

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032219\
 Data File : VF062078.D
 Acq On : 22 Mar 2019 12:25
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 11:57:11 AM

Quant Time: Mar 23 01:07:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 00:41:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.91	168	295115	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.63	114	435863	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.81	117	378393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	190594	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.88	65	118671	54.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.12%	
35) Dibromofluoromethane	4.15	113	161044	54.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.24%	
50) Toluene-d8	7.59	98	498870	56.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.36%	
62) 4-Bromofluorobenzene	11.44	95	182668	53.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.52%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	185610	49.095	ug/l	100
3) Chloromethane	1.10	50	196343	49.633	ug/l	100
4) Vinyl Chloride	1.15	62	184729	50.484	ug/l	100
5) Bromomethane	1.33	94	128743	48.946	ug/l	100
6) Chloroethane	1.42	64	92571	50.255	ug/l	100
7) Trichlorofluoromethane	1.51	101	228160	53.756	ug/l	100
8) Diethyl Ether	1.64	74	50762	50.285	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.86	101	153328	50.857	ug/l	100
10) Methyl Iodide	1.93	142	286688m	50.999	ug/l	
11) Tert butyl alcohol	2.59	59	31334	259.435	ug/l	100
12) 1,1-Dichloroethene	1.82	96	141832	49.858	ug/l	100
13) Acrolein	2.02	56	38375	263.623	ug/l	100
14) Allyl chloride	2.12	41	153637	50.586	ug/l	100
15) Acrylonitrile	2.97	53	104657	246.419	ug/l	100
16) Acetone	2.26	43	137303	297.198	ug/l	100
17) Carbon Disulfide	1.85	76	446483m	52.509	ug/l	
18) Methyl Acetate	2.36	43	49979	45.668	ug/l	100
19) Methyl tert-butyl Ether	2.45	73	224303	49.890	ug/l	100
20) Methylene Chloride	2.20	84	139154m	45.087	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	140077	52.984	ug/l	100
22) Diisopropyl ether	2.83	45	386640	48.555	ug/l	100
23) Vinyl Acetate	3.21	43	823167	252.487	ug/l	100
24) 1,1-Dichloroethane	2.90	63	231850	48.553	ug/l	100
25) 2-Butanone	4.37	43	255964	265.394	ug/l	100
26) 2,2-Dichloropropane	3.63	77	99694	51.492	ug/l	100
27) cis-1,2-Dichloroethene	3.51	96	174897	48.222	ug/l	100
28) Bromochloromethane	3.75	49	103035	52.811	ug/l	100
29) Tetrahydrofuran	4.11	42	101314	241.606	ug/l	100
30) Chloroform	3.89	83	246398	48.825	ug/l	100
31) Cyclohexane	3.72	56	248374m	53.001	ug/l	
32) 1,1,1-Trichloroethane	4.13	97	150281	48.954	ug/l	100
36) 1,1-Dichloropropene	4.32	75	211835	51.025	ug/l	100
37) Ethyl Acetate	4.15	43	89641	49.406	ug/l	100
38) Carbon Tetrachloride	4.02	117	146553	51.793	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	261474	54.266	ug/l	100
40) Benzene	4.67	78	571878	51.384	ug/l	100
41) Methacrylonitrile	4.78	41	49966	52.048	ug/l	100
42) 1,2-Dichloroethane	4.98	62	136256	51.771	ug/l	100
43) Isopropyl Acetate	6.99	43	111331	50.667	ug/l	100
44) Trichloroethene	5.54	130	175070	51.450	ug/l	100
45) 1,2-Dichloropropane	6.27	63	135297	50.969	ug/l	100
46) Dibromomethane	6.12	93	83271	51.305	ug/l	100
47) Bromodichloromethane	6.42	83	183265	50.977	ug/l	100
48) Methyl methacrylate	6.75	41	64400	51.476	ug/l	100
49) 1,4-Dioxane	6.74	88	12614	1149.050	ug/l	100
51) 4-Methyl-2-Pentanone	8.29	43	372177	253.066	ug/l	100
52) Toluene	7.66	92	327408	50.790	ug/l	100
53) t-1,3-Dichloropropene	8.31	75	142450	50.475	ug/l	100
54) cis-1,3-Dichloropropene	7.33	75	207364	51.352	ug/l	100
55) 1,1,2-Trichloroethane	8.53	97	96847	52.891	ug/l	100
56) Ethyl methacrylate	8.66	69	115939	53.092	ug/l	100
57) 1,3-Dichloropropane	8.88	76	162507	53.474	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.32	63	90689	273.682	ug/l	100
59) 2-Hexanone	9.52	43	300254	278.563	ug/l	100
60) Dibromochloromethane	8.74	129	135151	53.094	ug/l	100
61) 1,2-Dibromoethane	9.02	107	106436	54.484	ug/l	100
64) Tetrachloroethene	8.18	164	146692	50.179	ug/l	100
65) Chlorobenzene	9.83	112	359472	50.773	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.97	131	145011	50.990	ug/l	100
67) Ethyl Benzene	9.93	91	617287	50.134	ug/l	100
68) m/p-Xylenes	10.16	106	457967	99.515	ug/l	100
69) o-Xylene	10.74	106	258348	53.600	ug/l	100
70) Styrene	10.81	104	351891	48.185	ug/l	100
71) Bromoform	10.79	173	72919	50.129	ug/l	100
73) Isopropylbenzene	11.15	105	691877	51.589	ug/l	100
74) N-amyl acetate	11.40	43	169267	52.968	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.72	83	121450	52.741	ug/l	100
76) 1,2,3-Trichloropropane	11.82	75	80393	49.607	ug/l	100
77) Bromobenzene	11.52	156	162539	49.606	ug/l	100
78) n-propylbenzene	11.61	91	787008	50.536	ug/l	100
79) 2-Chlorotoluene	11.74	91	447740	51.727	ug/l	100
80) 1,3,5-Trimethylbenzene	11.85	105	573827	52.017	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.89	75	35888m	41.060	ug/l	
82) 4-Chlorotoluene	11.92	91	442829	49.896	ug/l	100
83) tert-Butylbenzene	12.16	119	603974	52.302	ug/l	100
84) 1,2,4-Trimethylbenzene	12.22	105	551608	51.007	ug/l	100
85) sec-Butylbenzene	12.32	105	768189	51.422	ug/l	100
86) p-Isopropyltoluene	12.48	119	640960	49.523	ug/l	100
87) 1,3-Dichlorobenzene	12.50	146	299533	49.204	ug/l	100
88) 1,4-Dichlorobenzene	12.59	146	307731	51.805	ug/l	100
89) n-Butylbenzene	12.87	91	636453	51.542	ug/l	100
90) Hexachloroethane	12.93	117	163332	52.998	ug/l	100
91) 1,2-Dichlorobenzene	12.96	146	291328	50.966	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.66	75	18823	53.948	ug/l	100

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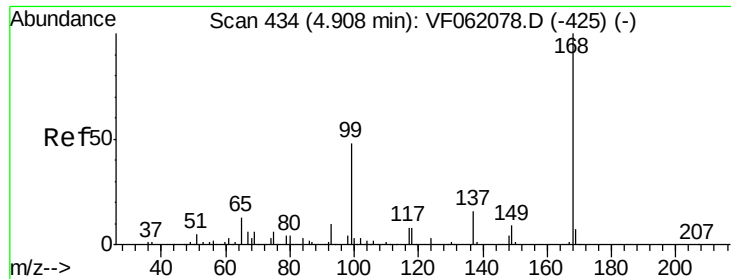
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Sat Mar 23 00:41:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	195891	49.171	ug/l	100
94) Hexachlorobutadiene	14.21	225	136342	51.471	ug/l	100
95) Naphthalene	14.47	128	378797	54.258	ug/l	100
96) 1,2,3-Trichlorobenzene	14.62	180	192723	51.681	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.91 min Scan# 434

Delta R.T. 0.00 min

Lab File: VF062078.D

Acq: 22 Mar 2019 12:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 295115

Ion Ratio Lower Upper

168 100

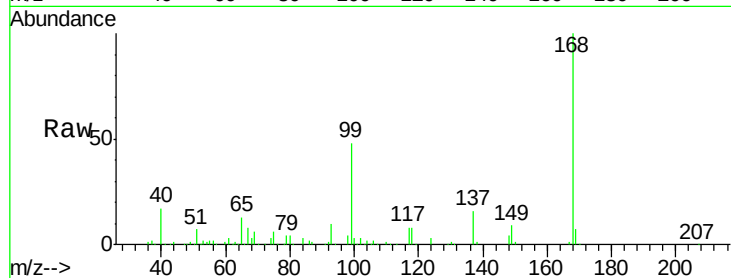
99 47.8 38.2 57.4

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.91

100000

80000

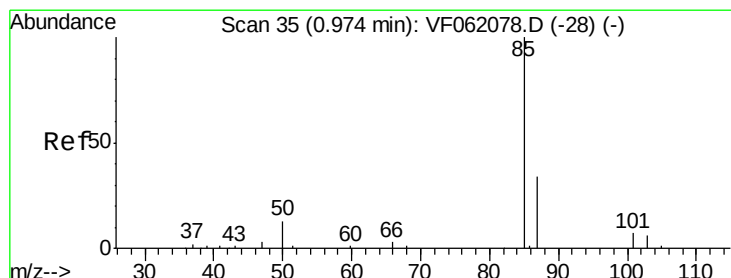
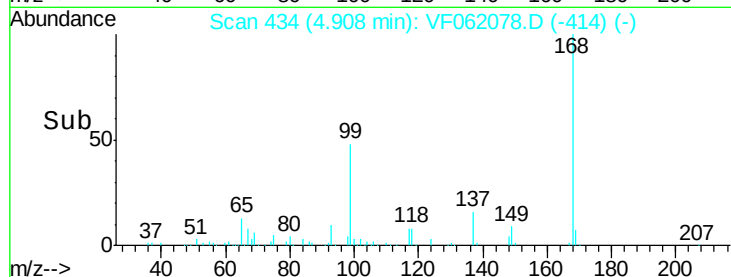
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 49.095 ug/l

RT: 0.97 min Scan# 35

Delta R.T. 0.00 min

Lab File: VF062078.D

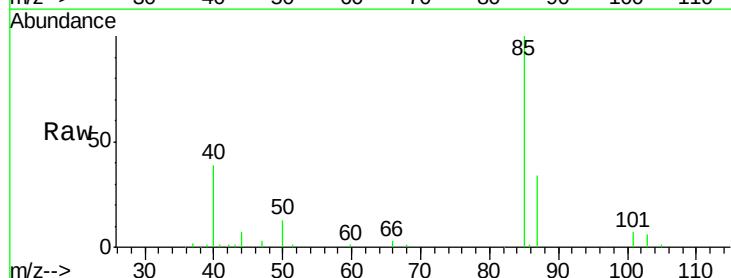
Acq: 22 Mar 2019 12:25

Tgt Ion: 85 Resp: 185610

Ion Ratio Lower Upper

85 100

87 34.0 17.0 51.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

50000

40000

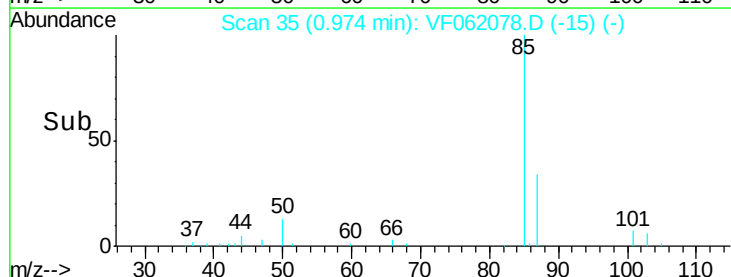
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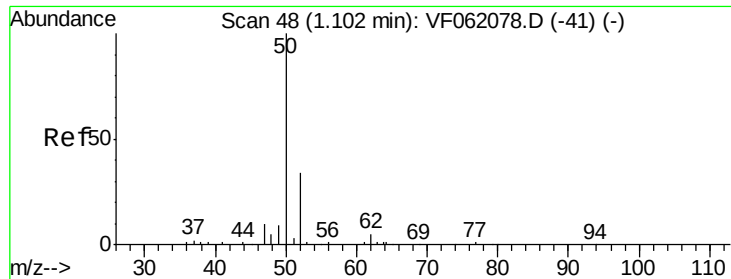
20000

10000

0

Time--> 0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 49.633 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062078.D

Acq: 22 Mar 2019 12:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 196343

Ion Ratio Lower Upper

50 100

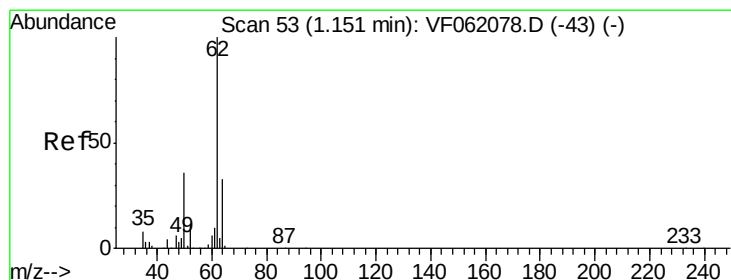
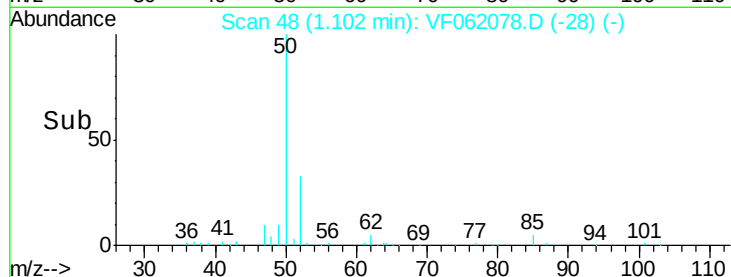
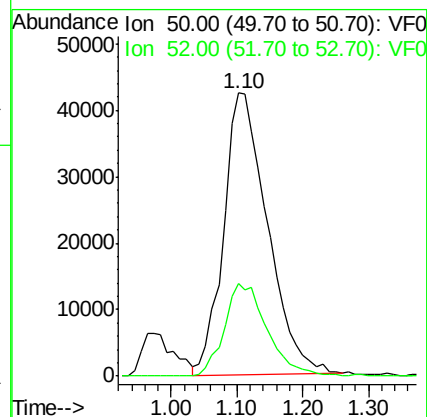
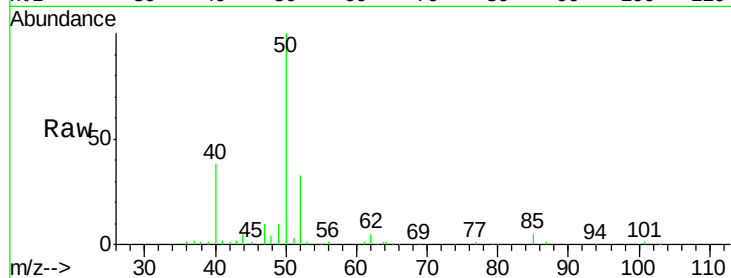
52 32.6 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.484 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.00 min

Lab File: VF062078.D

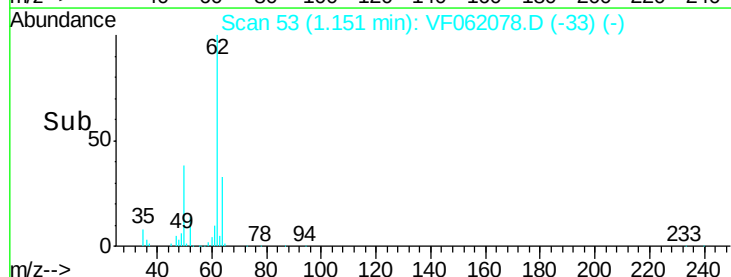
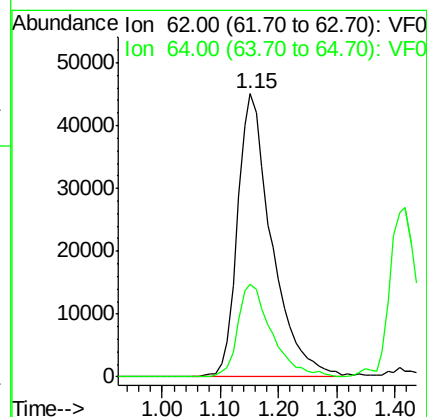
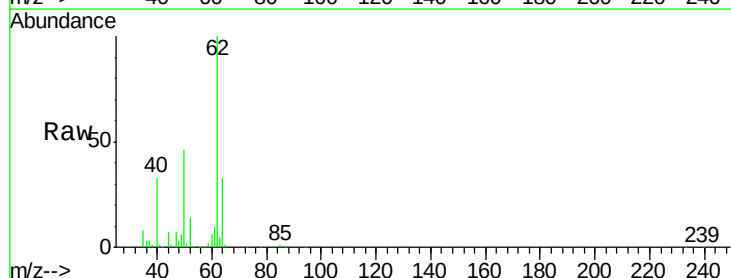
Acq: 22 Mar 2019 12:25

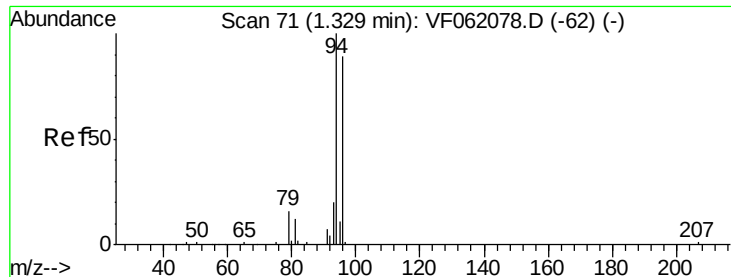
Tgt Ion: 62 Resp: 184729

Ion Ratio Lower Upper

62 100

64 32.7 26.2 39.2





#5

Bromomethane

Concen: 48.946 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.00 min

Lab File: VF062078.D

Acq: 22 Mar 2019 12:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 128743

Ion Ratio Lower Upper

94 100

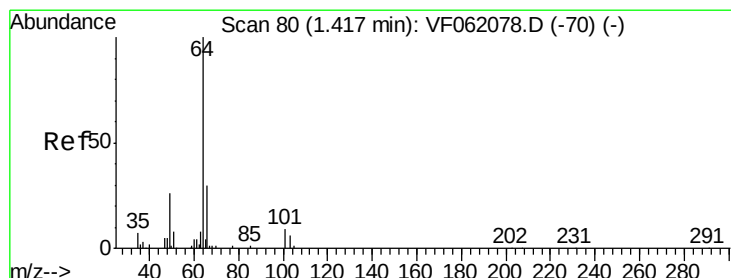
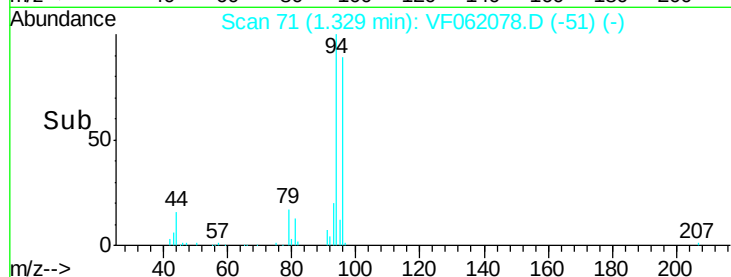
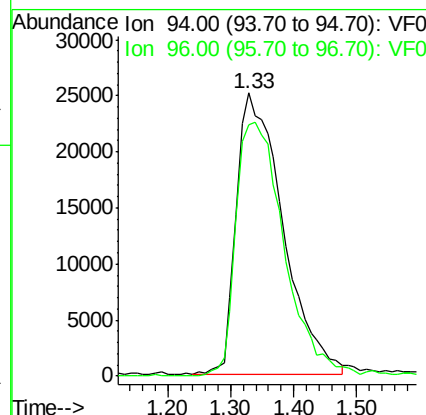
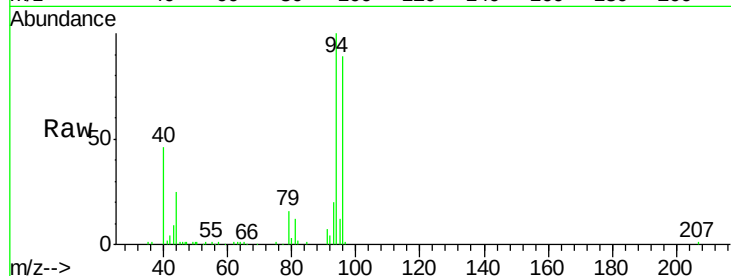
96 88.6 70.9 106.3

Manual Integrations

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#6

Chloroethane

Concen: 50.255 ug/l

RT: 1.42 min Scan# 80

Delta R.T. 0.00 min

Lab File: VF062078.D

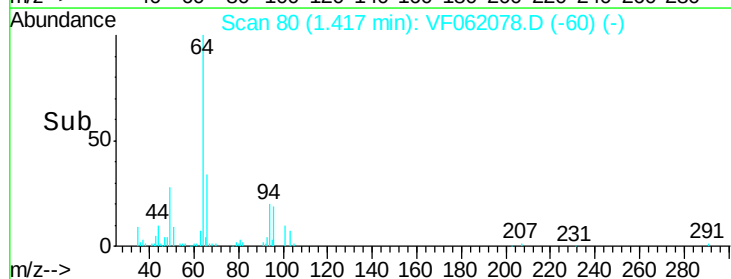
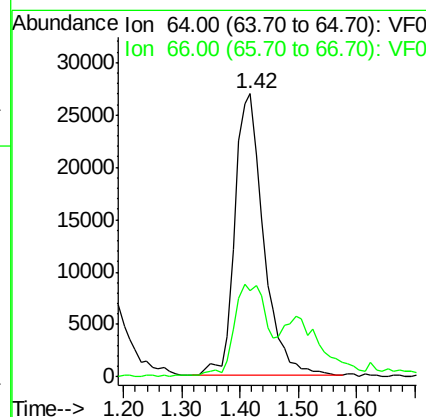
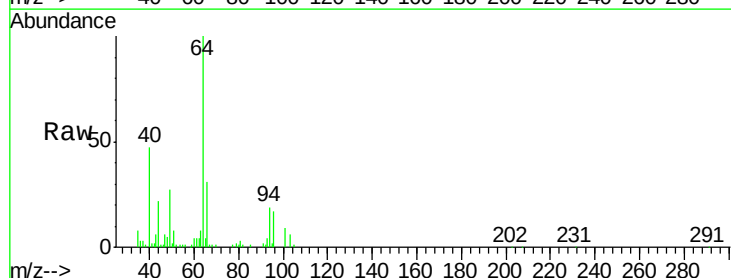
Acq: 22 Mar 2019 12:25

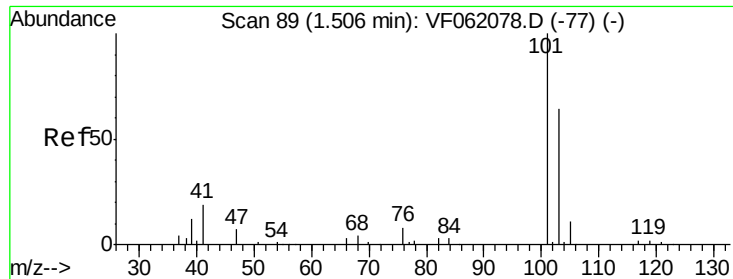
Tgt Ion: 64 Resp: 92571

Ion Ratio Lower Upper

64 100

66 30.6 24.5 36.7





#7

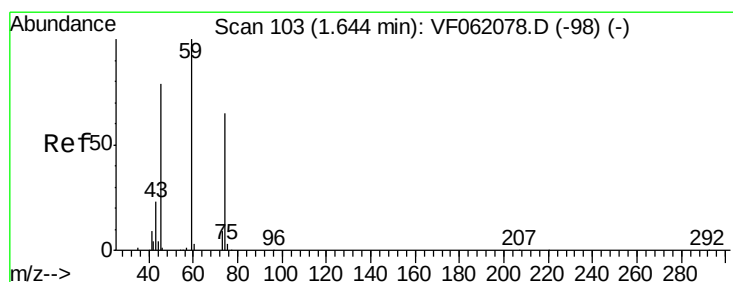
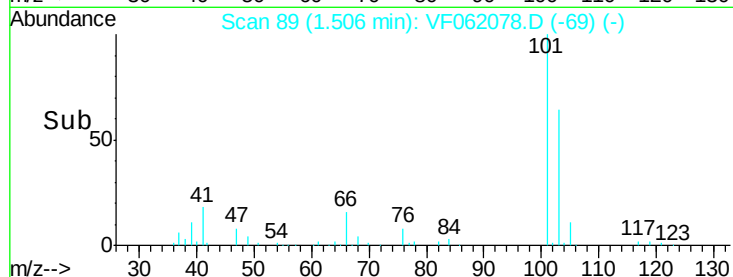
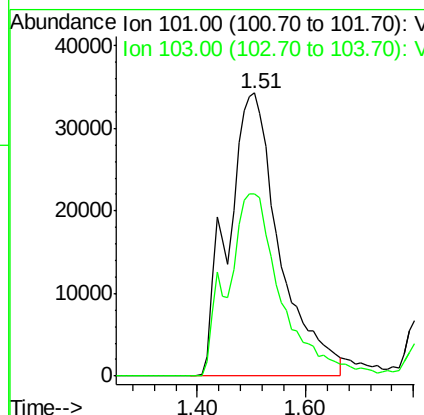
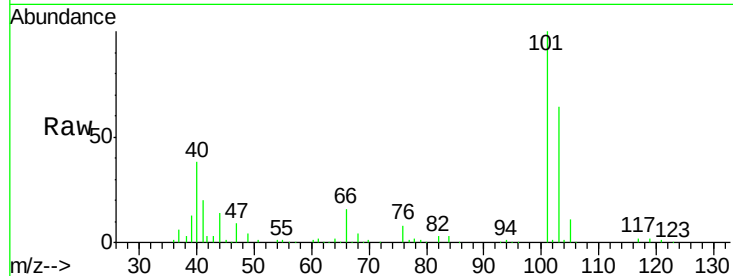
Trichlorofluoromethane
Concen: 53.756 ug/l
RT: 1.51 min Scan# 89
Delta R.T. 0.00 min
Lab File: VF062078.D
Acq: 22 Mar 2019 12:25

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ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	228160		
103	64.4	51.5	77.3	

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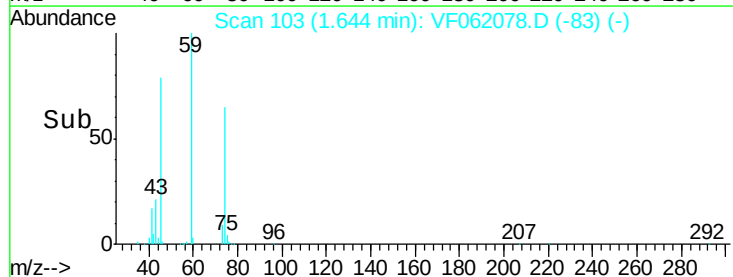
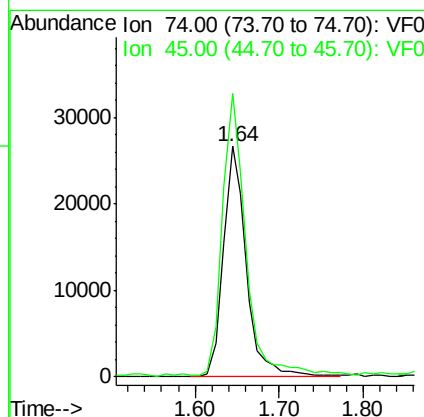
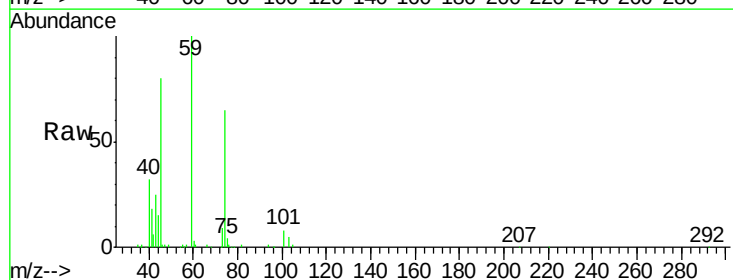
MMDadoda
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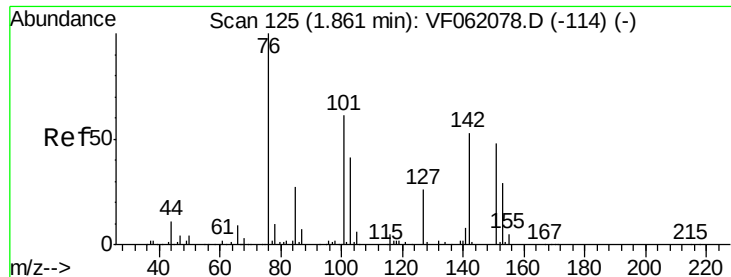


#8

Diethyl Ether
Concen: 50.285 ug/l
RT: 1.64 min Scan# 103
Delta R.T. 0.00 min
Lab File: VF062078.D
Acq: 22 Mar 2019 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	50762		
45	122.8	61.4	184.2	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.857 ug/l

RT: 1.86 min Scan# 125

Delta R.T. 0.00 min

Lab File: VF062078.D

Acq: 22 Mar 2019 12:25

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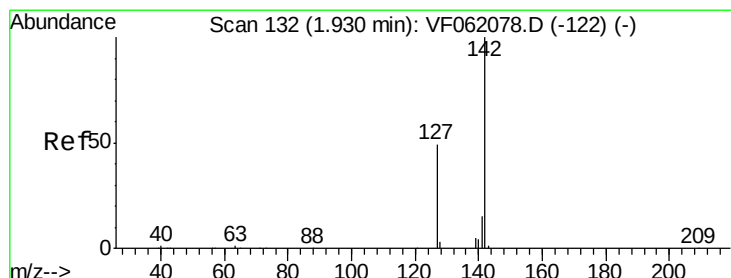
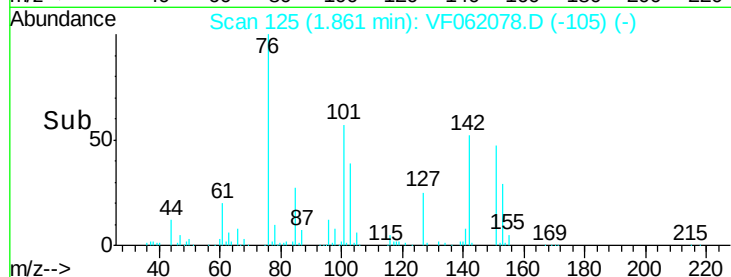
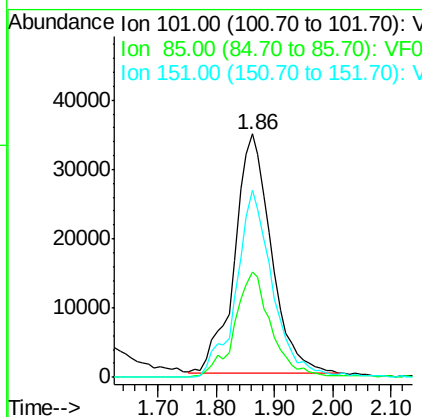
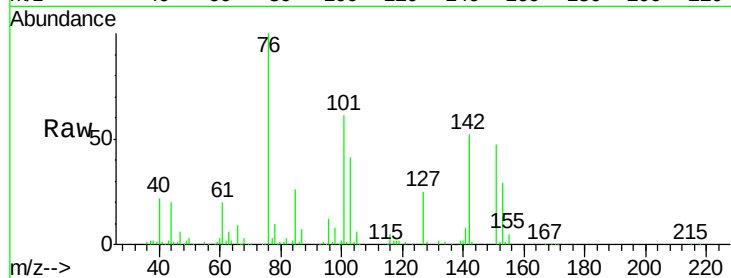
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	153328
Ion Ratio	Lower	Upper	
101	100		
85	43.3	34.6	52.0
151	77.1	61.7	92.5

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#10

Methyl Iodide

Concen: 50.999 ug/l m

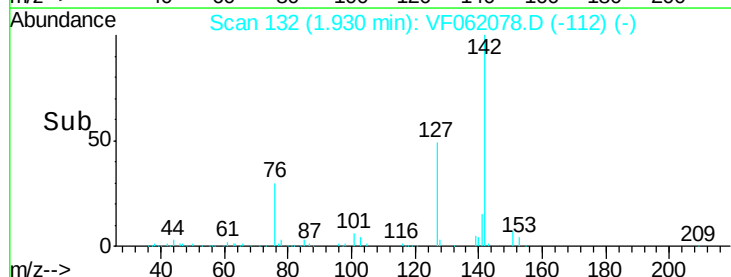
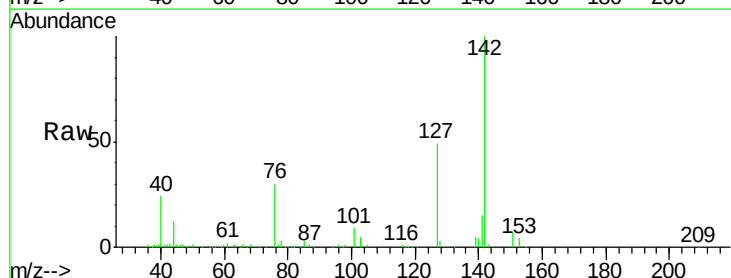
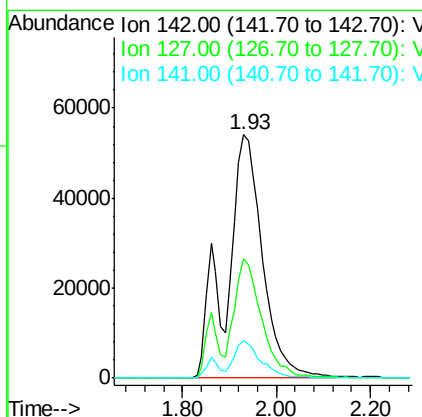
RT: 1.93 min Scan# 132

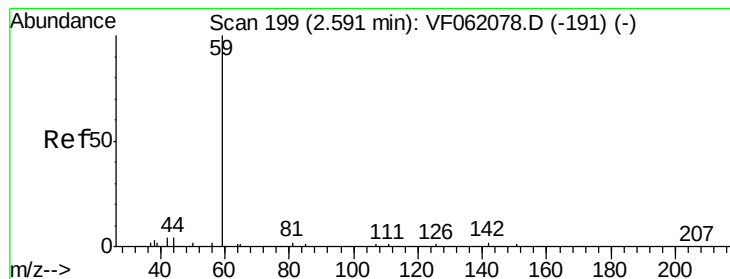
Delta R.T. 0.00 min

Lab File: VF062078.D

Acq: 22 Mar 2019 12:25

Tgt Ion:	142	Resp:	286688
Ion Ratio	Lower	Upper	
142	100		
127	48.9	39.1	58.7
141	15.3	12.2	18.4





#11

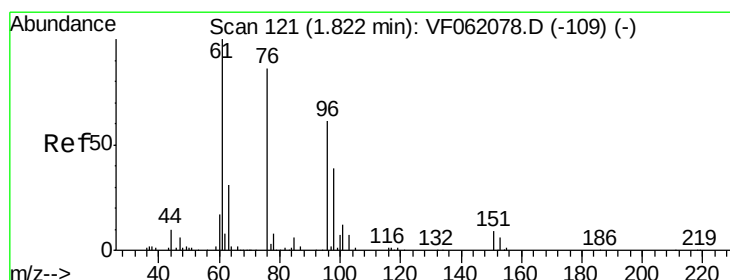
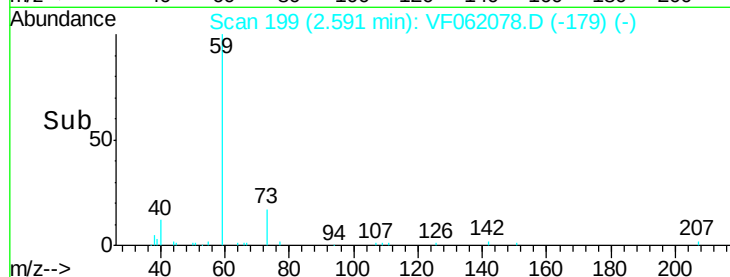
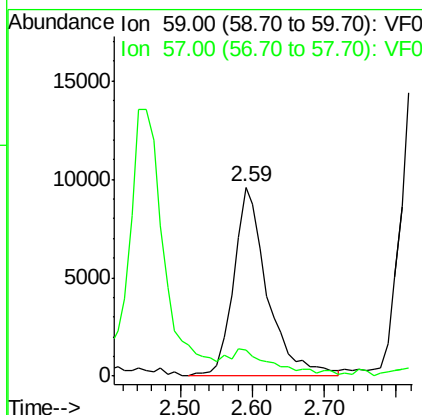
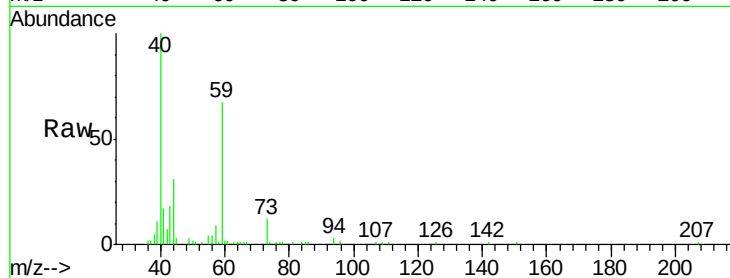
Tert butyl alcohol
Concen: 259.435 ug/l
RT: 2.59 min Scan# 199
Delta R.T. 0.00 min
Lab File: VF062078.D
Acq: 22 Mar 2019 12:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	59	Resp	31334
Ion Ratio	100	Lower	Upper
57	13.7	11.0	16.4

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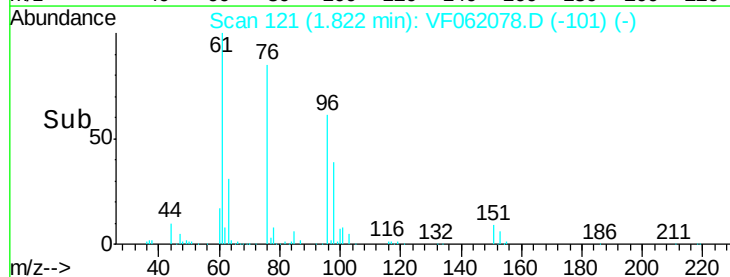
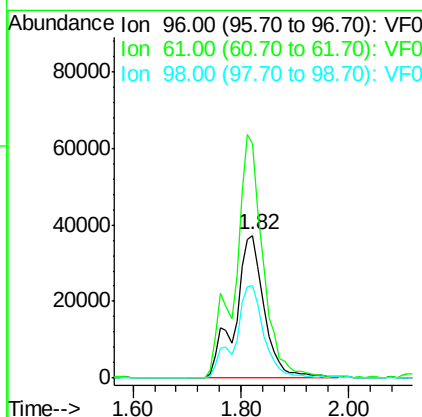
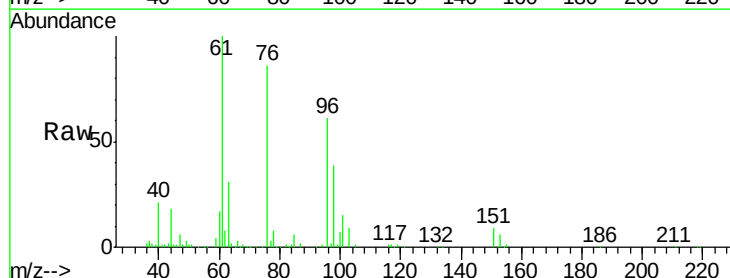
MMDadoda
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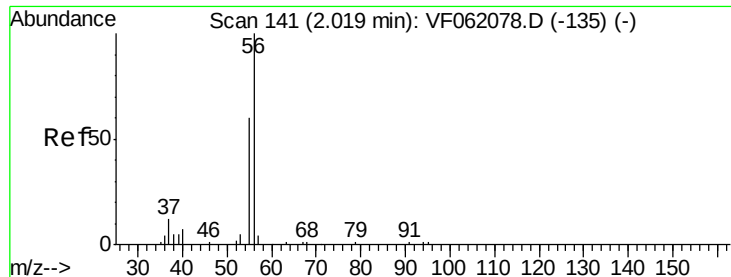


#12

1,1-Dichloroethene
Concen: 49.858 ug/l
RT: 1.82 min Scan# 121
Delta R.T. 0.00 min
Lab File: VF062078.D
Acq: 22 Mar 2019 12:25

Tgt Ion	96	Resp	141832
Ion Ratio	100	Lower	Upper
61	163.8	131.0	196.6
98	64.4	51.5	77.3





#13

Acrolein

Concen: 263.623 ug/l

RT: 2.02 min Scan# 141

Delta R.T. 0.00 min

Lab File: VF062078.D

Acq: 22 Mar 2019 12:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 38375

Ion Ratio Lower Upper

56 100

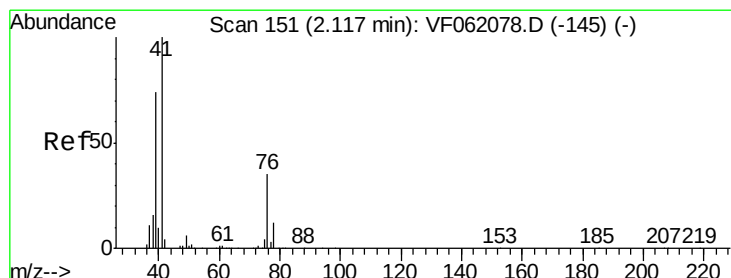
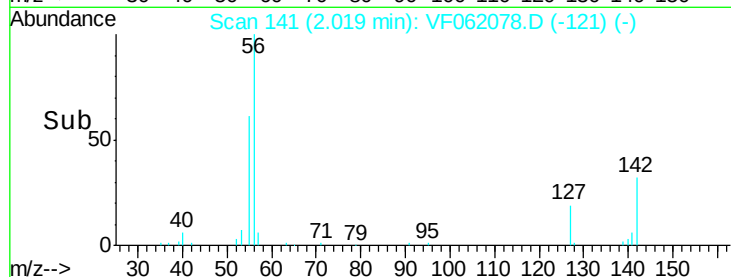
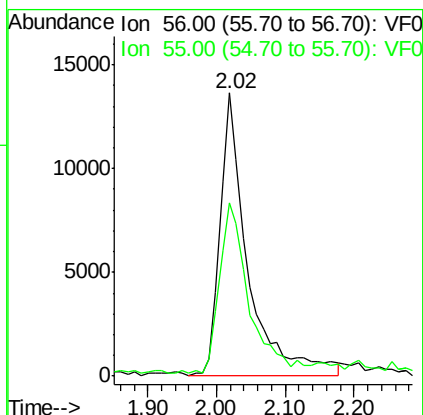
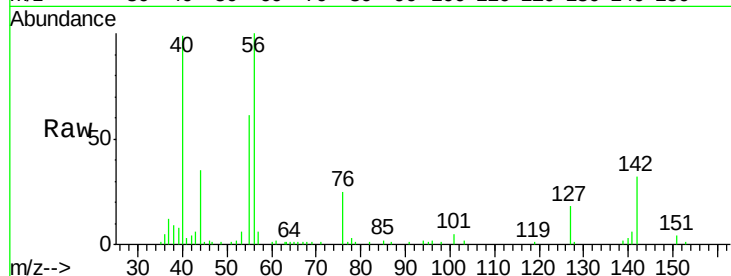
55 61.2 49.0 73.4

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#14

Allyl chloride

Concen: 50.586 ug/l

RT: 2.12 min Scan# 151

Delta R.T. 0.00 min

Lab File: VF062078.D

Acq: 22 Mar 2019 12:25

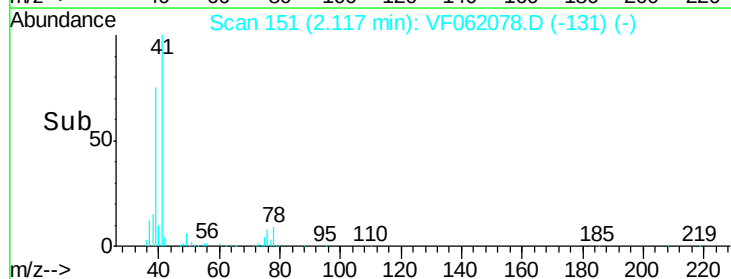
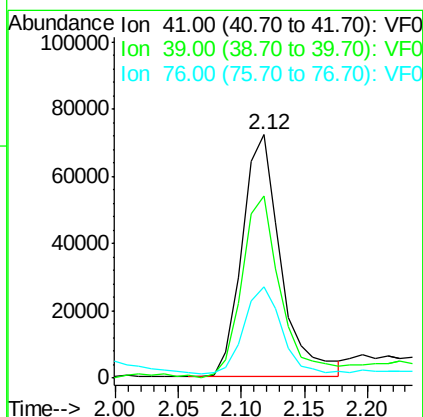
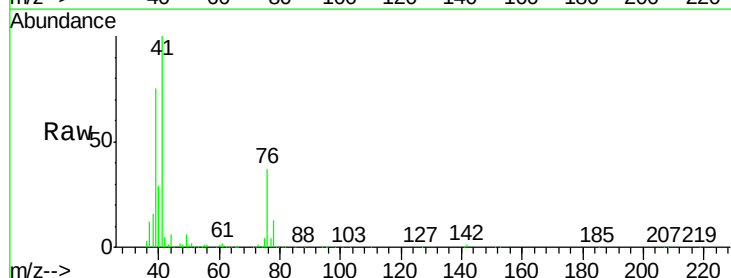
Tgt Ion: 41 Resp: 153637

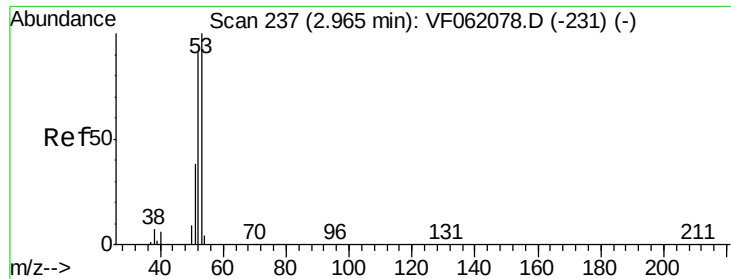
Ion Ratio Lower Upper

41 100

39 74.8 59.8 89.8

76 37.5 30.0 45.0





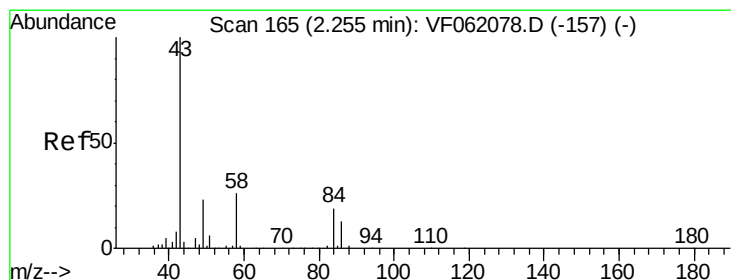
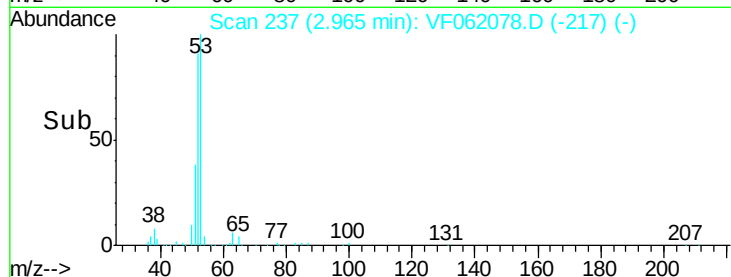
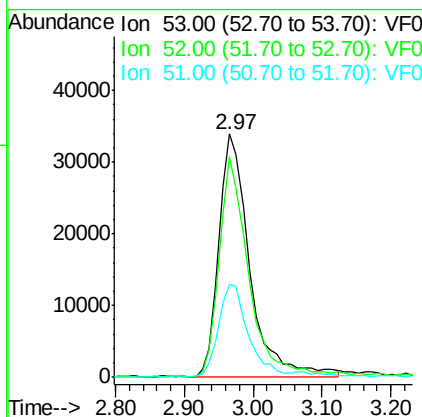
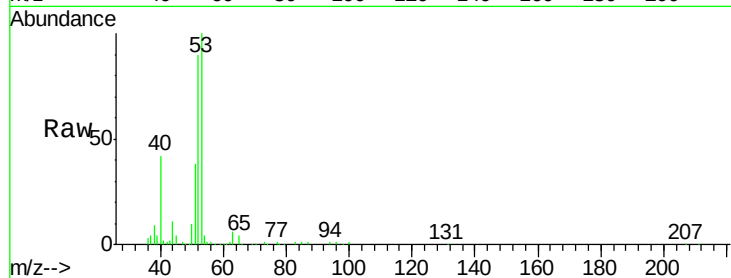
#15
 Acrylonitrile
 Concen: 246.419 ug/l
 RT: 2.97 min Scan# 237
 Delta R.T. 0.00 min
 Lab File: VF062078.D
 Acq: 22 Mar 2019 12:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	90.4	72.3	108.5
51	38.0	30.4	45.6

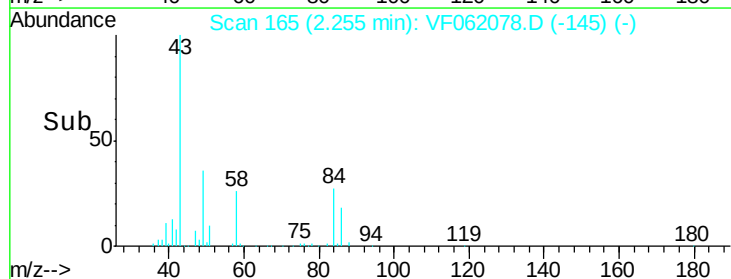
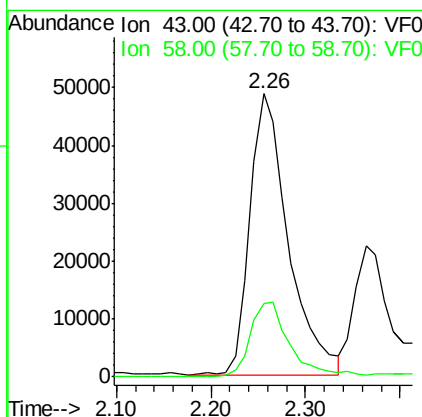
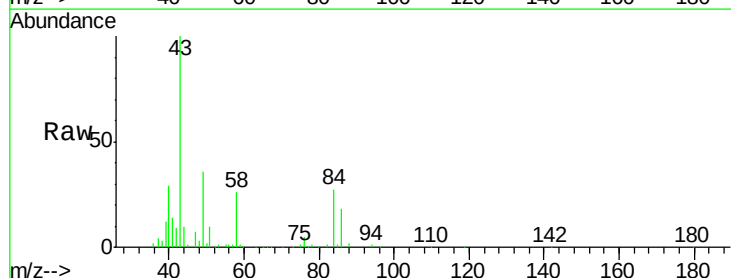
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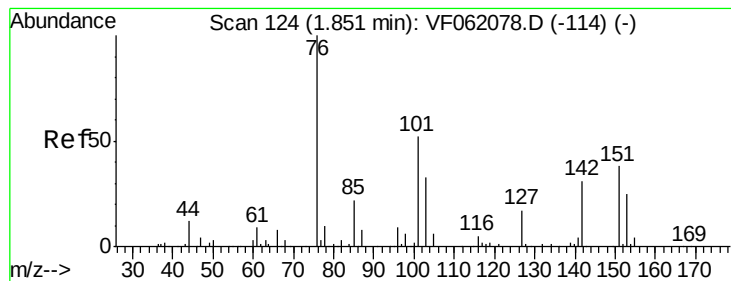
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#16
 Acetone
 Concen: 297.198 ug/l
 RT: 2.26 min Scan# 165
 Delta R.T. 0.00 min
 Lab File: VF062078.D
 Acq: 22 Mar 2019 12:25

Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.0	20.8	31.2





#17

Carbon Disulfide

Concen: 52.509 ug/l m

RT: 1.85 min Scan# 124

Delta R.T. 0.00 min

Lab File: VF062078.D

Acq: 22 Mar 2019 12:25

Tot Ion: 76 Resp: 446483

Ion Ratio Lower Upper

76 100

78 9.9 7.9 11.9

Instrument :

MSVOA_F

ClientSampleId :

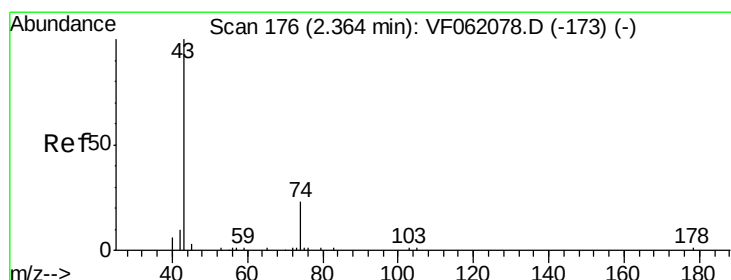
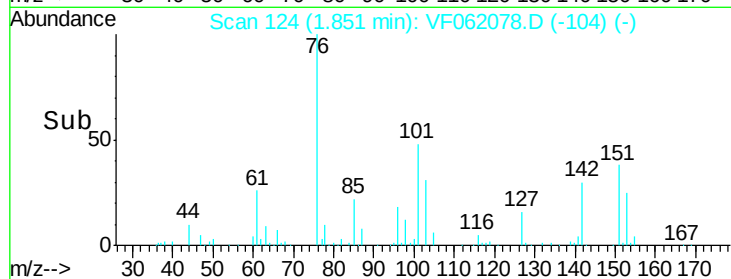
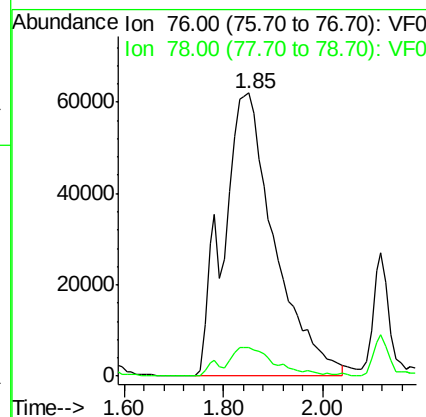
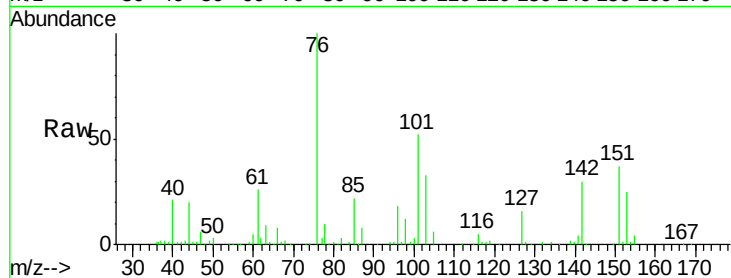
VSTDICCC050

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#18

Methyl Acetate

Concen: 45.668 ug/l

RT: 2.36 min Scan# 176

Delta R.T. 0.00 min

Lab File: VF062078.D

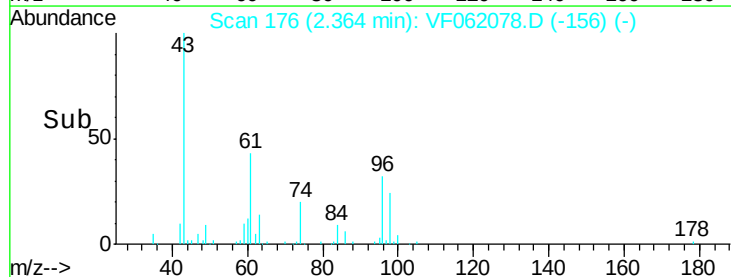
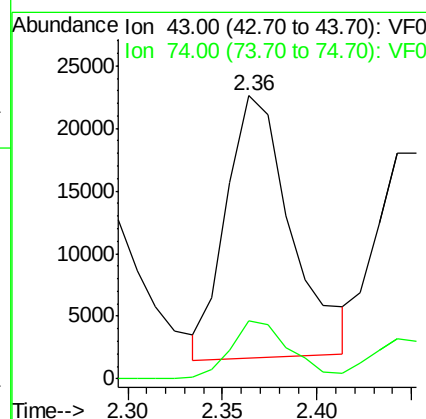
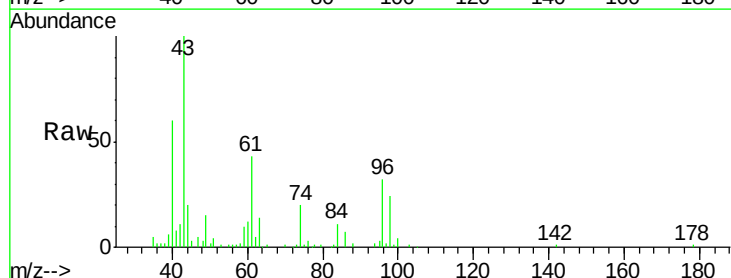
Acq: 22 Mar 2019 12:25

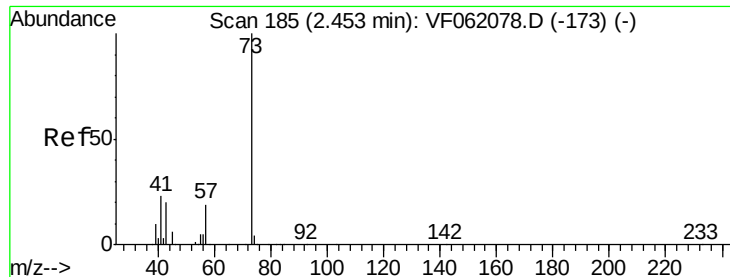
Tgt Ion: 43 Resp: 49979

Ion Ratio Lower Upper

43 100

74 20.4 16.3 24.5





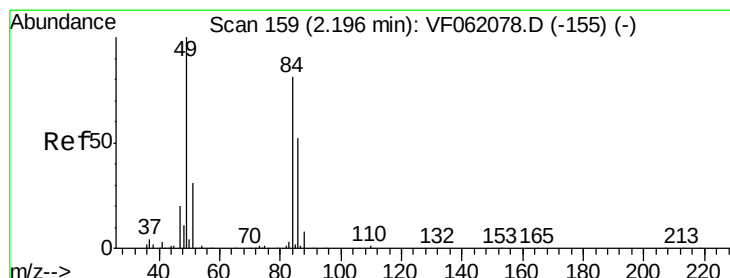
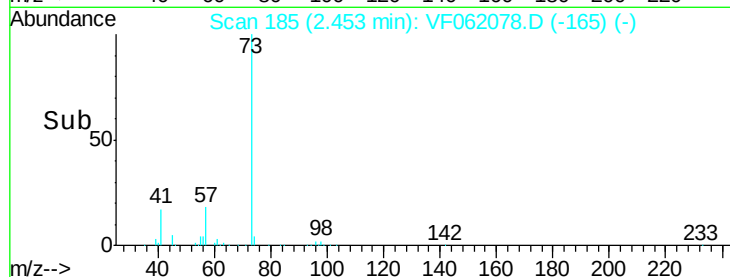
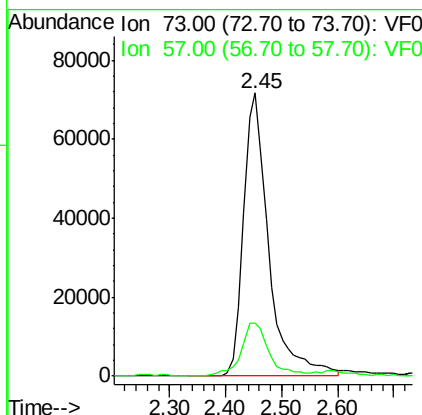
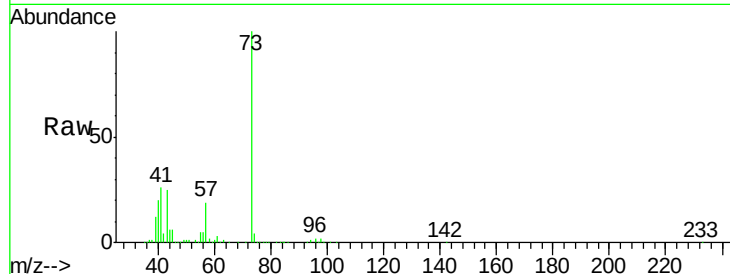
#19
Methyl tert-butyl Ether
Concen: 49.890 ug/l
RT: 2.45 min Scan# 185
Delta R.T. 0.00 min
Lab File: VF062078.D
Acq: 22 Mar 2019 12:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.9	15.1	22.7

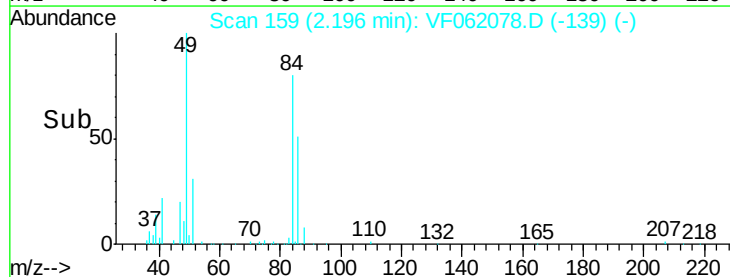
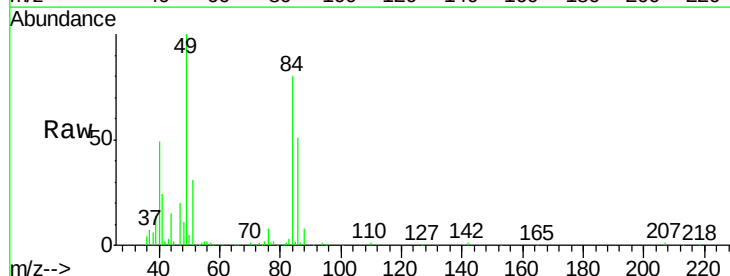
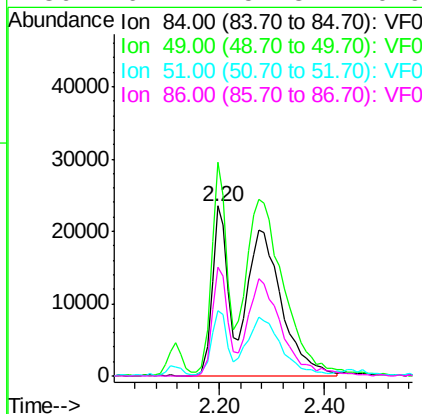
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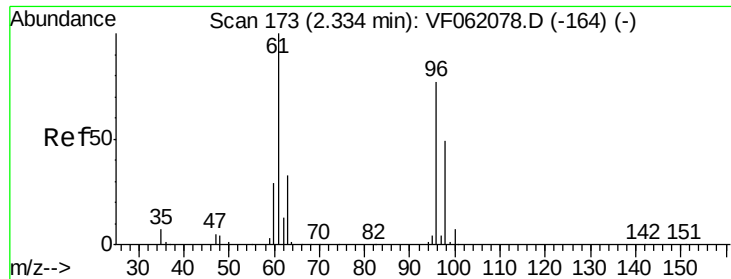
MMDadoda
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#20
Methylene Chloride
Concen: 45.087 ug/l m
RT: 2.20 min Scan# 159
Delta R.T. 0.00 min
Lab File: VF062078.D
Acq: 22 Mar 2019 12:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.5	100.4	150.6
51	38.8	31.0	46.6
86	64.1	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 52.984 ug/l

RT: 2.33 min Scan# 173

Delta R.T. 0.00 min

Lab File: VF062078.D

Acq: 22 Mar 2019 12:25

Instrument :

MSVOA_F

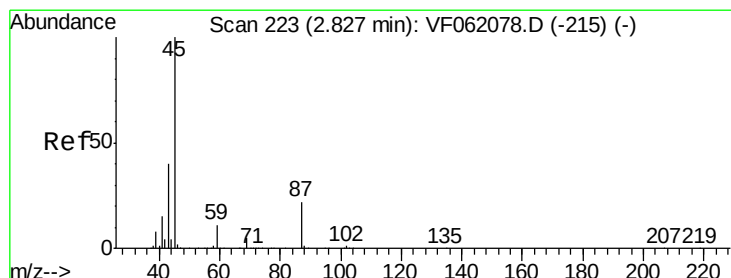
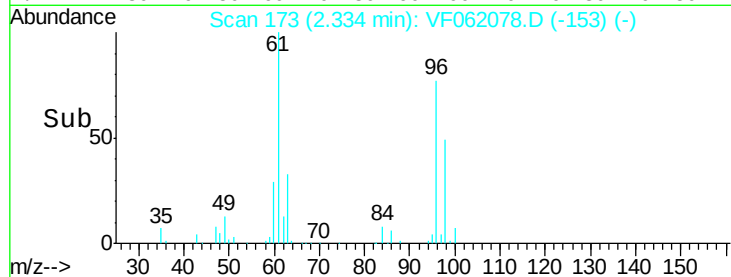
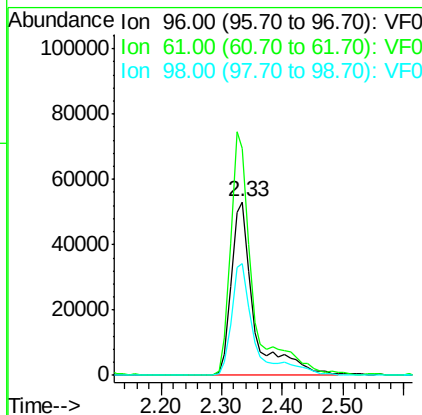
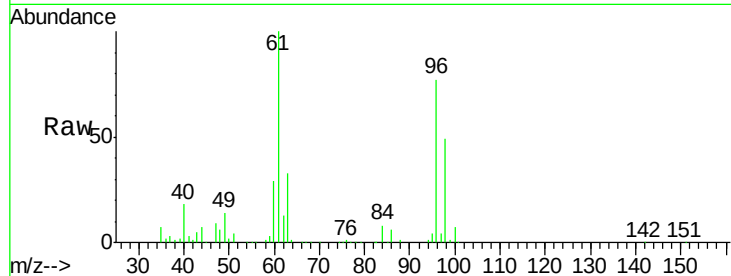
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	140077
Ion	Ratio	Lower	Upper
96	100		
61	130.6	104.5	156.7
98	64.0	51.2	76.8

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#22

Diisopropyl ether

Concen: 48.555 ug/l

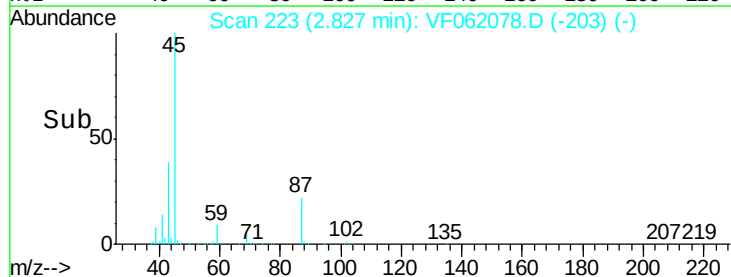
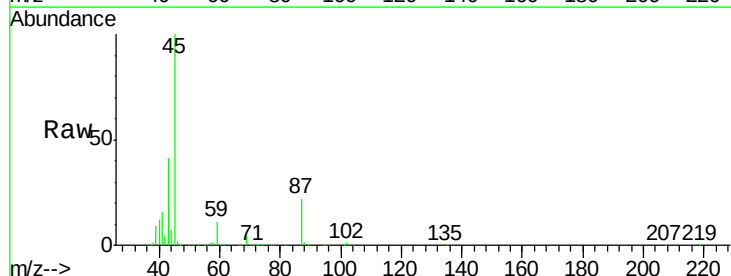
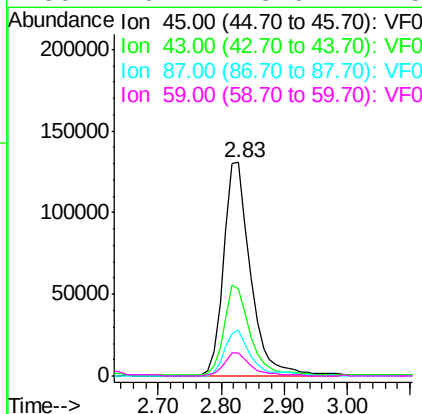
RT: 2.83 min Scan# 223

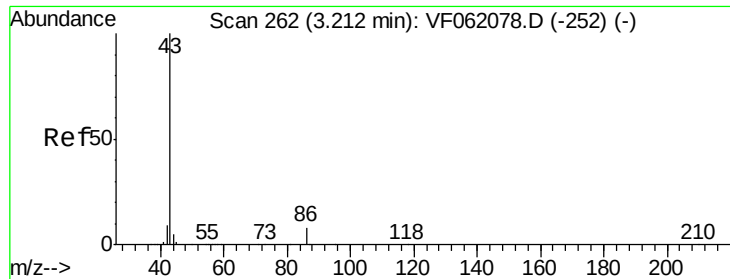
Delta R.T. 0.00 min

Lab File: VF062078.D

Acq: 22 Mar 2019 12:25

Tgt Ion:	45	Resp:	386640
Ion	Ratio	Lower	Upper
45	100		
43	40.6	32.5	48.7
87	21.8	17.4	26.2
59	10.7	8.6	12.8





#23

Vinyl Acetate

Concen: 252.487 ug/l

RT: 3.21 min Scan# 262

Delta R.T. 0.00 min

Lab File: VF062078.D

Acq: 22 Mar 2019 12:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 823167

Ion Ratio Lower Upper

43 100

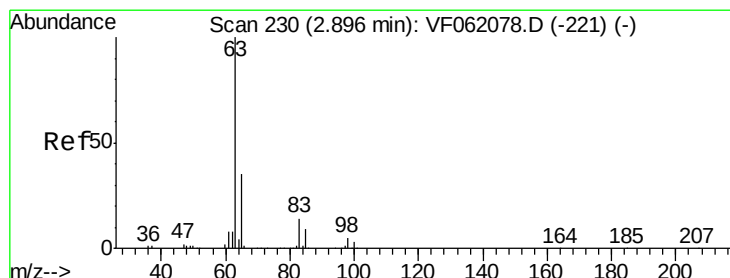
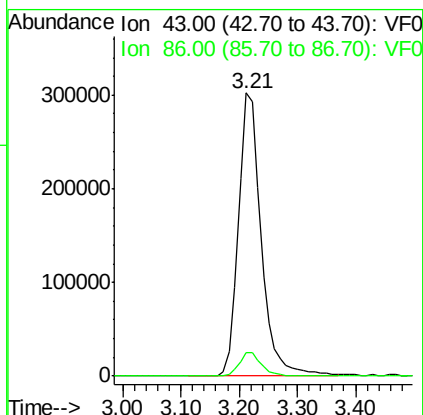
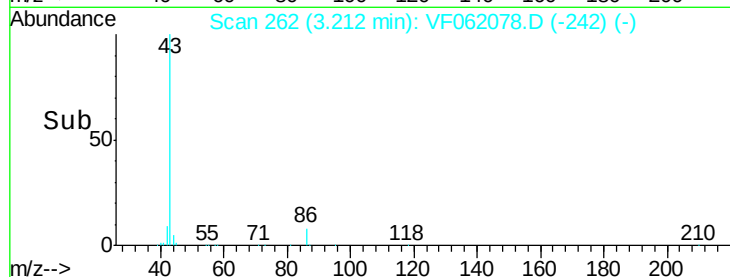
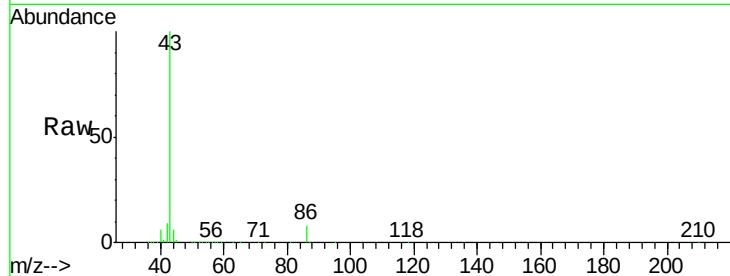
86 8.5 6.8 10.2

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#24

1,1-Dichloroethane

Concen: 48.553 ug/l

RT: 2.90 min Scan# 230

Delta R.T. 0.00 min

Lab File: VF062078.D

Acq: 22 Mar 2019 12:25

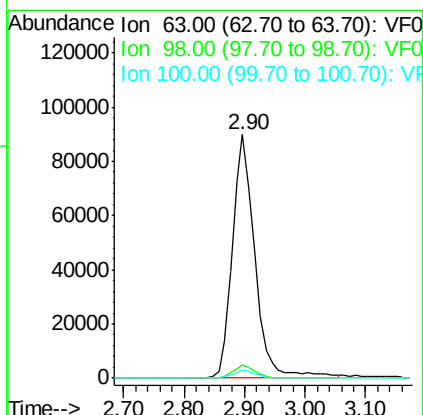
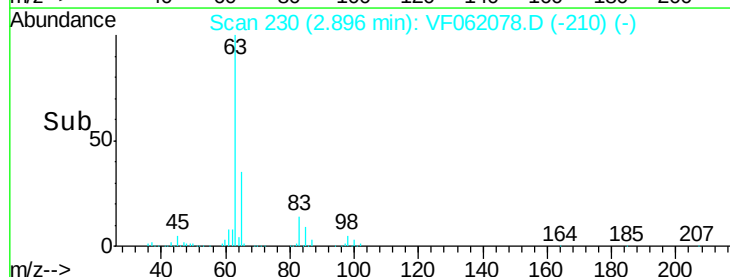
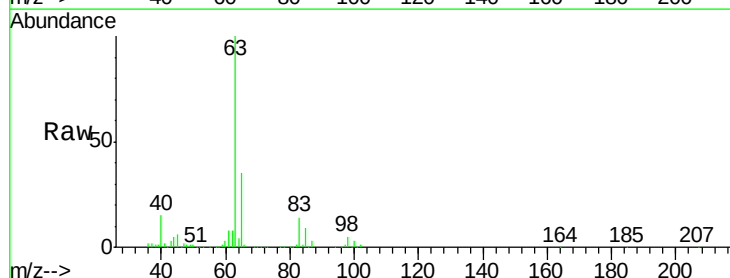
Tgt Ion: 63 Resp: 231850

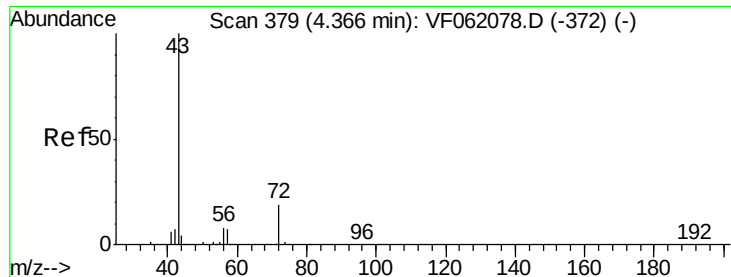
Ion Ratio Lower Upper

63 100

98 5.4 2.7 8.1

100 3.4 1.7 5.1





#25

2-Butanone

Concen: 265.394 ug/l

RT: 4.37 min Scan# 379

Delta R.T. 0.00 min

Lab File: VF062078.D

Acq: 22 Mar 2019 12:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 255964

Ion Ratio Lower Upper

43 100

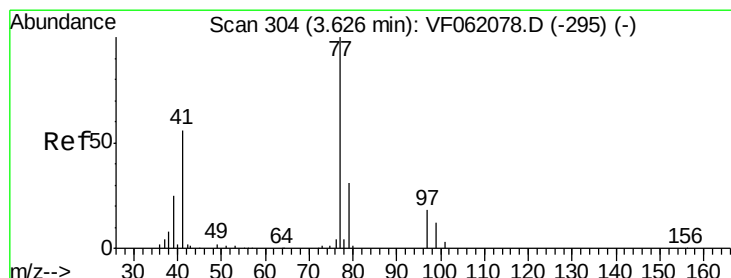
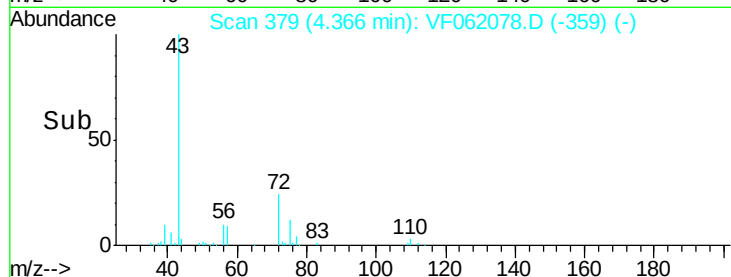
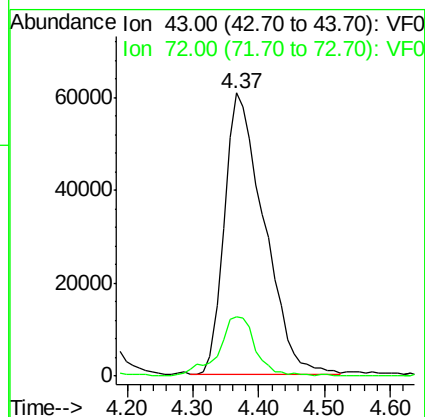
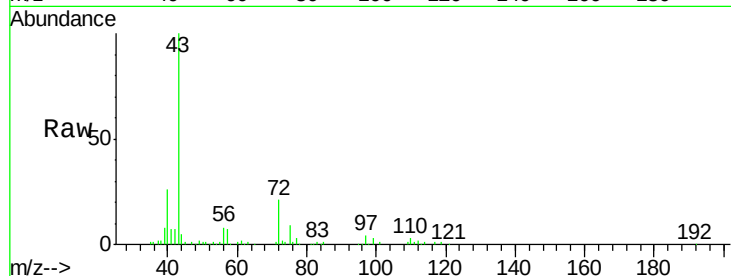
72 20.9 16.7 25.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 51.492 ug/l

RT: 3.63 min Scan# 304

Delta R.T. 0.00 min

Lab File: VF062078.D

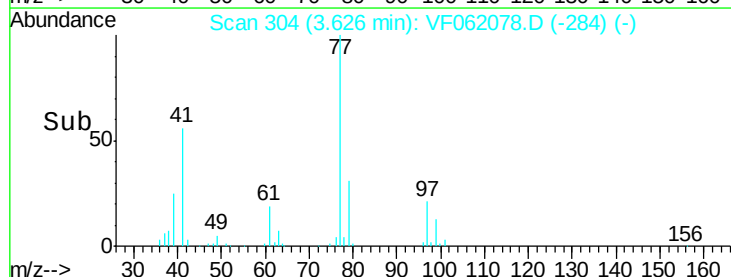
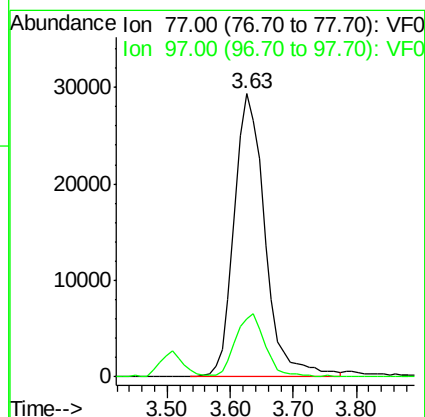
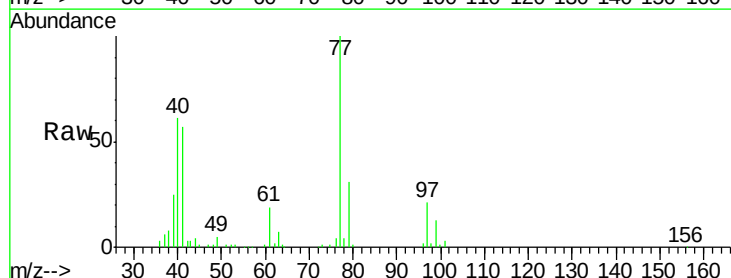
Acq: 22 Mar 2019 12:25

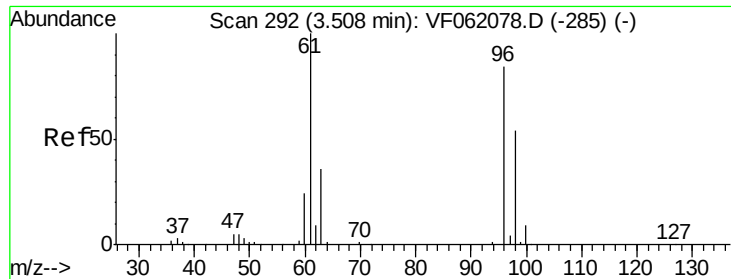
Tgt Ion: 77 Resp: 99694

Ion Ratio Lower Upper

77 100

97 20.6 10.3 30.9





#27

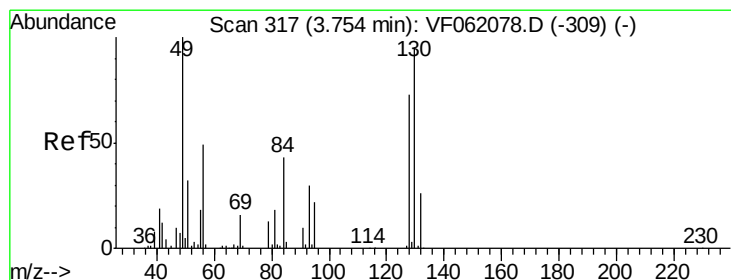
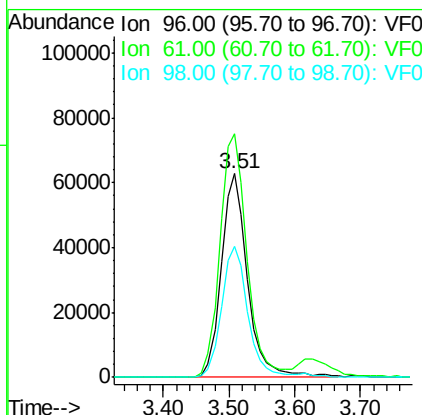
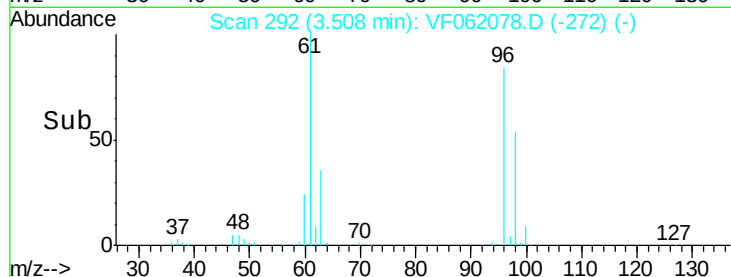
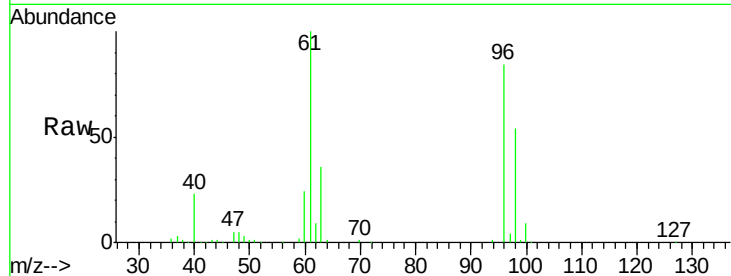
cis-1,2-Dichloroethene
Concen: 48.222 ug/l
RT: 3.51 min Scan# 292
Delta R.T. 0.00 min
Lab File: VF062078.D
Acq: 22 Mar 2019 12:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	119.5	0.0	239.0
98	64.1	0.0	128.2

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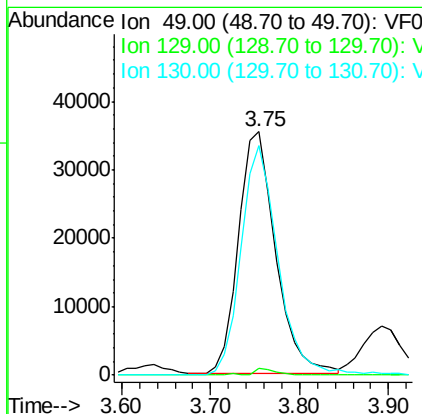
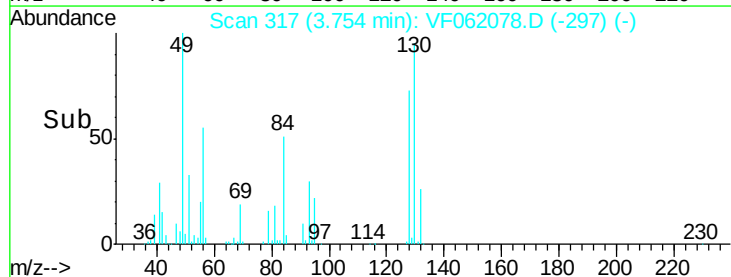
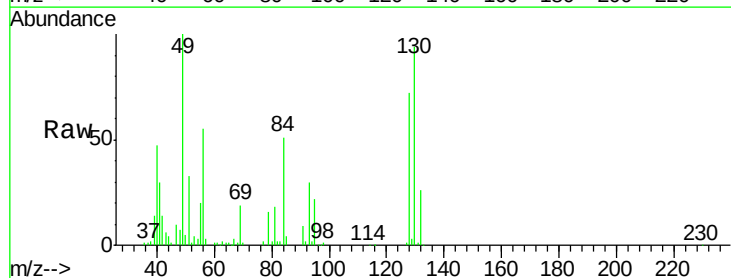
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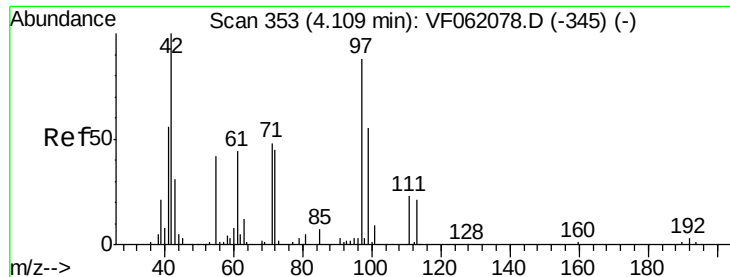


#28

Bromochloromethane
Concen: 52.811 ug/l
RT: 3.75 min Scan# 317
Delta R.T. 0.00 min
Lab File: VF062078.D
Acq: 22 Mar 2019 12:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.6
130	94.4	75.5	113.3





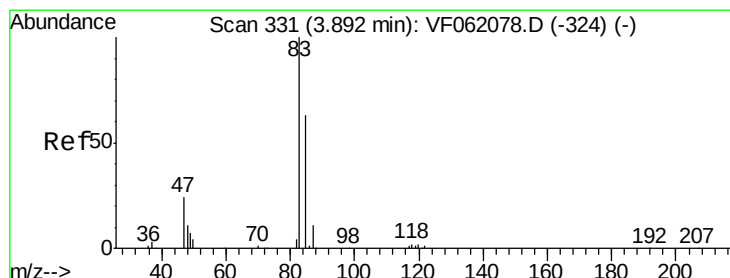
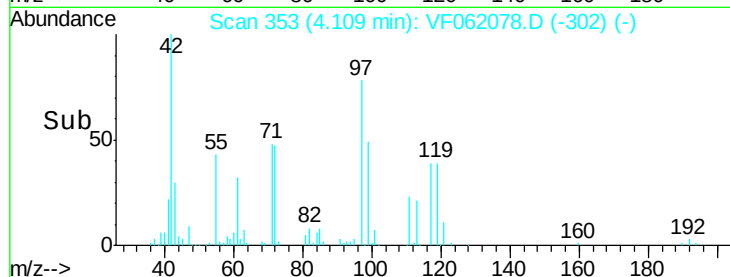
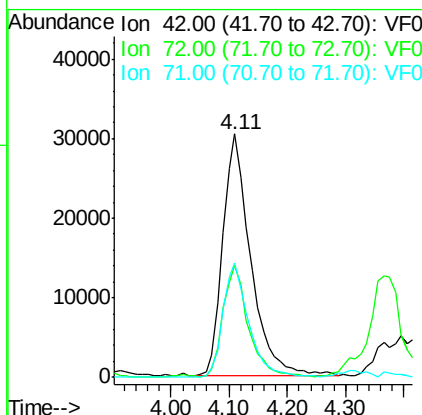
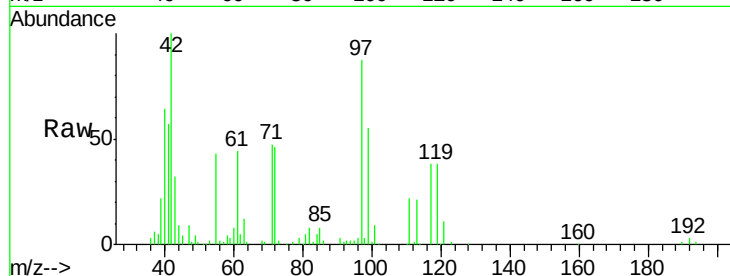
#29
Tetrahydrofuran
Concen: 241.606 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.00 min
Lab File: VF062078.D
Acq: 22 Mar 2019 12:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	41.6		33.3	49.9
71	43.7		35.0	52.4

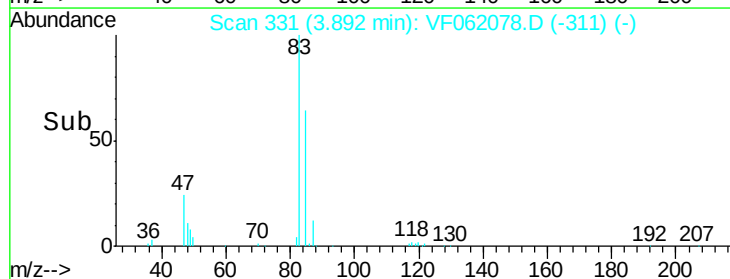
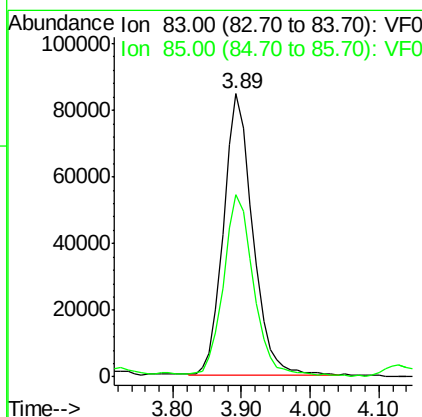
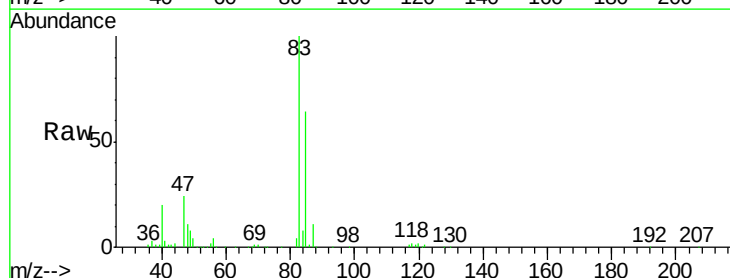
Manual Integrations
APPROVED

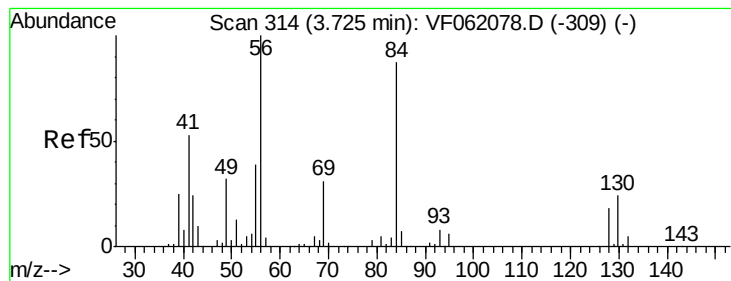
MMDadoda
3/27/2019 11:57:11 AM



#30
Chloroform
Concen: 48.825 ug/l
RT: 3.89 min Scan# 331
Delta R.T. 0.00 min
Lab File: VF062078.D
Acq: 22 Mar 2019 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.4		51.5	77.3





#31

Cyclohexane

Concen: 53.001 ug/l m

RT: 3.72 min Scan# 314

Delta R.T. 0.00 min

Lab File: VF062078.D

Acq: 22 Mar 2019 12:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 248374

Ion Ratio Lower Upper

56 100

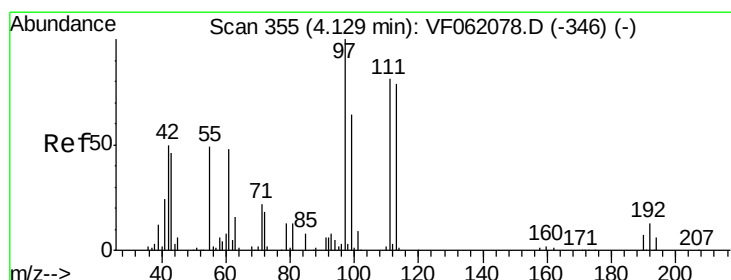
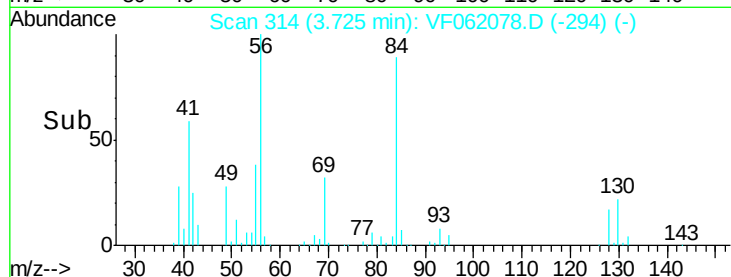
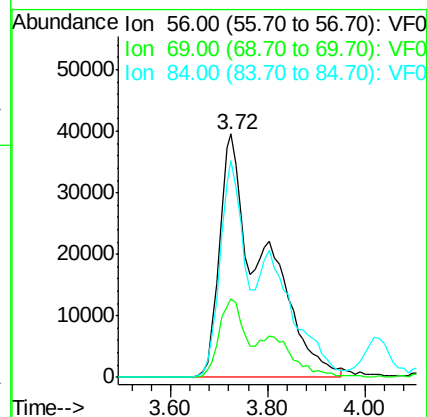
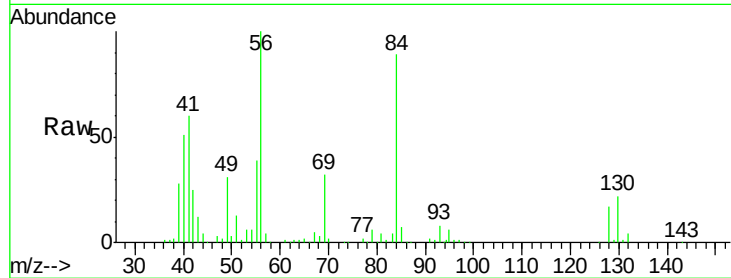
69 32.4 25.9 38.9

84 88.9 71.1 106.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.954 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.00 min

Lab File: VF062078.D

Acq: 22 Mar 2019 12:25

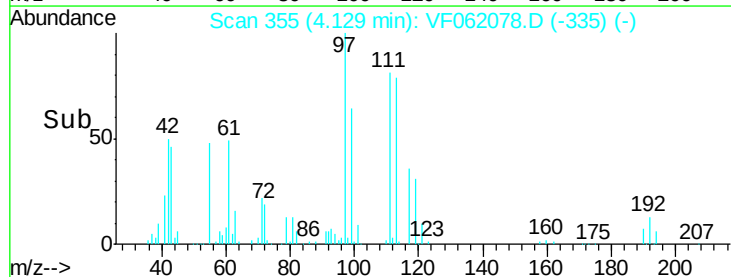
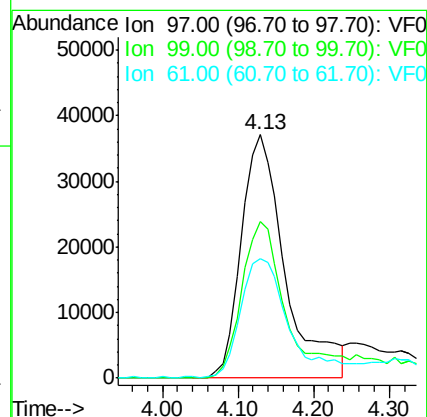
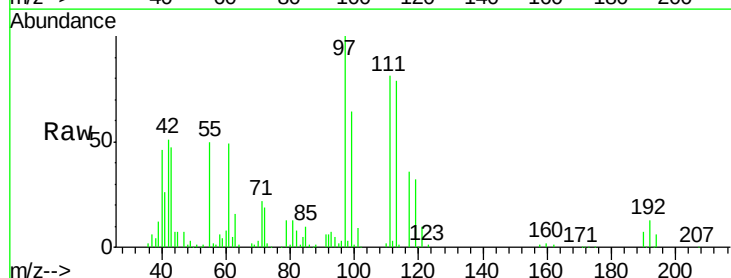
Tgt Ion: 97 Resp: 150281

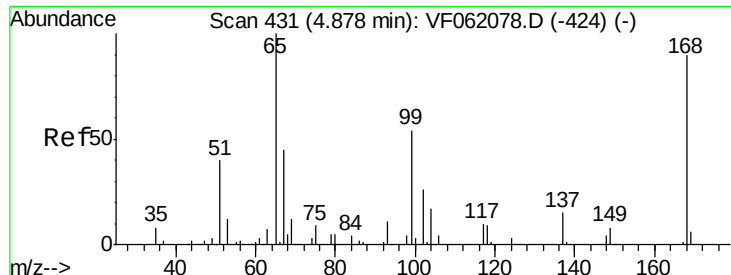
Ion Ratio Lower Upper

97 100

99 64.1 51.3 76.9

61 48.8 39.0 58.6





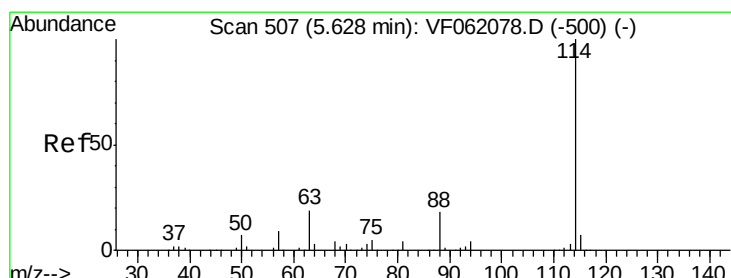
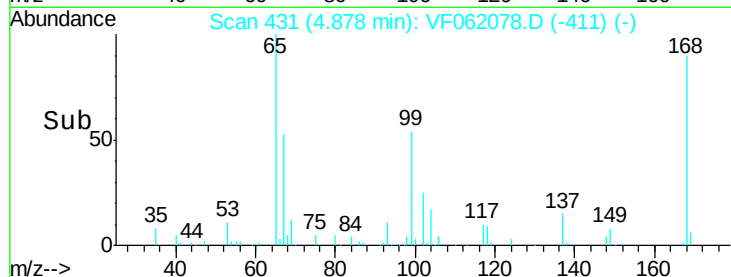
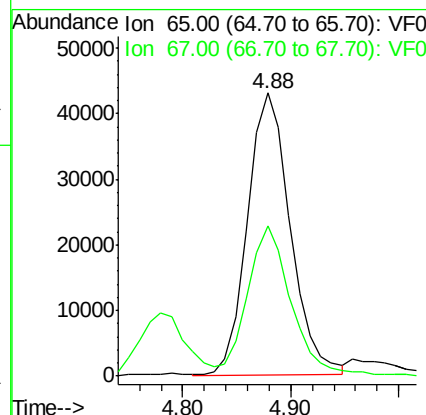
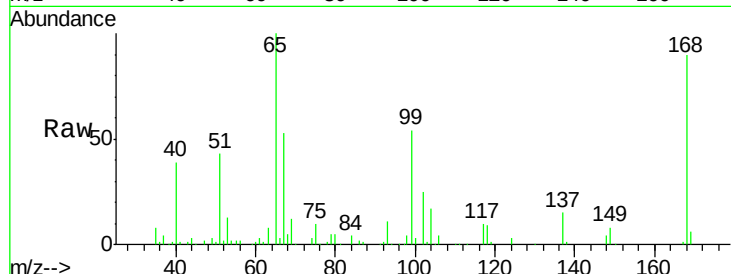
#33
 1,2-Dichloroethane-d4
 Concen: 54.062 ug/l
 RT: 4.88 min Scan# 431
 Delta R.T. 0.00 min
 Lab File: VF062078.D
 Acq: 22 Mar 2019 12:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	118671		
67	53.1	0.0	106.2	

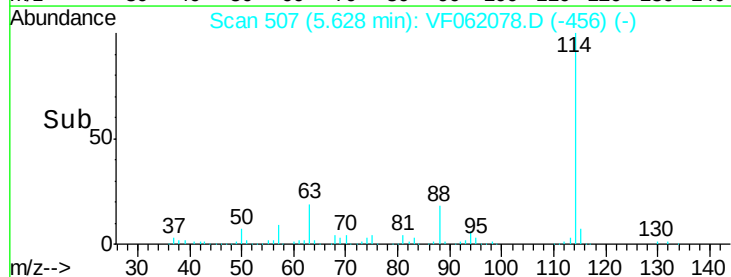
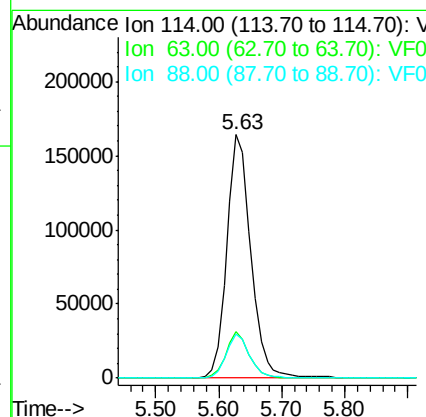
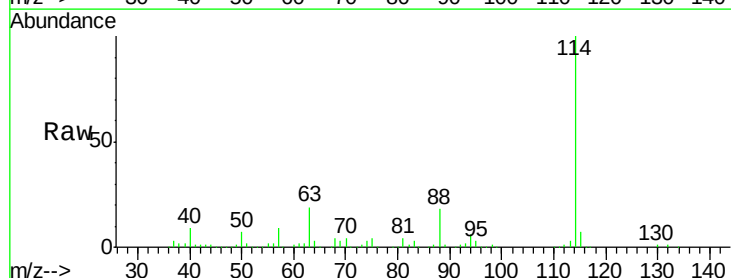
Manual Integrations
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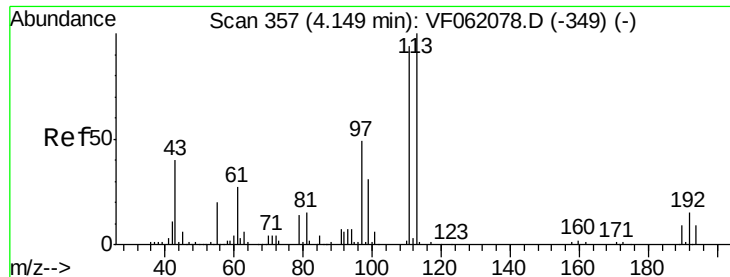
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VF062078.D
 Acq: 22 Mar 2019 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	435863		
63	18.9	0.0	37.8	
88	18.2	0.0	36.4	





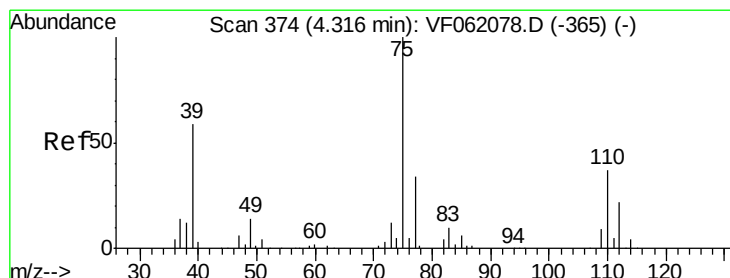
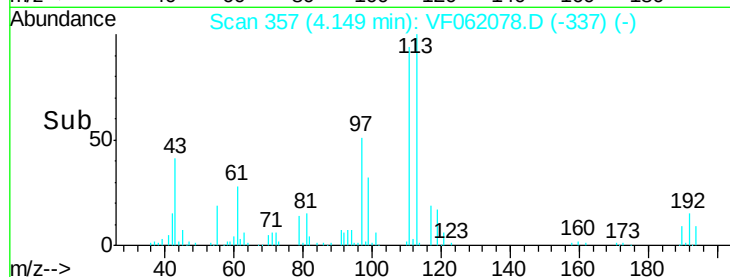
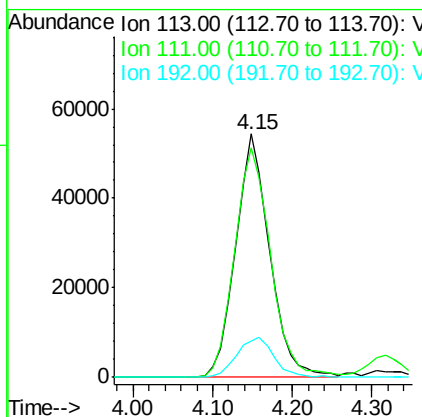
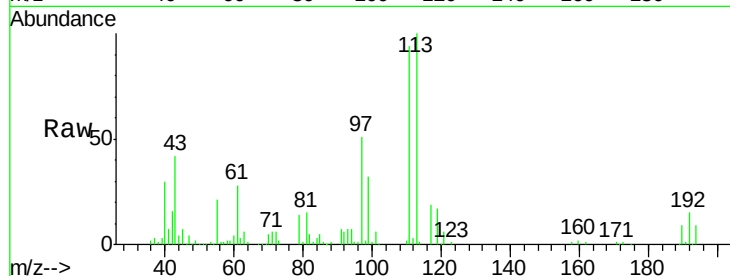
#35
 Dibromofluoromethane
 Concen: 54.620 ug/l
 RT: 4.15 min Scan# 357
 Delta R.T. 0.00 min
 Lab File: VF062078.D
 Acq: 22 Mar 2019 12:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	94.2	75.4	113.0
192	15.4	12.3	18.5

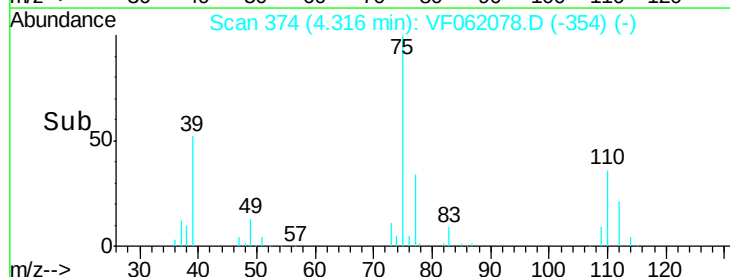
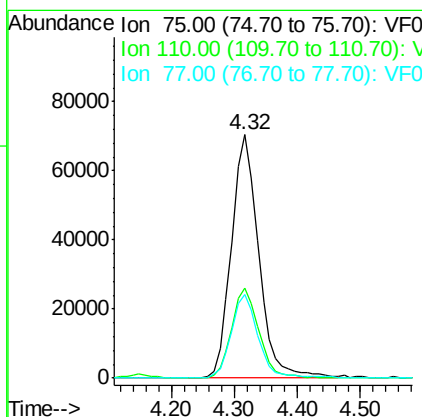
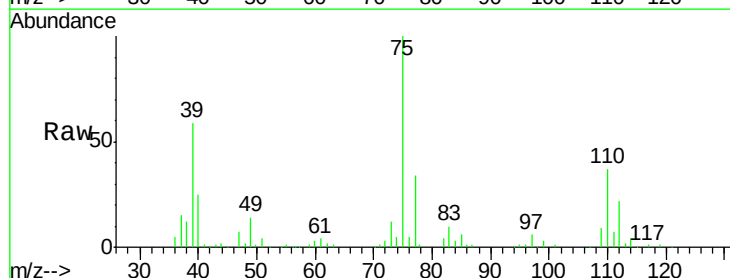
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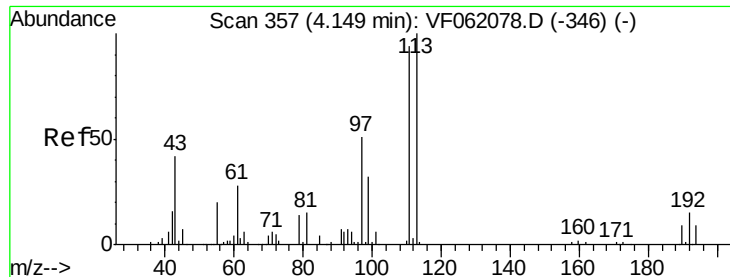
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#36
 1,1-Dichloropropene
 Concen: 51.025 ug/l
 RT: 4.32 min Scan# 374
 Delta R.T. 0.00 min
 Lab File: VF062078.D
 Acq: 22 Mar 2019 12:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.0	18.5	55.5
77	34.2	27.4	41.0





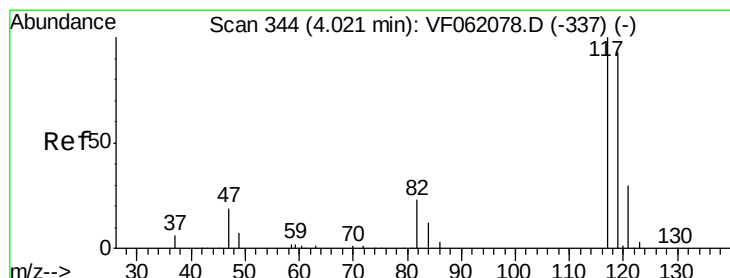
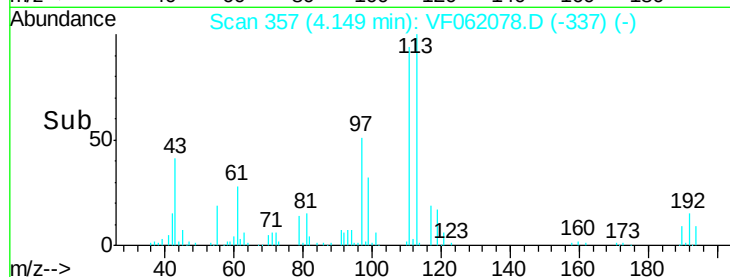
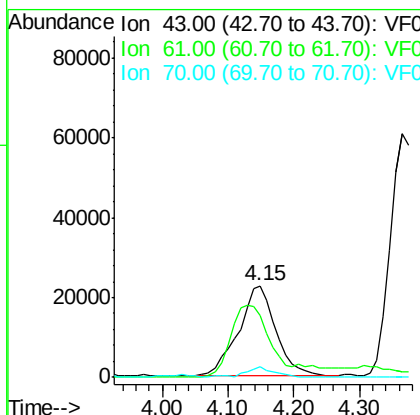
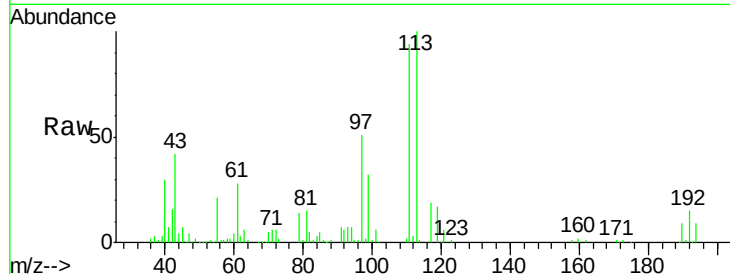
#37
Ethyl Acetate
Concen: 49.406 ug/l
RT: 4.15 min Scan# 357
Delta R.T. 0.00 min
Lab File: VF062078.D
Acq: 22 Mar 2019 12:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	43	61	70	Ratio	Lower	Upper
43	100					
61	67.0	53.6			80.4	
70	11.3	9.0			13.6	

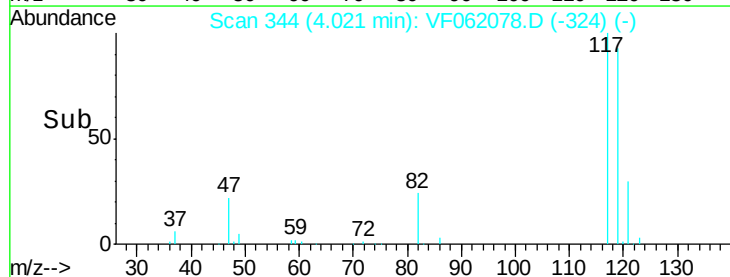
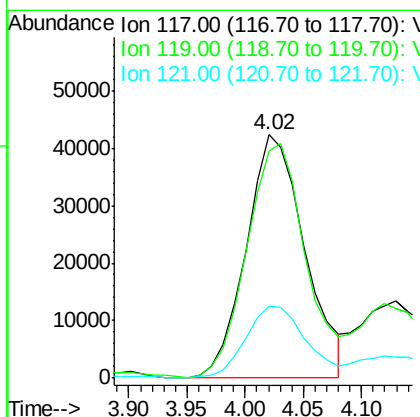
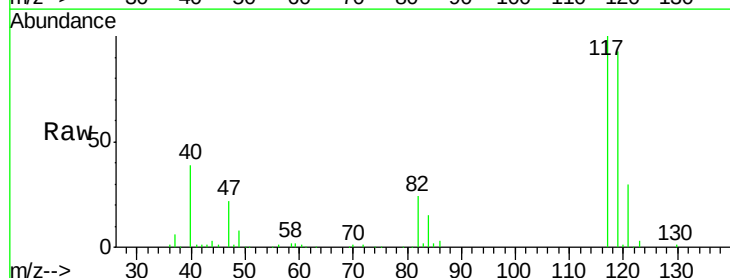
Manual Integrations
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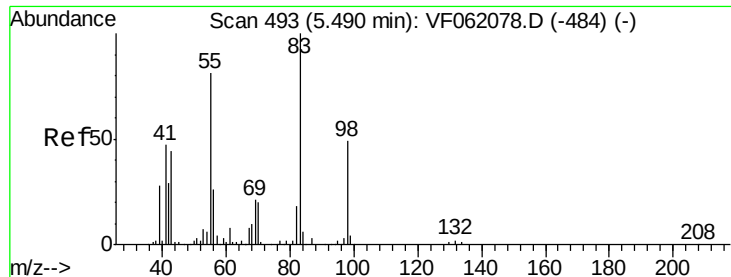
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3/27/2019 11:57:11 AM



#38
Carbon Tetrachloride
Concen: 51.793 ug/l
RT: 4.02 min Scan# 344
Delta R.T. 0.00 min
Lab File: VF062078.D
Acq: 22 Mar 2019 12:25

Tgt Ion	117	119	121	Ratio	Lower	Upper
117	100					
119	93.4	74.7			112.1	
121	29.5	23.6			35.4	





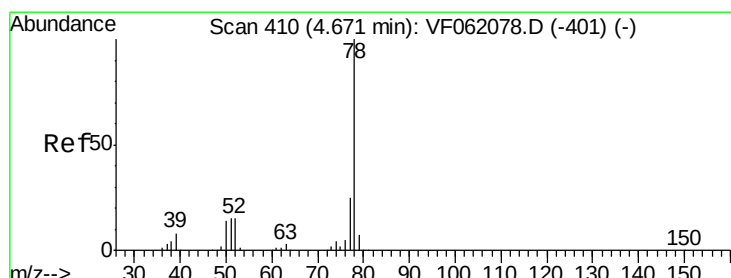
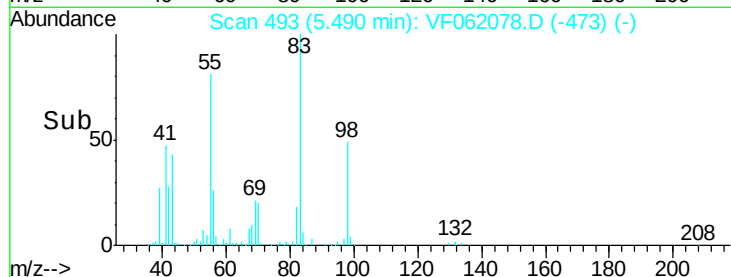
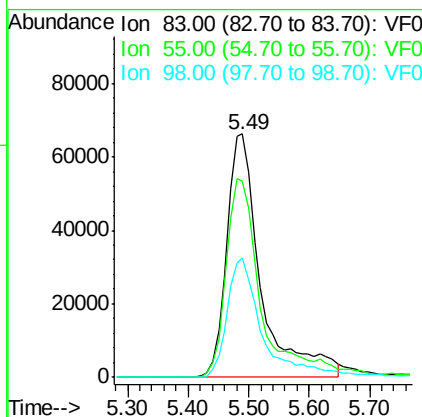
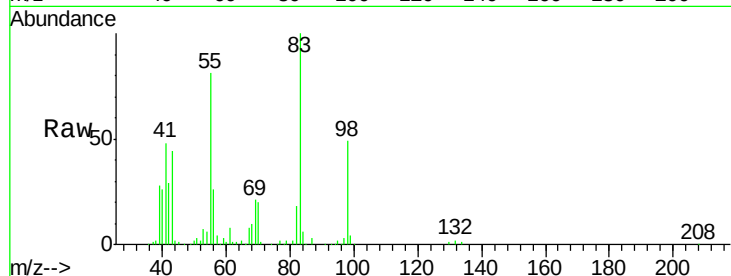
#39
Methylvlcyclohexane
Concen: 54.266 ug/l
RT: 5.49 min Scan# 493
Delta R.T. 0.00 min
Lab File: VF062078.D
Acq: 22 Mar 2019 12:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	261474
Ion	Ratio	Lower	Upper
83	100		
55	80.6	64.5	96.7
98	48.9	39.1	58.7

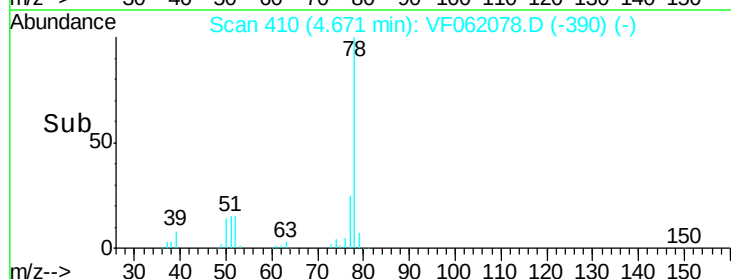
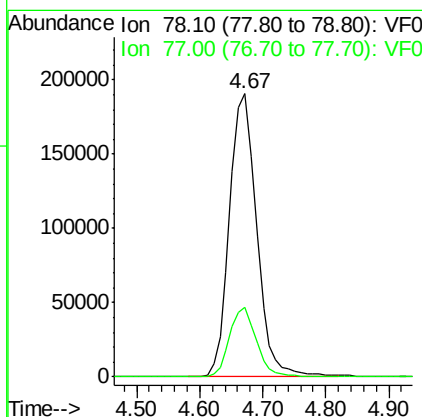
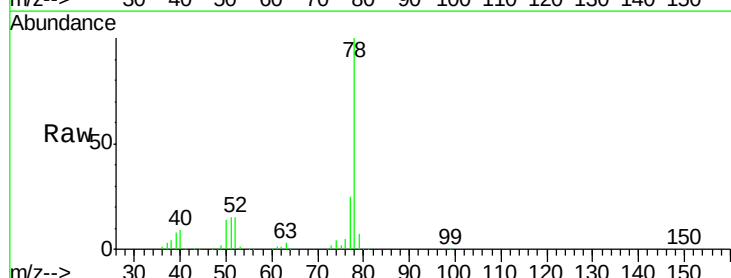
Manual Integrations
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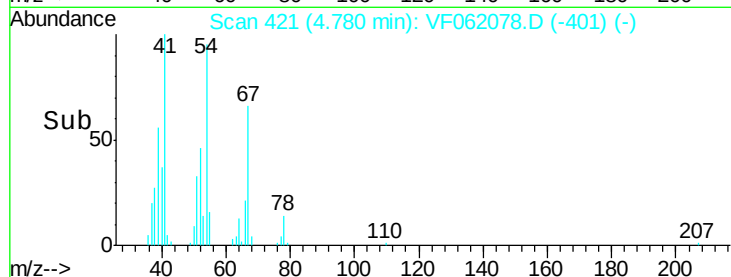
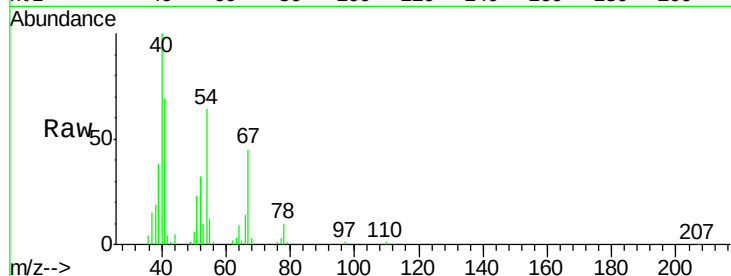
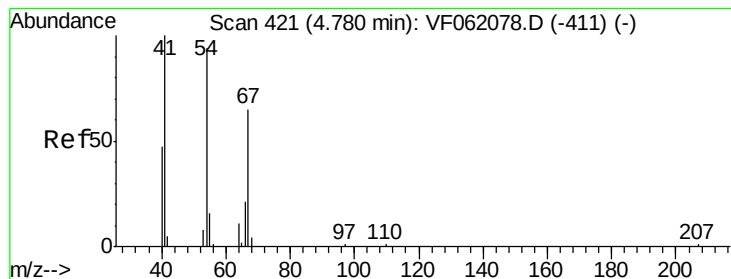
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#40
Benzene
Concen: 51.384 ug/l
RT: 4.67 min Scan# 410
Delta R.T. 0.00 min
Lab File: VF062078.D
Acq: 22 Mar 2019 12:25

Tgt Ion	78	Resp	571878
Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.8	29.6





#41

Methacrylonitrile

Concen: 52.048 ug/l

RT: 4.78 min Scan# 421

Delta R.T. 0.00 min

Lab File: VF062078.D

Acq: 22 Mar 2019 12:25

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.4	43.5	65.3	
67	64.5	51.6	77.4	
52	45.6	36.5	54.7	

Instrument :

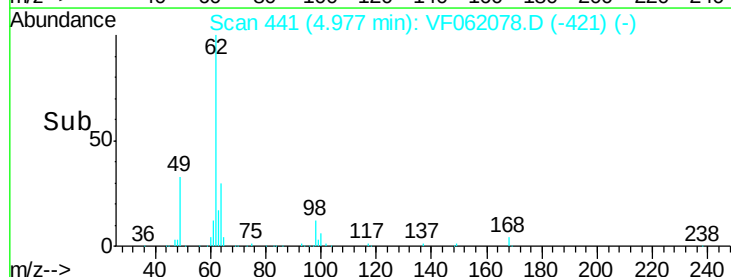
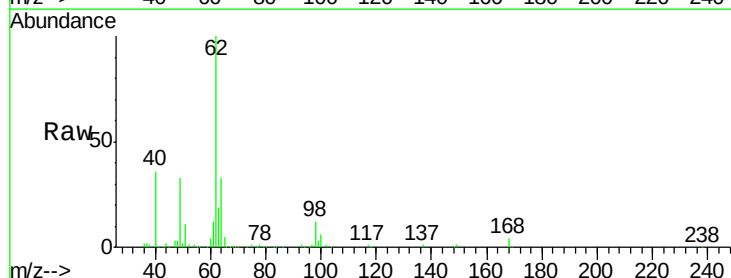
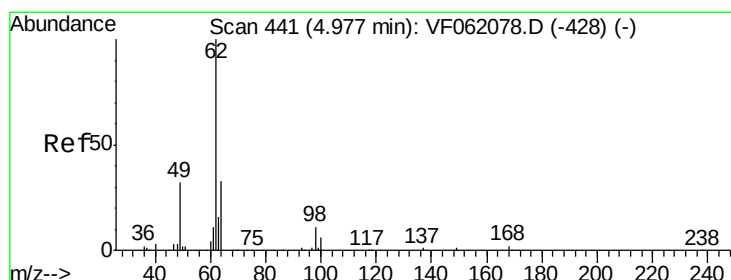
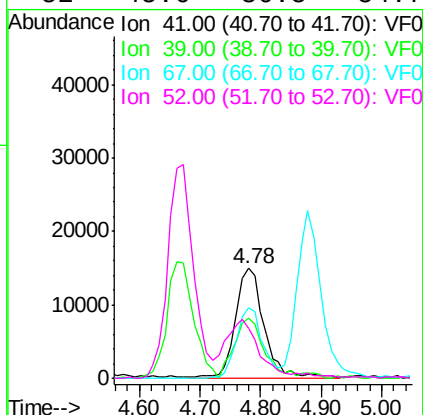
MSVOA_F

ClientSampleId :

VSTDICCC050

Manual Integrations
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3/27/2019 11:57:11 AM



#42

1,2-Dichloroethane

Concen: 51.771 ug/l

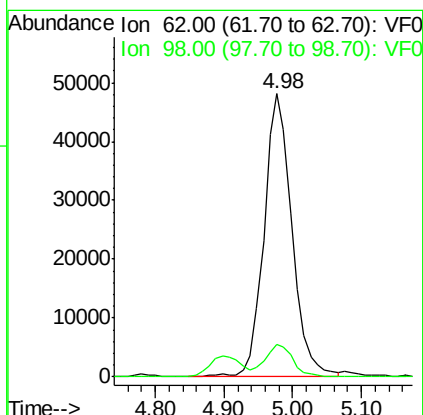
RT: 4.98 min Scan# 441

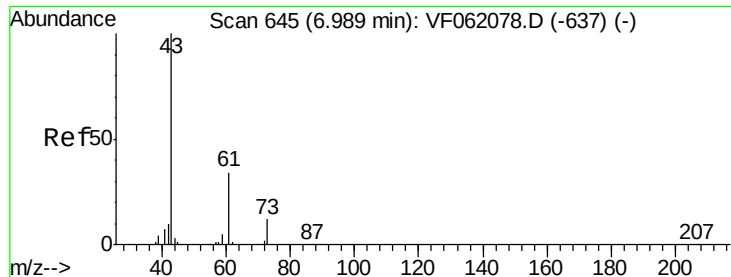
Delta R.T. 0.00 min

Lab File: VF062078.D

Acq: 22 Mar 2019 12:25

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	11.6	0.0	23.2	





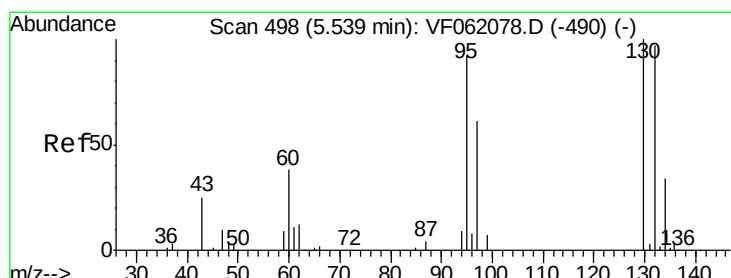
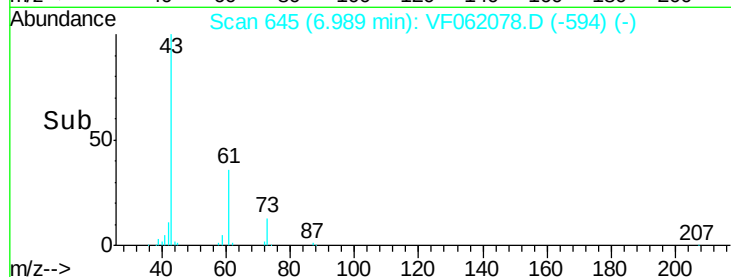
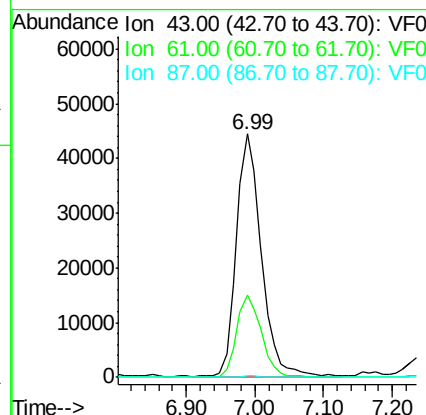
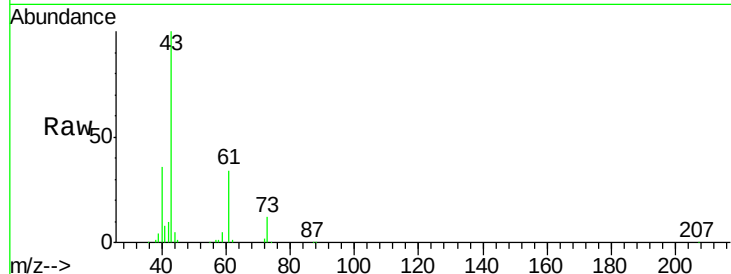
#43
Isopropyl Acetate
Concen: 50.667 ug/l
RT: 6.99 min Scan# 645
Delta R.T. 0.00 min
Lab File: VF062078.D
Acq: 22 Mar 2019 12:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.7	27.0	40.4
87	0.5	0.4	0.6

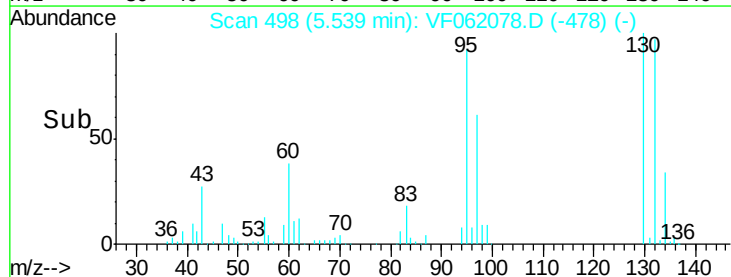
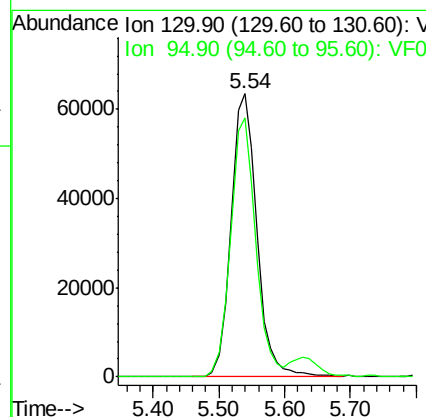
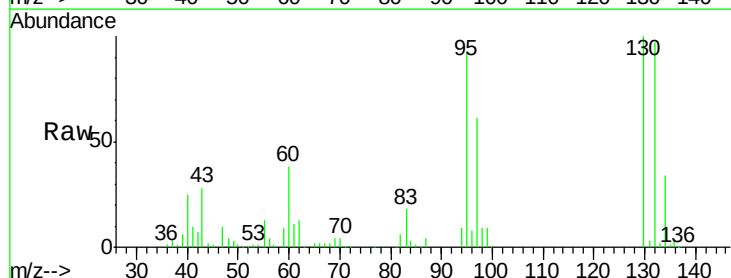
Manual Integrations
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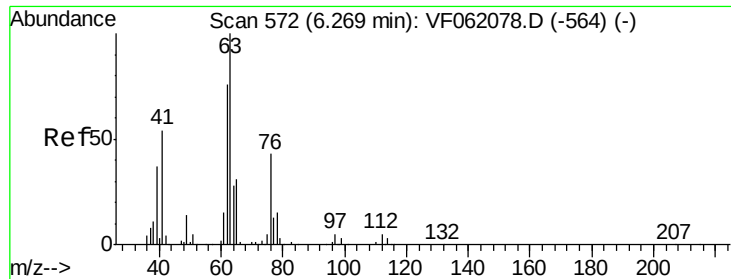
MMDadoda
3/27/2019 11:57:11 AM



#44
Trichloroethene
Concen: 51.450 ug/l
RT: 5.54 min Scan# 498
Delta R.T. 0.00 min
Lab File: VF062078.D
Acq: 22 Mar 2019 12:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.7	0.0	183.4





#45

1,2-Dichloropropane

Concen: 50.969 ug/l

RT: 6.27 min Scan# 572

Delta R.T. 0.00 min

Lab File: VF062078.D

Acq: 22 Mar 2019 12:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 135297

Ion Ratio Lower Upper

63 100

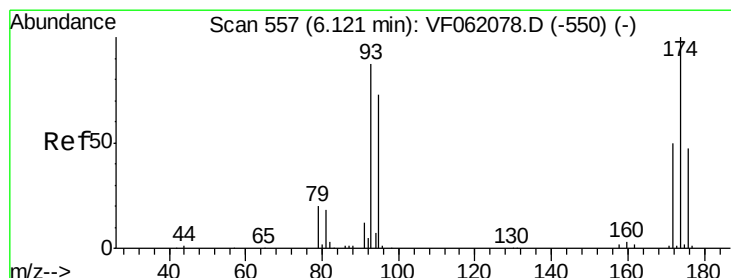
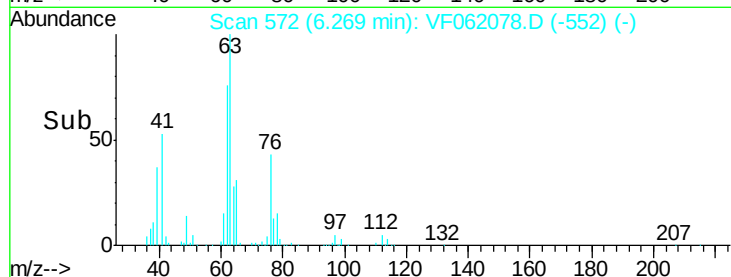
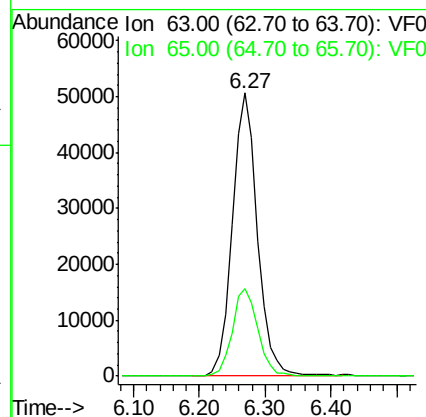
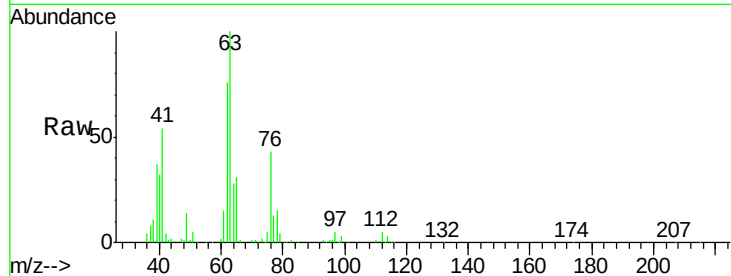
65 31.1 24.9 37.3

Manual Integrations

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#46

Dibromomethane

Concen: 51.305 ug/l

RT: 6.12 min Scan# 557

Delta R.T. 0.00 min

Lab File: VF062078.D

Acq: 22 Mar 2019 12:25

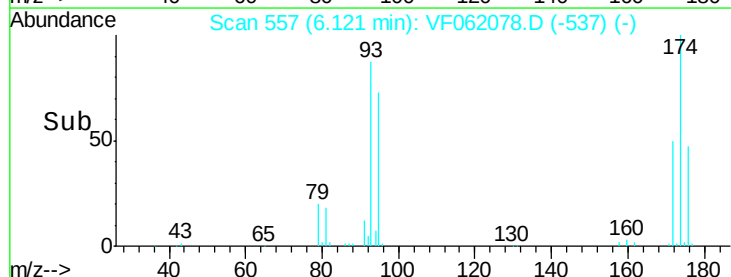
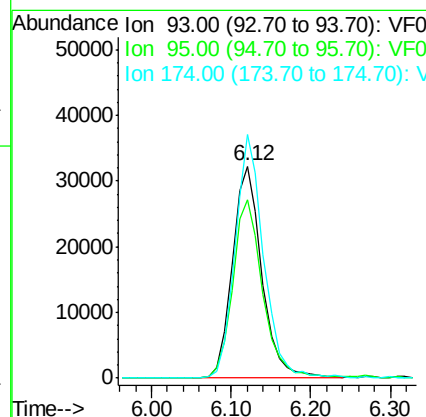
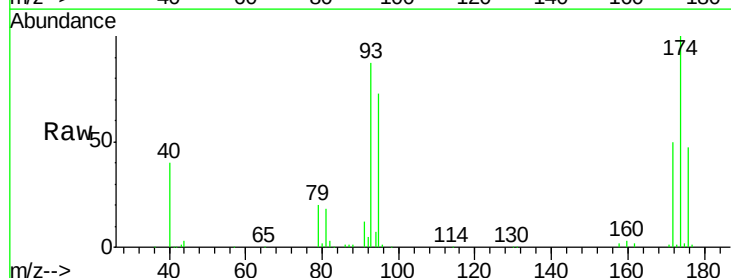
Tgt Ion: 93 Resp: 83271

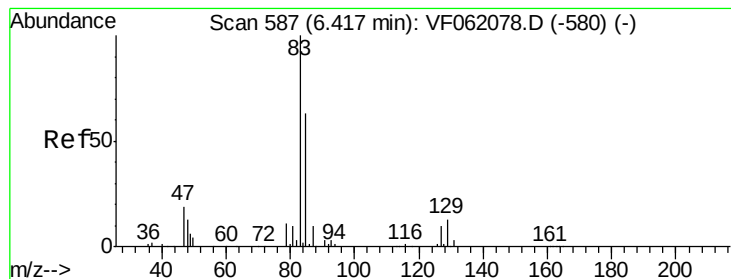
Ion Ratio Lower Upper

93 100

95 84.3 67.4 101.2

174 115.0 92.0 138.0





#47

Bromodichloromethane

Concen: 50.977 ug/l

RT: 6.42 min Scan# 587

Delta R.T. 0.00 min

Lab File: VF062078.D

Acq: 22 Mar 2019 12:25

Instrument :

MSVOA_F

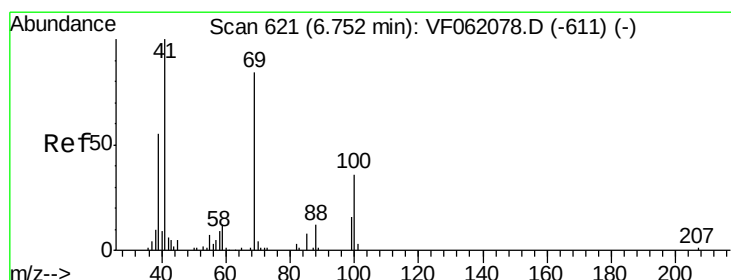
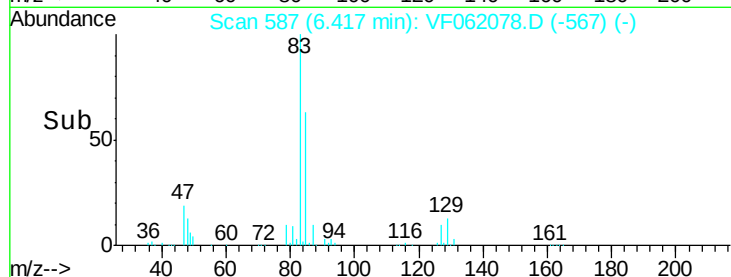
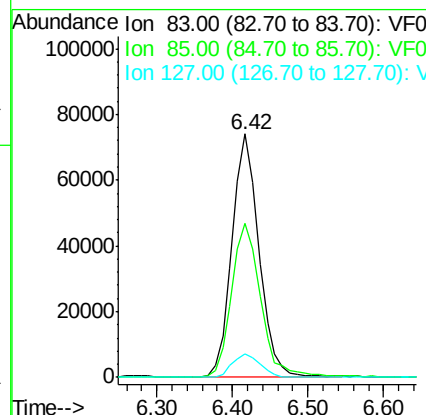
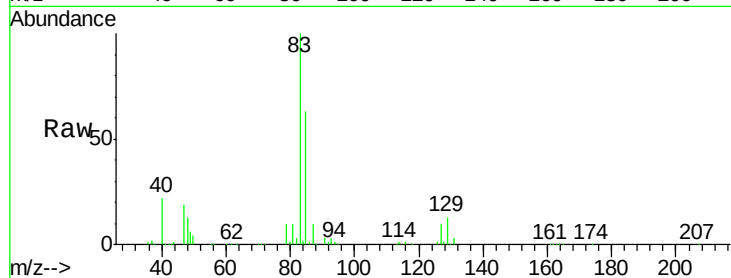
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	183265
Ion Ratio	Lower	Upper	
83	100		
85	63.4	50.7	76.1
127	9.7	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.476 ug/l

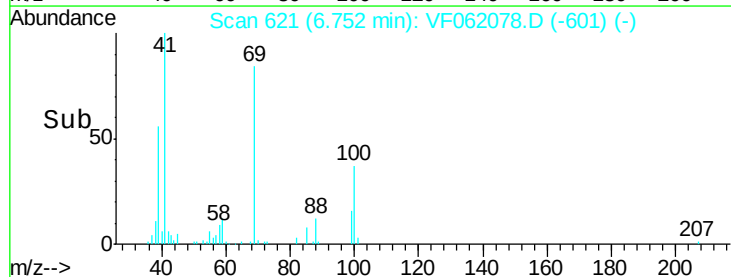
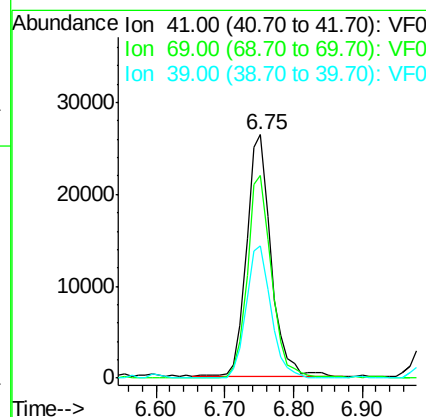
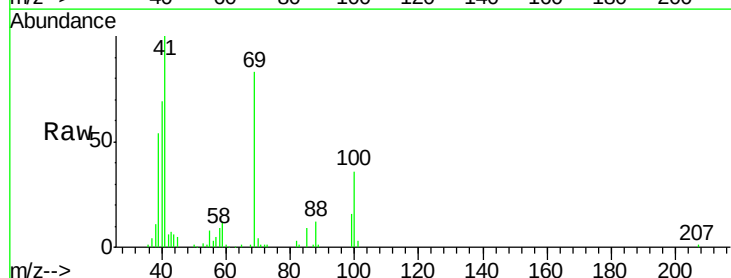
RT: 6.75 min Scan# 621

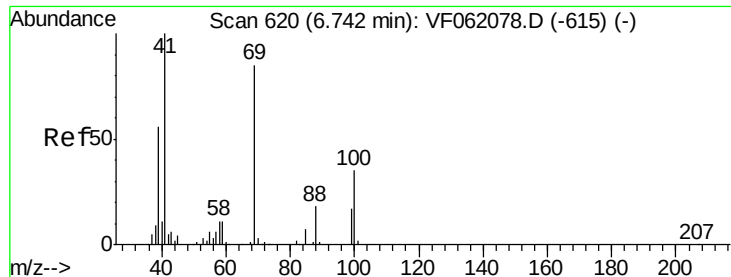
Delta R.T. 0.00 min

Lab File: VF062078.D

Acq: 22 Mar 2019 12:25

Tgt Ion:	41	Resp:	64400
Ion Ratio	Lower	Upper	
41	100		
69	83.3	66.6	100.0
39	54.5	43.6	65.4





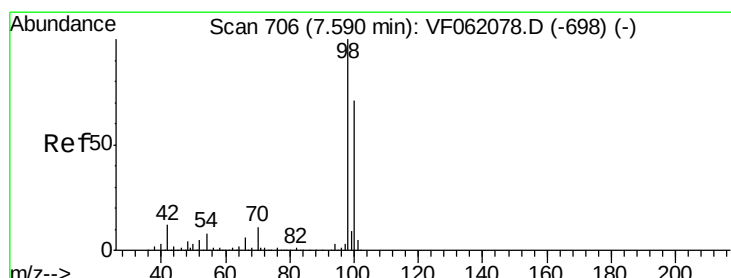
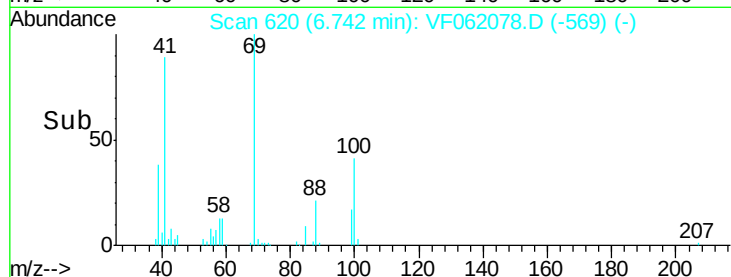
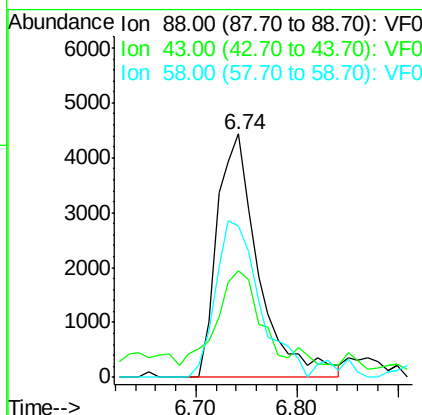
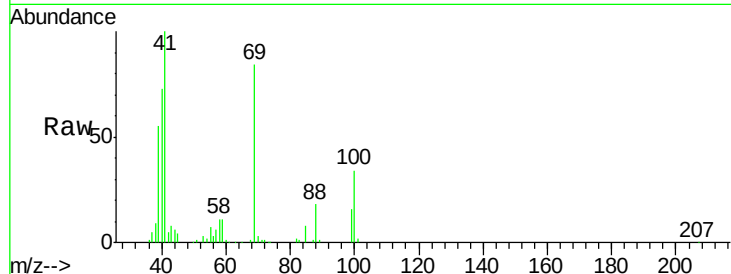
#49
1,4-Dioxane
Concen: 1149.050 ug/l
RT: 6.74 min Scan# 620
Delta R.T. 0.00 min
Lab File: VF062078.D
Acq: 22 Mar 2019 12:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	12614		
43	43.7		35.0	52.4
58	62.4		49.9	74.9

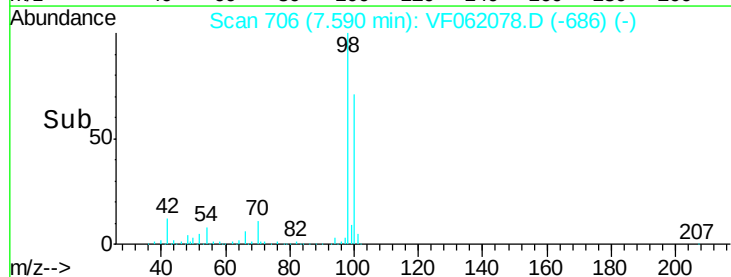
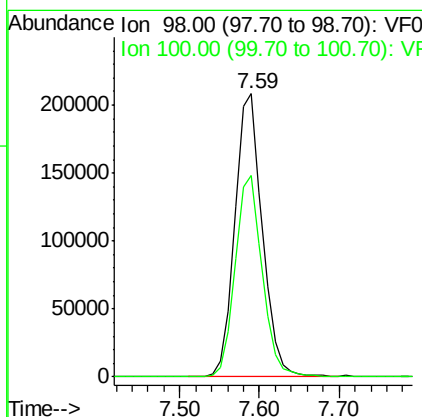
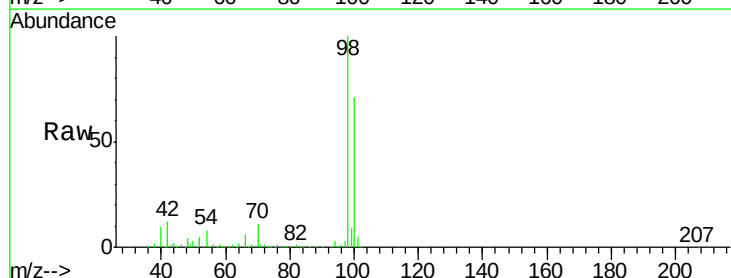
Manual Integrations
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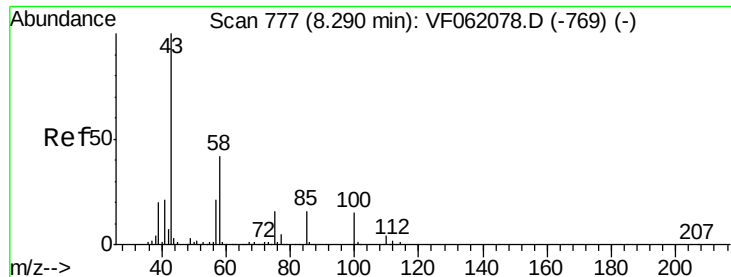
MMDadoda
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#50
Toluene-d8
Concen: 56.682 ug/l
RT: 7.59 min Scan# 706
Delta R.T. 0.00 min
Lab File: VF062078.D
Acq: 22 Mar 2019 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	498870		
100	71.3		57.0	85.6





#51

4-Methyl-2-Pentanone

Concen: 253.066 ug/l

RT: 8.29 min Scan# 777

Delta R.T. 0.00 min

Lab File: VF062078.D

Acq: 22 Mar 2019 12:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 372177

Ion Ratio Lower Upper

43 100

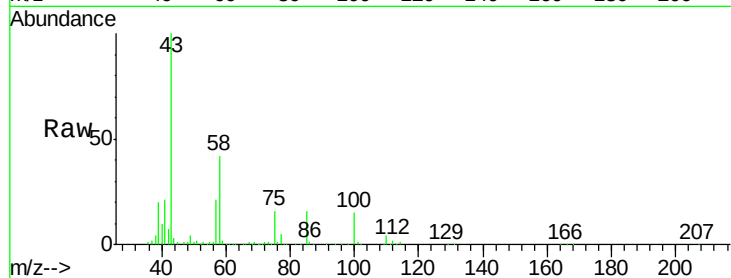
58 42.3 33.8 50.8

Manual Integrations

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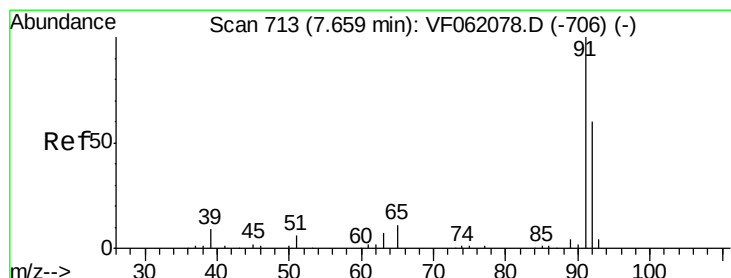
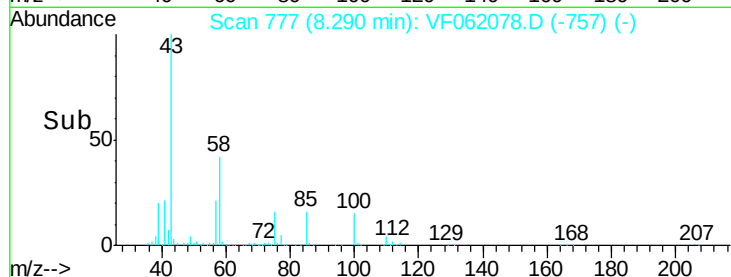
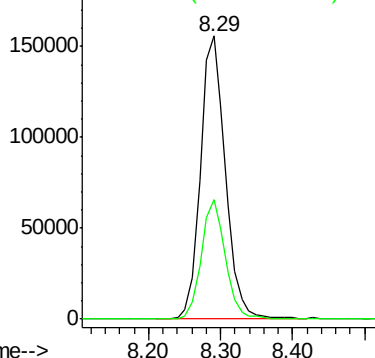
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 50.790 ug/l

RT: 7.66 min Scan# 713

Delta R.T. 0.00 min

Lab File: VF062078.D

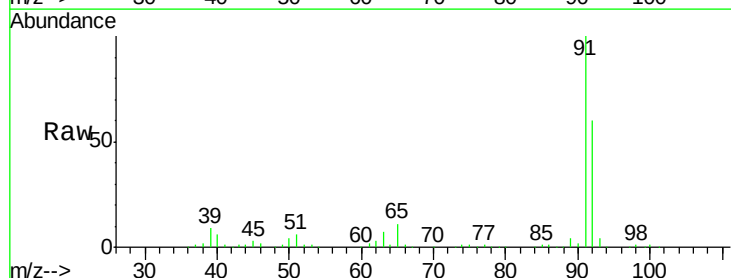
Acq: 22 Mar 2019 12:25

Tgt Ion: 92 Resp: 327408

Ion Ratio Lower Upper

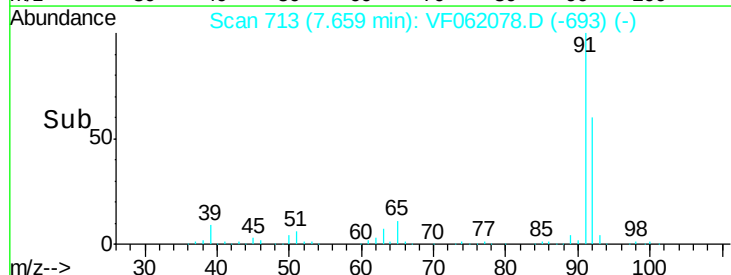
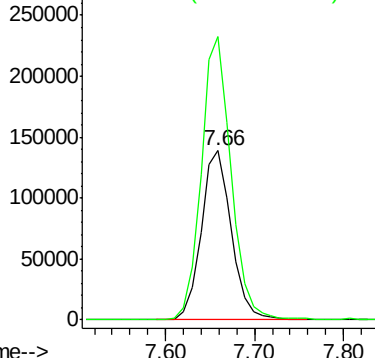
92 100

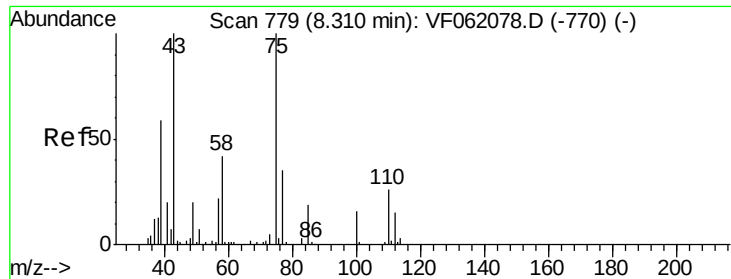
91 167.6 134.1 201.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





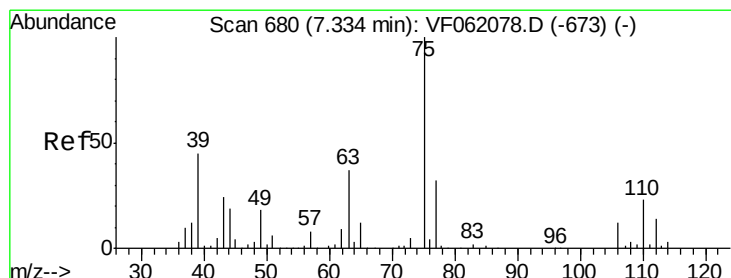
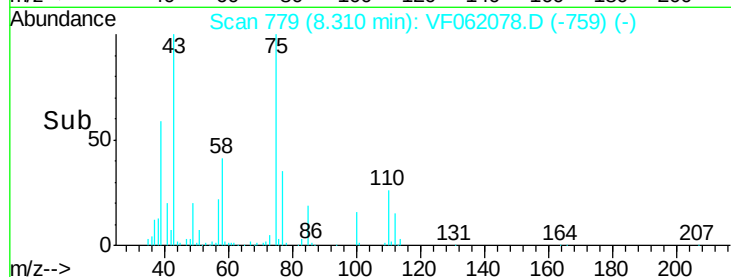
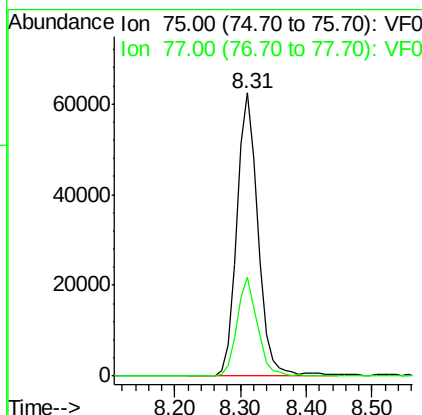
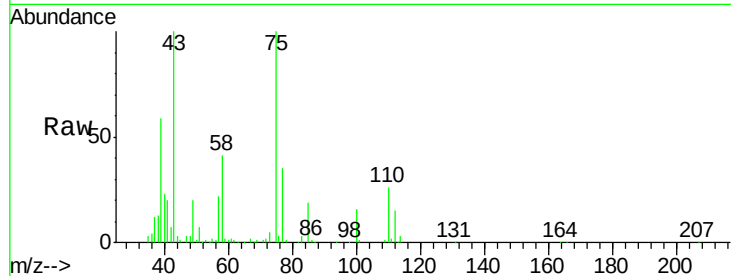
#53
t-1,3-Dichloropropene
Concen: 50.475 ug/l
RT: 8.31 min Scan# 779
Delta R.T. 0.00 min
Lab File: VF062078.D
Acq: 22 Mar 2019 12:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	35.0	28.0	42.0

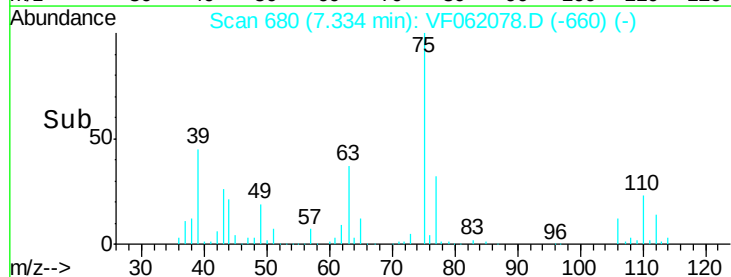
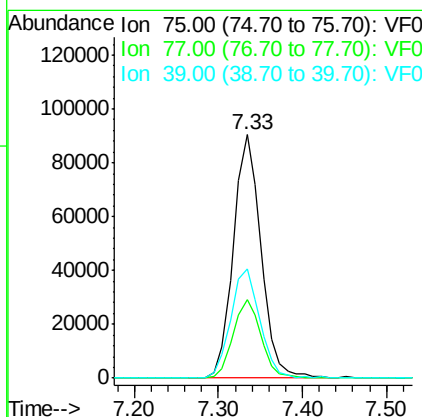
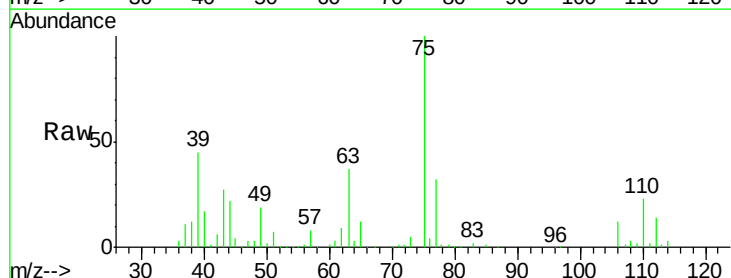
Manual Integrations
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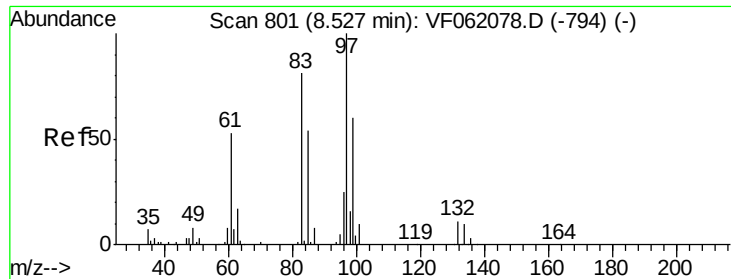
MMDadoda
3/27/2019 11:57:11 AM



#54
cis-1,3-Dichloropropene
Concen: 51.352 ug/l
RT: 7.33 min Scan# 680
Delta R.T. 0.00 min
Lab File: VF062078.D
Acq: 22 Mar 2019 12:25

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.8	38.6
39	44.9	35.9	53.9





#55

1,1,2-Trichloroethane

Concen: 52.891 ug/l

RT: 8.53 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF062078.D

Acq: 22 Mar 2019 12:25

Instrument :

MSVOA_F

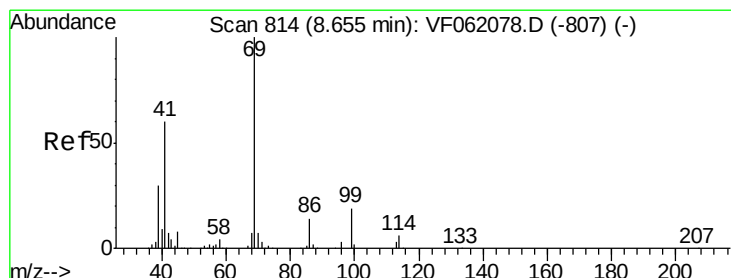
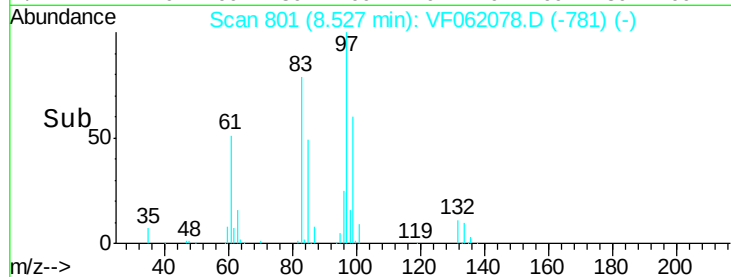
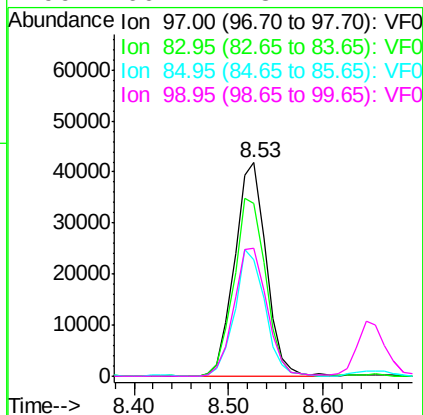
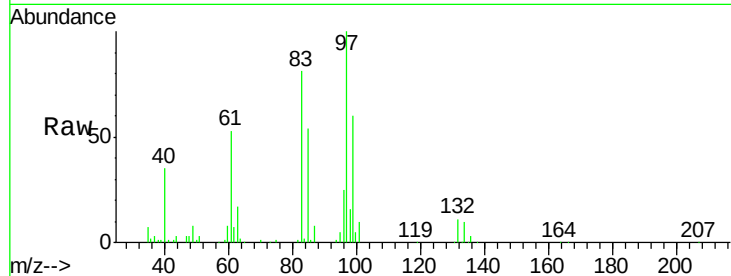
ClientSampleId :

VSTDICCC050

Tot Ion:	97	Resp:	96847
Ion	Ratio	Lower	Upper
97	100		
83	80.8	64.6	97.0
85	54.5	43.6	65.4
99	60.2	48.2	72.2

Manual Integrations
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3/27/2019 11:57:11 AM



#56

Ethyl methacrylate

Concen: 53.092 ug/l

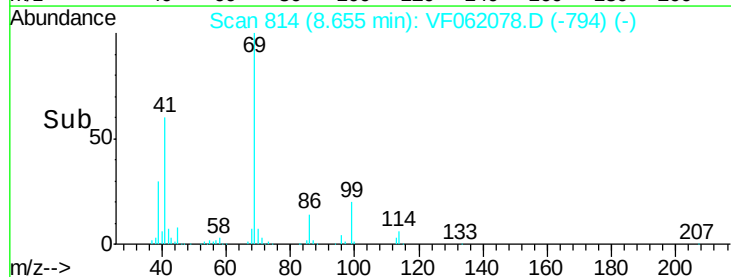
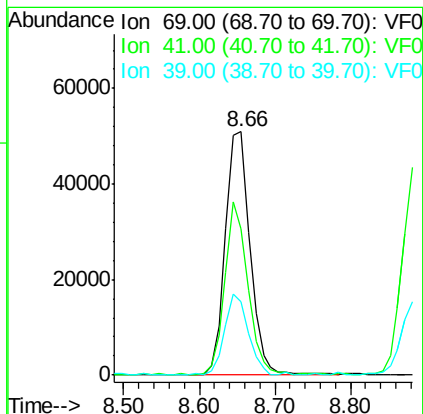
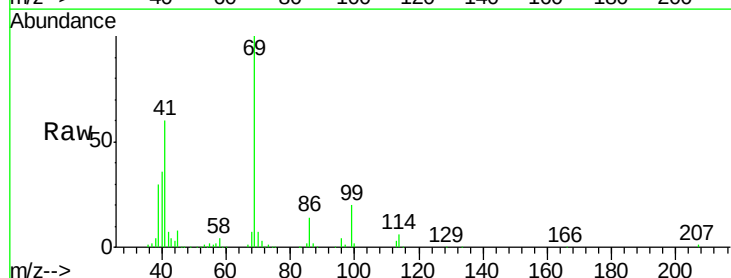
RT: 8.66 min Scan# 814

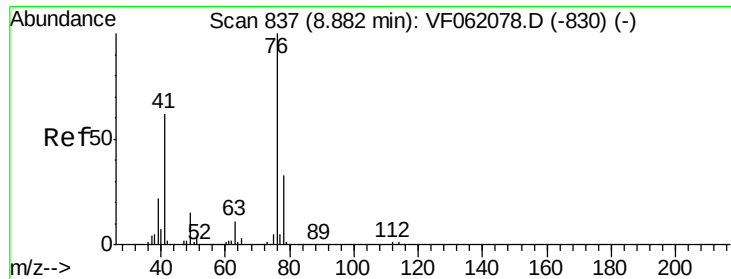
Delta R.T. 0.00 min

Lab File: VF062078.D

Acq: 22 Mar 2019 12:25

Tgt Ion:	69	Resp:	115939
Ion	Ratio	Lower	Upper
69	100		
41	60.2	48.2	72.2
39	30.0	24.0	36.0





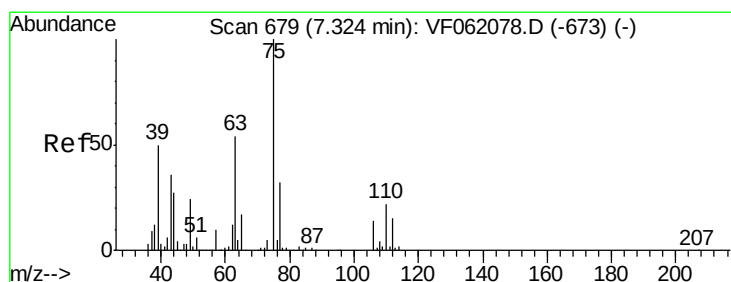
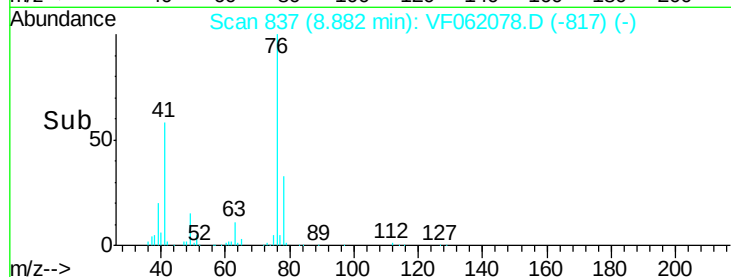
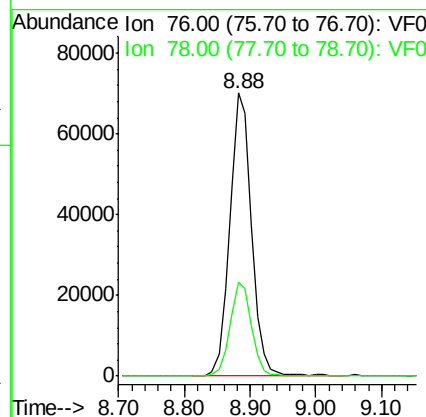
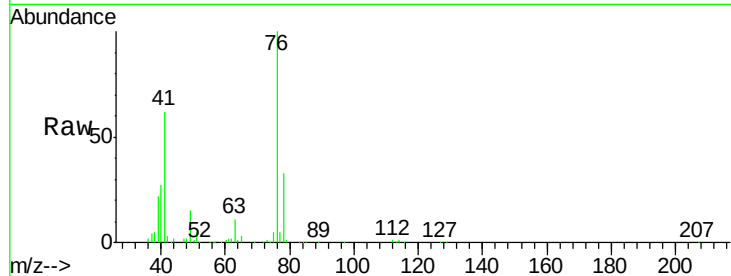
#57
 1,3-Dichloropropane
 Concen: 53.474 ug/l
 RT: 8.88 min Scan# 837
 Delta R.T. 0.00 min
 Lab File: VF062078.D
 Acq: 22 Mar 2019 12:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 162507
 Ion Ratio Lower Upper
 76 100
 78 33.2 26.6 39.8

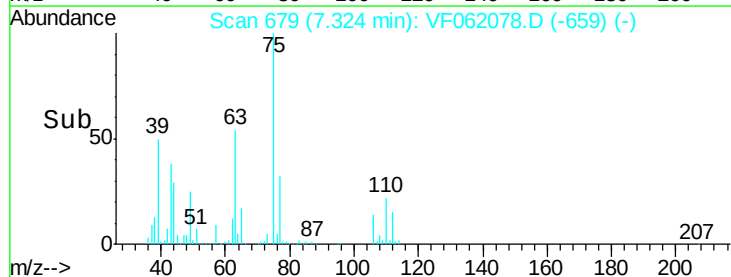
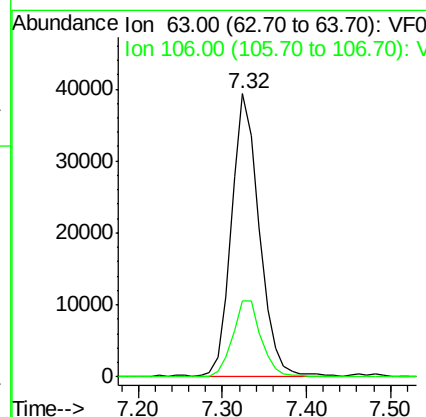
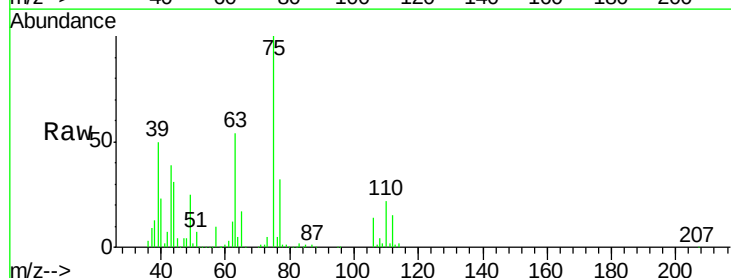
Manual Integrations
 APPROVED

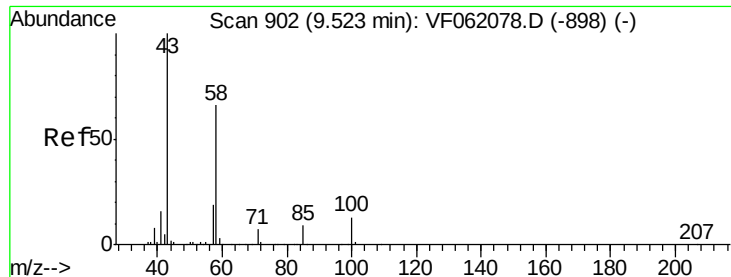
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 3/27/2019 11:57:11 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 273.682 ug/l
 RT: 7.32 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VF062078.D
 Acq: 22 Mar 2019 12:25

Tgt Ion: 63 Resp: 90689
 Ion Ratio Lower Upper
 63 100
 106 26.9 21.5 32.3





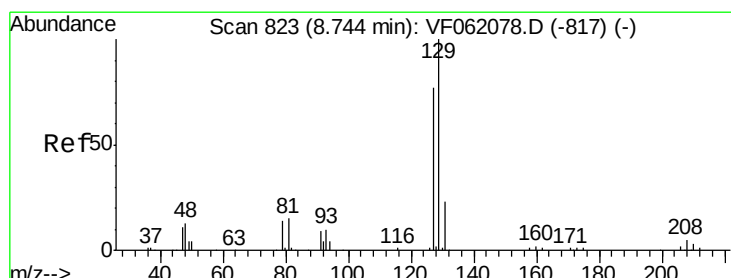
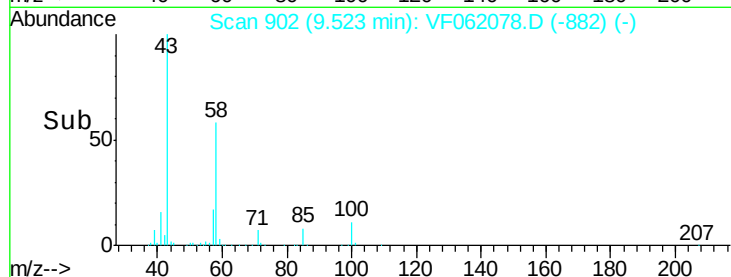
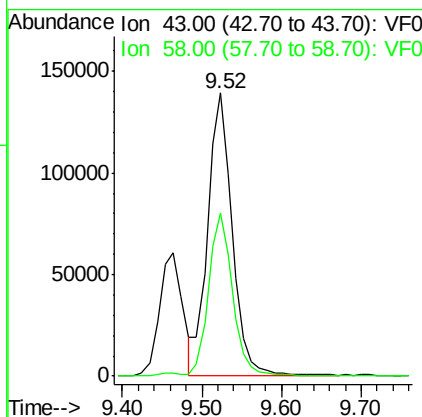
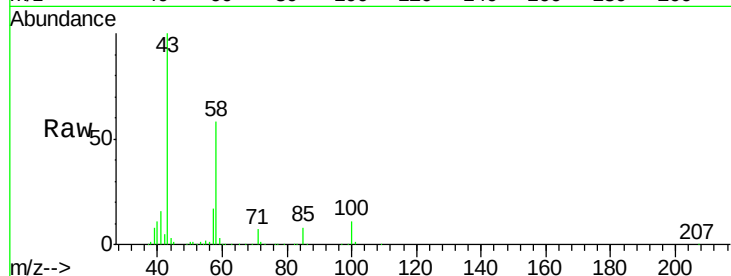
#59
2-Hexanone
Concen: 278.563 ug/l
RT: 9.52 min Scan# 902
Delta R.T. 0.00 min
Lab File: VF062078.D
Acq: 22 Mar 2019 12:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.6	28.8	86.4

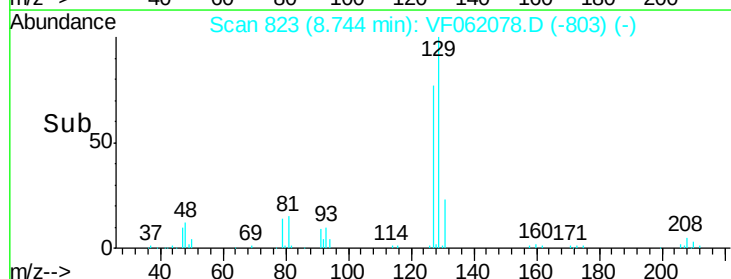
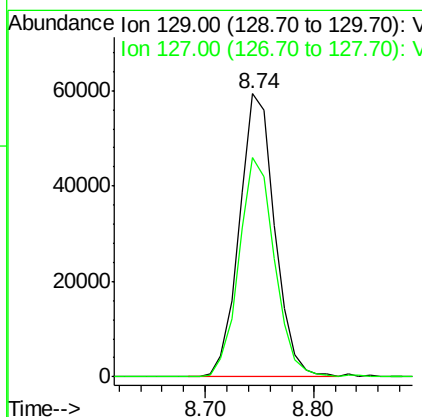
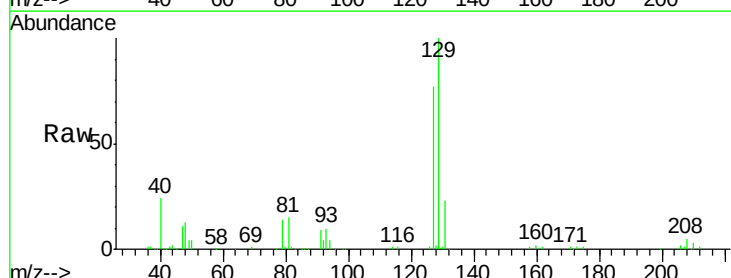
Manual Integrations
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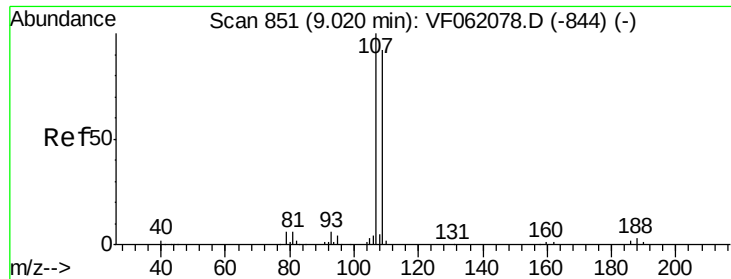
MMDadoda
3/27/2019 11:57:11 AM



#60
Dibromochloromethane
Concen: 53.094 ug/l
RT: 8.74 min Scan# 823
Delta R.T. 0.00 min
Lab File: VF062078.D
Acq: 22 Mar 2019 12:25

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.7	116.1





#61

1,2-Dibromoethane

Concen: 54.484 ug/l

RT: 9.02 min Scan# 851

Delta R.T. 0.00 min

Lab File: VF062078.D

Acq: 22 Mar 2019 12:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:107 Resp: 106436

Ion Ratio Lower Upper

107 100

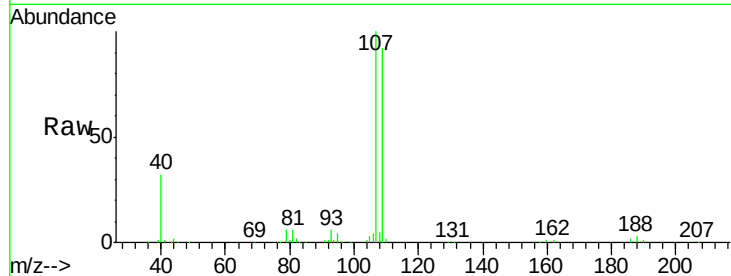
109 91.7 73.4 110.0

Manual Integrations

APPROVED

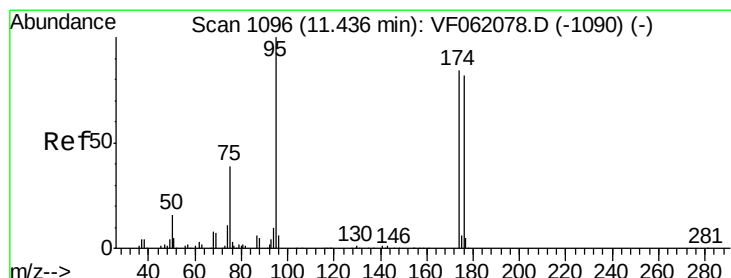
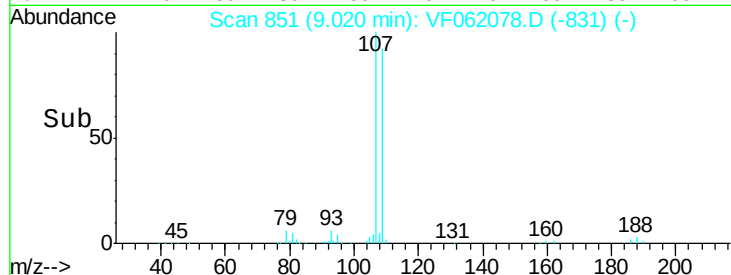
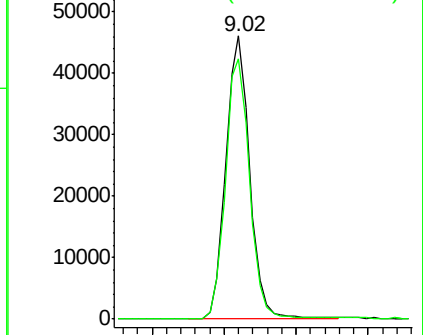
MMDadoda

3/27/2019 11:57:11 AM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 53.762 ug/l

RT: 11.44 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VF062078.D

Acq: 22 Mar 2019 12:25

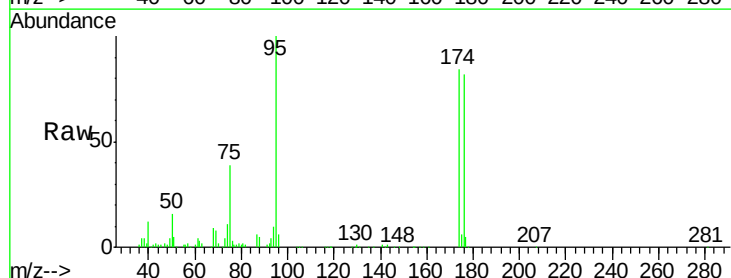
Tgt Ion: 95 Resp: 182668

Ion Ratio Lower Upper

95 100

174 84.1 0.0 168.2

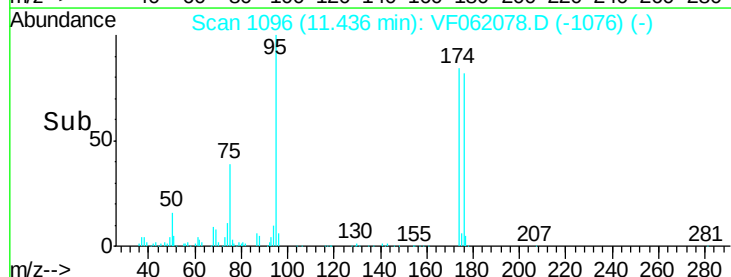
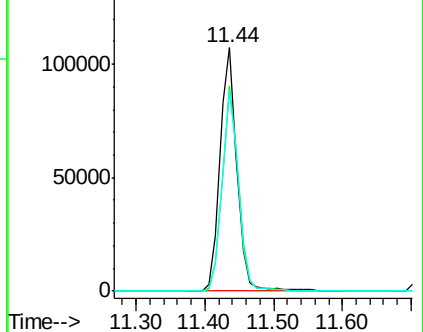
176 82.1 0.0 164.2

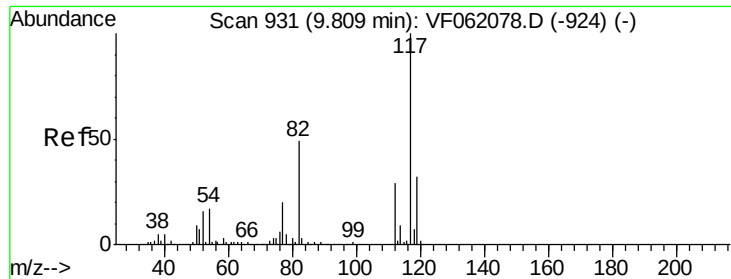


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





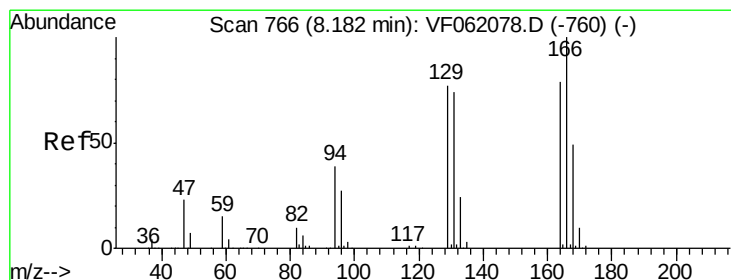
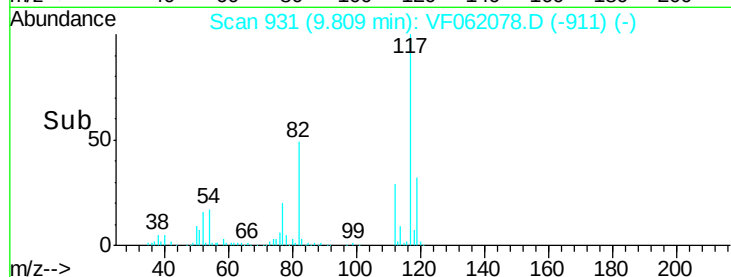
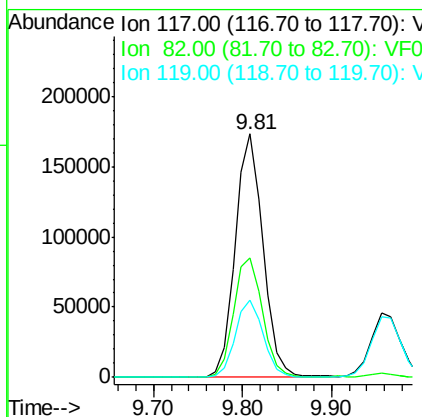
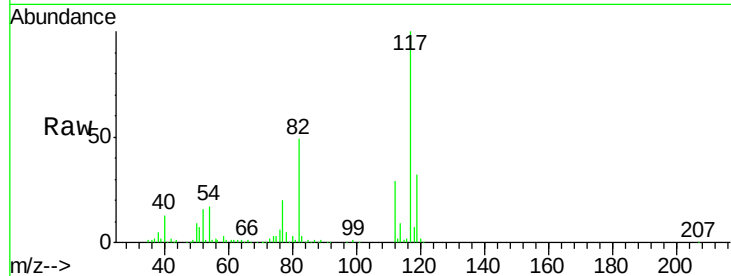
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.81 min Scan# 931
Delta R.T. 0.00 min
Lab File: VF062078.D
Acq: 22 Mar 2019 12:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	378393		
82	49.0		39.2	58.8
119	31.8		25.4	38.2

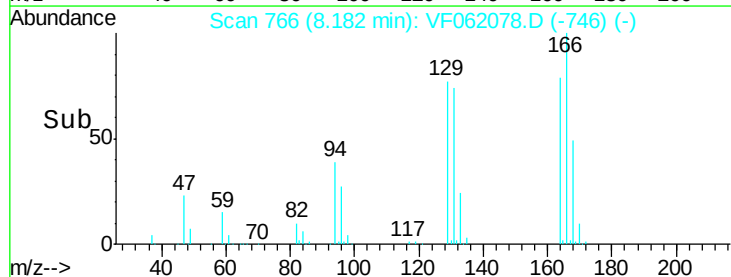
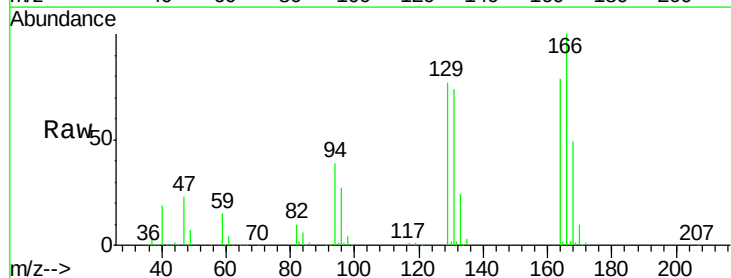
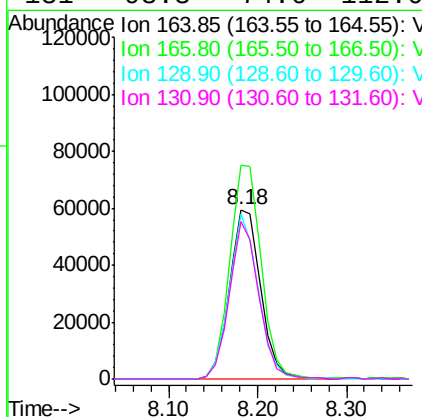
Manual Integrations
APPROVED

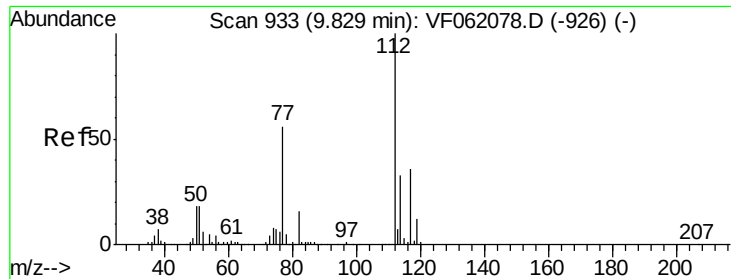
MMDadoda
3/27/2019 11:57:11 AM



#64
Tetrachloroethene
Concen: 50.179 ug/l
RT: 8.18 min Scan# 766
Delta R.T. 0.00 min
Lab File: VF062078.D
Acq: 22 Mar 2019 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	146692		
166	126.1		100.9	151.3
129	97.4		77.9	116.9
131	93.3		74.6	112.0





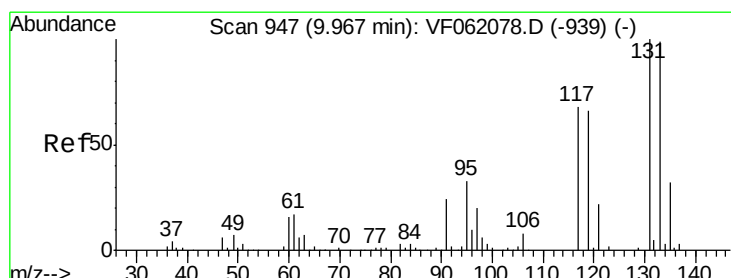
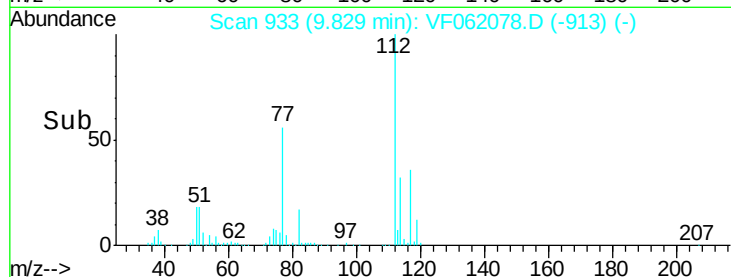
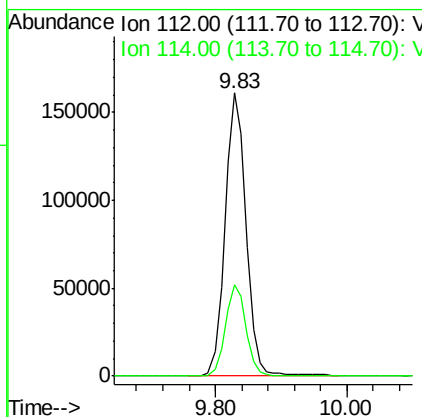
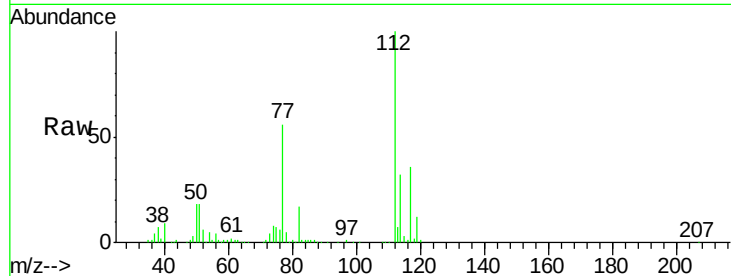
#65
Chlorobenzene
Concen: 50.773 ug/l
RT: 9.83 min Scan# 933
Delta R.T. 0.00 min
Lab File: VF062078.D
Acq: 22 Mar 2019 12:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 359472
Ion Ratio Lower Upper
112 100
114 32.5 26.0 39.0

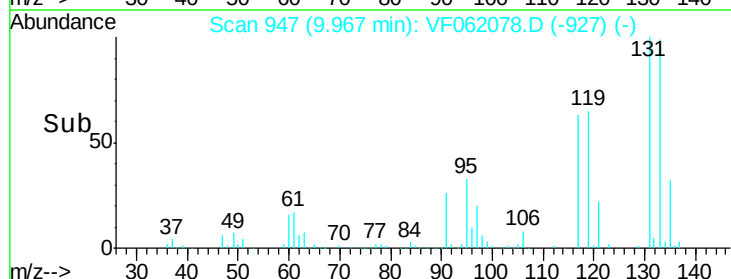
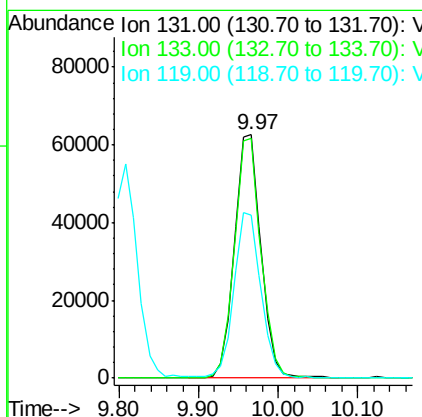
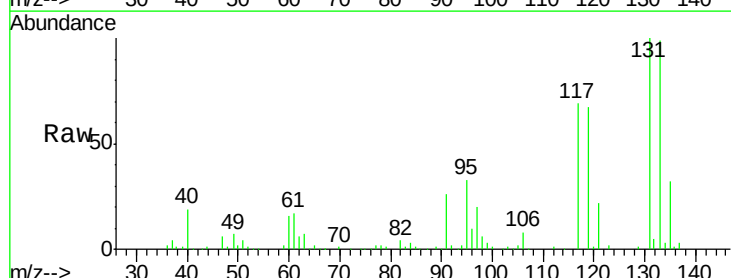
Manual Integrations
APPROVED

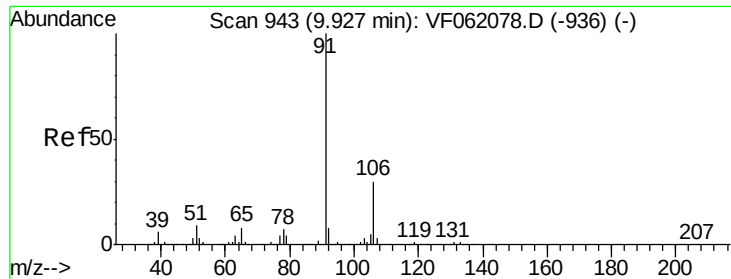
MMDadoda
3/27/2019 11:57:11 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.990 ug/l
RT: 9.97 min Scan# 947
Delta R.T. 0.00 min
Lab File: VF062078.D
Acq: 22 Mar 2019 12:25

Tgt Ion:131 Resp: 145011
Ion Ratio Lower Upper
131 100
133 98.5 49.3 147.8
119 66.9 33.5 100.4





#67

Ethyl Benzene

Concen: 50.134 ug/l

RT: 9.93 min Scan# 943

Delta R.T. 0.00 min

Lab File: VF062078.D

Acq: 22 Mar 2019 12:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 617287

Ion Ratio Lower Upper

91 100

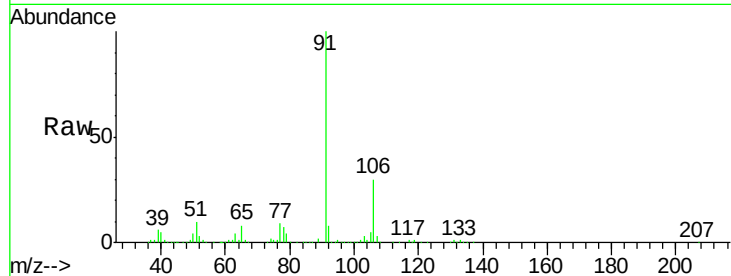
106 30.0 24.0 36.0

Manual Integrations

APPROVED

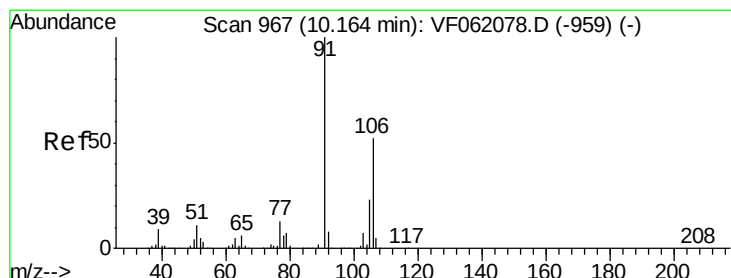
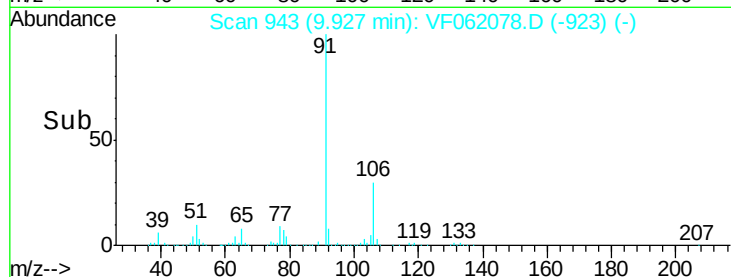
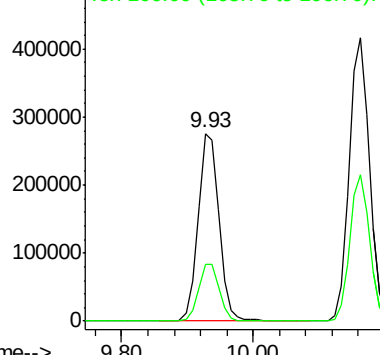
MMDadoda

3/27/2019 11:57:11 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: 99.515 ug/l

RT: 10.16 min Scan# 967

Delta R.T. 0.00 min

Lab File: VF062078.D

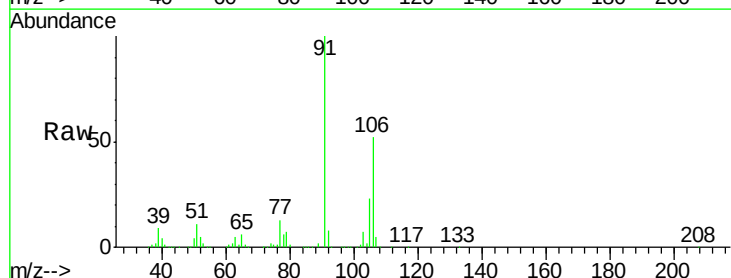
Acq: 22 Mar 2019 12:25

Tgt Ion: 106 Resp: 457967

Ion Ratio Lower Upper

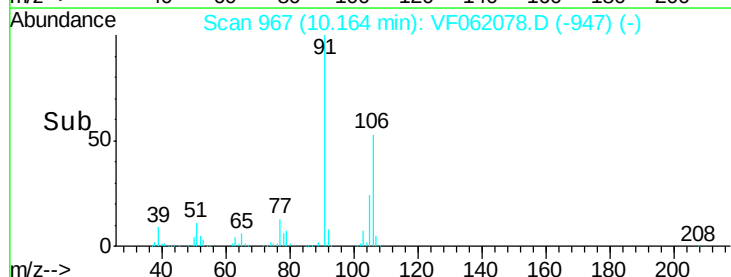
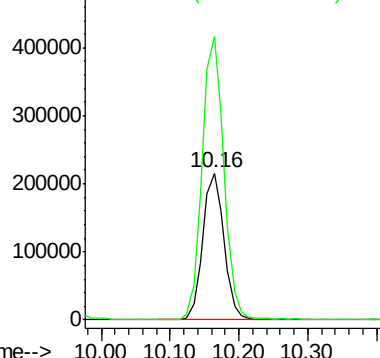
106 100

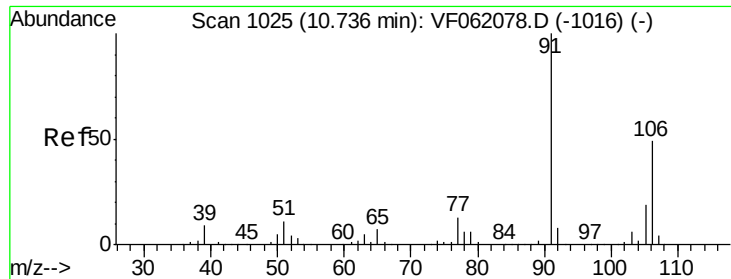
91 193.0 154.4 231.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





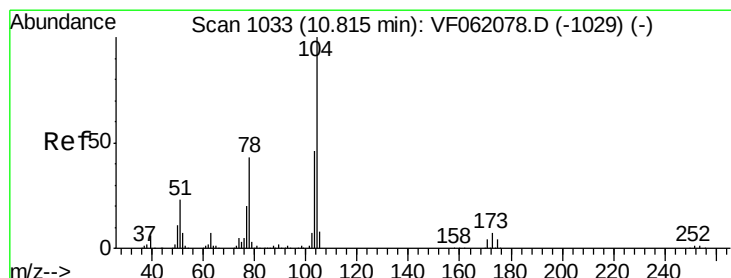
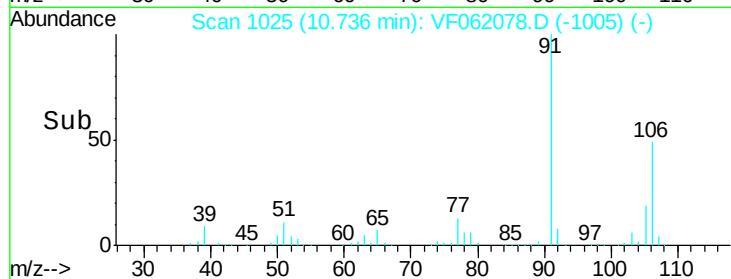
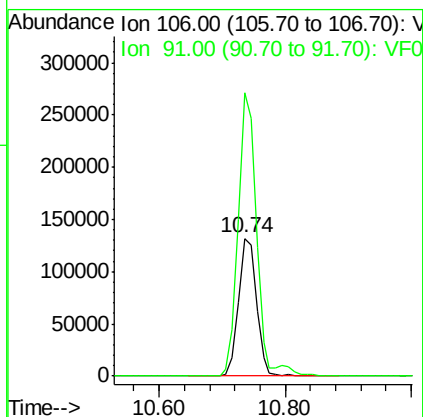
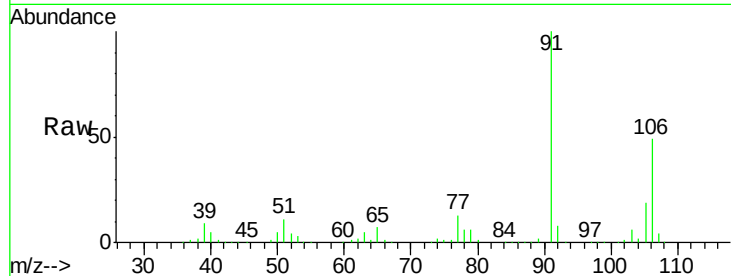
#69
o-Xylene
Concen: 53.600 ug/l
RT: 10.74 min Scan# 1025
Delta R.T. 0.00 min
Lab File: VF062078.D
Acq: 22 Mar 2019 12:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 258348
Ion Ratio Lower Upper
106 100
91 205.2 102.6 307.8

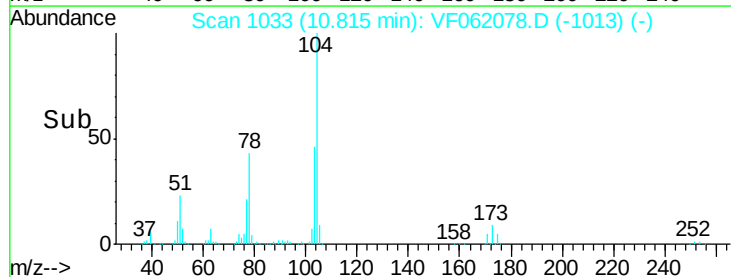
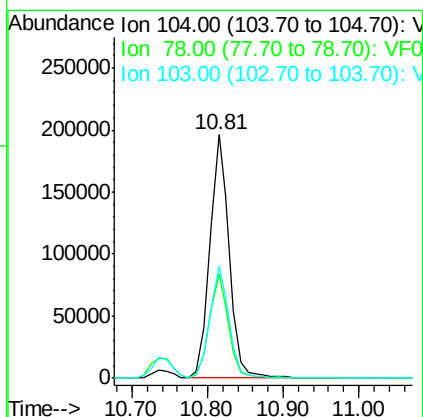
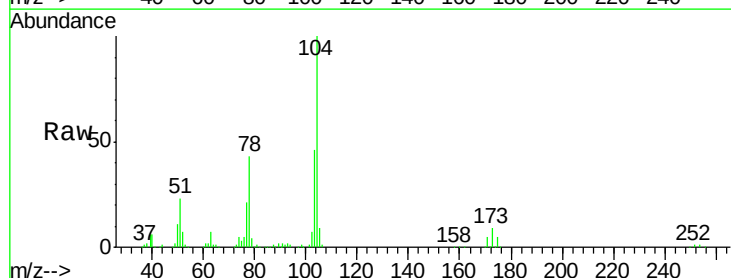
Manual Integrations
APPROVED

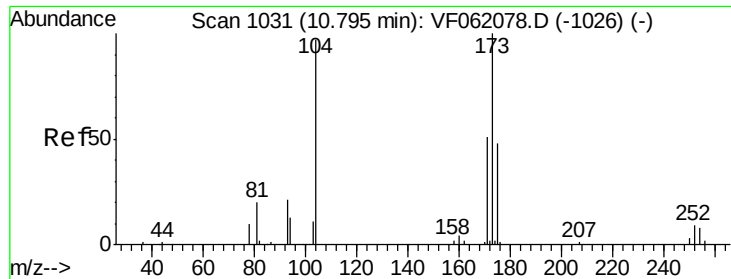
MMDadoda
3/27/2019 11:57:11 AM



#70
Styrene
Concen: 48.185 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VF062078.D
Acq: 22 Mar 2019 12:25

Tgt Ion:104 Resp: 351891
Ion Ratio Lower Upper
104 100
78 42.9 34.3 51.5
103 46.1 36.9 55.3





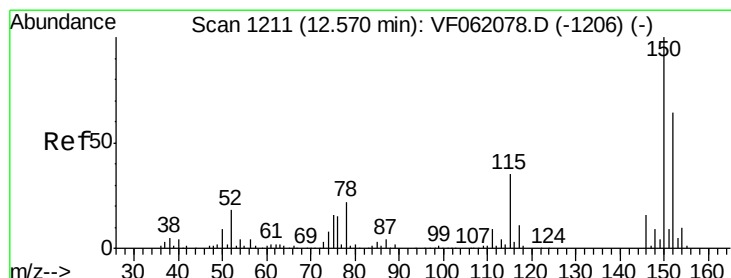
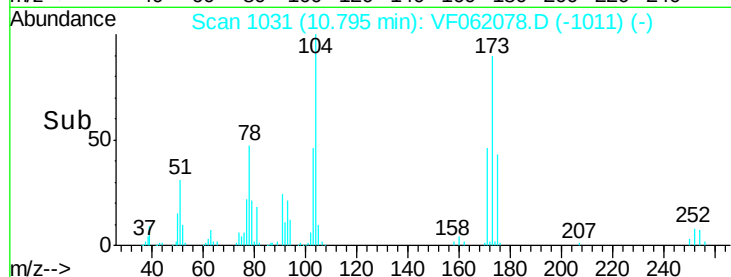
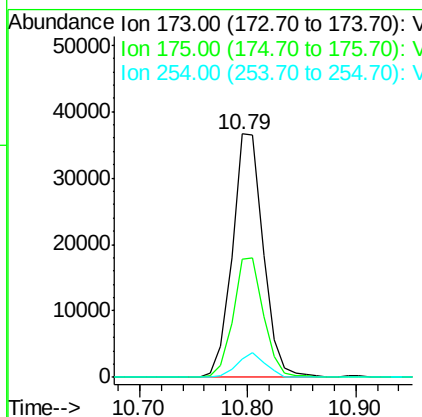
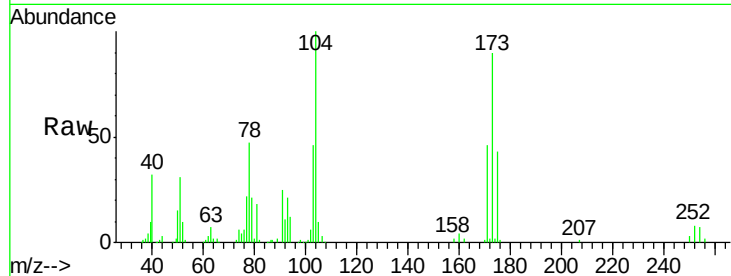
#71
Bromoform
Concen: 50.129 ug/l
RT: 10.79 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VF062078.D
Acq: 22 Mar 2019 12:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.4
254	7.8	6.2	9.4

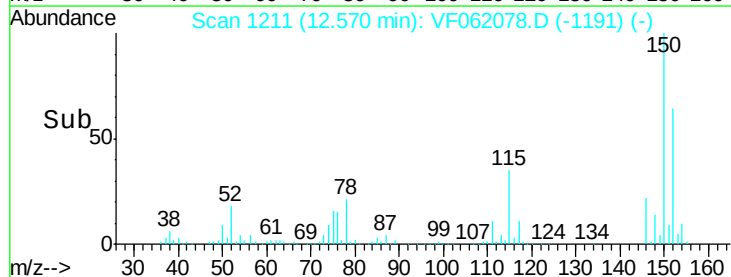
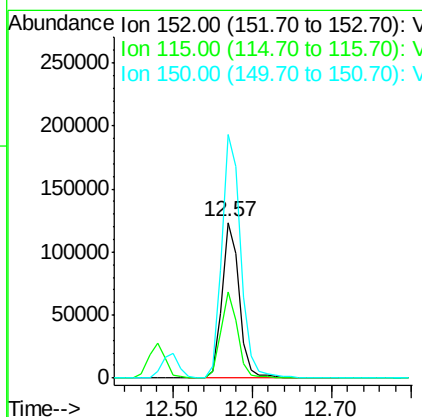
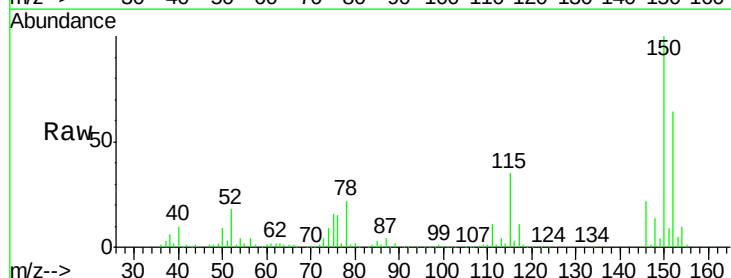
Manual Integrations
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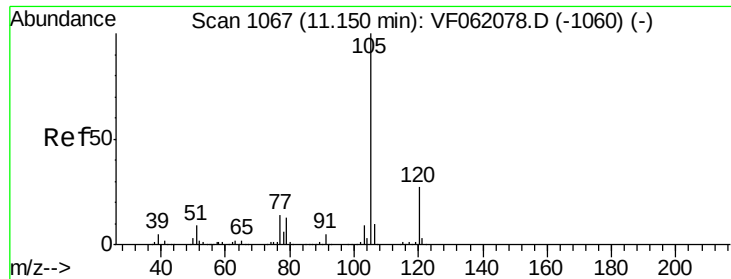
MMDadoda
3/27/2019 11:57:11 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1211
Delta R.T. 0.00 min
Lab File: VF062078.D
Acq: 22 Mar 2019 12:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	27.7	83.1
150	156.6	0.0	313.2





#73

Isopropylbenzene

Concen: 51.589 ug/l

RT: 11.15 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VF062078.D

Acq: 22 Mar 2019 12:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 691877

Ion Ratio Lower Upper

105 100

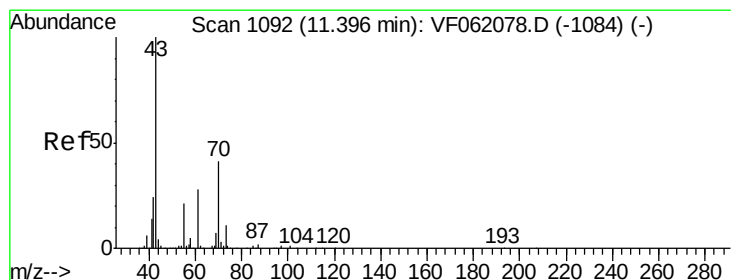
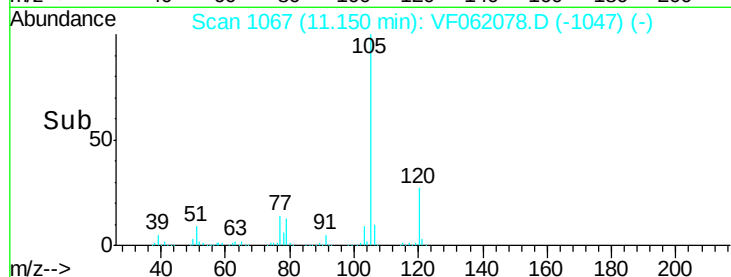
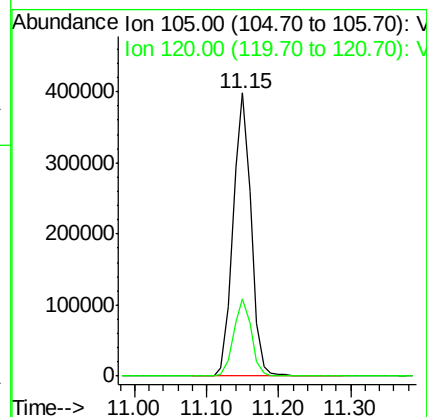
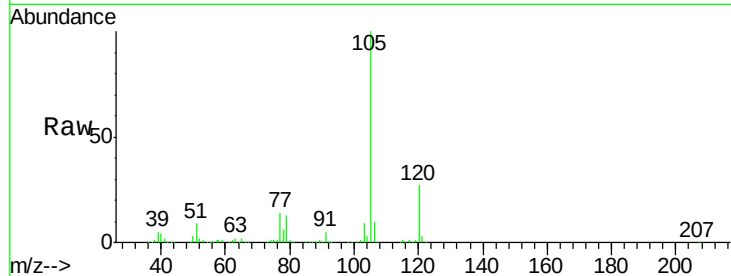
120 27.5 13.8 41.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 52.968 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VF062078.D

Acq: 22 Mar 2019 12:25

Tgt Ion: 43 Resp: 169267

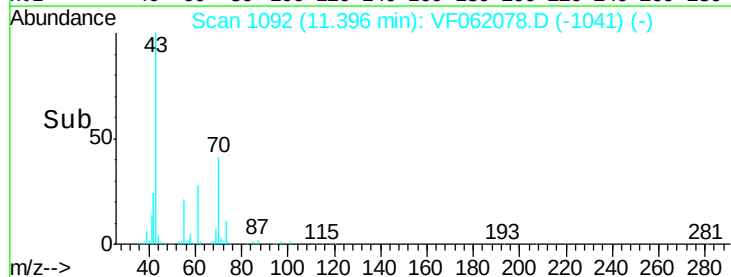
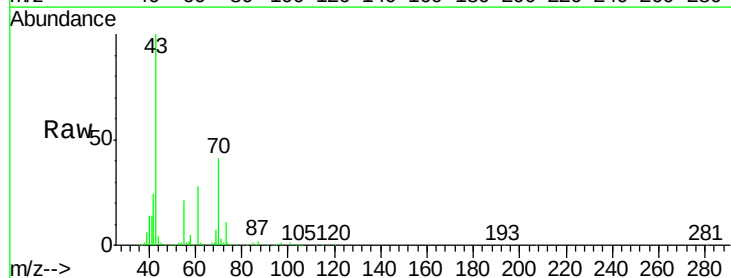
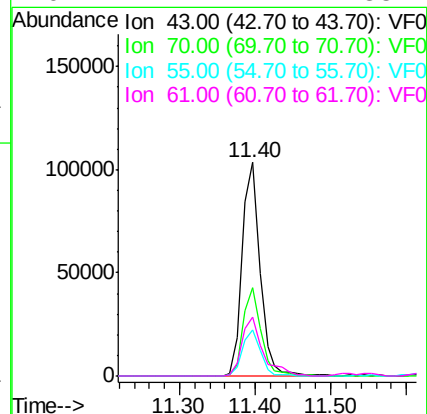
Ion Ratio Lower Upper

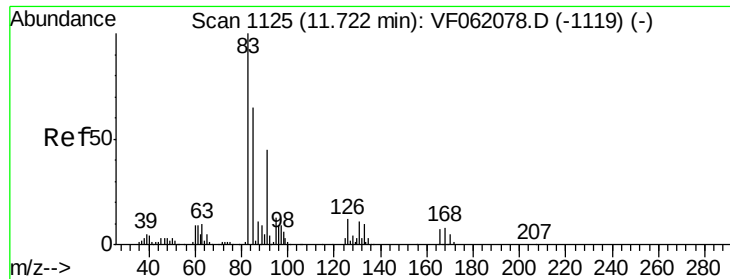
43 100

70 41.1 32.9 49.3

55 21.4 17.1 25.7

61 27.7 22.2 33.2





#75

1,1,2,2-Tetrachloroethane

Concen: 52.741 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VF062078.D

Acq: 22 Mar 2019 12:25

Instrument :

MSVOA_F

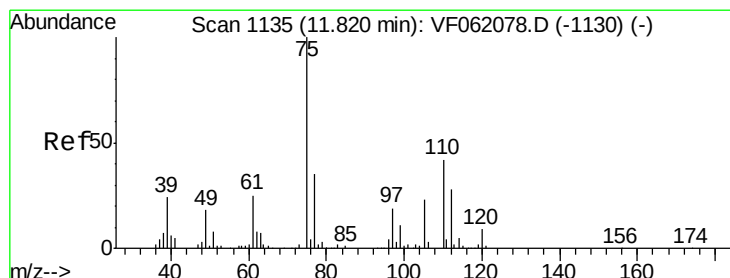
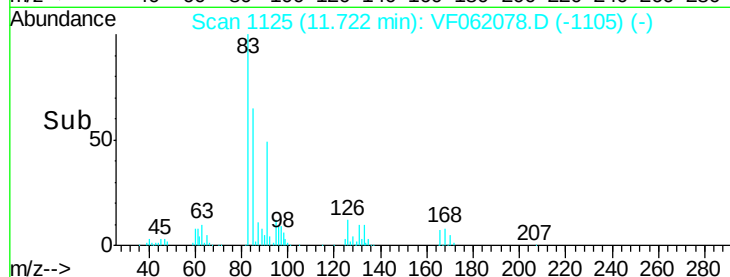
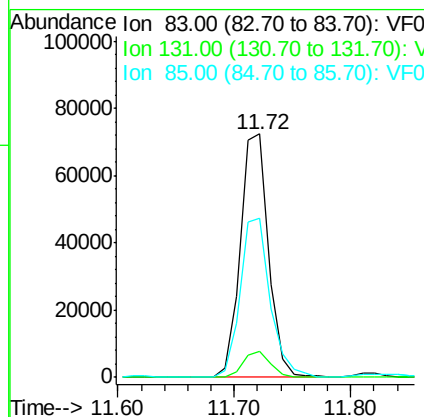
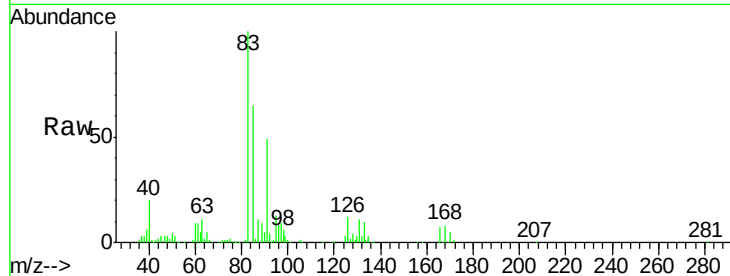
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	121450
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.8
85	65.3	32.6	98.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.607 ug/l

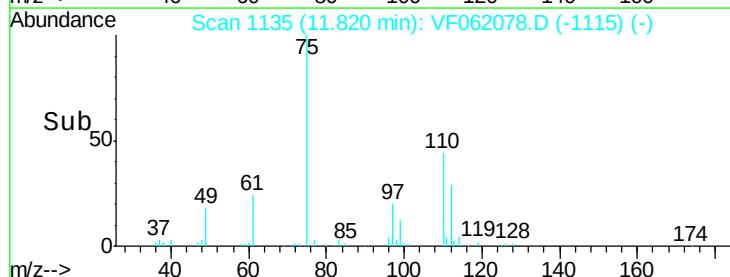
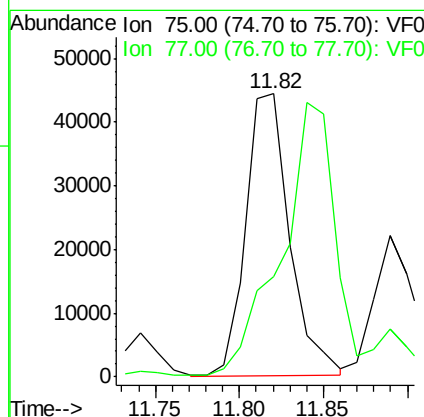
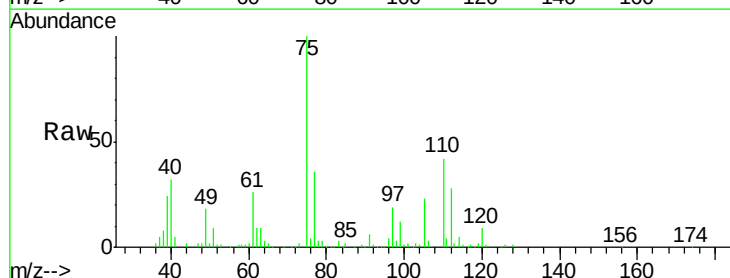
RT: 11.82 min Scan# 1135

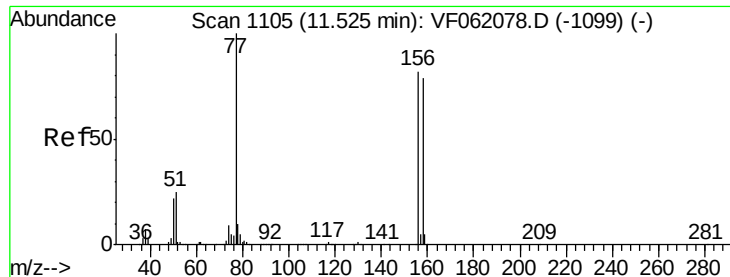
Delta R.T. 0.00 min

Lab File: VF062078.D

Acq: 22 Mar 2019 12:25

Tgt Ion:	75	Resp:	80393
Ion Ratio	Lower	Upper	
75	100		
77	35.5	17.8	53.3





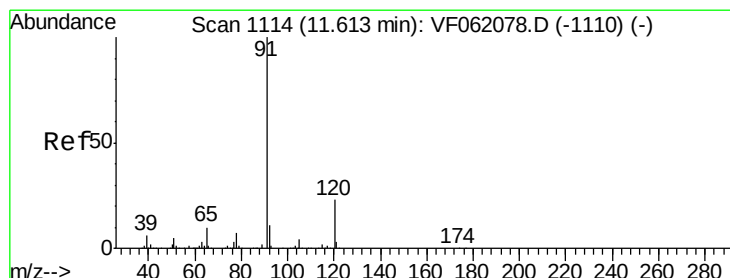
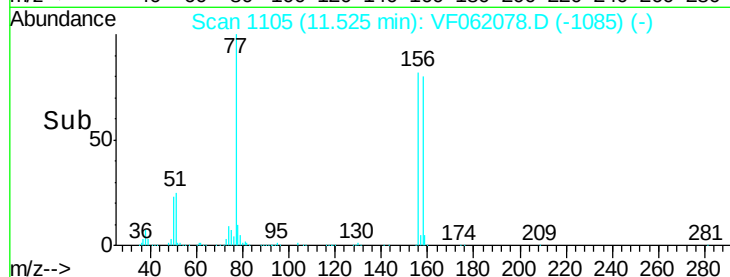
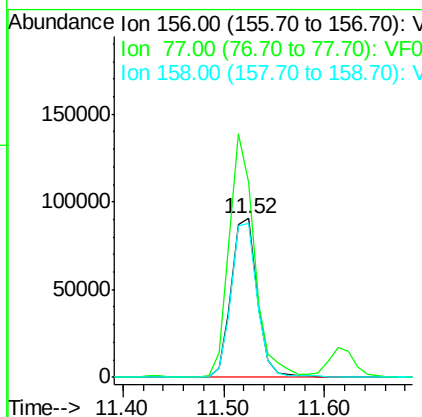
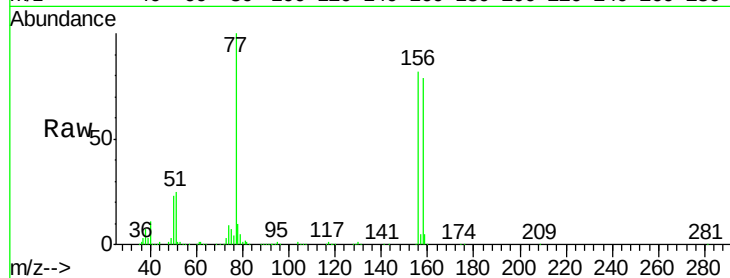
#77
Bromobenzene
Concen: 49.606 ug/l
RT: 11.52 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VF062078.D
Acq: 22 Mar 2019 12:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	122.6	61.3	183.9
158	97.3	48.6	145.9

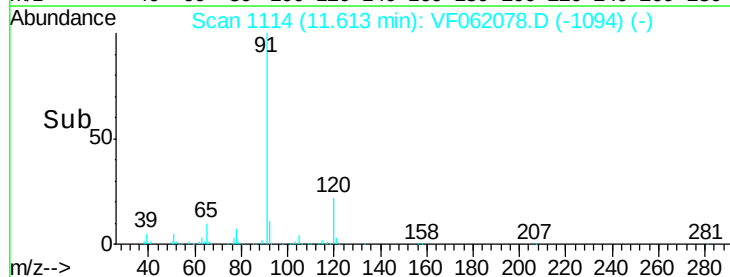
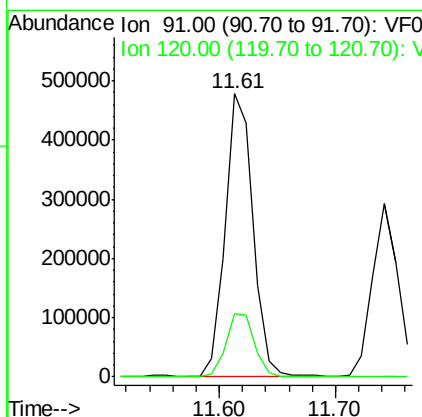
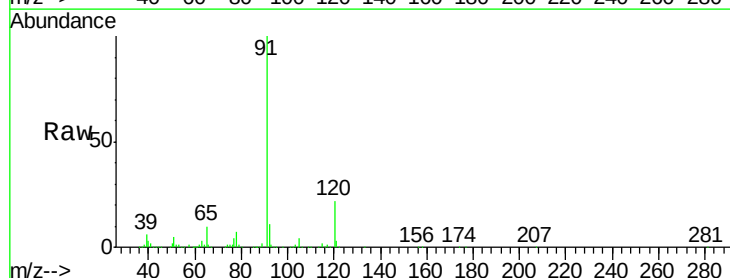
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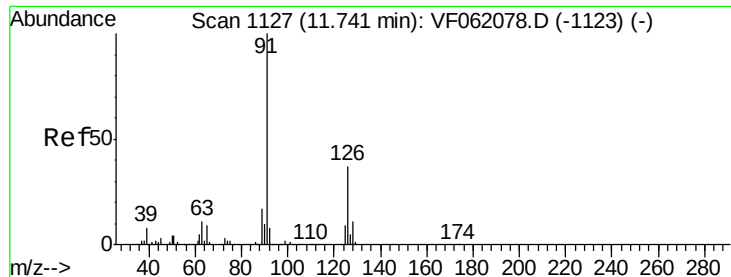
MMDadoda
3/27/2019 11:57:11 AM



#78
n-propylbenzene
Concen: 50.536 ug/l
RT: 11.61 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VF062078.D
Acq: 22 Mar 2019 12:25

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.3	33.8





#79

2-Chlorotoluene

Concen: 51.727 ug/l

RT: 11.74 min Scan# 1127

Delta R.T. 0.00 min

Lab File: VF062078.D

Acq: 22 Mar 2019 12:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 447740

Ion Ratio Lower Upper

91 100

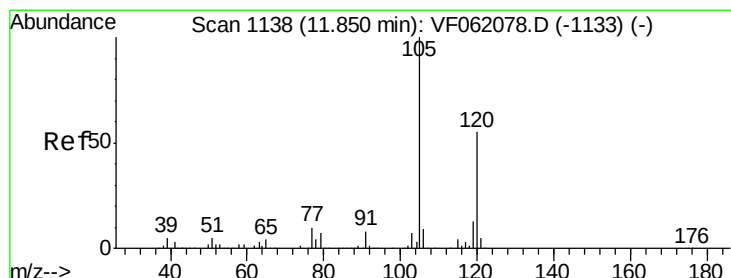
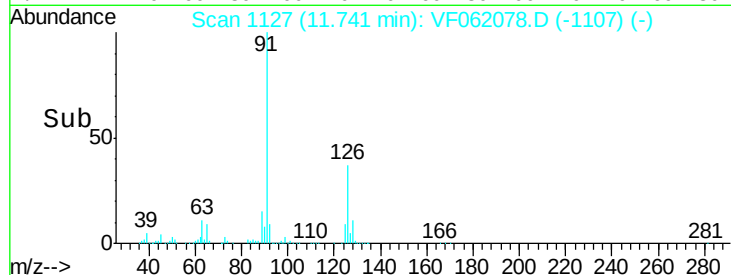
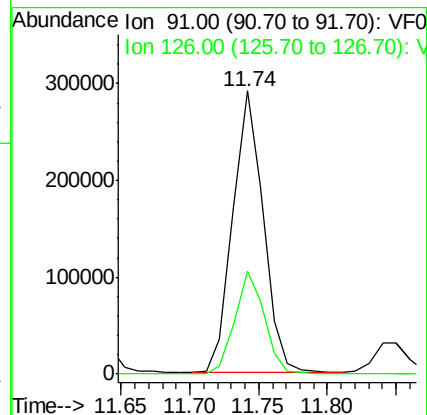
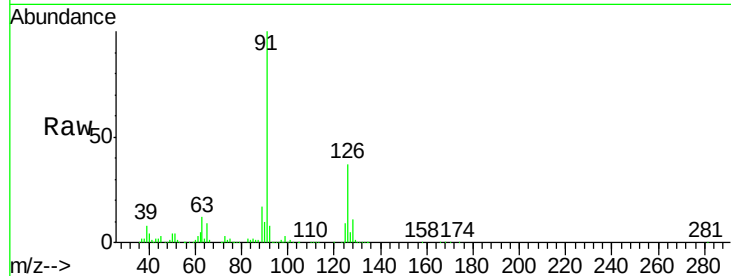
126 36.5 18.3 54.8

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#80

1,3,5-Trimethylbenzene

Concen: 52.017 ug/l

RT: 11.85 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VF062078.D

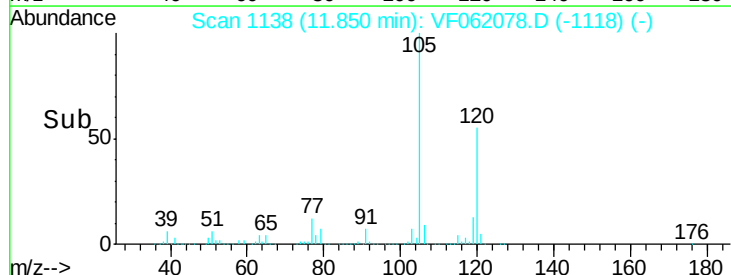
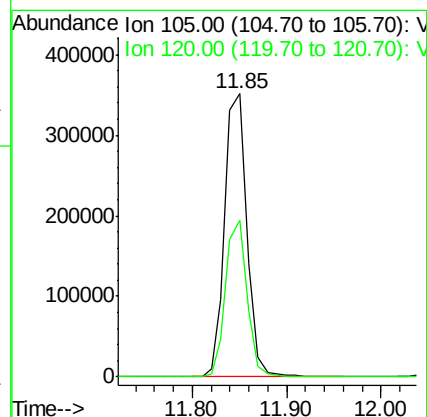
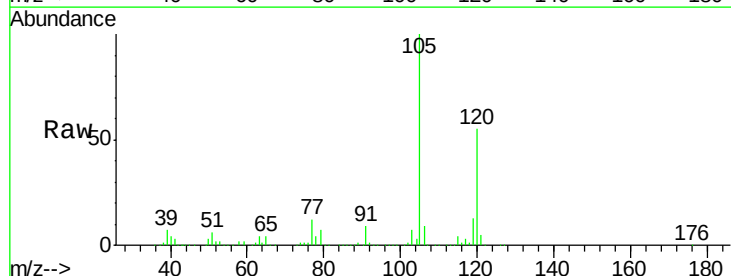
Acq: 22 Mar 2019 12:25

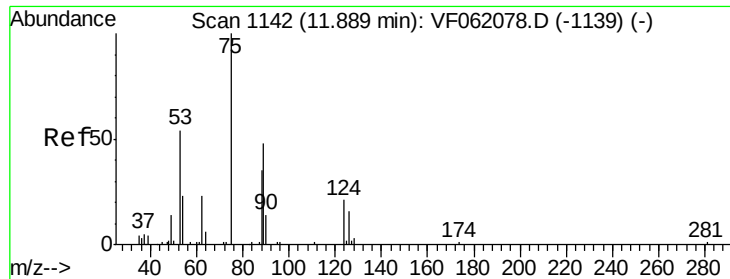
Tgt Ion: 105 Resp: 573827

Ion Ratio Lower Upper

105 100

120 55.5 27.8 83.3





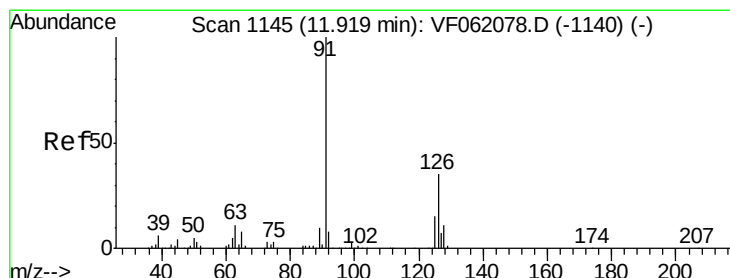
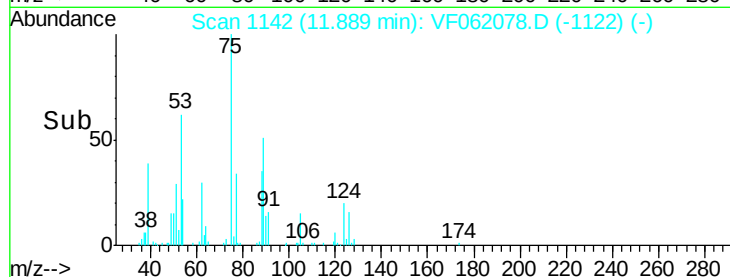
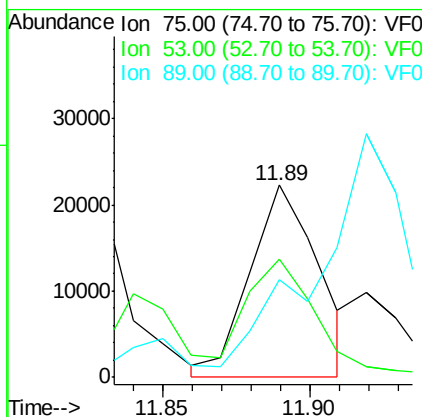
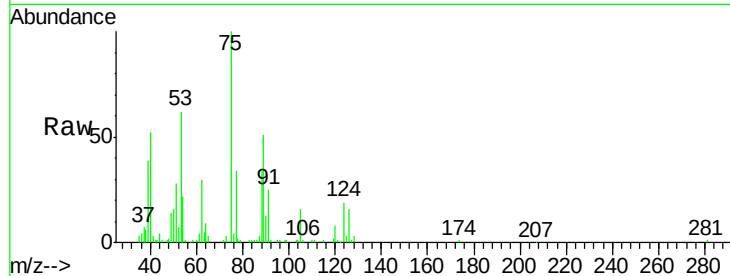
#81
trans-1,4-Dichloro-2-butene
Concen: 41.060 ug/l m
RT: 11.89 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VF062078.D
Acq: 22 Mar 2019 12:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	61.7	49.4	74.0
89	50.7	40.6	60.8

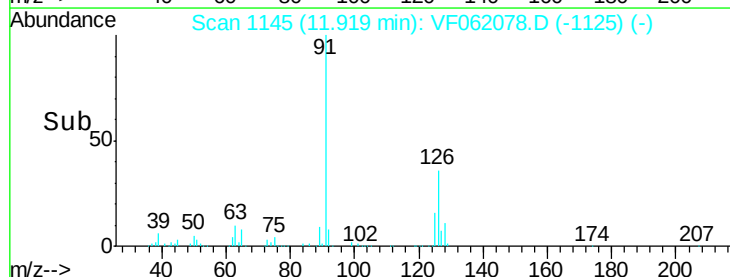
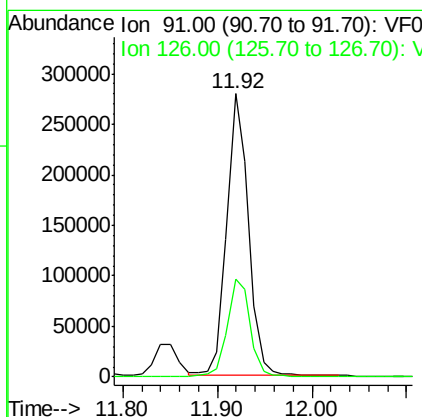
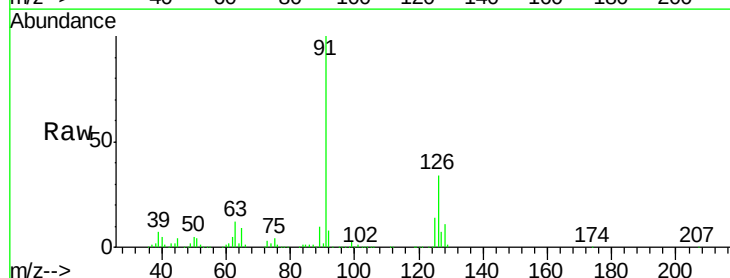
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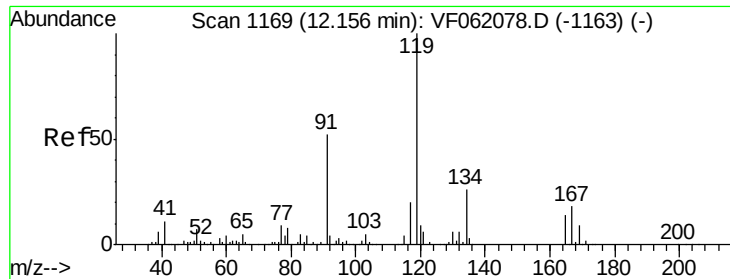
MMDadoda
3/27/2019 11:57:11 AM



#82
4-Chlorotoluene
Concen: 49.896 ug/l
RT: 11.92 min Scan# 1145
Delta R.T. 0.00 min
Lab File: VF062078.D
Acq: 22 Mar 2019 12:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.2	51.6





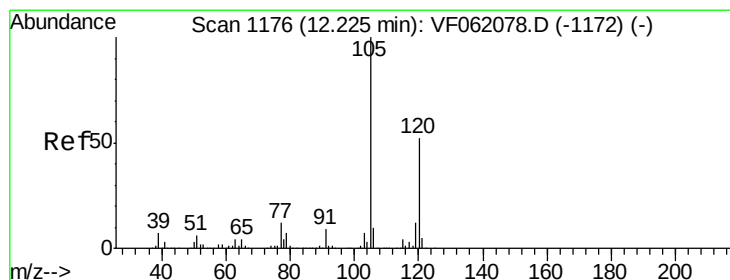
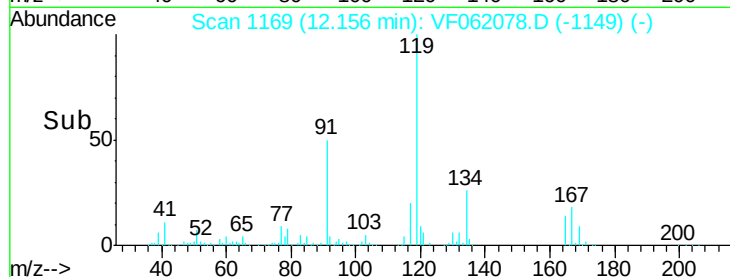
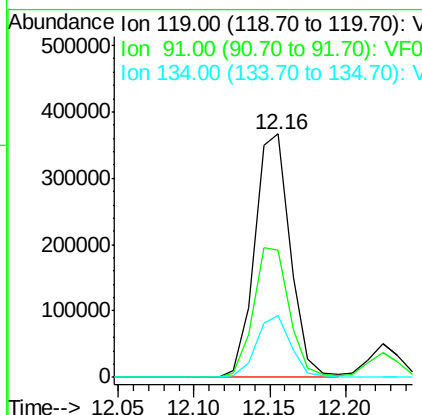
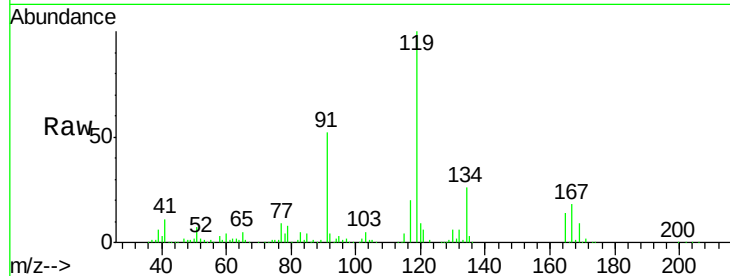
#83
 tert-Butylbenzene
 Concen: 52.302 ug/l
 RT: 12.16 min Scan# 1169
 Delta R.T. 0.00 min
 Lab File: VF062078.D
 Acq: 22 Mar 2019 12:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	52.1	26.1	78.2
134	25.6	12.8	38.4

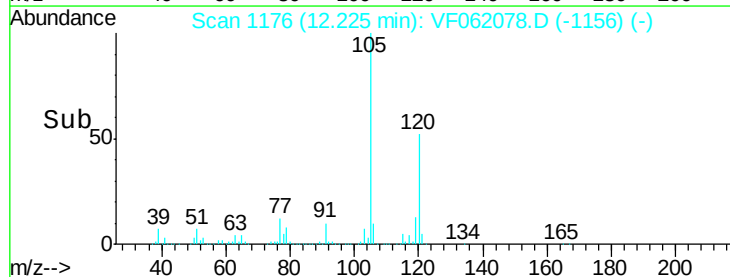
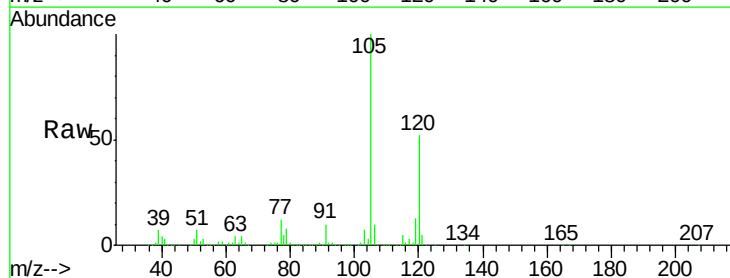
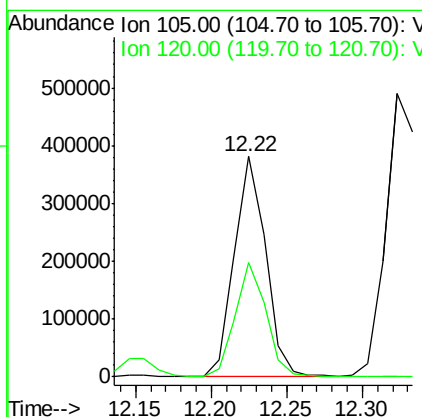
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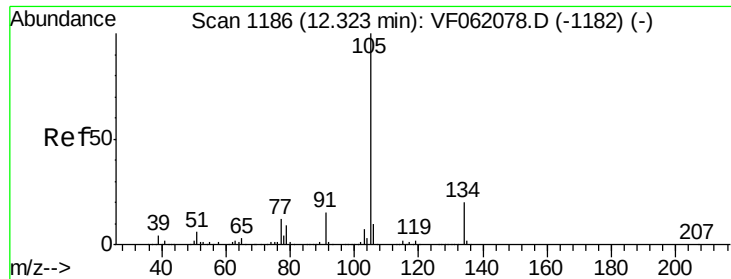
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 3/27/2019 11:57:11 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.007 ug/l
 RT: 12.22 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VF062078.D
 Acq: 22 Mar 2019 12:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	52.1	26.1	78.2





#85

sec-Butylbenzene

Concen: 51.422 ug/l

RT: 12.32 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VF062078.D

Acq: 22 Mar 2019 12:25

Instrument :

MSVOA_F

ClientSampled :

VSTDICCC050

Tot Ion:105 Resp: 768189

Ion Ratio Lower Upper

105 100

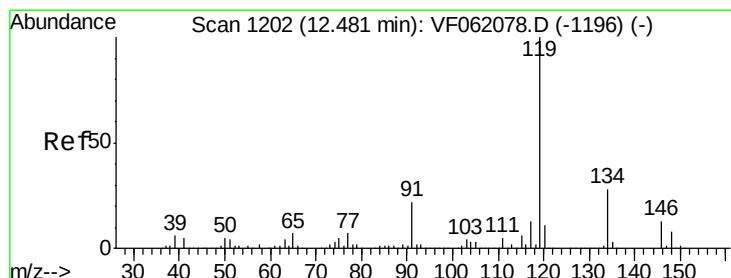
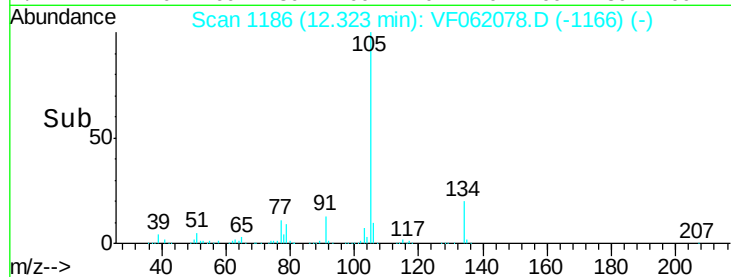
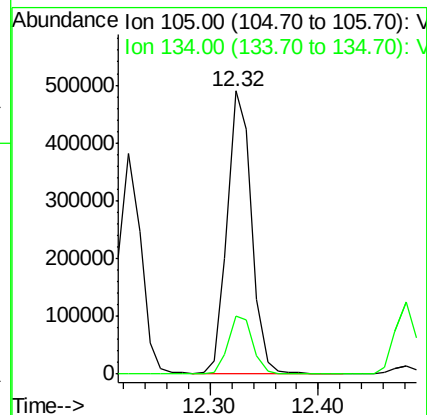
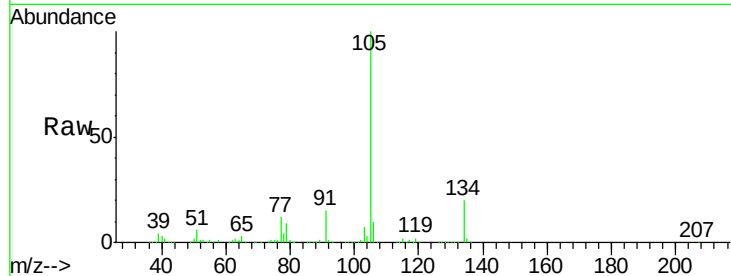
134 20.3 10.2 30.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 49.523 ug/l

RT: 12.48 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VF062078.D

Acq: 22 Mar 2019 12:25

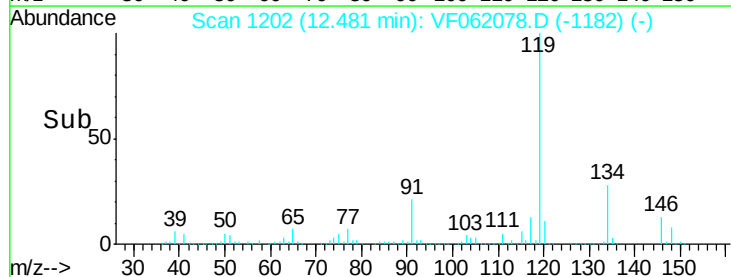
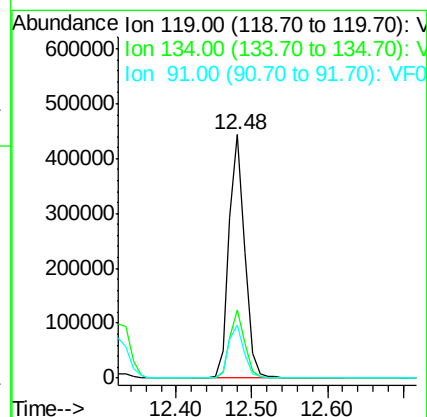
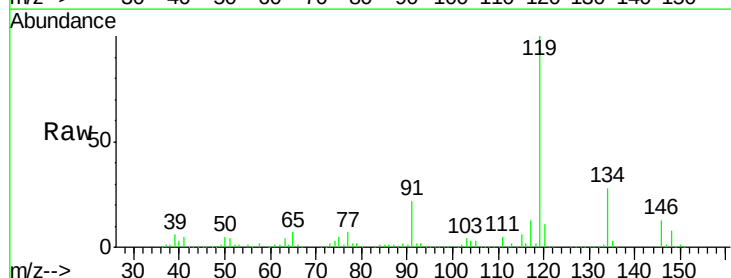
Tgt Ion:119 Resp: 640960

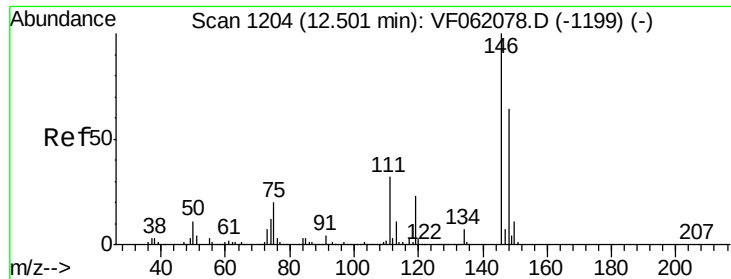
Ion Ratio Lower Upper

119 100

134 28.0 14.0 42.0

91 21.6 10.8 32.4





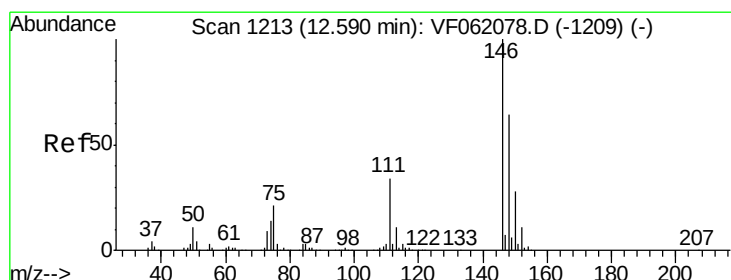
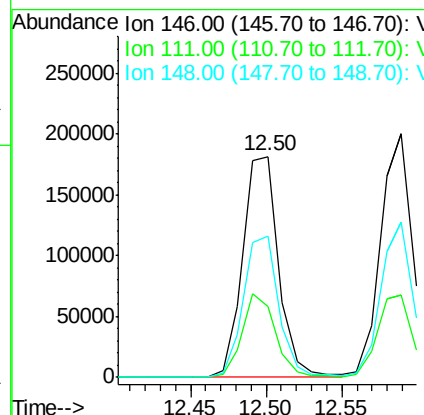
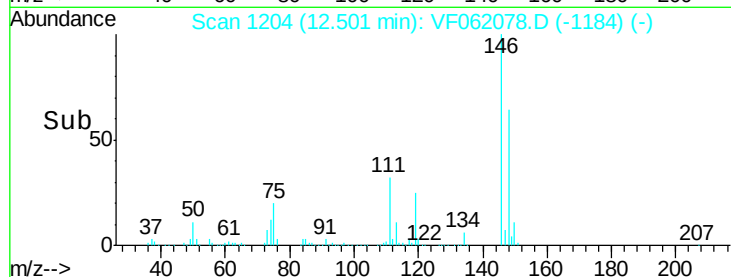
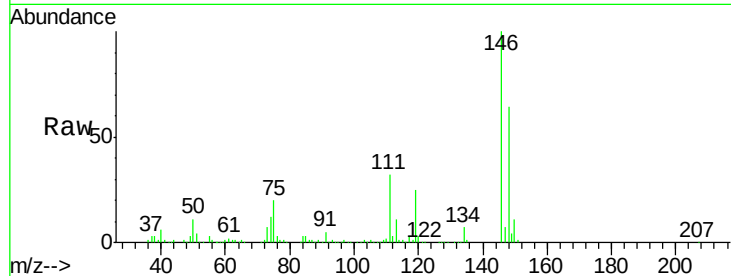
#87
 1,3-Dichlorobenzene
 Concen: 49.204 ug/l
 RT: 12.50 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: VF062078.D
 Acq: 22 Mar 2019 12:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	32.2	16.1	48.3
148	63.8	31.9	95.7

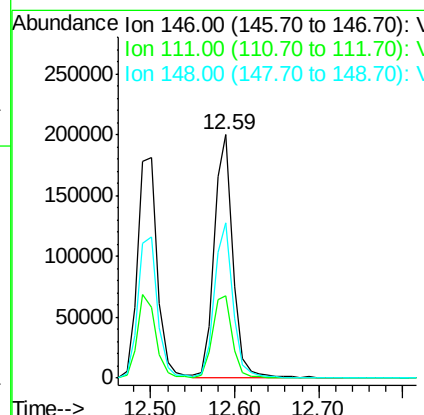
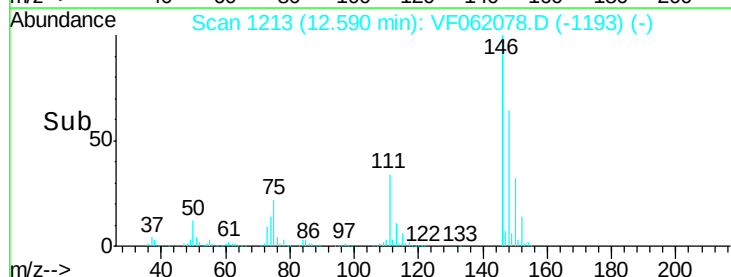
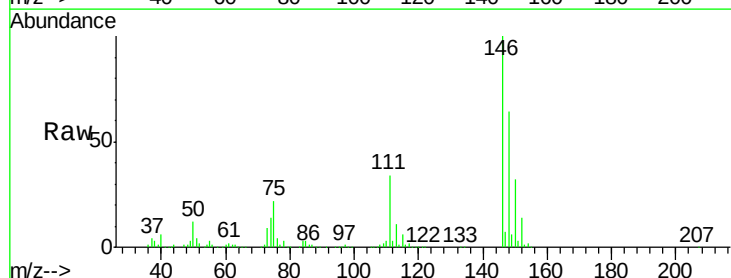
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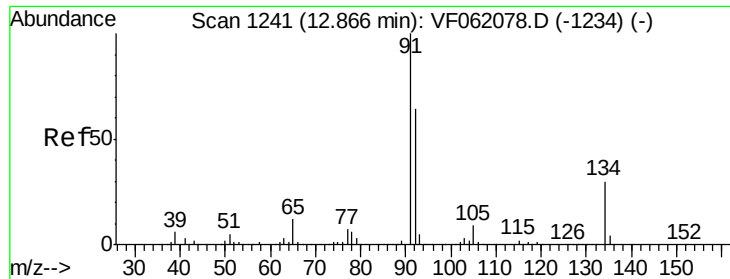
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 51.805 ug/l
 RT: 12.59 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: VF062078.D
 Acq: 22 Mar 2019 12:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.7	16.9	50.6
148	63.8	31.9	95.7





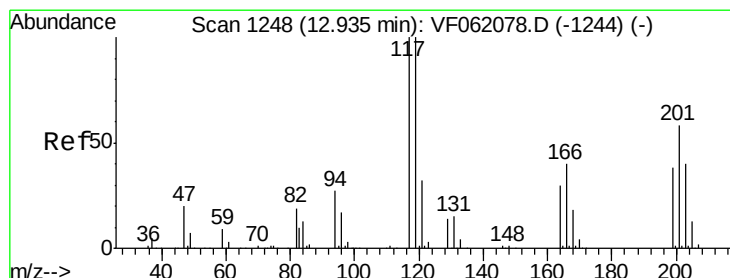
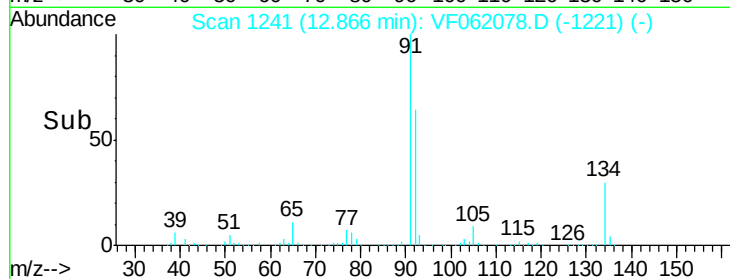
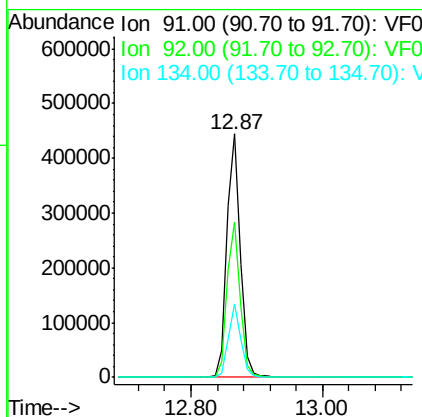
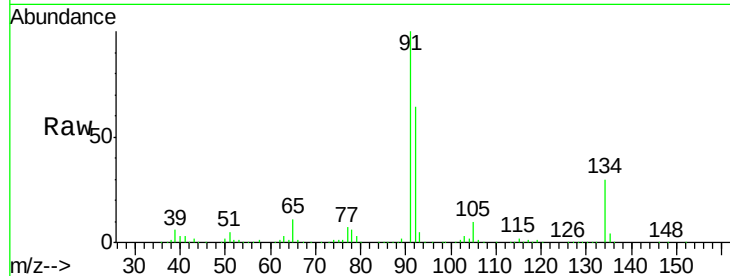
#89
n-Butylbenzene
Concen: 51.542 ug/l
RT: 12.87 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VF062078.D
Acq: 22 Mar 2019 12:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		636453		
92	63.7	31.9	95.5		
134	29.9	14.9	44.9		

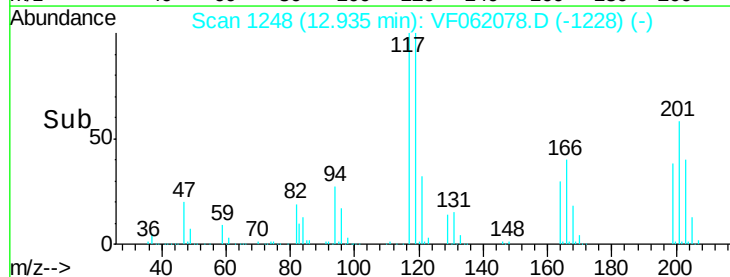
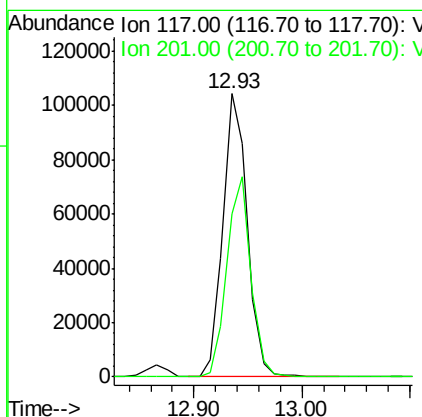
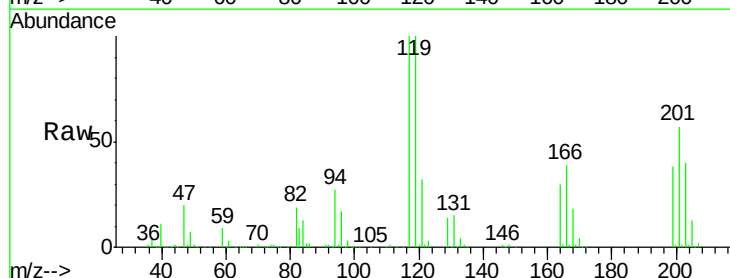
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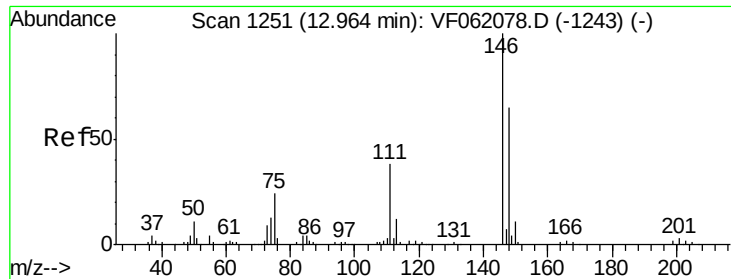
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#90
Hexachloroethane
Concen: 52.998 ug/l
RT: 12.93 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VF062078.D
Acq: 22 Mar 2019 12:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		163332		
201	57.4	28.7	86.1		





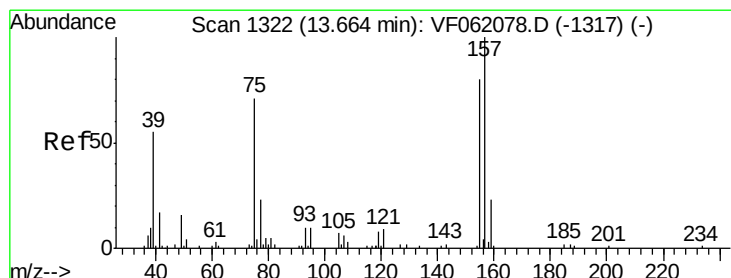
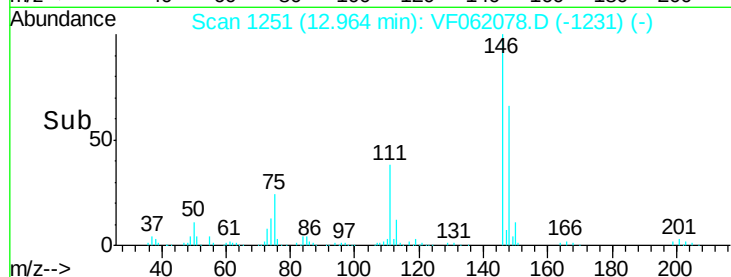
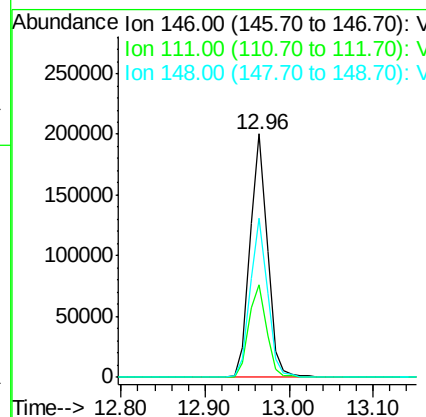
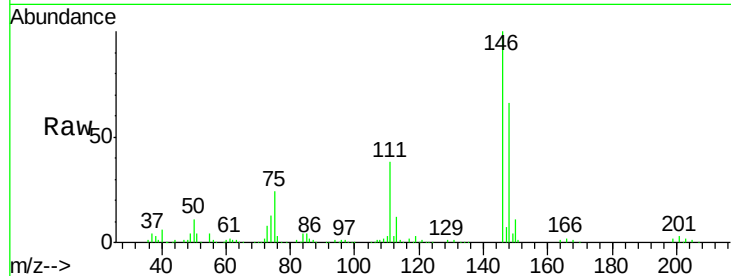
#91
 1,2-Dichlorobenzene
 Concen: 50.966 ug/l
 RT: 12.96 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VF062078.D
 Acq: 22 Mar 2019 12:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.3
148	65.5	32.8	98.3

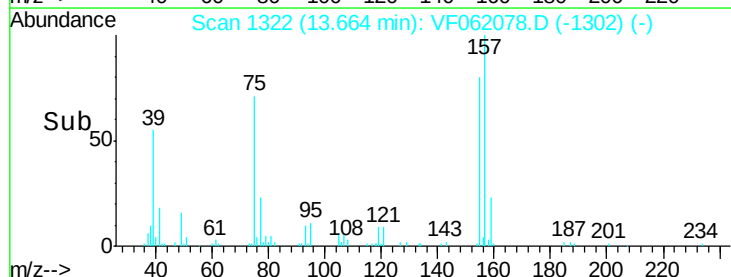
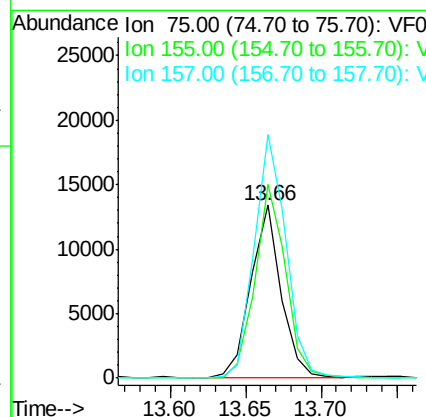
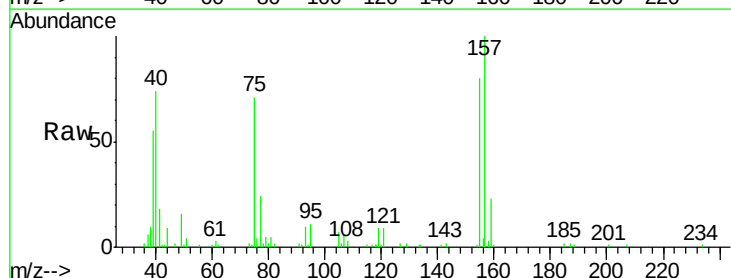
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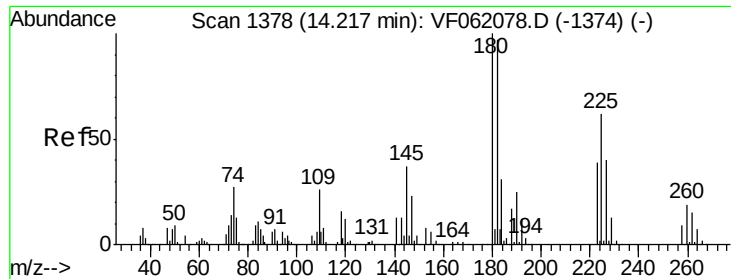
MMDadoda
 3/27/2019 11:57:11 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.948 ug/l
 RT: 13.66 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VF062078.D
 Acq: 22 Mar 2019 12:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	112.3	56.1	168.4
157	140.8	70.4	211.2





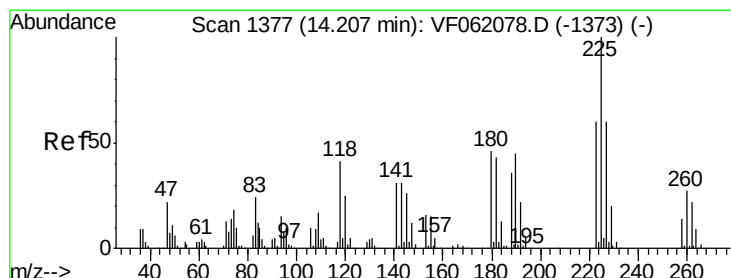
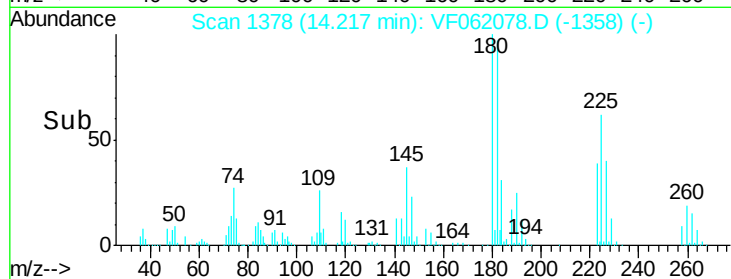
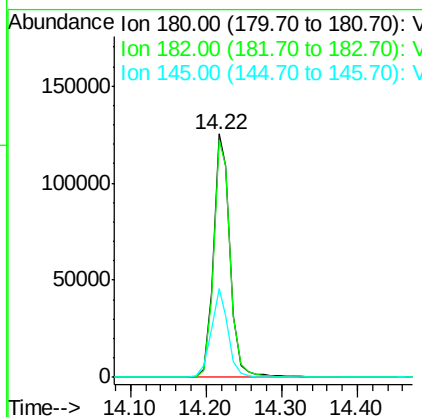
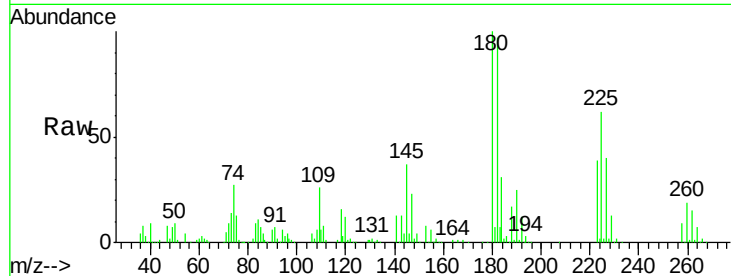
#93
 1,2,4-Trichlorobenzene
 Concen: 49.171 ug/l
 RT: 14.22 min Scan# 1378
 Delta R.T. 0.00 min
 Lab File: VF062078.D
 Acq: 22 Mar 2019 12:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	195891		
182	97.4	48.7	146.1	
145	36.5	18.3	54.8	

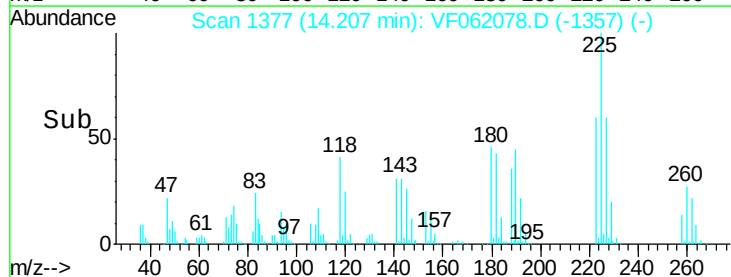
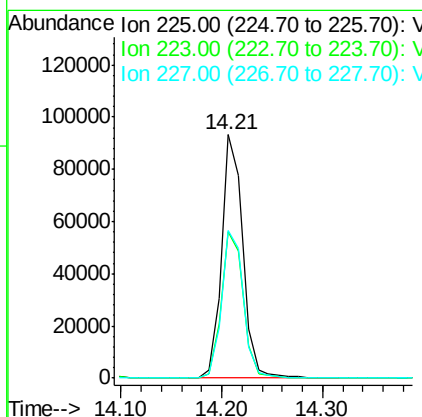
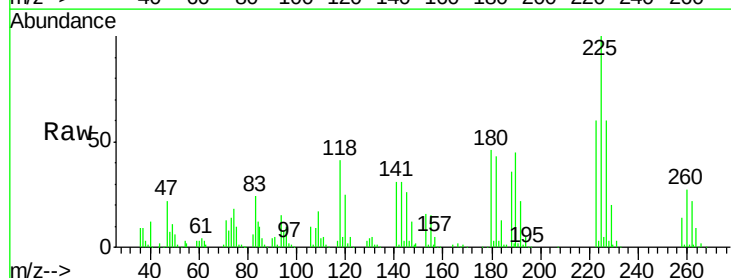
Manual Integrations
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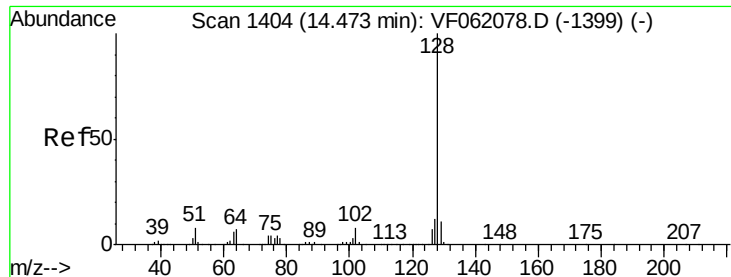
MMDadoda
 3/27/2019 11:57:11 AM



#94
 Hexachlorobutadiene
 Concen: 51.471 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VF062078.D
 Acq: 22 Mar 2019 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	136342		
223	60.0	30.0	90.0	
227	60.4	30.2	90.6	





#95

Naphthalene

Concen: 54.258 ug/l

RT: 14.47 min Scan# 1404

Delta R.T. 0.00 min

Lab File: VF062078.D

Acq: 22 Mar 2019 12:25

Instrument :

MSVOA_F

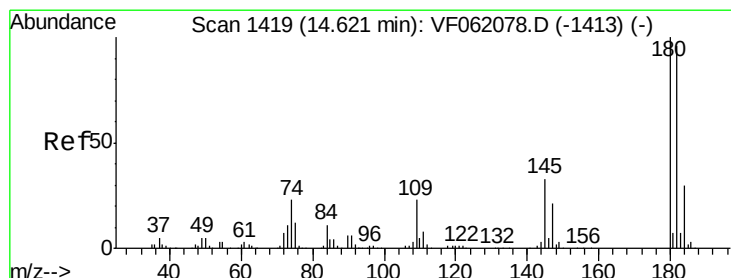
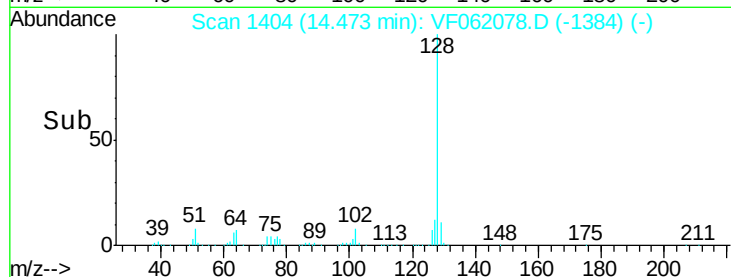
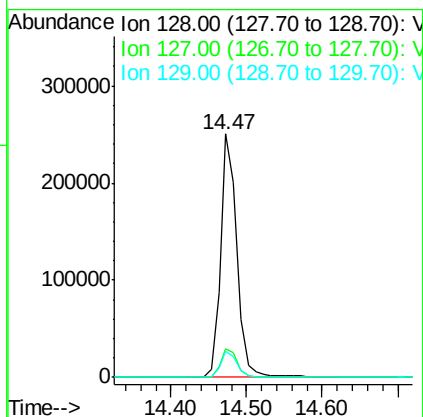
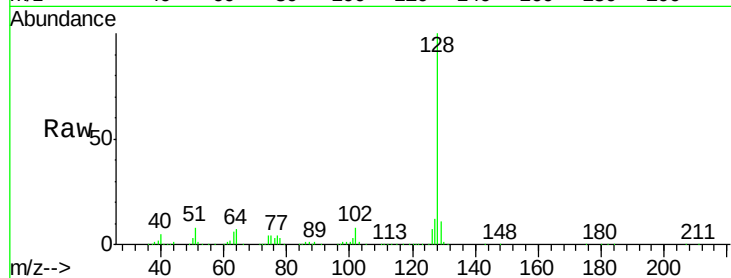
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	378797
Ion Ratio	Lower	Upper	
128	100		
127	11.9	9.5	14.3
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/27/2019 11:57:11 AM



#96

1,2,3-Trichlorobenzene

Concen: 51.681 ug/l

RT: 14.62 min Scan# 1419

Delta R.T. 0.00 min

Lab File: VF062078.D

Acq: 22 Mar 2019 12:25

Tgt Ion:	180	Resp:	192723
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.9	143.7
145	33.1	16.6	49.7

