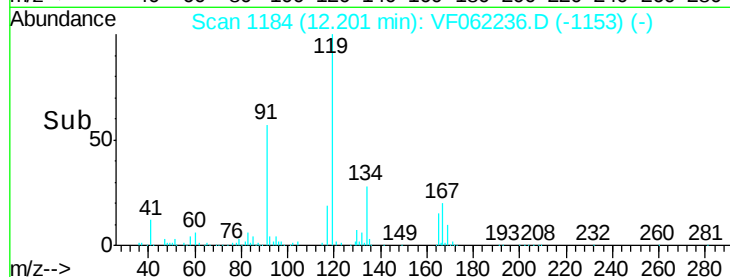
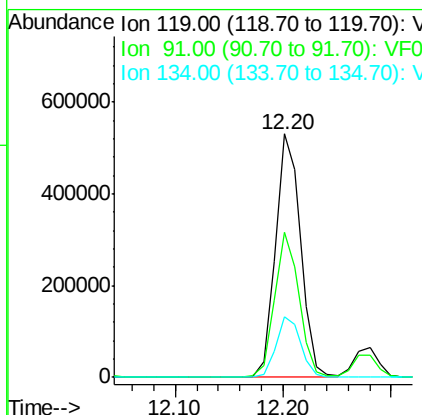
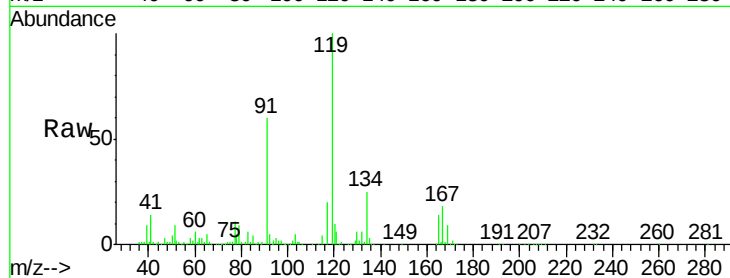
#83
tert-Butylbenzene
Concen: 51.670 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.8	29.4	88.2
134	24.5	11.8	35.3

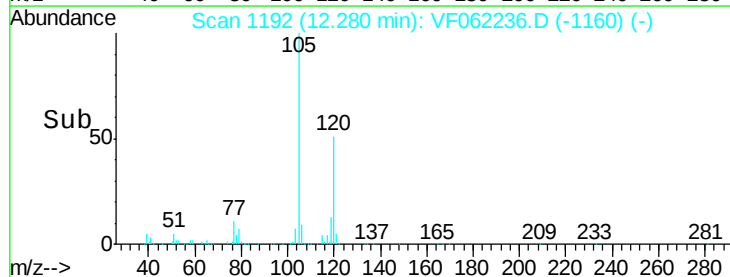
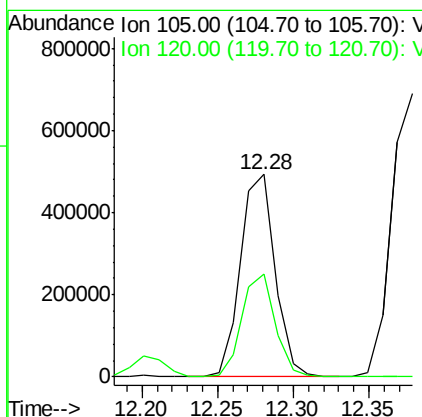
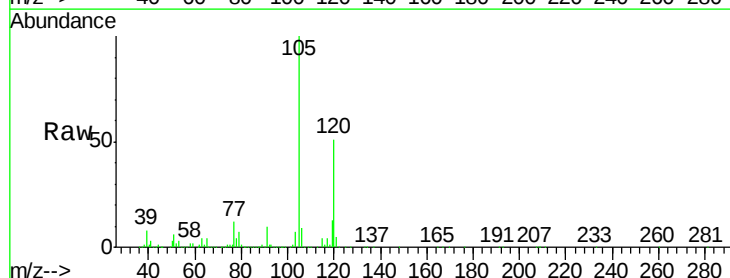
Manual Integrations
APPROVED

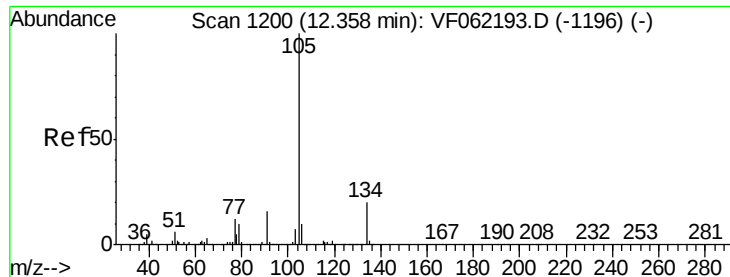
MMDadoda
4/23/2019 6:56:01 AM



#84
1,2,4-Trimethylbenzene
Concen: 50.129 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. 0.02 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.9	24.0	72.0





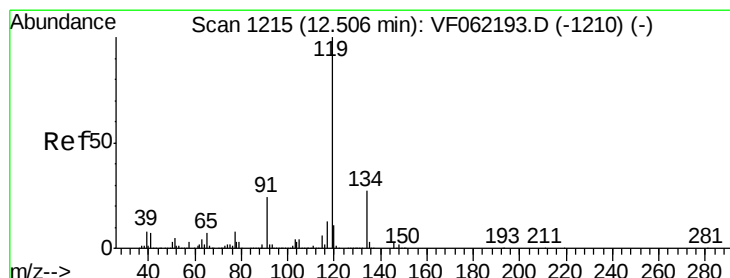
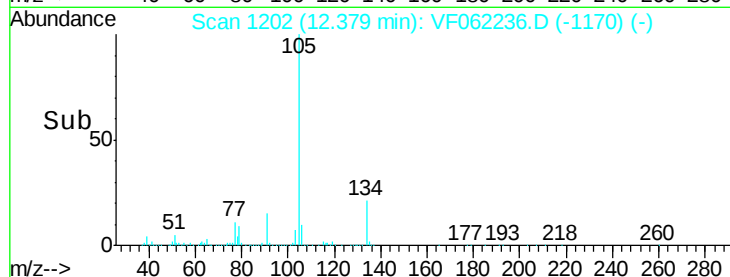
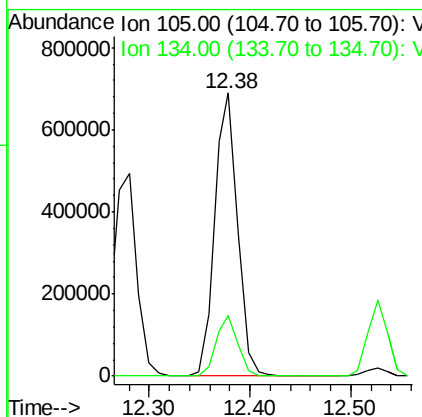
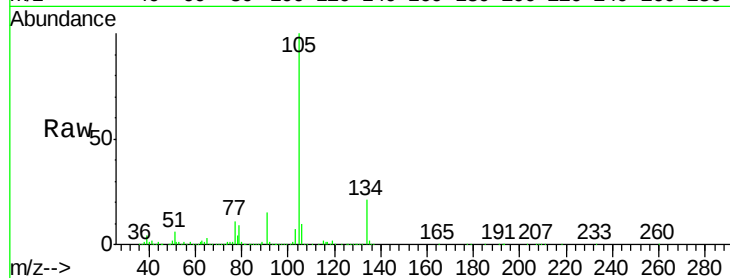
#85
 sec-Butylbenzene
 Concen: 50.154 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. 0.02 min
 Lab File: VF062236.D
 Acq: 19 Apr 2019 21:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1090112
 Ion Ratio Lower Upper
 105 100
 134 20.5 9.7 29.1

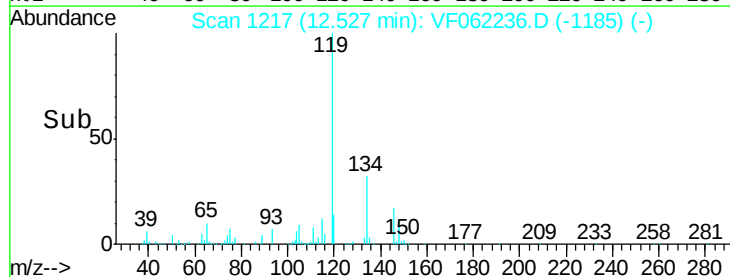
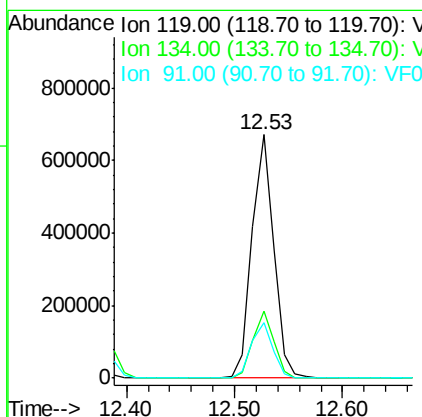
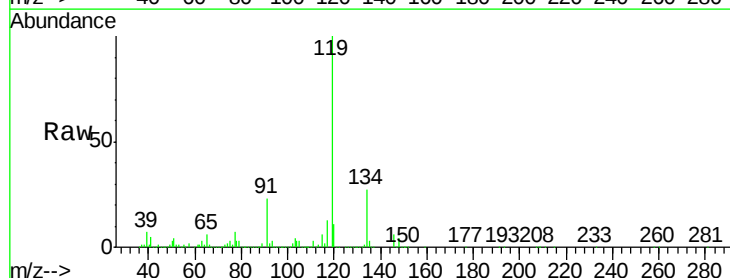
Manual Integrations
 APPROVED

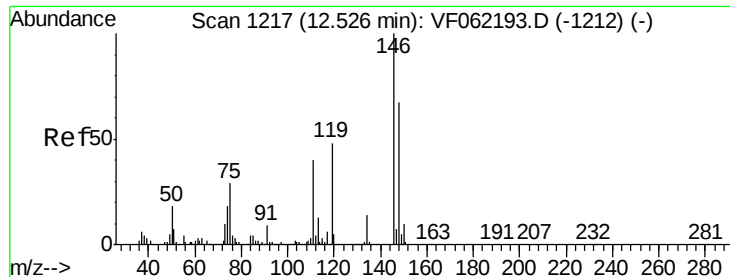
MMDadoda
 4/23/2019 6:56:01 AM



#86
 p-Isopropyltoluene
 Concen: 50.947 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.02 min
 Lab File: VF062236.D
 Acq: 19 Apr 2019 21:01

Tgt Ion:119 Resp: 939328
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.2 39.5
 91 22.7 11.7 35.1





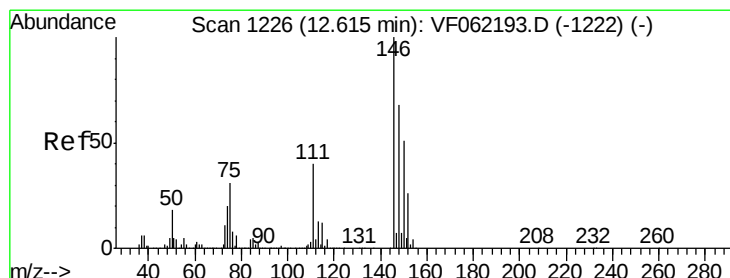
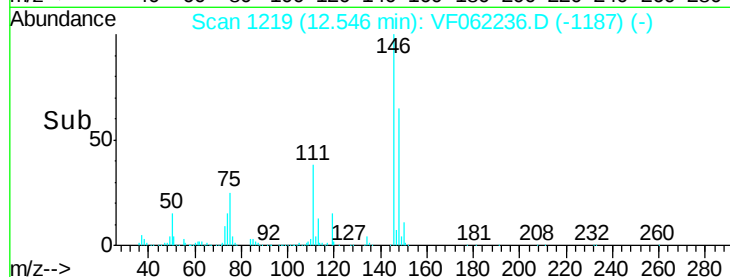
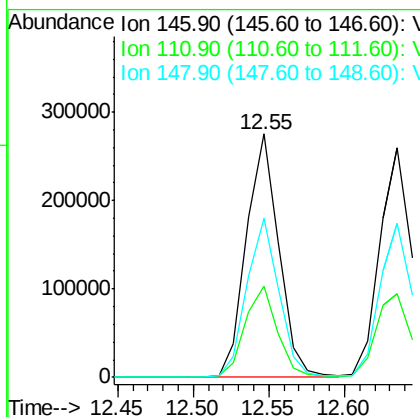
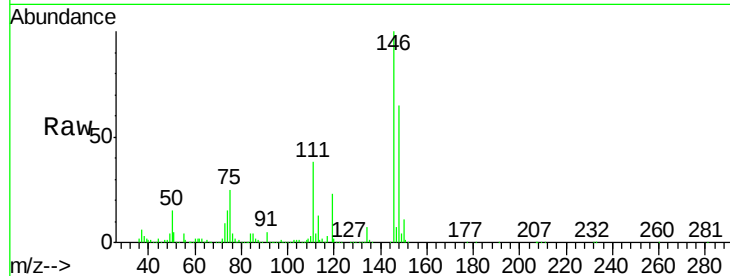
#87
 1,3-Dichlorobenzene
 Concen: 53.489 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.02 min
 Lab File: VF062236.D
 Acq: 19 Apr 2019 21:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.7	59.0
148	64.7	32.9	98.6

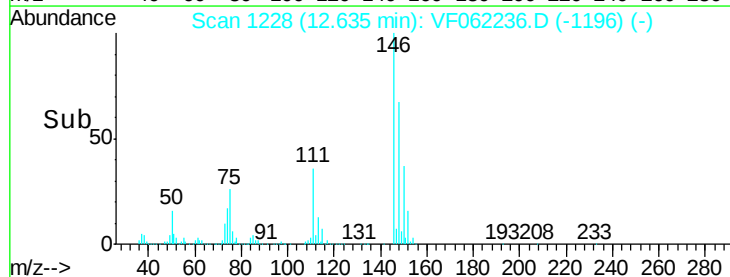
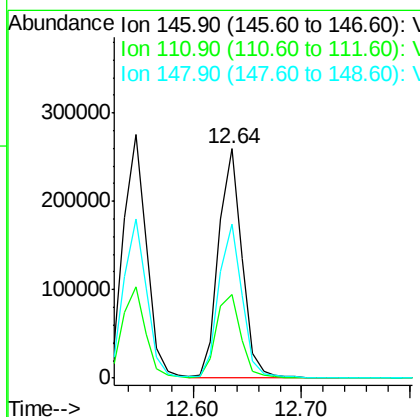
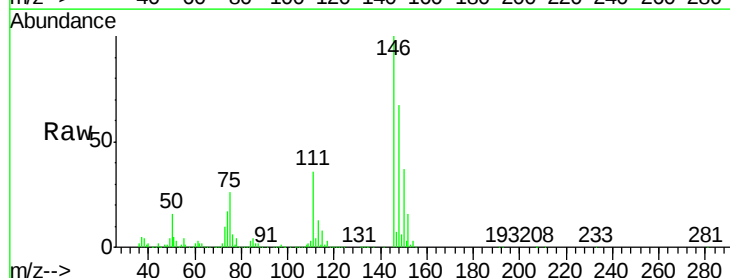
Manual Integrations
 APPROVED

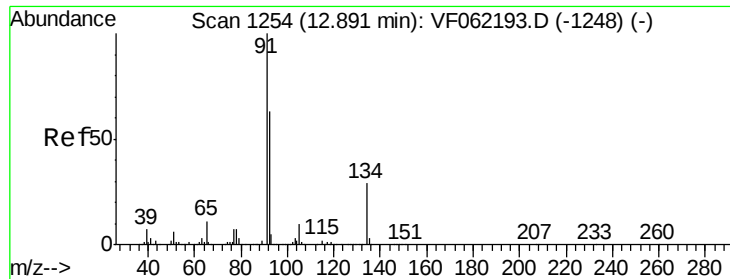
MMDadoda
 4/23/2019 6:56:01 AM



#88
 1,4-Dichlorobenzene
 Concen: 52.488 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.02 min
 Lab File: VF062236.D
 Acq: 19 Apr 2019 21:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.0	60.0
148	67.2	33.6	100.8





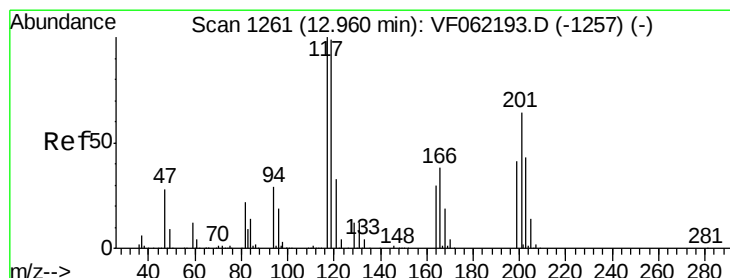
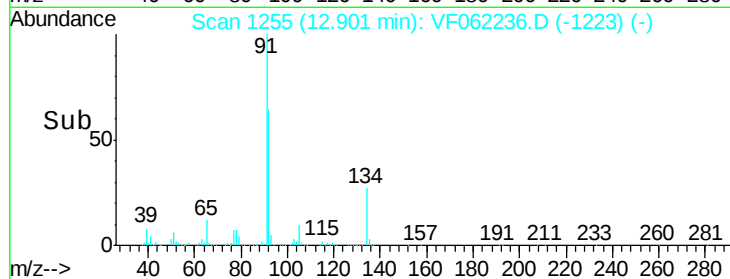
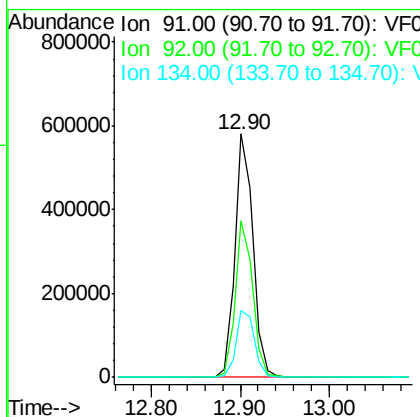
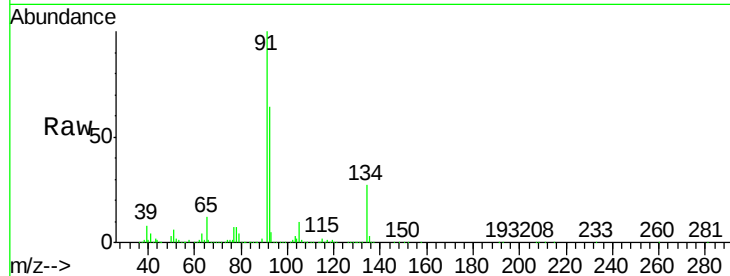
#89
n-Butylbenzene
Concen: 55.224 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	62.5	31.2	93.6
134	28.1	13.1	39.1

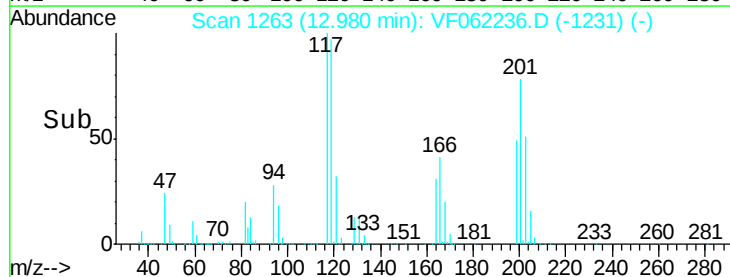
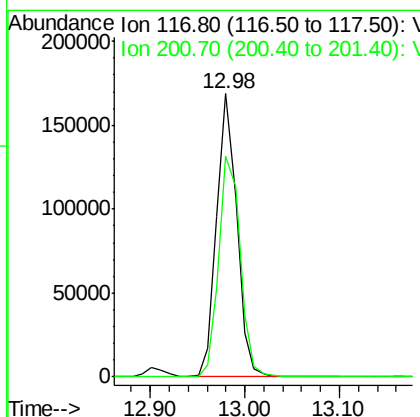
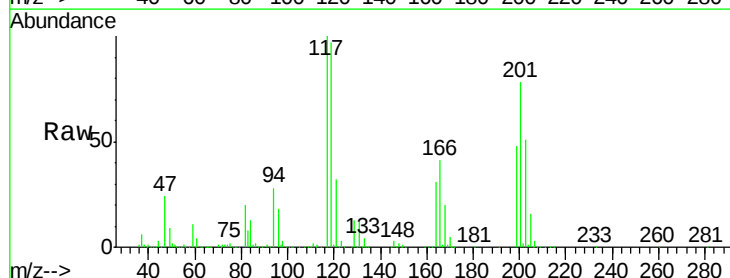
Manual Integrations
APPROVED

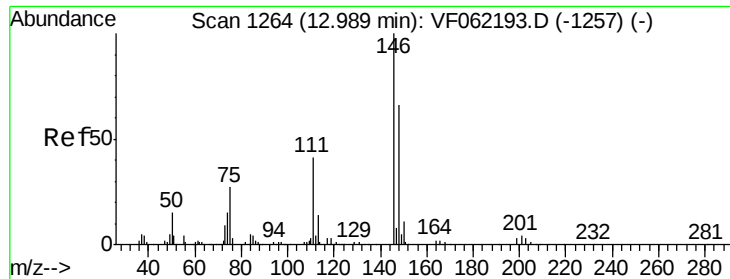
MMDadoda
4/23/2019 6:56:01 AM



#90
Hexachloroethane
Concen: 52.936 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. 0.02 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.1	37.7	113.1





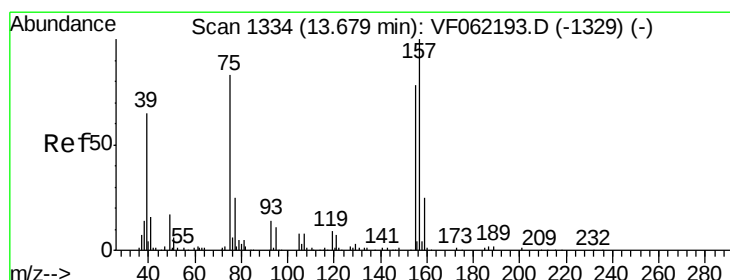
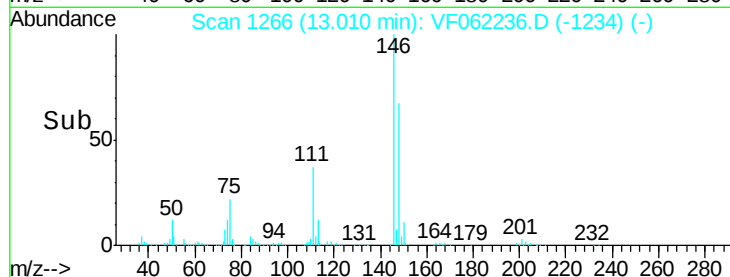
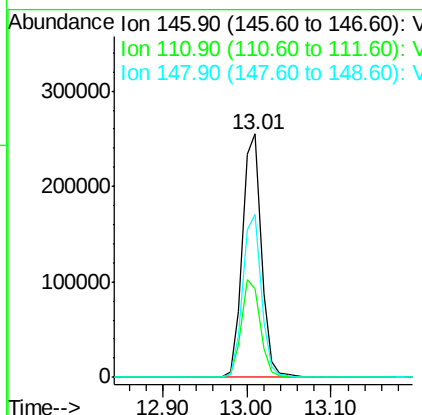
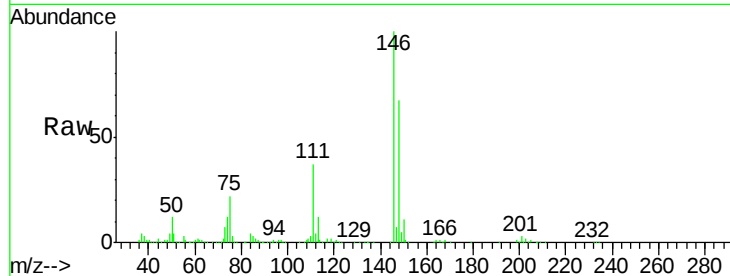
#91
 1,2-Dichlorobenzene
 Concen: 53.593 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. 0.02 min
 Lab File: VF062236.D
 Acq: 19 Apr 2019 21:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.8	62.5
148	66.3	33.0	99.0

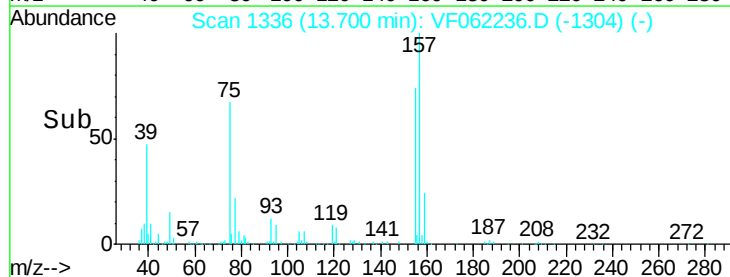
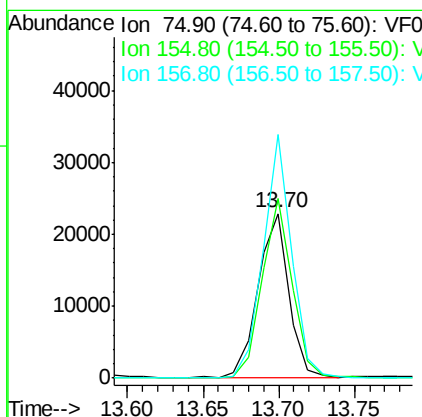
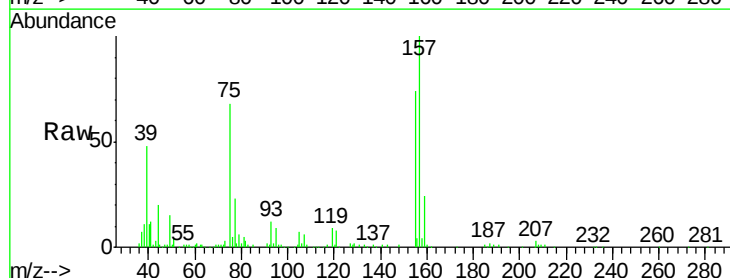
Manual Integrations
 APPROVED

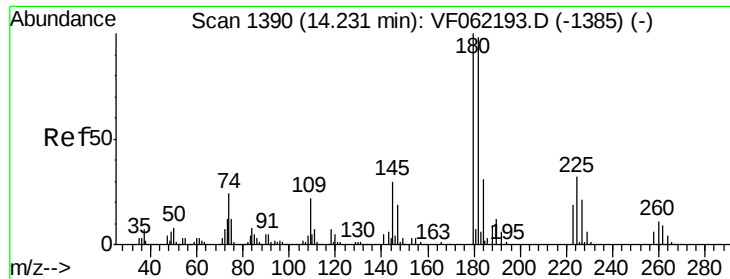
MMDadoda
 4/23/2019 6:56:01 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.019 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. 0.02 min
 Lab File: VF062236.D
 Acq: 19 Apr 2019 21:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	106.2	47.6	142.8
157	136.3	61.3	183.9





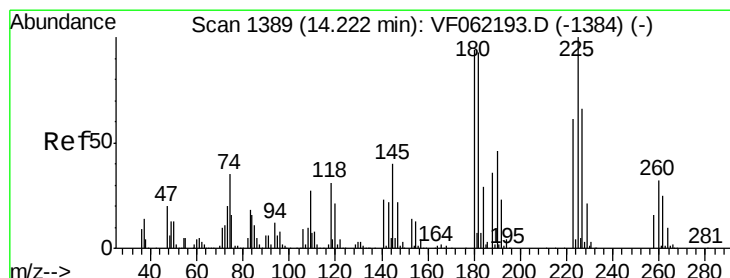
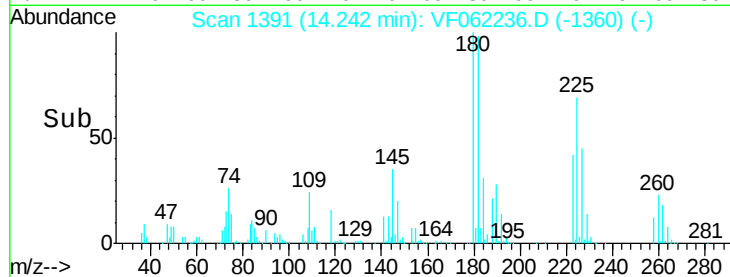
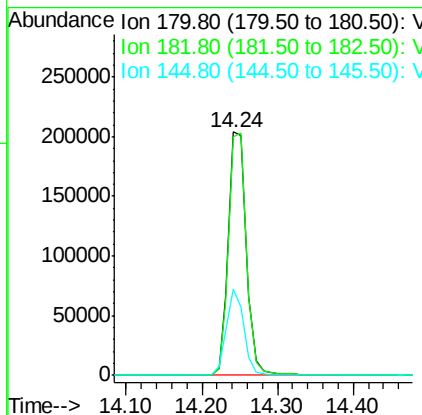
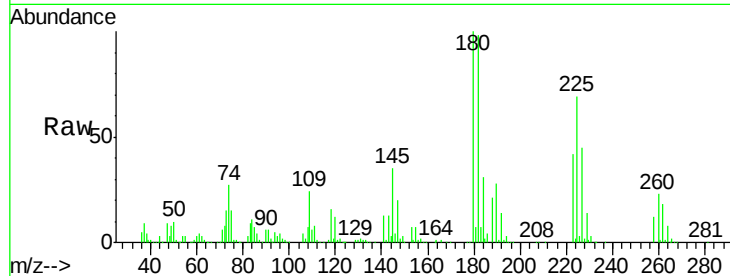
#93
 1,2,4-Trichlorobenzene
 Concen: 53.717 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062236.D
 Acq: 19 Apr 2019 21:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	98.4	49.3	147.9	
145	34.9	18.1	54.4	

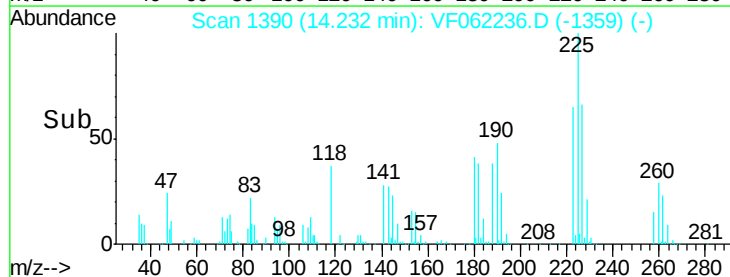
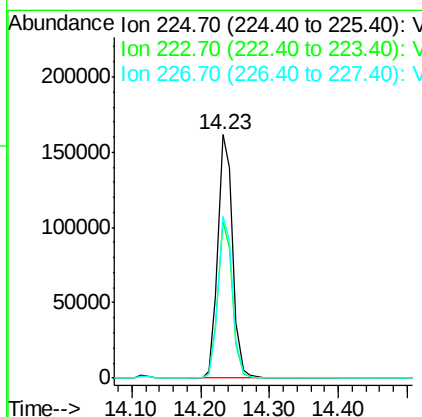
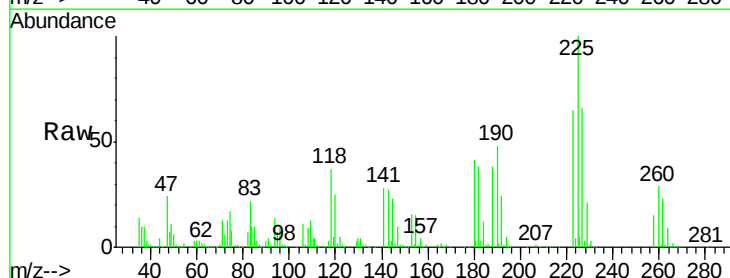
Manual Integrations
 APPROVED

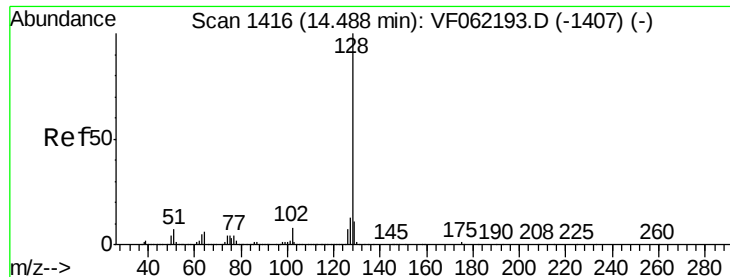
MMDadoda
 4/23/2019 6:56:01 AM



#94
 Hexachlorobutadiene
 Concen: 56.426 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VF062236.D
 Acq: 19 Apr 2019 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	31.0	93.0	
227	65.2	32.4	97.0	





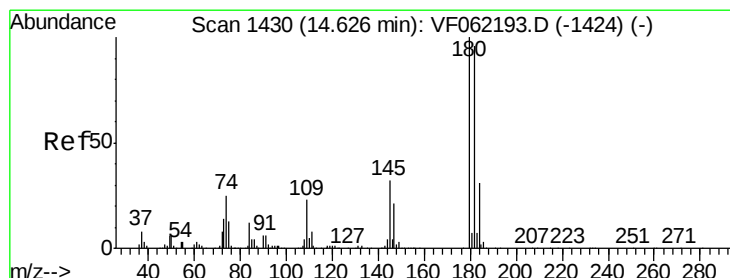
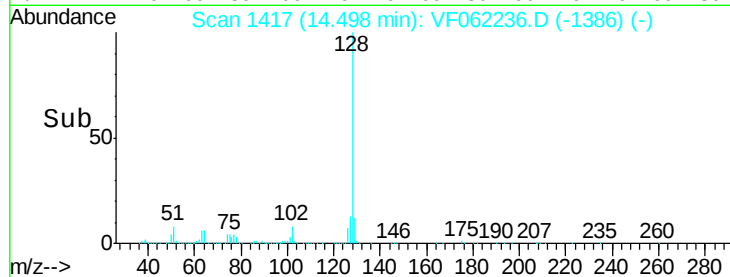
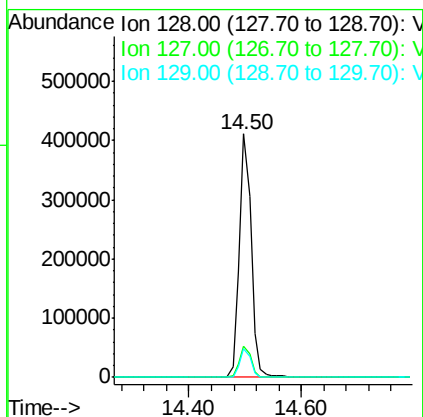
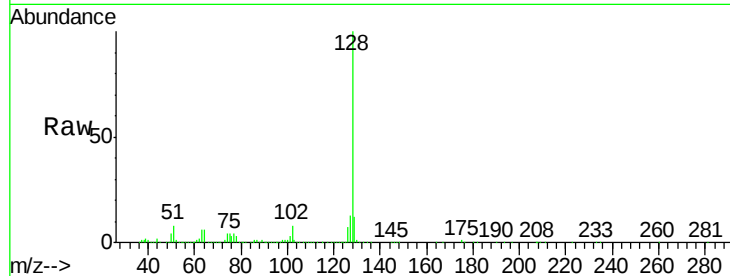
#95
Naphthalene
Concen: 55.474 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. 0.01 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	605514		
127	12.8		10.4	15.6
129	11.4		9.2	13.8

Manual Integrations
APPROVED

MMDadoda
4/23/2019 6:56:01 AM



#96
1,2,3-Trichlorobenzene
Concen: 55.527 ug/l
RT: 14.65 min Scan# 1432
Delta R.T. 0.02 min
Lab File: VF062236.D
Acq: 19 Apr 2019 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	332778		
182	101.4		48.4	145.3
145	30.4		15.6	46.8

