

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051319\
 Data File : VF062559.D
 Acq On : 13 May 2019 23:23
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/14/2019 11:34:44 AM

Quant Time: May 14 09:03:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	318618	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.79	114	416661	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.93	117	370612	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	229600	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	164929	54.77	ug/l	0.03
Spiked Amount 50.000			Recovery	=	109.54%	
35) Dibromofluoromethane	4.33	113	190825	57.49	ug/l	0.03
Spiked Amount 50.000			Recovery	=	114.98%	
50) Toluene-d8	7.73	98	450597	56.08	ug/l	0.03
Spiked Amount 50.000			Recovery	=	112.16%	
62) 4-Bromofluorobenzene	11.51	95	209266	57.73	ug/l	0.02
Spiked Amount 50.000			Recovery	=	115.46%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.01	85	153787	41.705	ug/l	99
3) Chloromethane	1.15	50	108265	44.517	ug/l	96
4) Vinyl Chloride	1.20	62	107643	44.374	ug/l	100
5) Bromomethane	1.40	94	89577	48.882	ug/l	100
6) Chloroethane	1.45	64	59070	48.435	ug/l	98
7) Trichlorofluoromethane	1.56	101	262059	52.067	ug/l	95
8) Diethyl Ether	1.72	74	37508	49.252	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.92	101	138765	48.292	ug/l	93
10) Methyl Iodide	1.99	142	242260	51.160	ug/l	99
11) Tert butyl alcohol	2.71	59	39391	231.470	ug/l	99
12) 1,1-Dichloroethene	1.88	96	110087	45.066	ug/l	98
13) Acrolein	2.12	56	27786	265.455	ug/l	100
14) Allyl chloride	2.21	41	160498m	74.378	ug/l	
15) Acrylonitrile	3.10	53	85182	264.245	ug/l	94
16) Acetone	2.36	43	141006	231.492	ug/l	99
17) Carbon Disulfide	1.92	76	213561	40.095	ug/l	97
18) Methyl Acetate	2.47	43	59262	53.573	ug/l	98
19) Methyl tert-butyl Ether	2.56	73	241275	47.848	ug/l	94
20) Methylene Chloride	2.34	84	111347m	50.525	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	110197	47.348	ug/l	96
22) Diisopropyl ether	2.95	45	335704	49.776	ug/l	98
23) Vinyl Acetate	3.36	43	734929	244.500	ug/l	98
24) 1,1-Dichloroethane	3.03	63	215513	52.872	ug/l	99
25) 2-Butanone	4.54	43	182835	238.922	ug/l	98
26) 2,2-Dichloropropane	3.79	77	131990	57.985	ug/l	98
27) cis-1,2-Dichloroethene	3.66	96	148728	51.122	ug/l	98
28) Bromochloromethane	3.93	49	96963	52.452	ug/l	94
29) Tetrahydrofuran	4.28	42	83046	236.123	ug/l	99
30) Chloroform	4.08	83	289916	52.647	ug/l	93
31) Cyclohexane	3.90	56	148783	45.731	ug/l	98
32) 1,1,1-Trichloroethane	4.31	97	249219	52.805	ug/l	99
36) 1,1-Dichloropropene	4.50	75	176061	49.189	ug/l	98
37) Ethyl Acetate	4.32	43	76410	55.390	ug/l #	98
38) Carbon Tetrachloride	4.21	117	239460m	65.354	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	173855	48.432	ug/l	96
40) Benzene	4.85	78	400409	50.802	ug/l	97
41) Methacrylonitrile	4.95	41	41352	48.182	ug/l	92
42) 1,2-Dichloroethane	5.15	62	176641	53.585	ug/l	98
43) Isopropyl Acetate	7.13	43	80410	49.391	ug/l	93
44) Trichloroethene	5.70	130	154159	53.244	ug/l	99
45) 1,2-Dichloropropane	6.43	63	97449	54.586	ug/l	96
46) Dibromomethane	6.29	93	84085	56.807	ug/l	97
47) Bromodichloromethane	6.58	83	200996	54.313	ug/l	96
48) Methyl methacrylate	6.90	41	58396	50.757	ug/l	91
49) 1,4-Dioxane	6.90	88	9869	831.842	ug/l	88
51) 4-Methyl-2-Pentanone	8.42	43	337067	273.232	ug/l	99
52) Toluene	7.80	92	258399	53.143	ug/l	97
53) t-1,3-Dichloropropene	8.44	75	147012	52.524	ug/l	95
54) cis-1,3-Dichloropropene	7.48	75	173808	53.356	ug/l	96
55) 1,1,2-Trichloroethane	8.65	97	91945	59.567	ug/l	96
56) Ethyl methacrylate	8.78	69	80835	49.611	ug/l	99
57) 1,3-Dichloropropane	9.02	76	138247	59.294	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.47	63	118277	241.449	ug/l	97
59) 2-Hexanone	9.64	43	222982	261.354	ug/l	99
60) Dibromochloromethane	8.88	129	146334	57.965	ug/l	98
61) 1,2-Dibromoethane	9.15	107	100343	55.311	ug/l	97
64) Tetrachloroethene	8.33	164	149239	49.602	ug/l	95
65) Chlorobenzene	9.95	112	338487	55.200	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	161493	52.206	ug/l	99
67) Ethyl Benzene	10.05	91	558015	51.968	ug/l	97
68) m/p-Xylenes	10.28	106	409820	103.443	ug/l	100
69) o-Xylene	10.83	106	233160	54.464	ug/l	95
70) Styrene	10.91	104	331147	51.613	ug/l	99
71) Bromoform	10.89	173	90873	53.621	ug/l	97
73) Isopropylbenzene	11.22	105	693369	50.940	ug/l	99
74) N-amyl acetate	11.46	43	136317	46.648	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	121186	56.862	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	84843	52.179	ug/l #	100
77) Bromobenzene	11.59	156	189493	53.045	ug/l	99
78) n-propylbenzene	11.69	91	740611	51.106	ug/l	100
79) 2-Chlorotoluene	11.81	91	461510	51.215	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	573770	48.093	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	32603m	53.343	ug/l	
82) 4-Chlorotoluene	11.98	91	462639	51.982	ug/l	99
83) tert-Butylbenzene	12.21	119	615350	49.078	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	601340	51.506	ug/l	98
85) sec-Butylbenzene	12.38	105	799340	52.376	ug/l	99
86) p-Isopropyltoluene	12.53	119	712686	50.263	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	347679	53.290	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	327476	52.005	ug/l	99
89) n-Butylbenzene	12.91	91	639841	50.721	ug/l	99
90) Hexachloroethane	12.98	117	177899	50.249	ug/l	98
91) 1,2-Dichlorobenzene	13.01	146	333978	52.887	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	26166	54.802	ug/l	97

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QLast Update : Tue May 07 04:34:57 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	287803	50.811	µg/l	99
94) Hexachlorobutadiene	14.24	225	208815	49.462	µg/l	98
95) Naphthalene	14.51	128	450807	52.939	µg/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	287624	52.415	µg/l	99

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

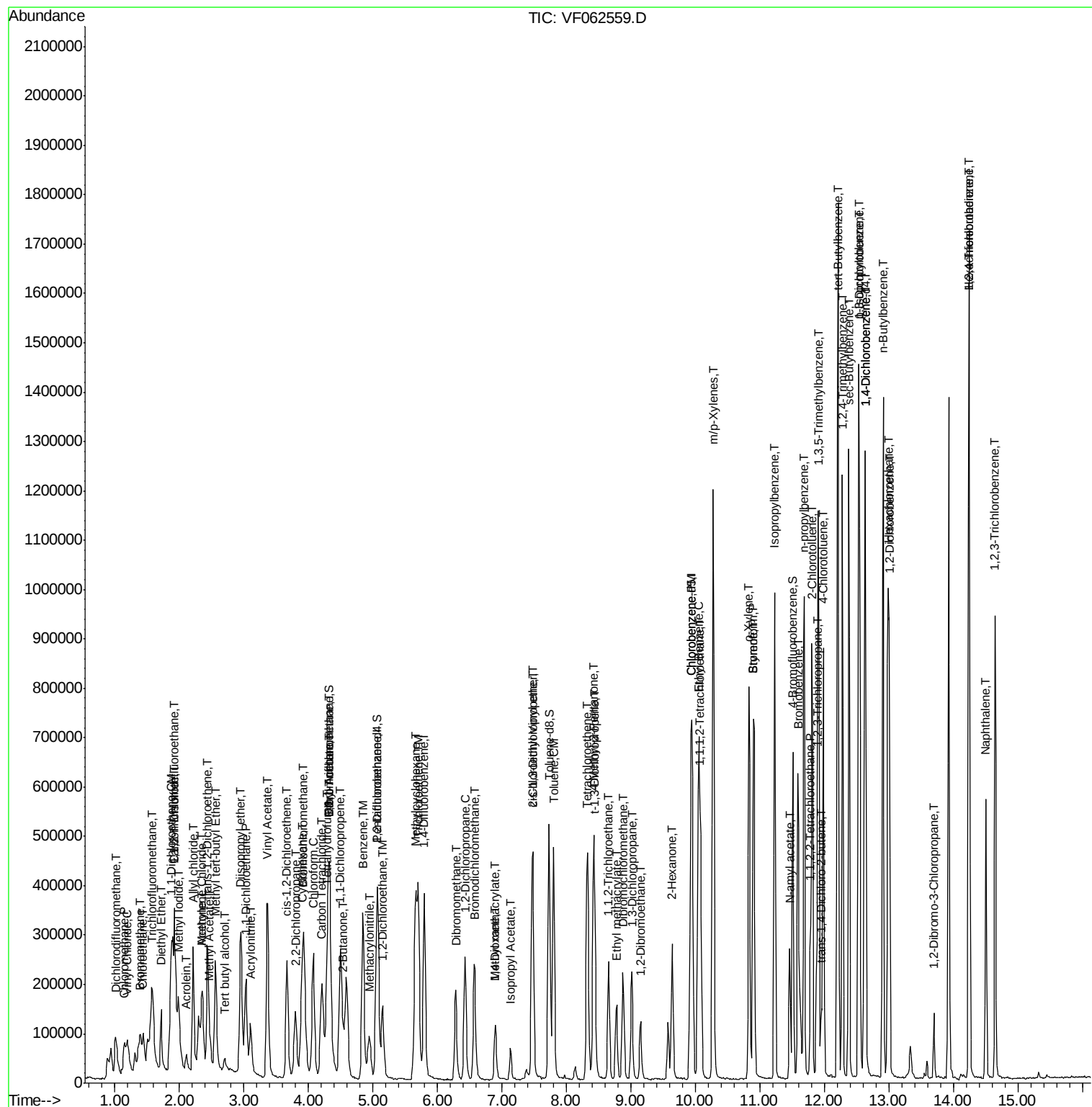
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051319\
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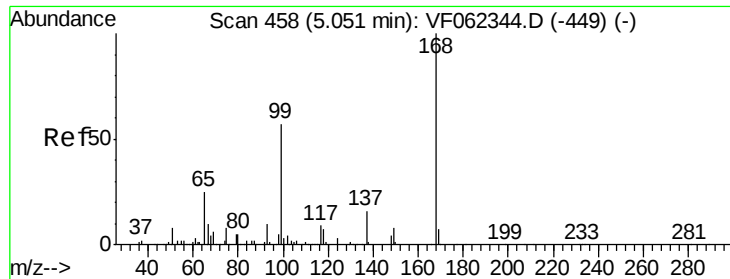
Instrument :
 MSVOA_F
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 461

Delta R.T. 0.02 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 318618

Ion Ratio Lower Upper

168 100

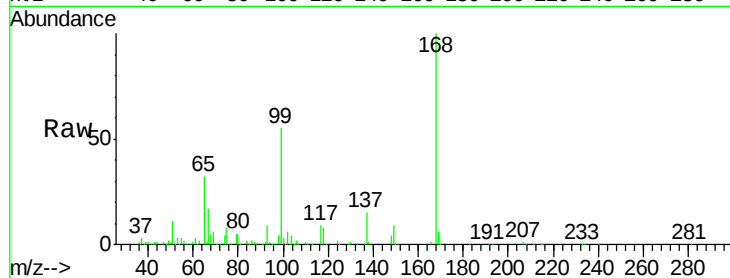
99 54.9 45.9 68.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.07

120000

100000

80000

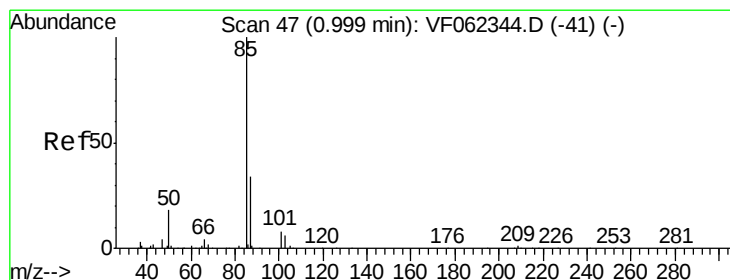
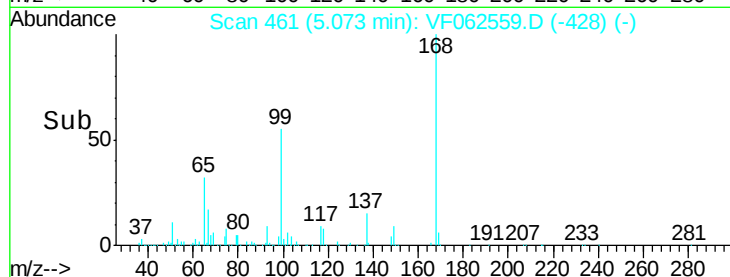
60000

40000

20000

0

Time--> 4.90 5.00 5.10 5.20 5.30



#2

Dichlorodifluoromethane

Concen: 41.705 ug/l

RT: 1.01 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF062559.D

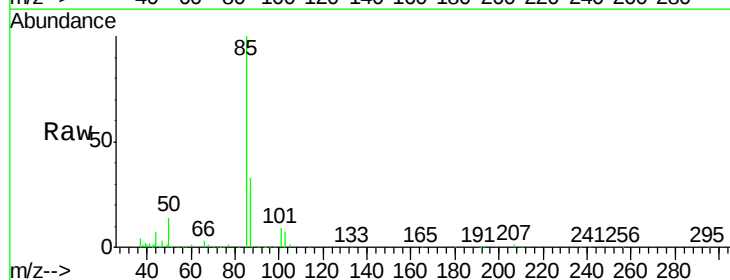
Acq: 13 May 2019 23:23

Tgt Ion: 85 Resp: 153787

Ion Ratio Lower Upper

85 100

87 33.2 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.01

50000

40000

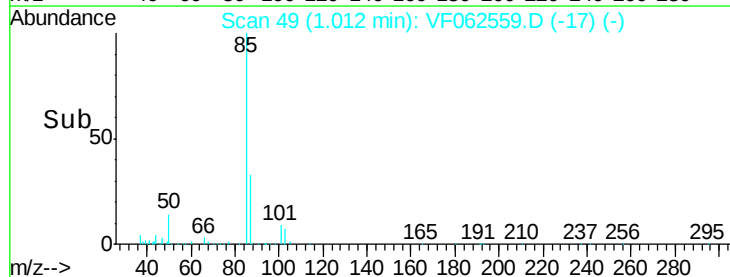
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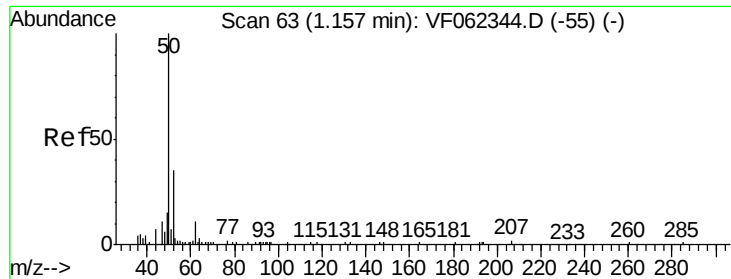
20000

10000

0

Time--> 0.80 1.00 1.20





#3

Chloromethane

Concen: 44.517 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 108265

Ion Ratio Lower Upper

50 100

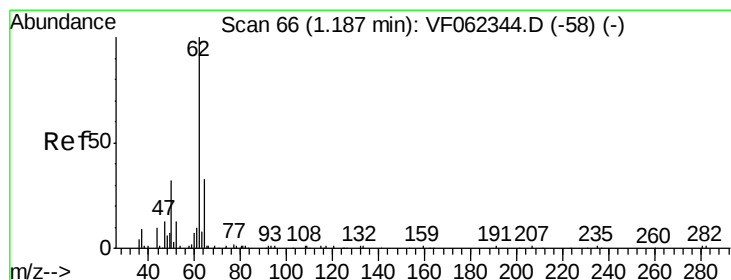
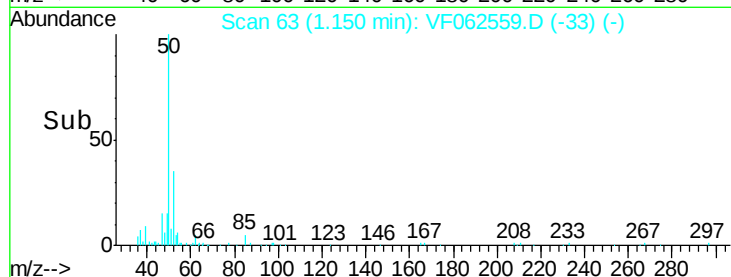
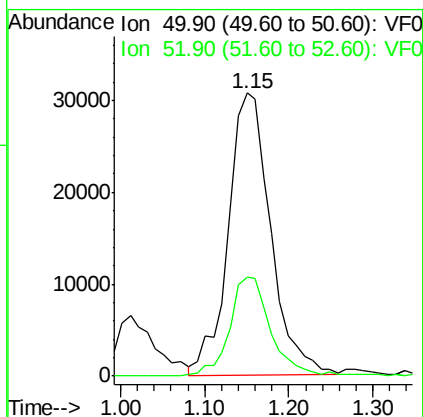
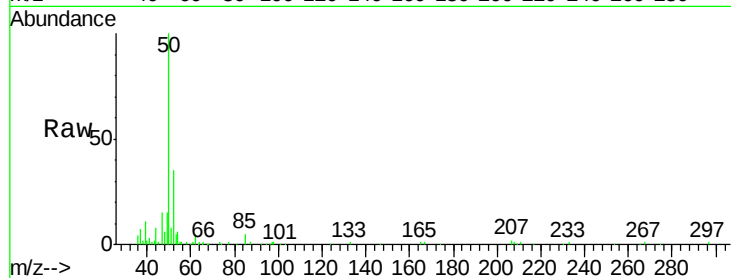
52 35.1 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.374 ug/l

RT: 1.20 min Scan# 68

Delta R.T. 0.01 min

Lab File: VF062559.D

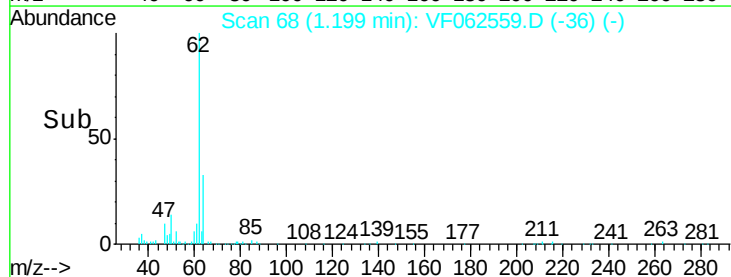
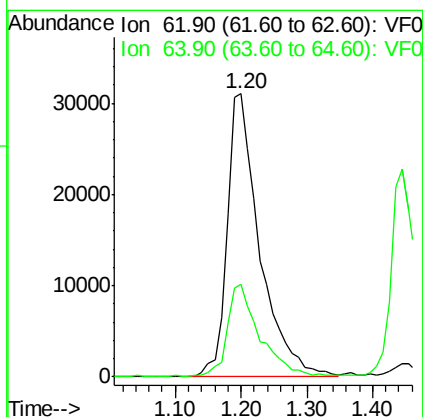
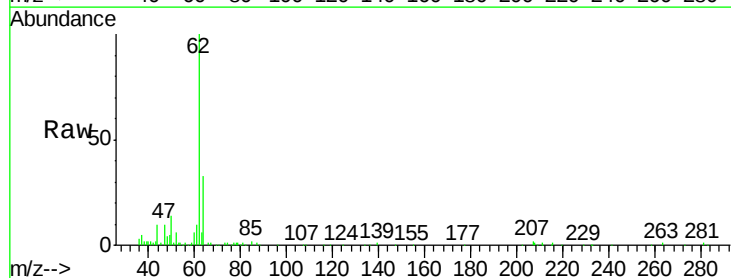
Acq: 13 May 2019 23:23

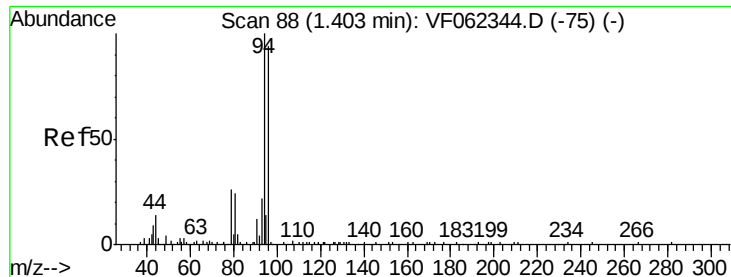
Tgt Ion: 62 Resp: 107643

Ion Ratio Lower Upper

62 100

64 32.6 26.1 39.1





#5

Bromomethane

Concen: 48.882 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 89577

Ion Ratio Lower Upper

94 100

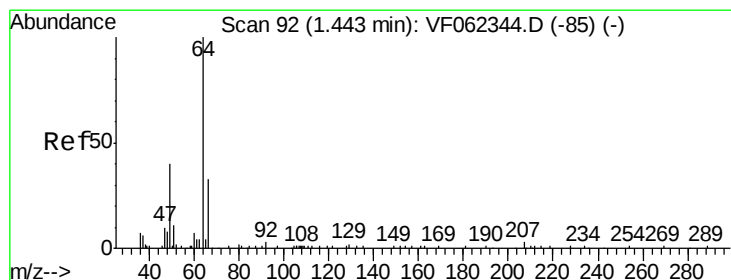
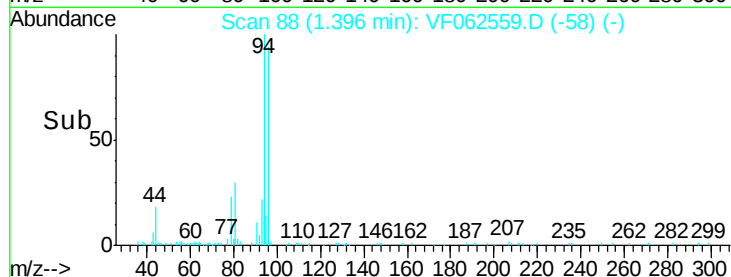
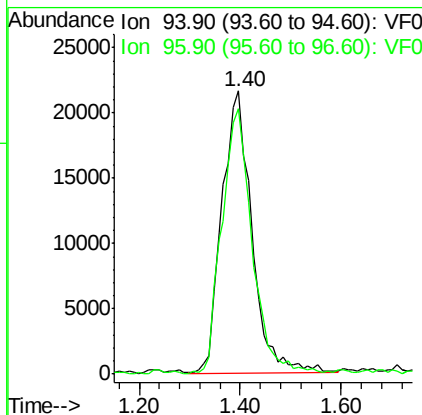
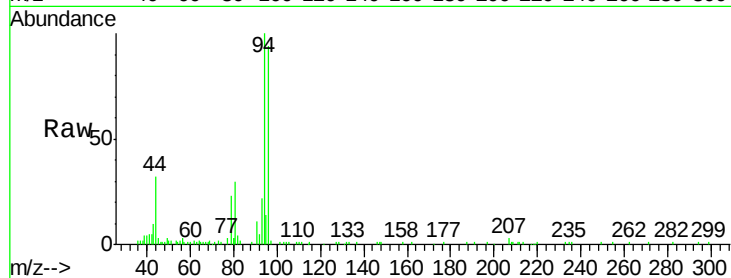
96 94.1 75.4 113.2

Manual Integrations

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#6

Chloroethane

Concen: 48.435 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.00 min

Lab File: VF062559.D

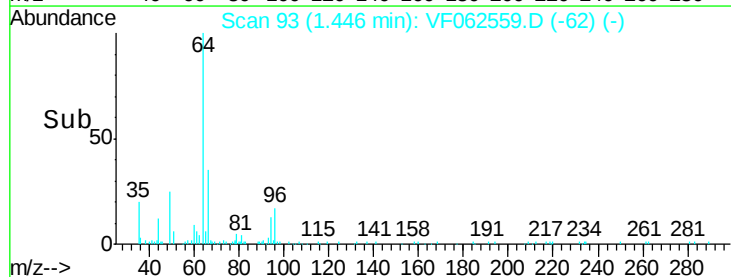
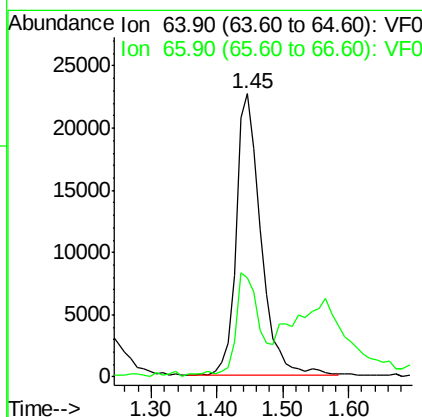
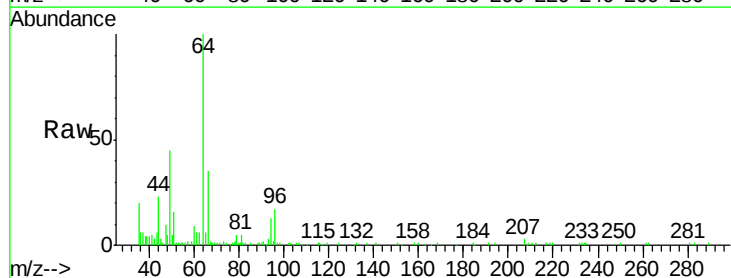
Acq: 13 May 2019 23:23

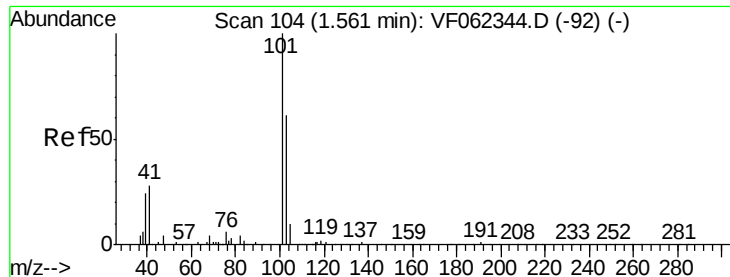
Tgt Ion: 64 Resp: 59070

Ion Ratio Lower Upper

64 100

66 34.2 26.6 39.8





#7

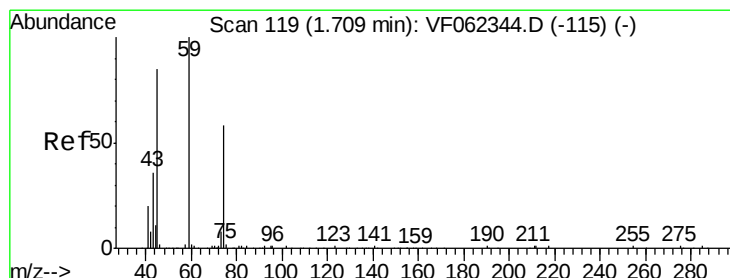
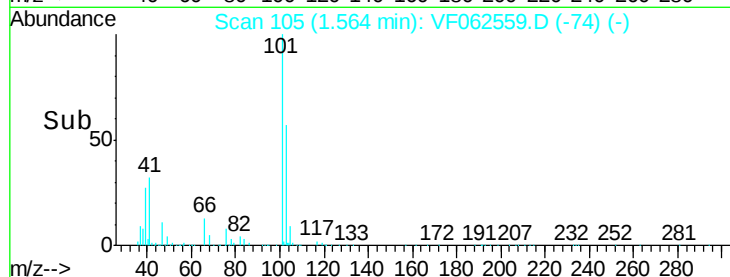
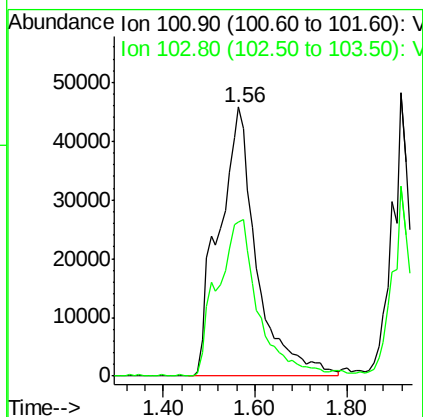
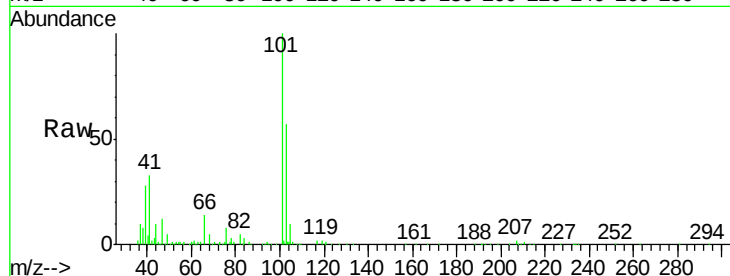
Trichlorofluoromethane
Concen: 52.067 ug/l
RT: 1.56 min Scan# 105
Delta R.T. 0.00 min
Lab File: VF062559.D
Acq: 13 May 2019 23:23

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Tot Ion	Ratio	Lower	Upper
101	100		
103	57.1	48.5	72.7

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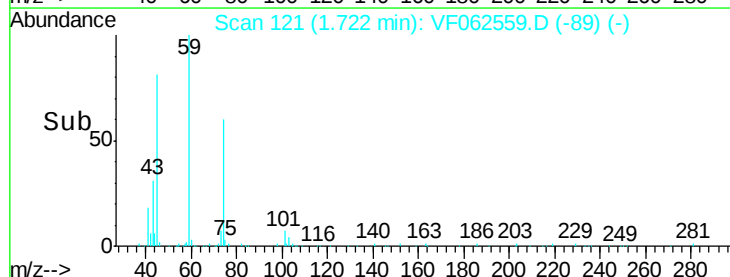
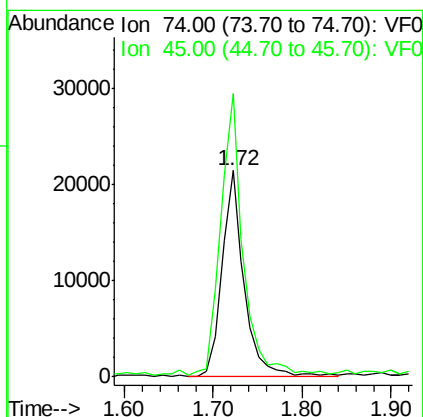
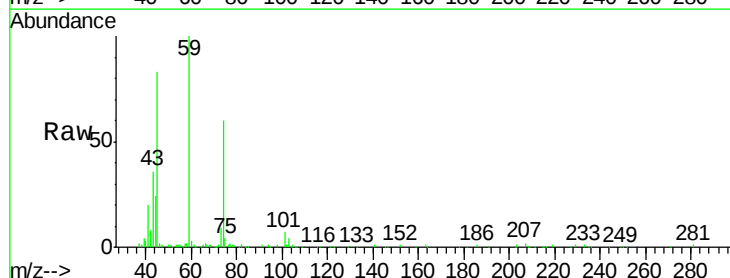
MMDadoda
5/14/2019 11:34:44 AM



#8

Diethyl Ether
Concen: 49.252 ug/l
RT: 1.72 min Scan# 121
Delta R.T. 0.01 min
Lab File: VF062559.D
Acq: 13 May 2019 23:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	137.1	73.9	221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.292 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.00 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Instrument :

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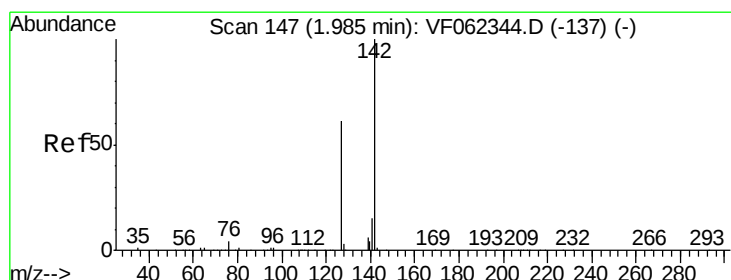
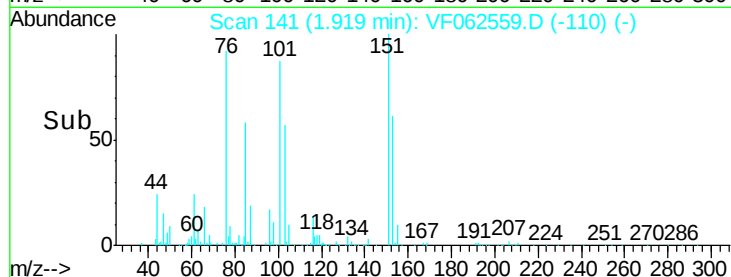
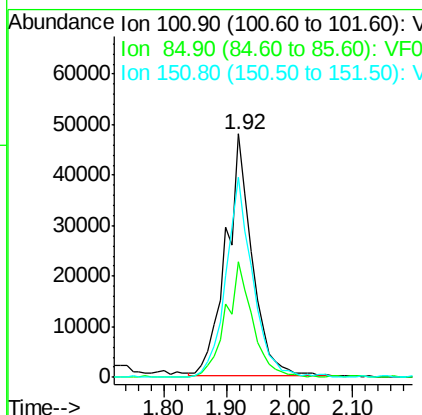
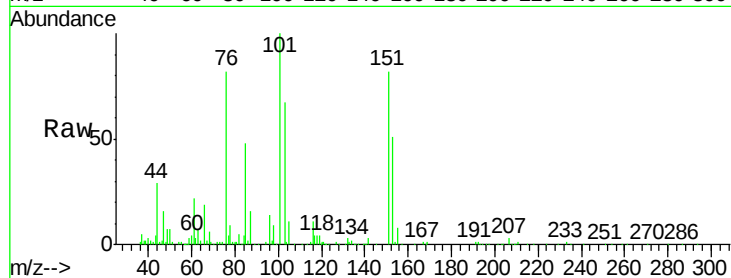
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	138765
Ion Ratio	Lower	Upper	
101	100		
85	48.5	39.5	59.3
151	84.1	59.9	89.9

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#10

Methyl Iodide

Concen: 51.160 ug/l

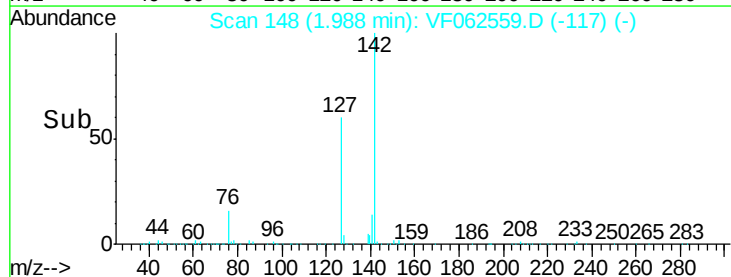
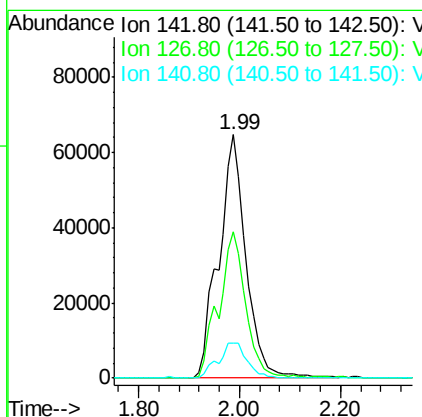
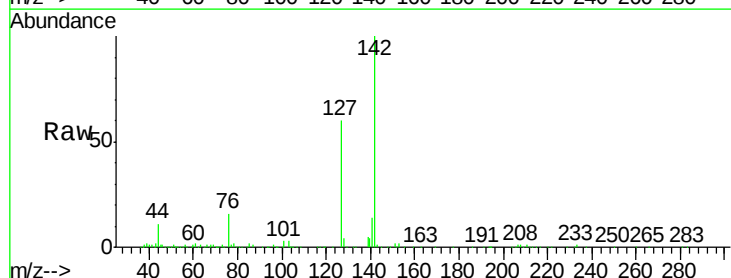
RT: 1.99 min Scan# 148

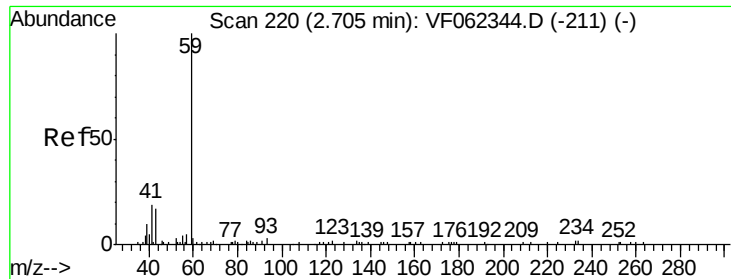
Delta R.T. 0.00 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Tgt Ion:	142	Resp:	242260
Ion Ratio	Lower	Upper	
142	100		
127	59.7	48.4	72.6
141	15.4	12.2	18.4





#11

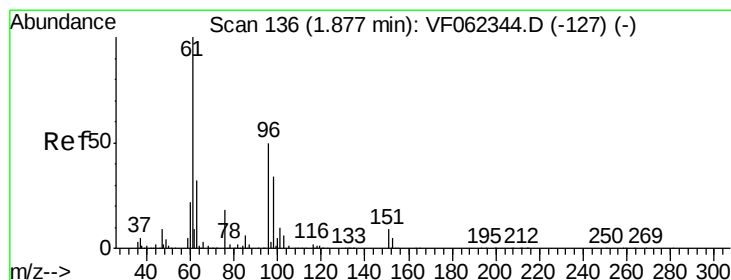
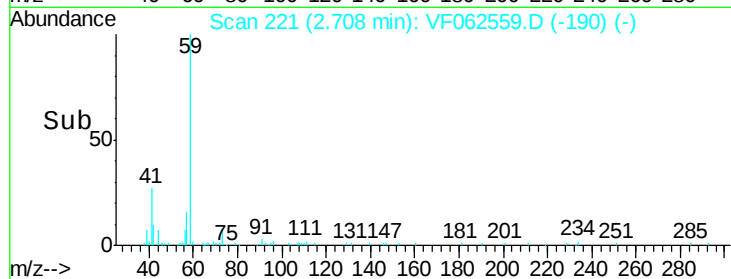
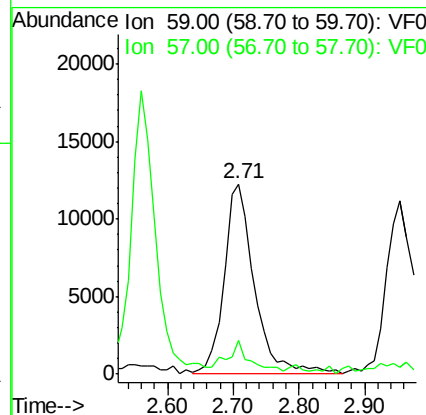
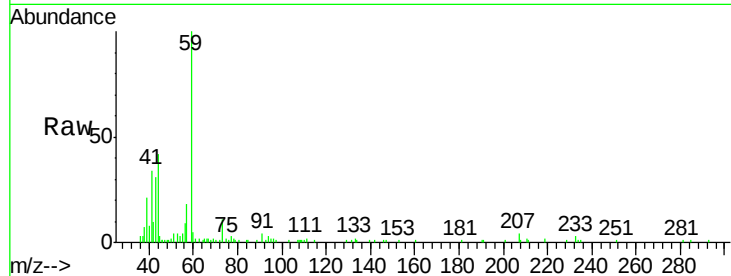
Tert butyl alcohol
Concen: 231.470 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.00 min
Lab File: VF062559.D
Acq: 13 May 2019 23:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.8	9.3	13.9

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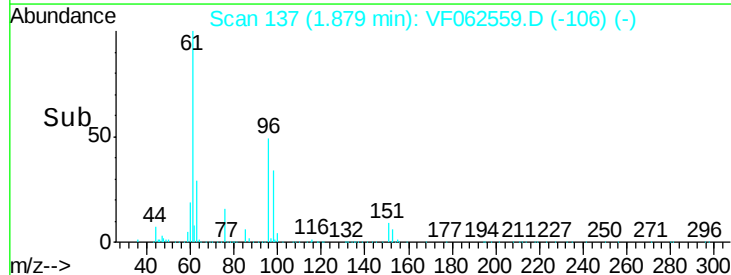
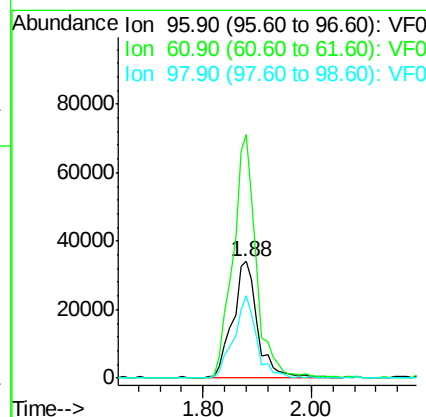
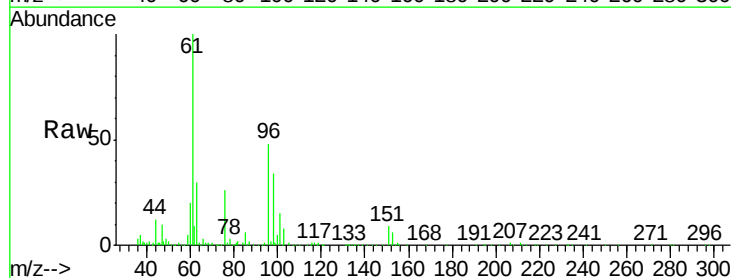
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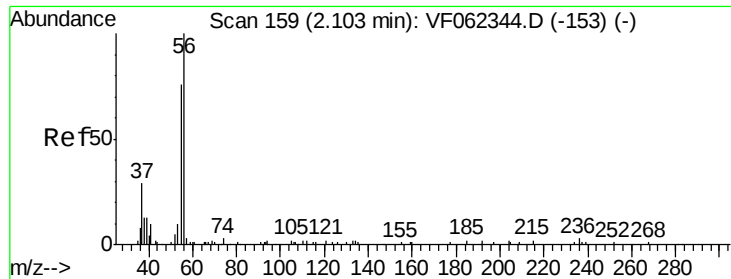


#12

1,1-Dichloroethene
Concen: 45.066 ug/l
RT: 1.88 min Scan# 137
Delta R.T. 0.00 min
Lab File: VF062559.D
Acq: 13 May 2019 23:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	208.1	163.2	244.8
98	70.4	55.2	82.8





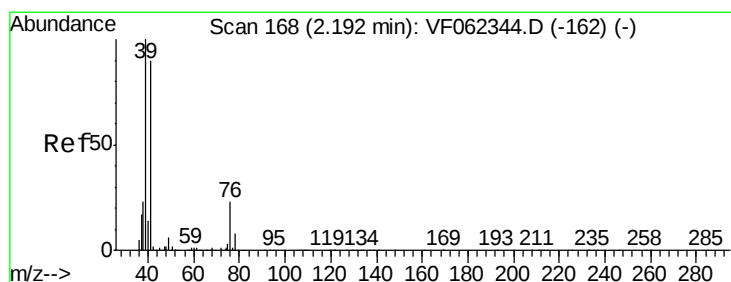
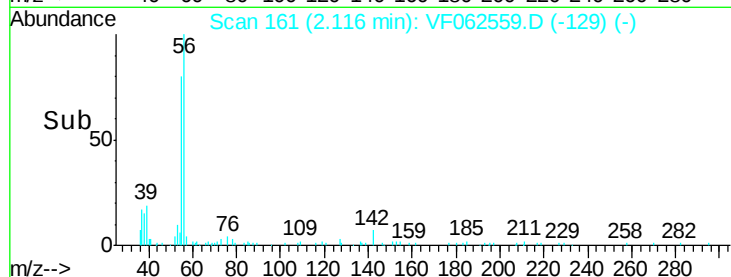
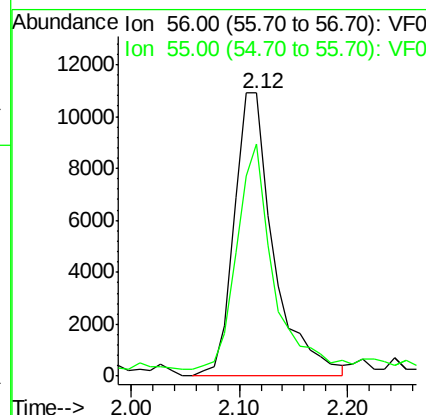
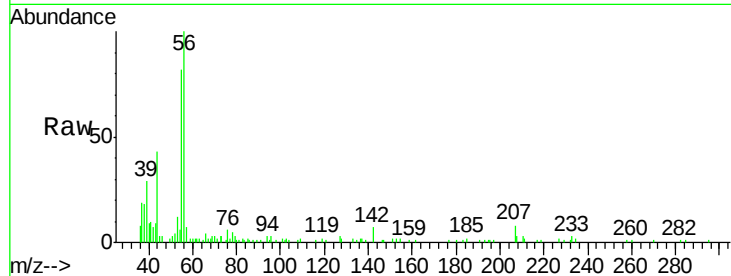
#13
Acrolein
Concen: 265.455 ug/l
RT: 2.12 min Scan# 161
Delta R.T. 0.01 min
Lab File: VF062559.D
Acq: 13 May 2019 23:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	27786
Ion Ratio	100	Lower	Upper
56	100		
55	73.4	58.4	87.6

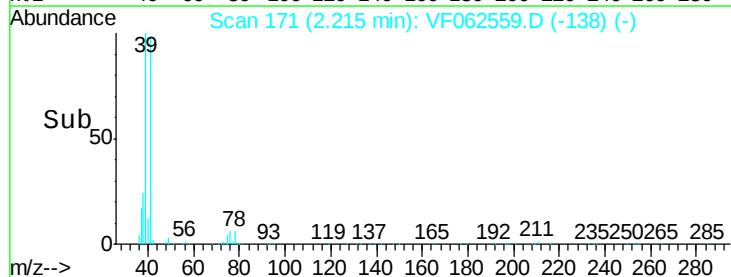
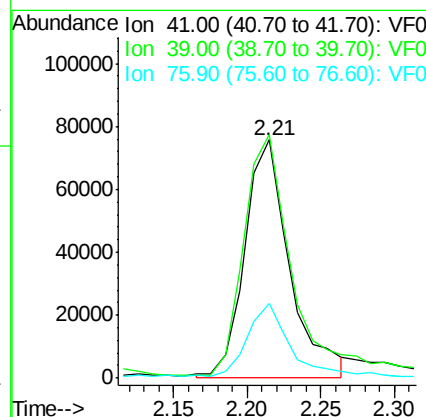
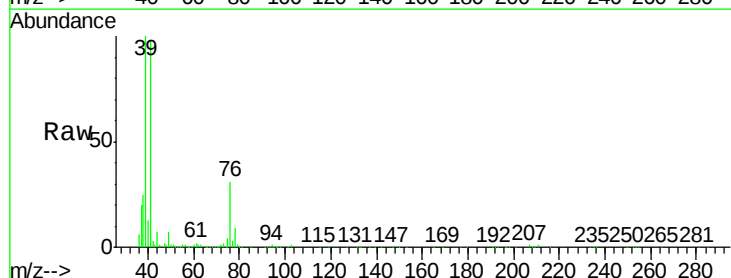
Manual Integrations
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#14
Allyl chloride
Concen: 74.378 ug/l m
RT: 2.21 min Scan# 171
Delta R.T. 0.02 min
Lab File: VF062559.D
Acq: 13 May 2019 23:23

Tgt Ion	41	Resp	160498
Ion Ratio	100	Lower	Upper
41	100		
39	111.4	90.8	136.2
76	29.2	22.2	33.4





#15

Acrylonitrile

Concen: 264.245 ug/l

RT: 3.10 min Scan# 261

Delta R.T. 0.01 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Instrument :

MSVOA_F

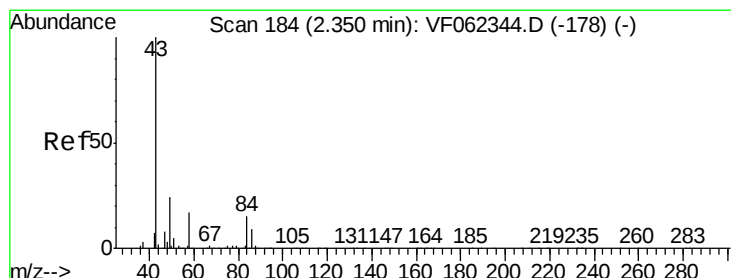
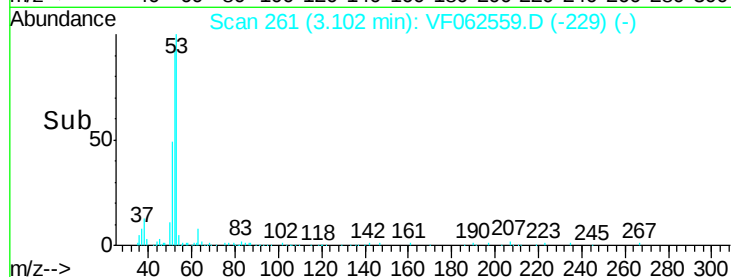
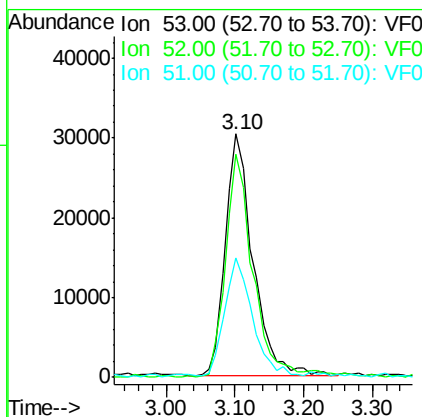
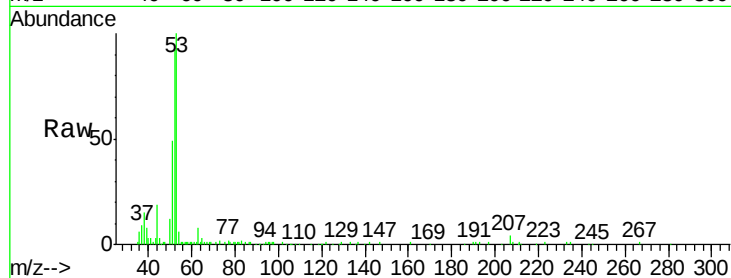
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	85182
Ion	Ratio	Lower	Upper
53	100		
52	89.4	77.2	115.8
51	49.2	40.6	61.0

Manual Integrations
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#16

Acetone

Concen: 231.492 ug/l

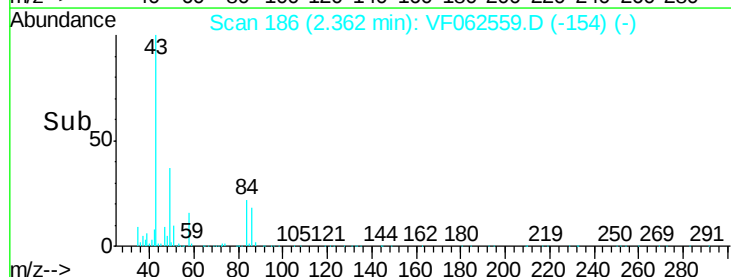
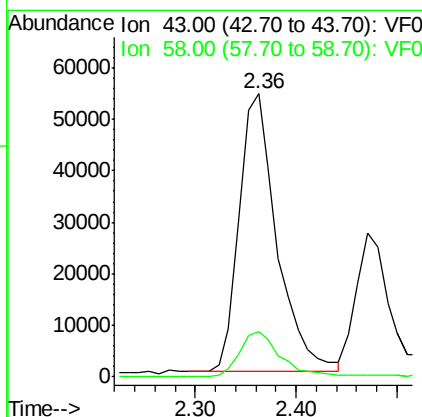
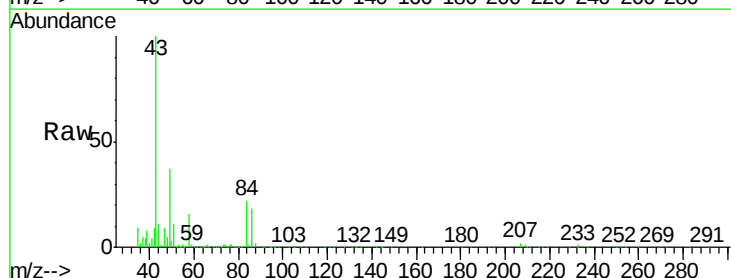
RT: 2.36 min Scan# 186

Delta R.T. 0.01 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Tgt Ion:	43	Resp:	141006
Ion	Ratio	Lower	Upper
43	100		
58	16.2	13.1	19.7





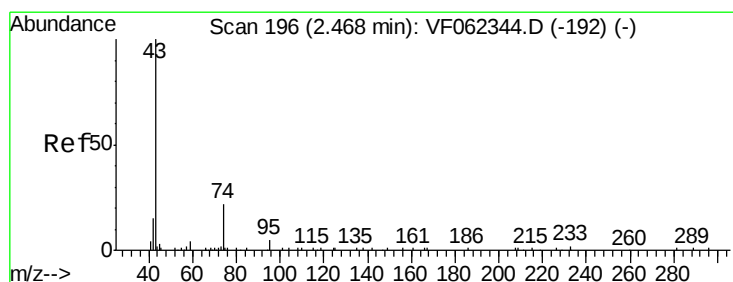
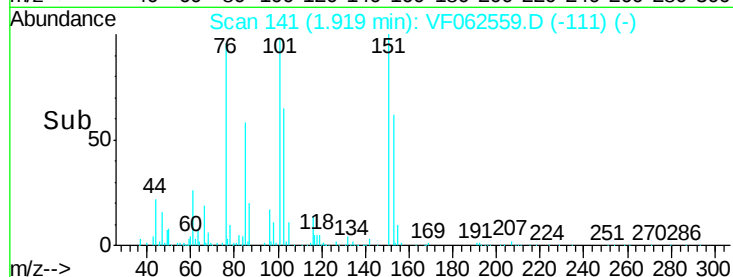
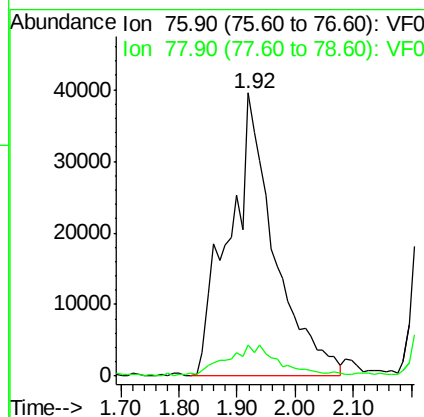
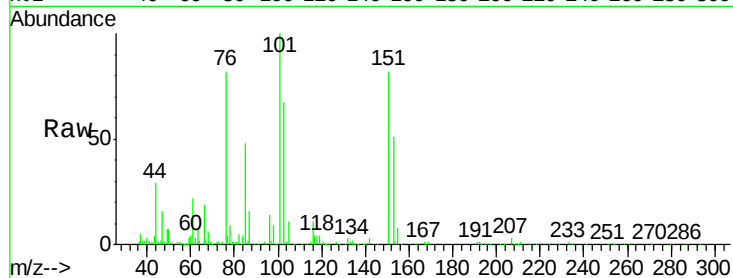
#17
Carbon Disulfide
Concen: 40.095 ug/l
RT: 1.92 min Scan# 141
Delta R.T. -0.01 min
Lab File: VF062559.D
Acq: 13 May 2019 23:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.2	9.0	13.4

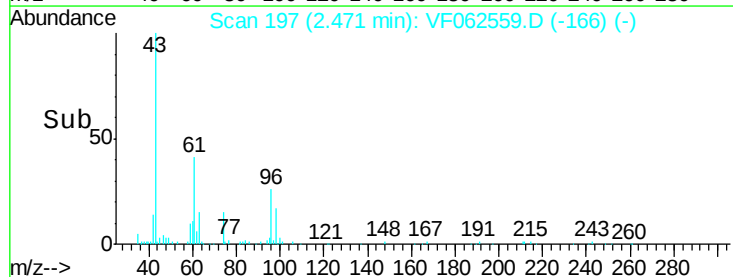
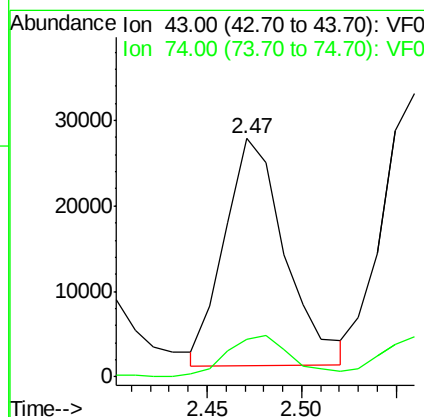
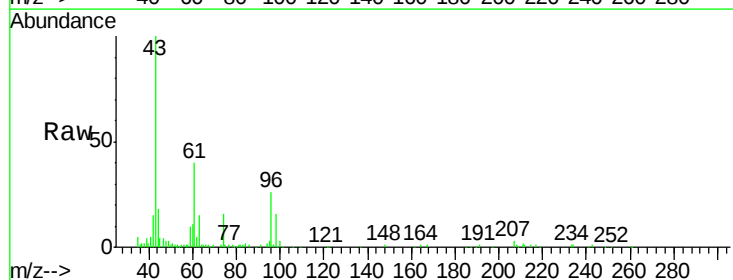
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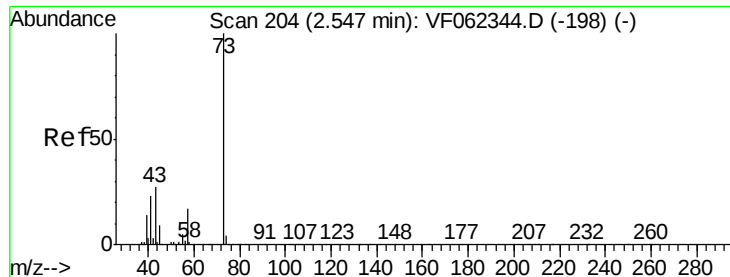
MMDadoda
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#18
Methyl Acetate
Concen: 53.573 ug/l
RT: 2.47 min Scan# 197
Delta R.T. 0.00 min
Lab File: VF062559.D
Acq: 13 May 2019 23:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.5	15.0	22.4





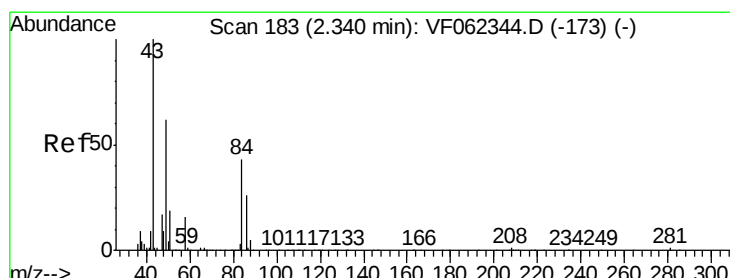
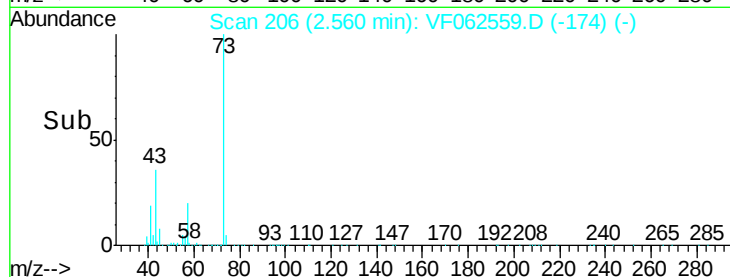
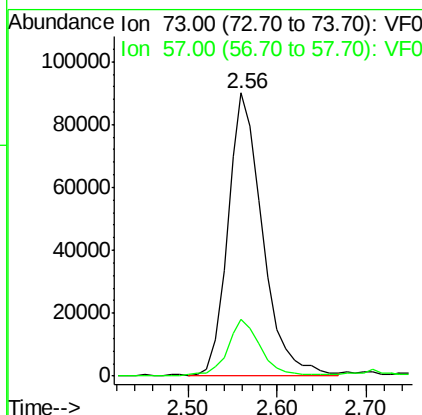
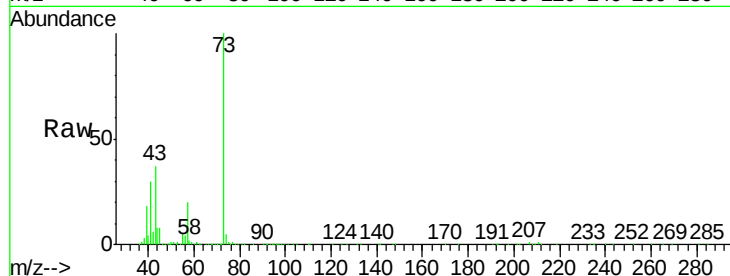
#19
Methvl tert-butvl Ether
Concen: 47.848 ug/l
RT: 2.56 min Scan# 206
Delta R.T. 0.01 min
Lab File: VF062559.D
Acq: 13 May 2019 23:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.9	13.7	20.5

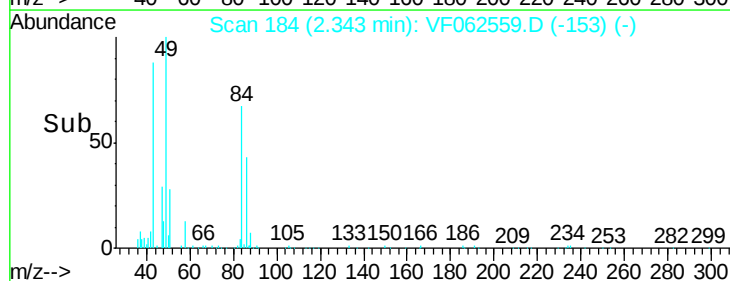
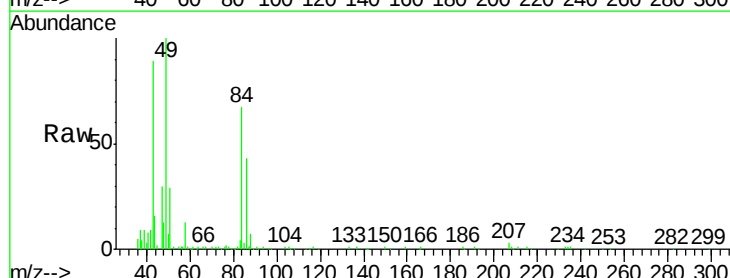
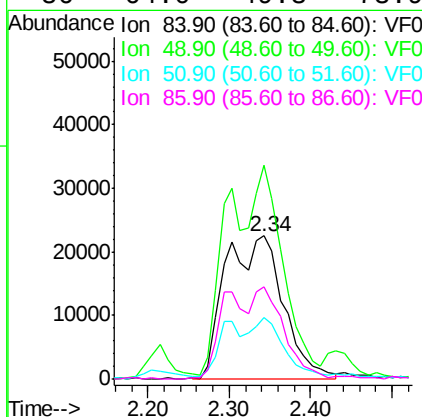
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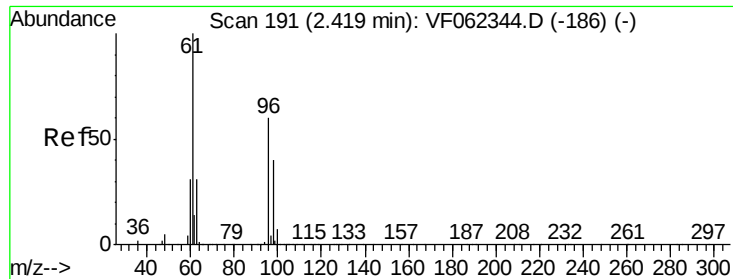
MMDadoda
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#20
Methylene Chloride
Concen: 50.525 ug/l m
RT: 2.34 min Scan# 184
Delta R.T. 0.00 min
Lab File: VF062559.D
Acq: 13 May 2019 23:23

Tgt Ion	Ratio	Lower	Upper
84	100		
49	149.2	117.5	176.3
51	43.3	37.0	55.4
86	64.0	49.3	73.9





#21

trans-1,2-Dichloroethene

Concen: 47.348 ug/l

RT: 2.44 min Scan# 194

Delta R.T. 0.02 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Instrument :

MSVOA_F

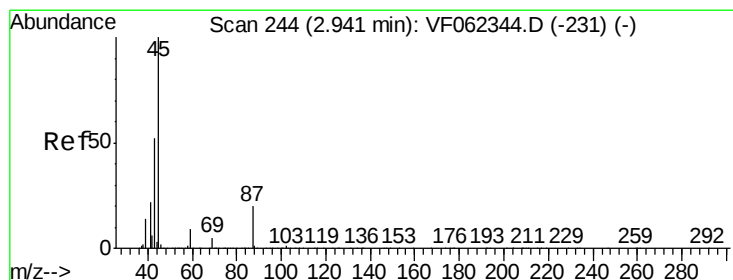
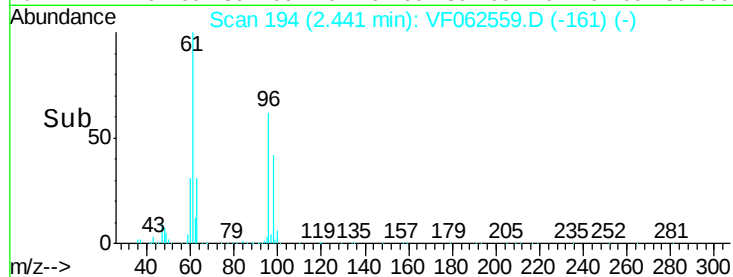
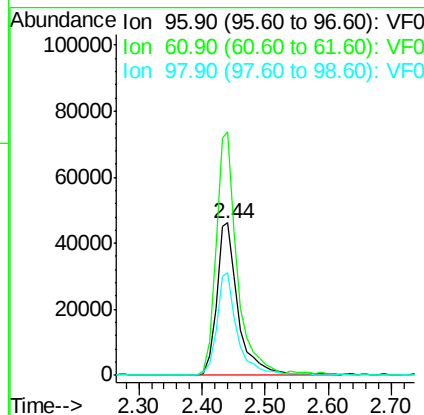
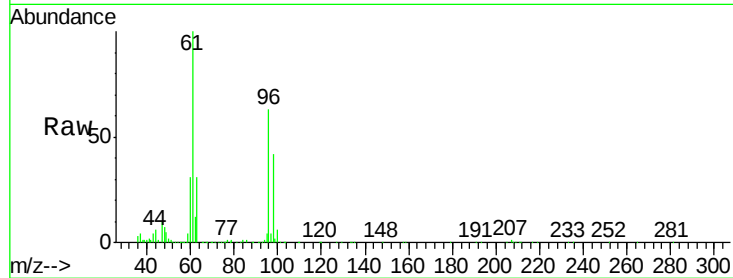
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	110197
Ion	Ratio	Lower	Upper
96	100		
61	159.9	133.2	199.8
98	67.7	53.1	79.7

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#22

Diisopropyl ether

Concen: 49.776 ug/l

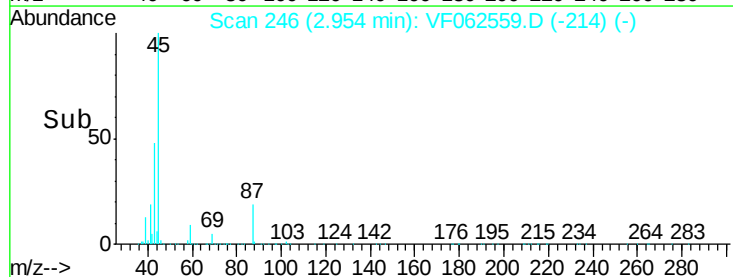
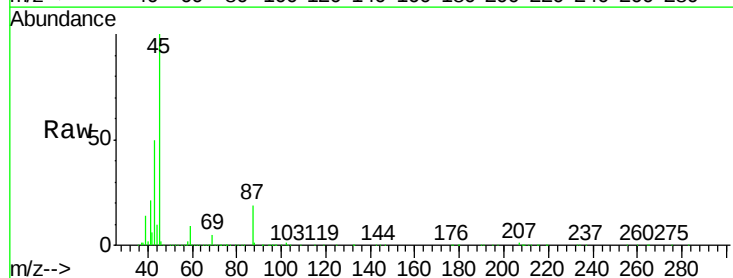
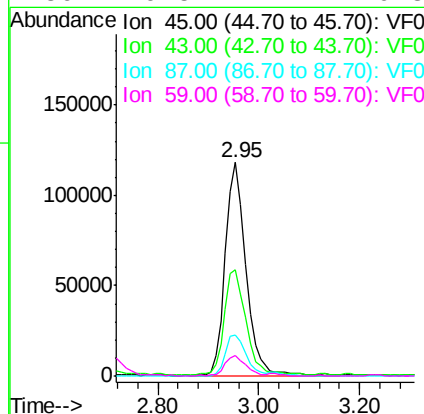
RT: 2.95 min Scan# 246

Delta R.T. 0.01 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Tgt Ion:	45	Resp:	335704
Ion	Ratio	Lower	Upper
45	100		
43	49.6	41.4	62.0
87	19.1	15.8	23.6
59	9.5	7.2	10.8





#23

Vinyl Acetate

Concen: 244.500 ug/l

RT: 3.36 min Scan# 287

Delta R.T. 0.01 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 734929

Ion Ratio Lower Upper

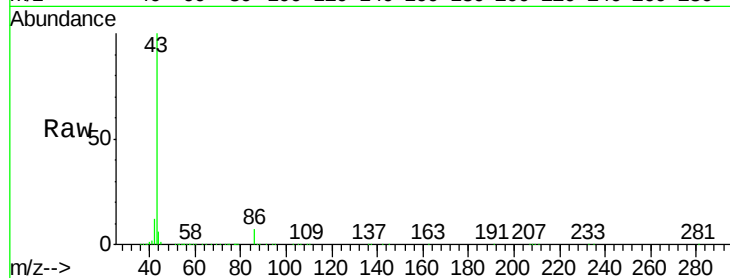
43 100

86 6.5 5.7 8.5

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.36

300000

250000

200000

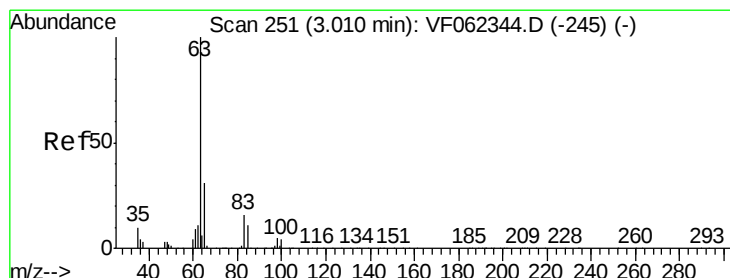
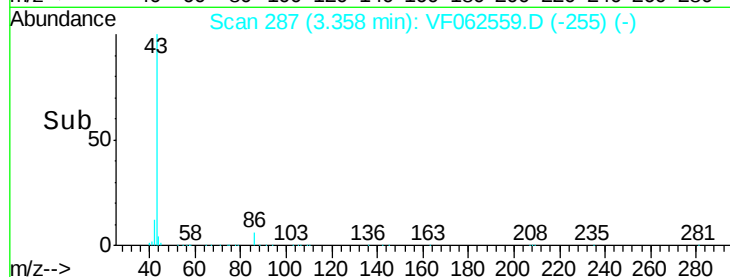
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 52.872 ug/l

RT: 3.03 min Scan# 254

Delta R.T. 0.02 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

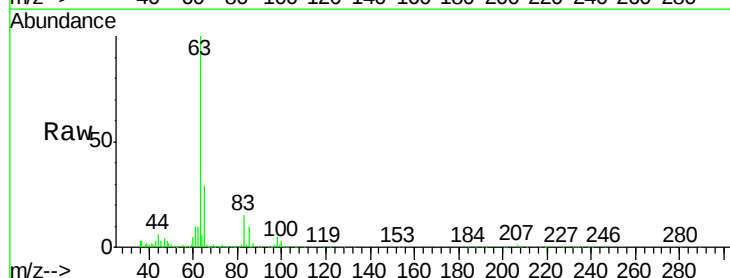
Tgt Ion: 63 Resp: 215513

Ion Ratio Lower Upper

63 100

98 5.1 2.6 8.0

100 2.8 1.8 5.4



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0

100000

80000

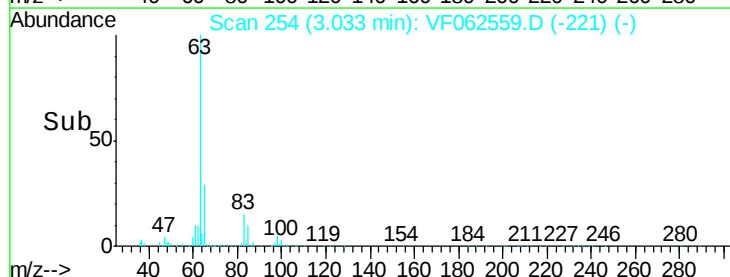
60000

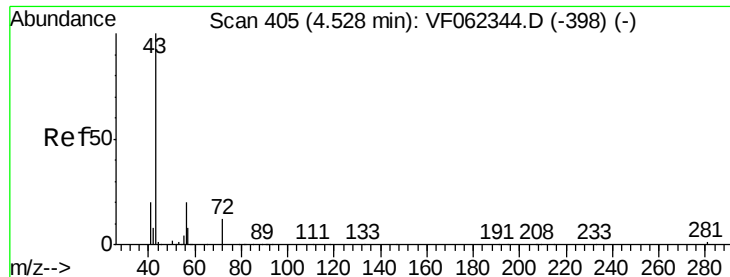
40000

20000

0

Time-->





#25

2-Butanone

Concen: 238.922 ug/l

RT: 4.54 min Scan# 407

Delta R.T. 0.01 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 182835

Ion Ratio Lower Upper

43 100

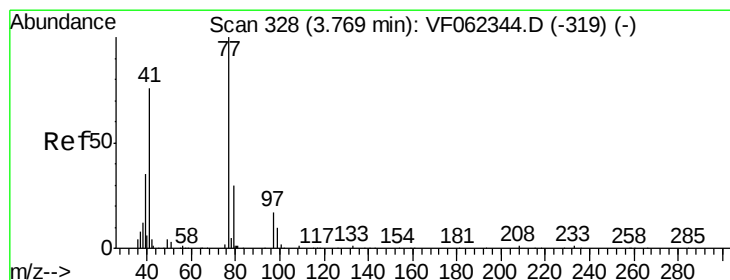
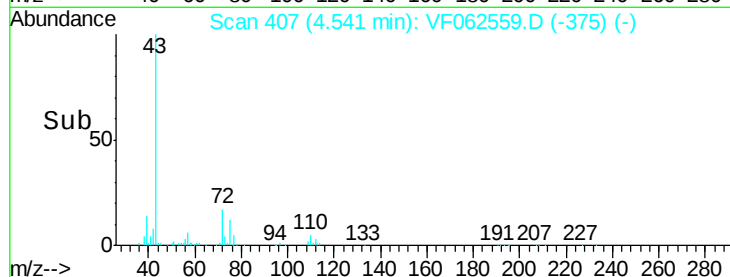
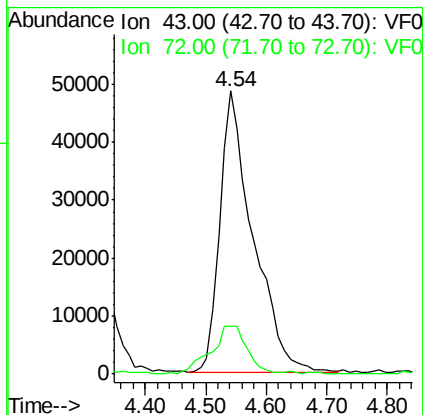
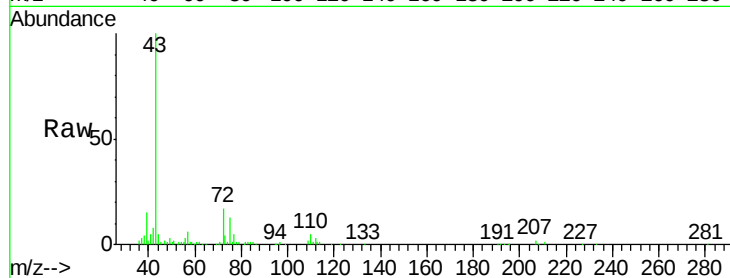
72 17.0 14.2 21.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 57.985 ug/l

RT: 3.79 min Scan# 331

Delta R.T. 0.02 min

Lab File: VF062559.D

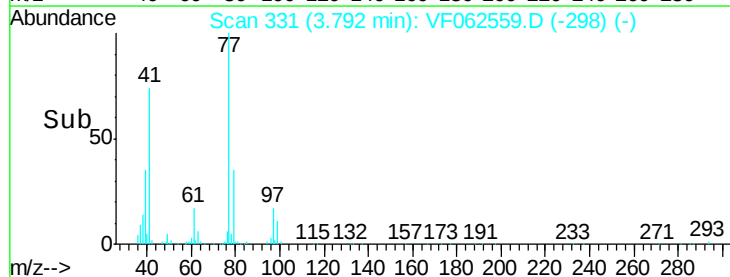
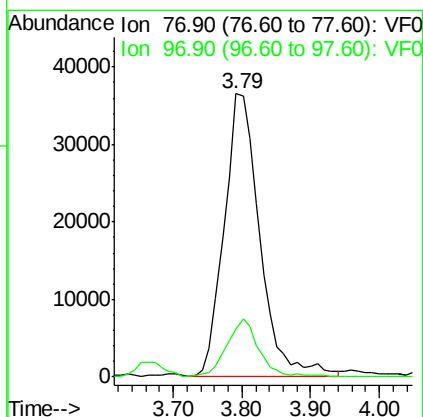
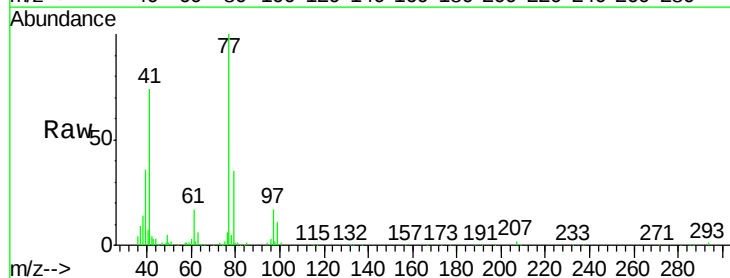
Acq: 13 May 2019 23:23

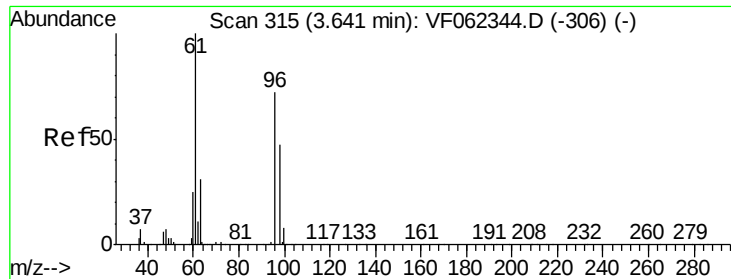
Tgt Ion: 77 Resp: 131990

Ion Ratio Lower Upper

77 100

97 17.9 9.5 28.5





#27

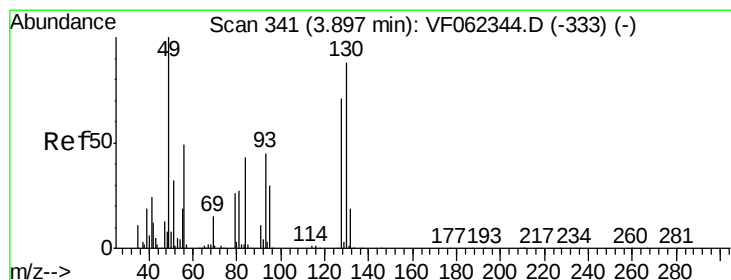
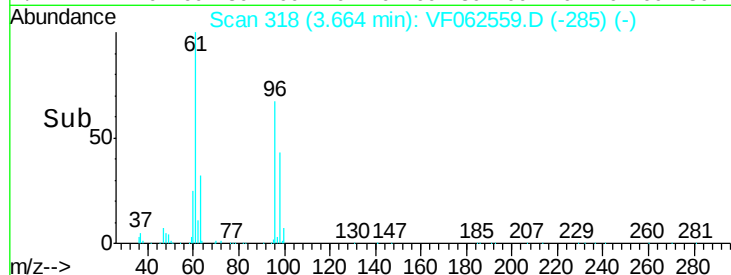
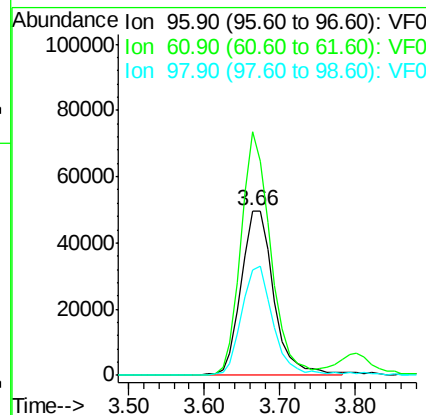
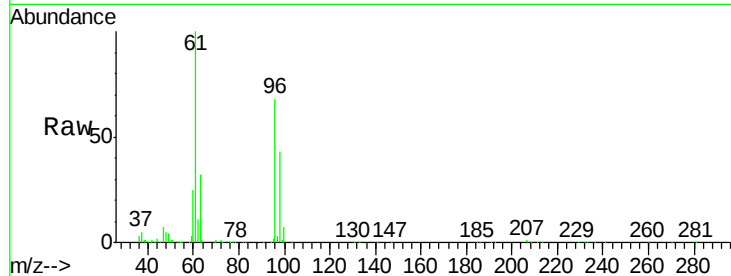
cis-1,2-Dichloroethene
Concen: 51.122 ug/l
RT: 3.66 min Scan# 318
Delta R.T. 0.02 min
Lab File: VF062559.D
Acq: 13 May 2019 23:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	148728		
61	133.7	0.0	263.0	
98	64.1	0.0	130.8	

Manual Integrations
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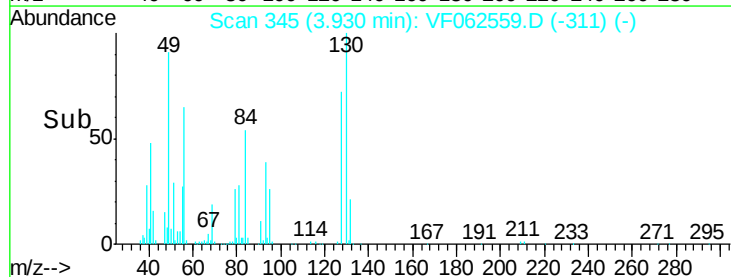
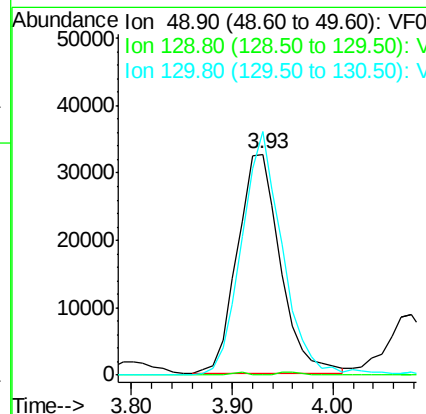
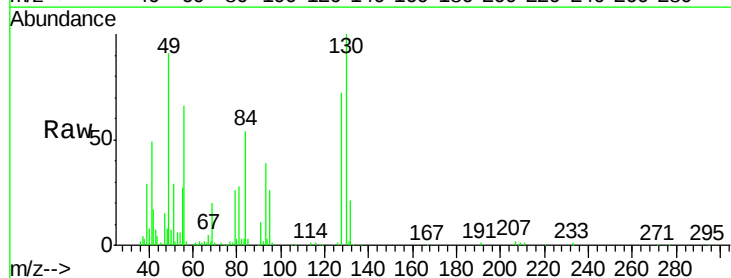
MMDadoda
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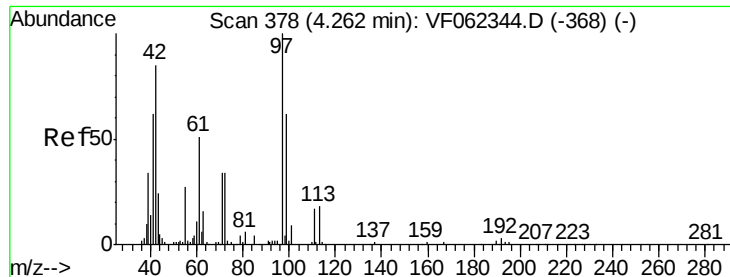


#28

Bromochloromethane
Concen: 52.452 ug/l
RT: 3.93 min Scan# 345
Delta R.T. 0.03 min
Lab File: VF062559.D
Acq: 13 May 2019 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	96963		
129	0.6	0.0	2.2	
130	105.6	79.4	119.0	





#29

Tetrahydrofuran

Concen: 236.123 ug/l

RT: 4.28 min Scan# 381

Delta R.T. 0.02 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Instrument :

MSVOA_F

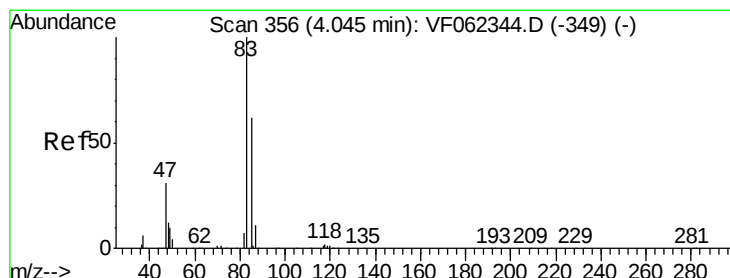
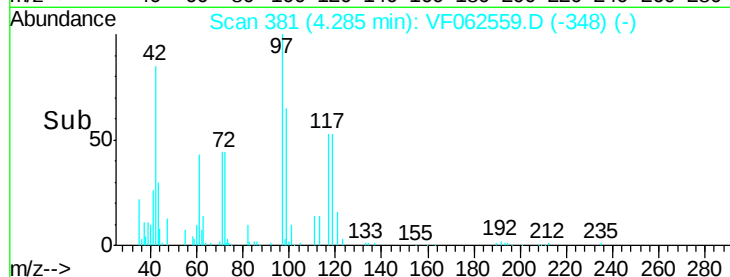
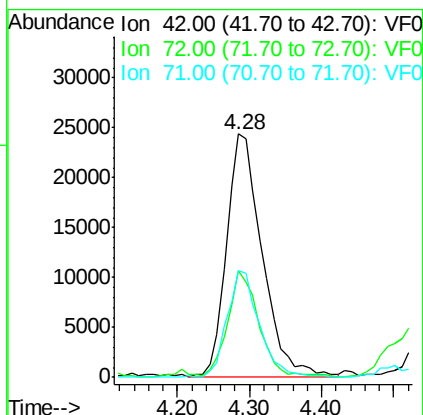
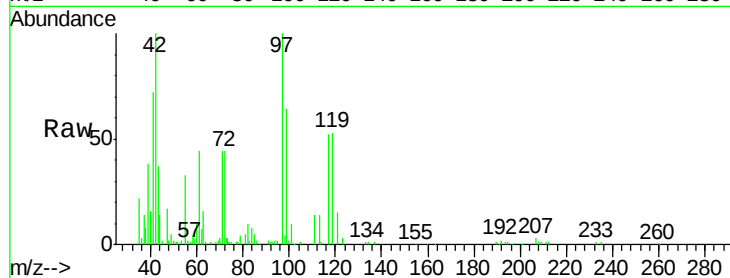
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	83046
Ion Ratio	Lower	Upper	
42	100		
72	39.4	31.4	47.0
71	40.3	31.7	47.5

Manual Integrations
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#30

Chloroform

Concen: 52.647 ug/l

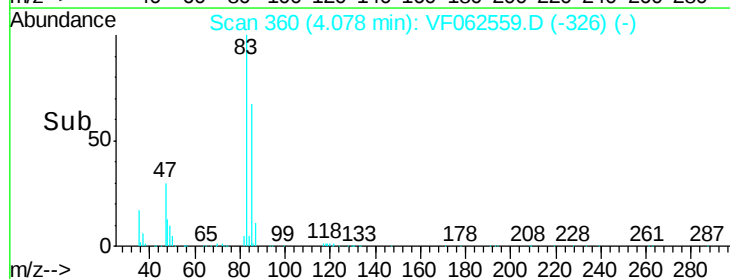
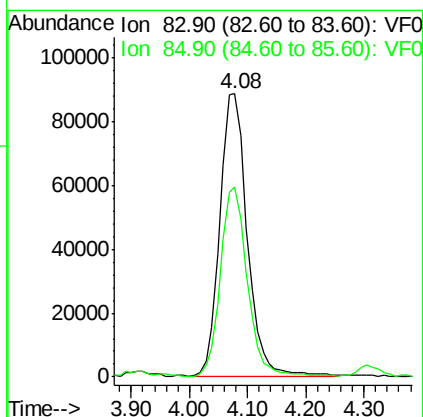
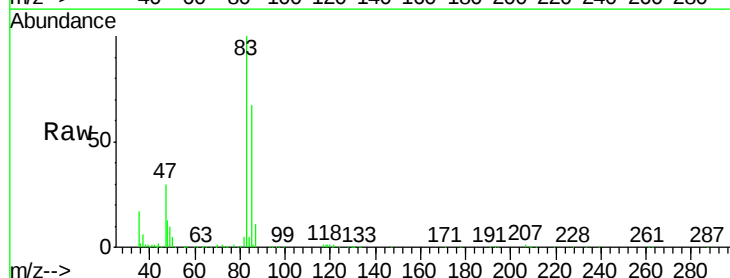
RT: 4.08 min Scan# 360

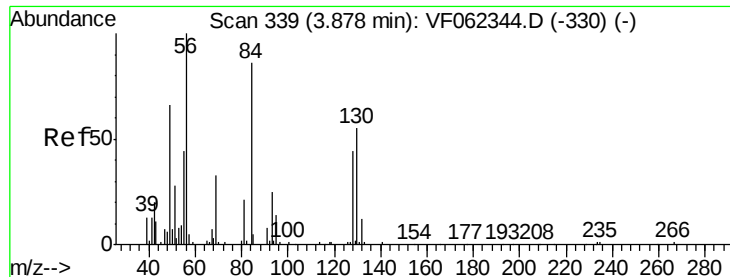
Delta R.T. 0.03 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Tgt Ion:	83	Resp:	289916
Ion Ratio	Lower	Upper	
83	100		
85	67.2	49.6	74.4





#31

Cvclohexane

Concen: 45.731 ug/l

RT: 3.90 min Scan# 342

Delta R.T. 0.02 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Instrument :

MSVOA_F

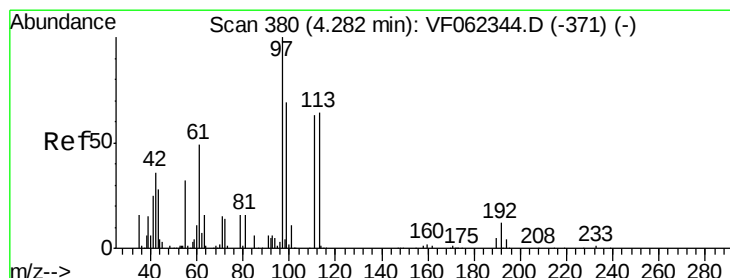
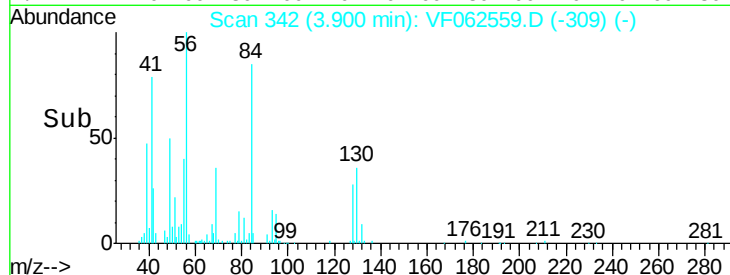
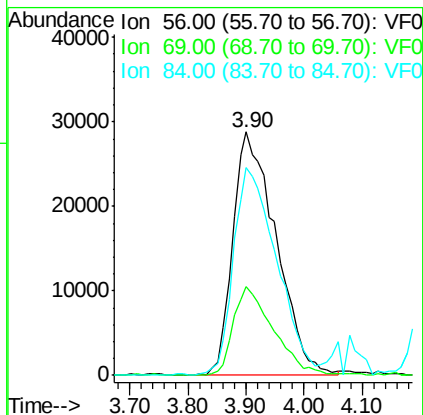
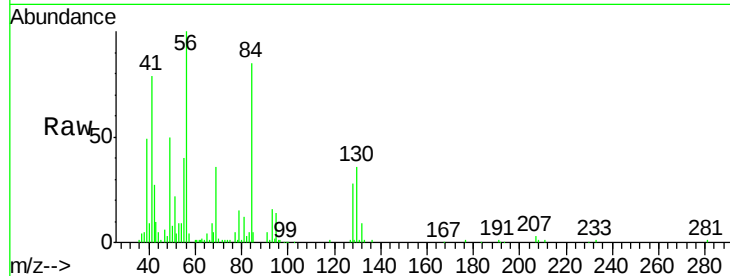
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	148783
Ion	Ratio	Lower	Upper
56	100		
69	36.5	26.4	39.6
84	85.4	69.0	103.6

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#32

1,1,1-Trichloroethane

Concen: 52.805 ug/l

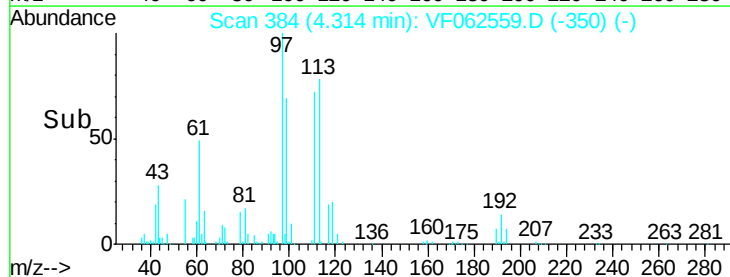
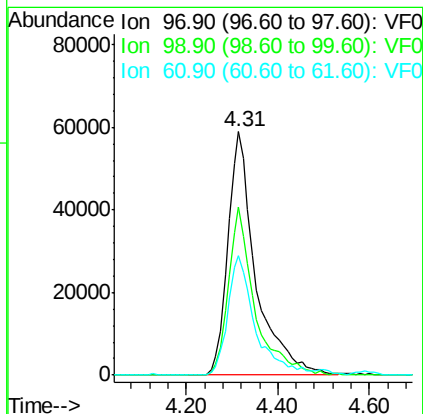
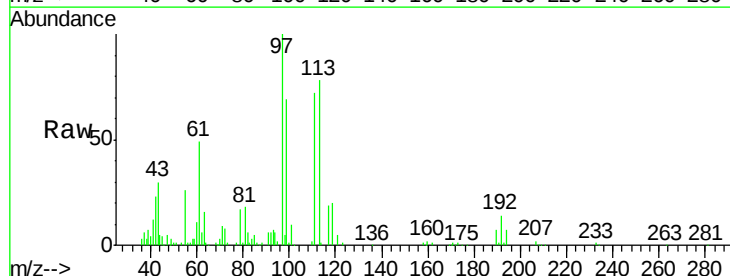
RT: 4.31 min Scan# 384

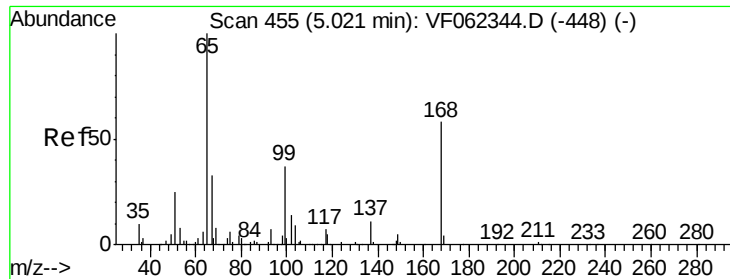
Delta R.T. 0.03 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Tgt Ion:	97	Resp:	249219
Ion	Ratio	Lower	Upper
97	100		
99	65.4	52.6	78.8
61	48.4	39.4	59.0





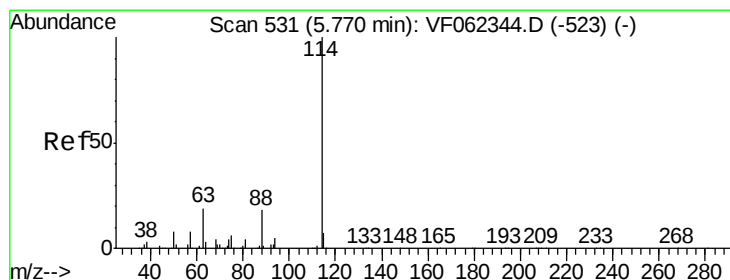
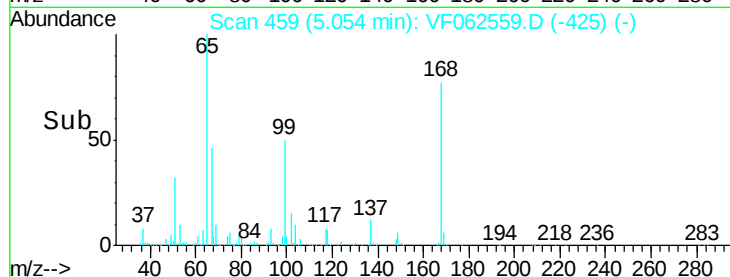
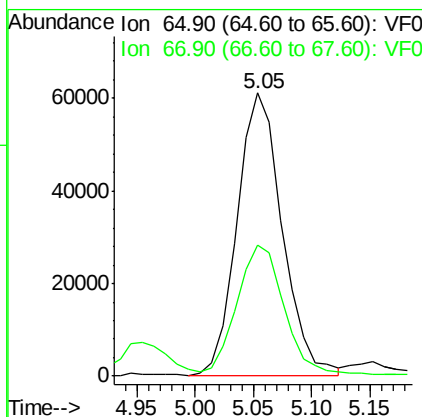
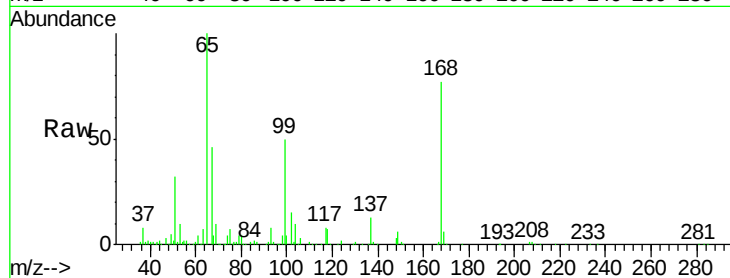
#33
 1,2-Dichloroethane-d4
 Concen: 54.774 ug/l
 RT: 5.05 min Scan# 459
 Delta R.T. 0.03 min
 Lab File: VF062559.D
 Acq: 13 May 2019 23:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	164929		
67	48.6	0.0	85.8	

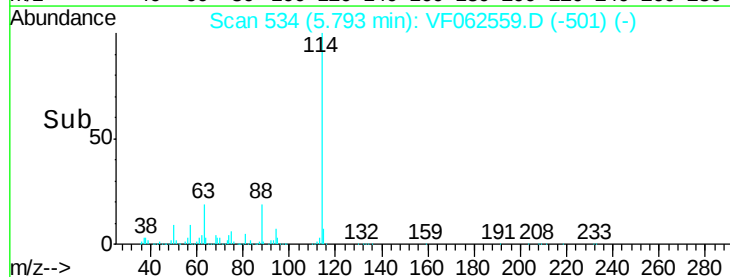
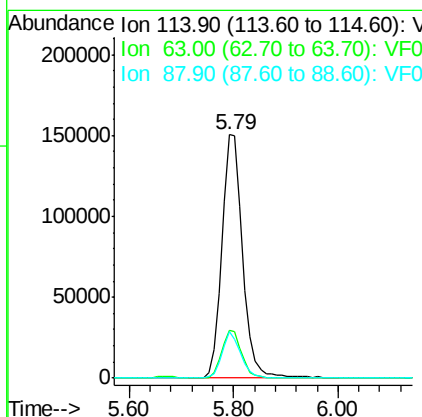
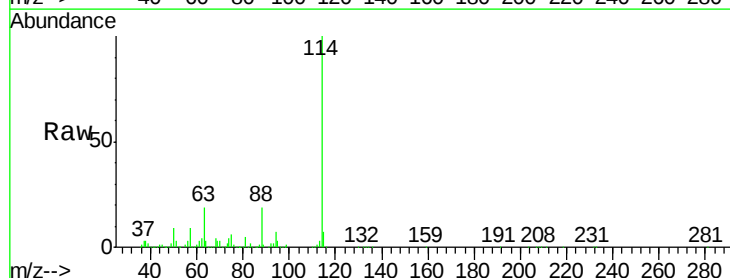
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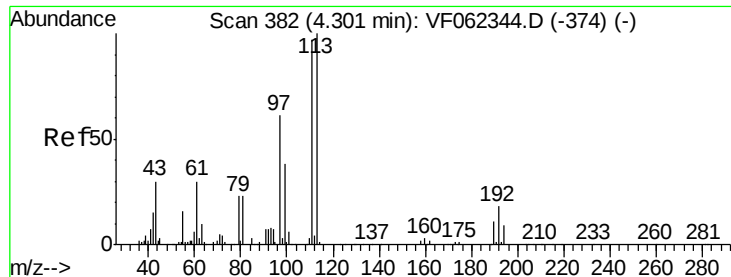
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 534
 Delta R.T. 0.02 min
 Lab File: VF062559.D
 Acq: 13 May 2019 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	416661		
63	19.4	0.0	37.4	
88	19.2	0.0	36.4	





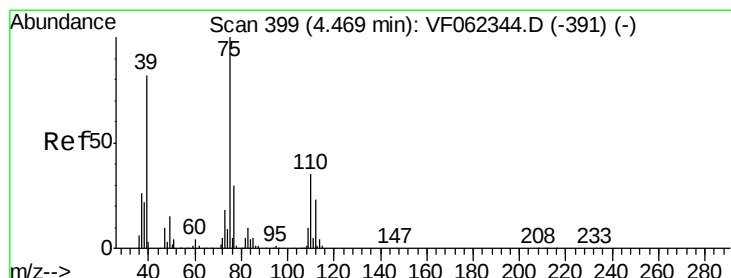
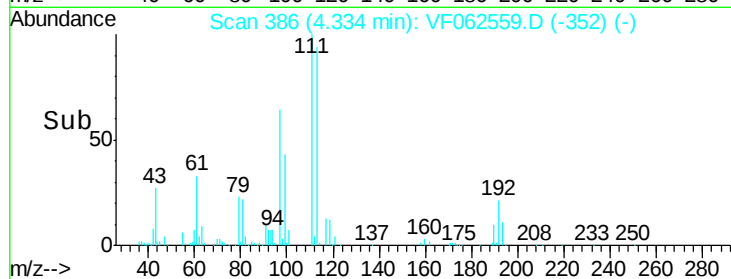
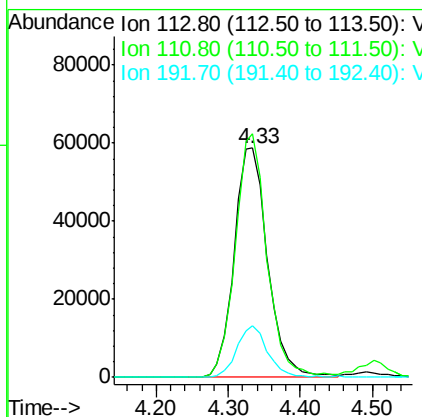
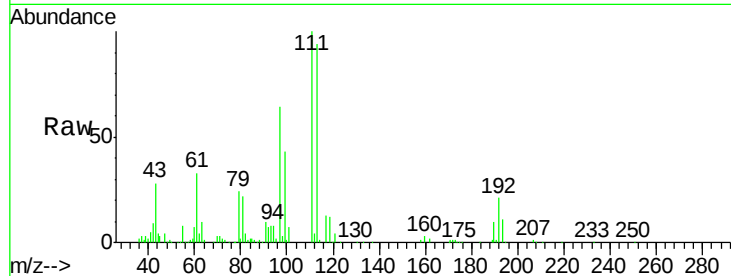
#35
 Dibromofluoromethane
 Concen: 57.487 ug/l
 RT: 4.33 min Scan# 386
 Delta R.T. 0.03 min
 Lab File: VF062559.D
 Acq: 13 May 2019 23:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	190825		
111	100.5	79.4	119.0	
192	20.8	16.0	24.0	

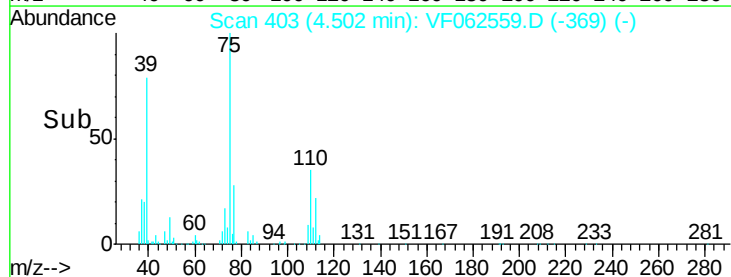
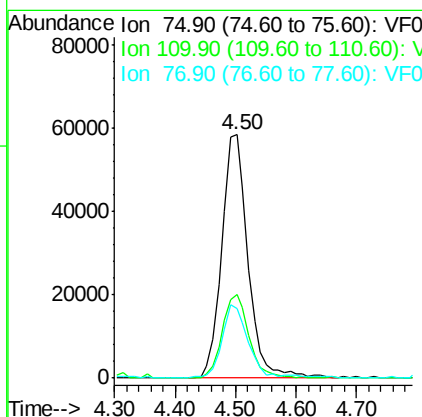
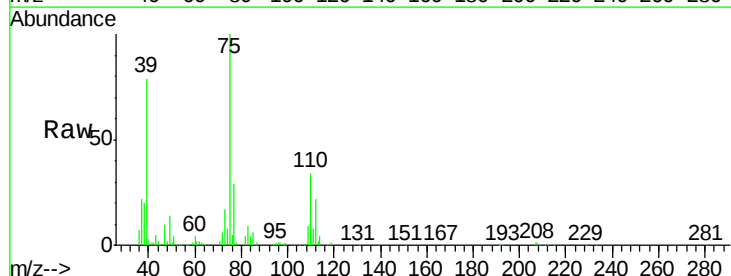
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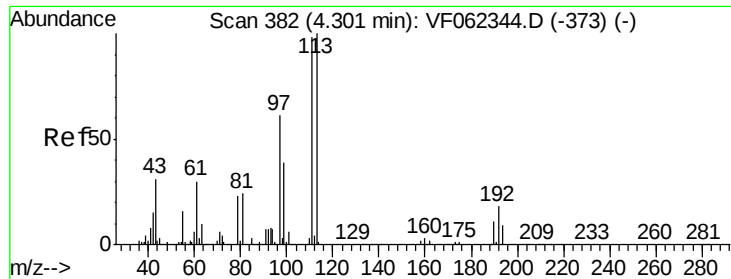
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#36
 1,1-Dichloropropene
 Concen: 49.189 ug/l
 RT: 4.50 min Scan# 403
 Delta R.T. 0.03 min
 Lab File: VF062559.D
 Acq: 13 May 2019 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	176061		
110	35.2	17.2	51.5	
77	29.9	25.2	37.8	





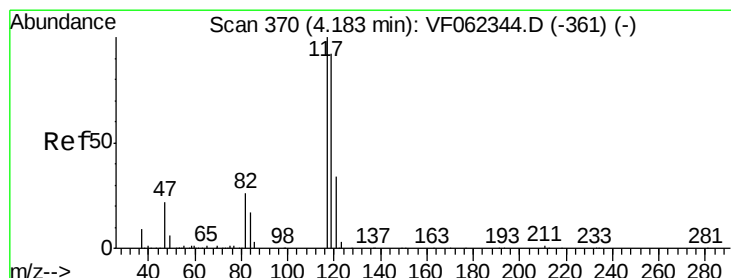
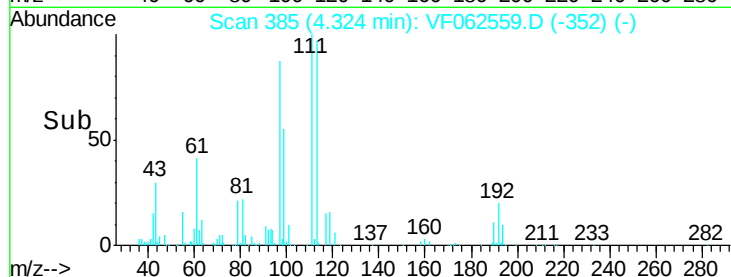
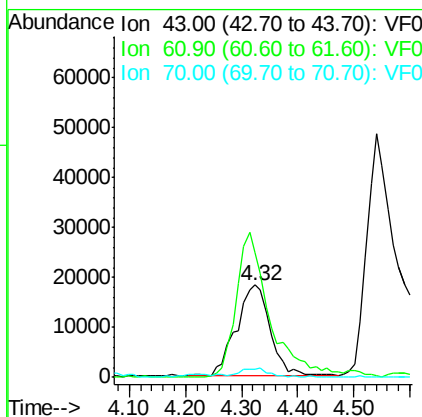
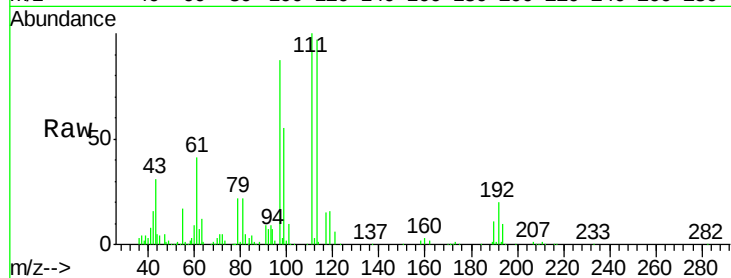
#37
Ethyl Acetate
Concen: 55.390 ug/l
RT: 4.32 min Scan# 385
Delta R.T. 0.02 min
Lab File: VF062559.D
Acq: 13 May 2019 23:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	158.0	0.0	0.0#
70	9.4	8.2	12.2

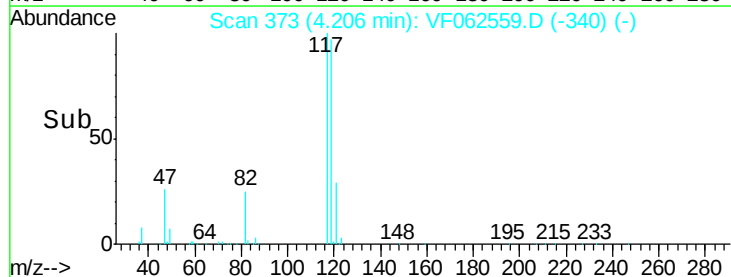
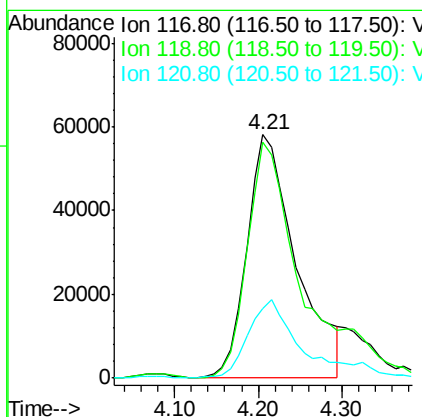
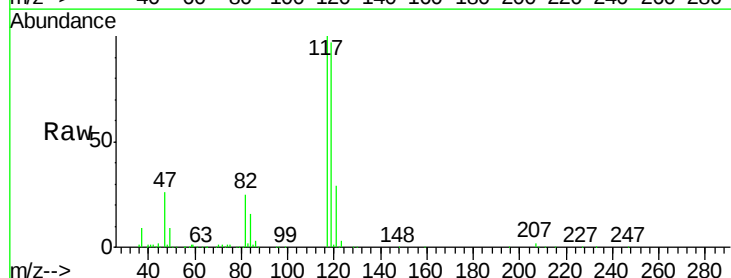
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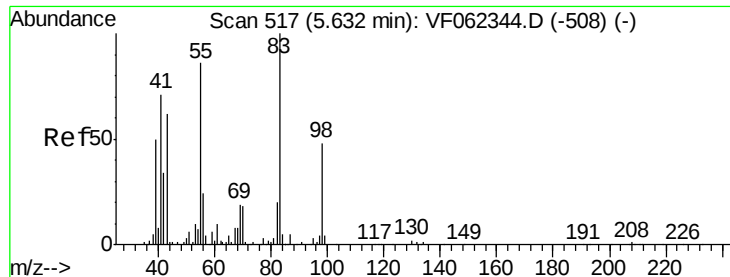
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#38
Carbon Tetrachloride
Concen: 65.354 ug/l m
RT: 4.21 min Scan# 373
Delta R.T. 0.02 min
Lab File: VF062559.D
Acq: 13 May 2019 23:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	73.4	110.2
121	28.7	27.4	41.0





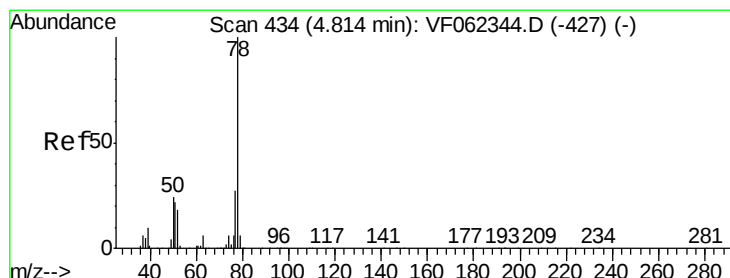
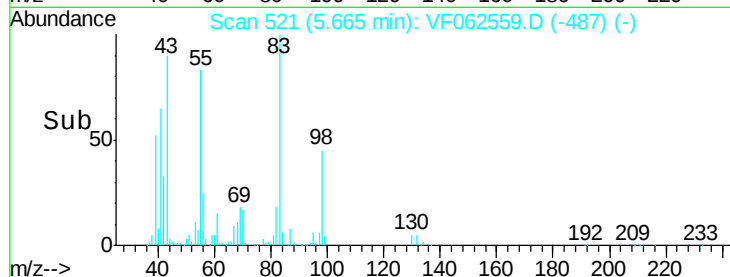
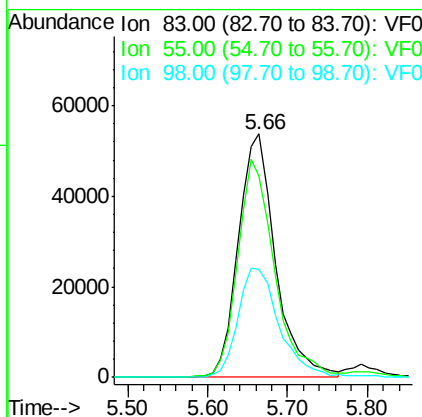
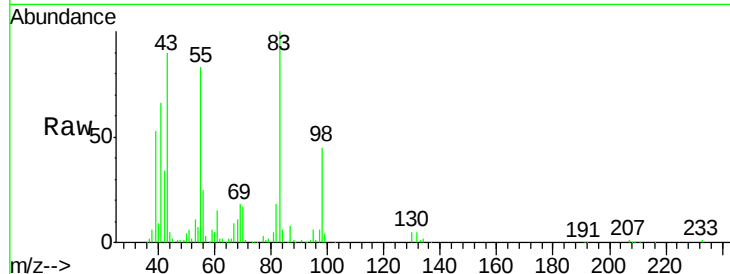
#39
Methvlcvclohexane
Concen: 48.432 ug/l
RT: 5.66 min Scan# 521
Delta R.T. 0.03 min
Lab File: VF062559.D
Acq: 13 May 2019 23:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.8	69.0	103.6
98	44.5	38.6	58.0

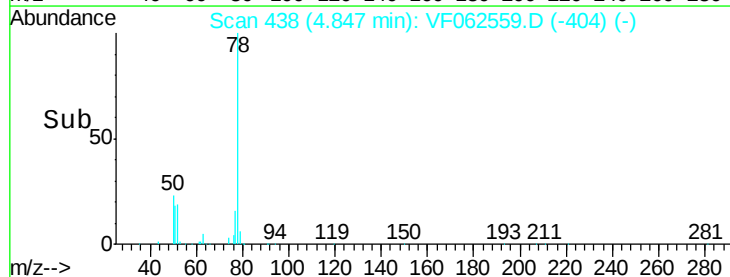
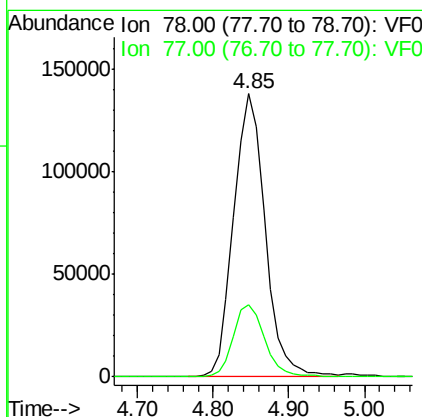
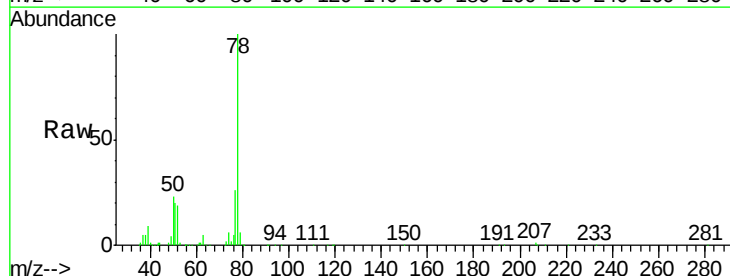
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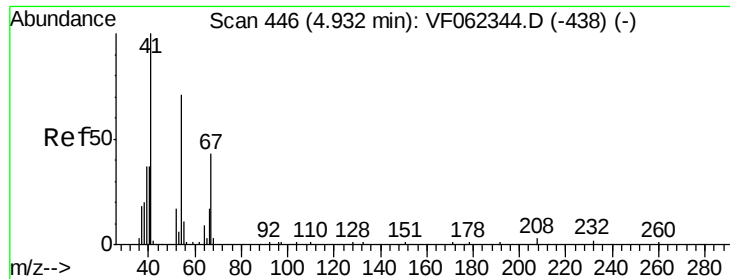
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#40
Benzene
Concen: 50.802 ug/l
RT: 4.85 min Scan# 438
Delta R.T. 0.03 min
Lab File: VF062559.D
Acq: 13 May 2019 23:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.6	21.6	32.4





#41

Methacrylonitrile

Concen: 48.182 ug/l

RT: 4.95 min Scan# 449

Delta R.T. 0.02 min

Lab File: VF062559.D

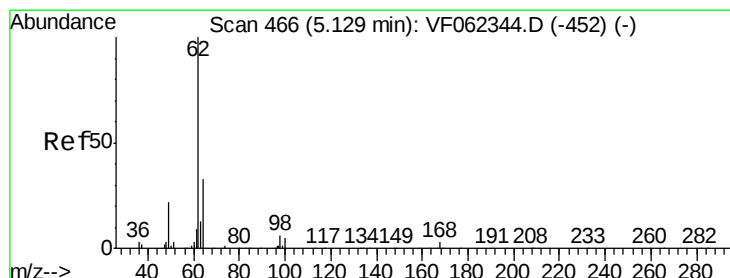
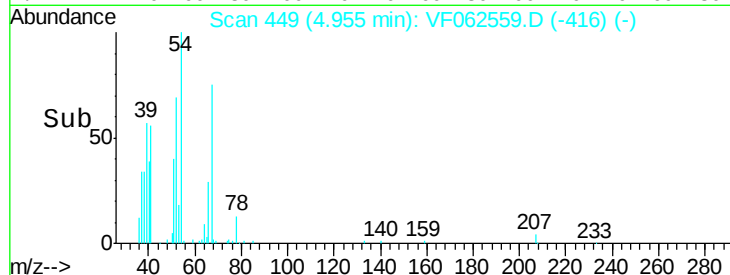
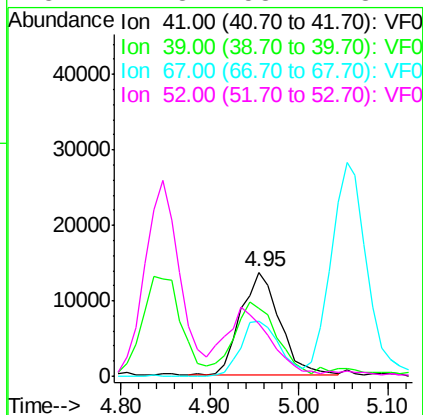
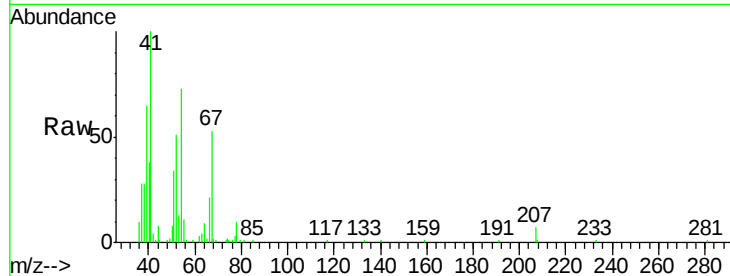
Acq: 13 May 2019 23:23

Tot Ion:	41	Resp:	41352
Ion	Ratio	Lower	Upper
41	100		
39	74.9	54.3	81.5
67	53.2	37.8	56.8
52	77.8	58.2	87.4

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 53.585 ug/l

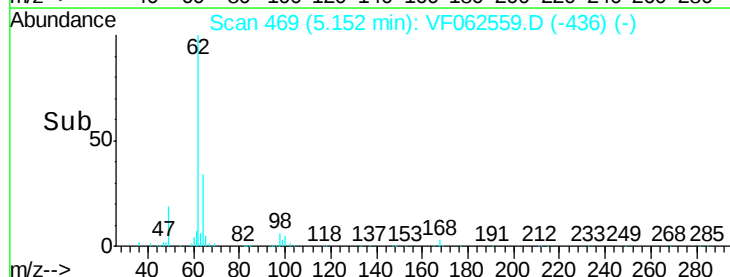
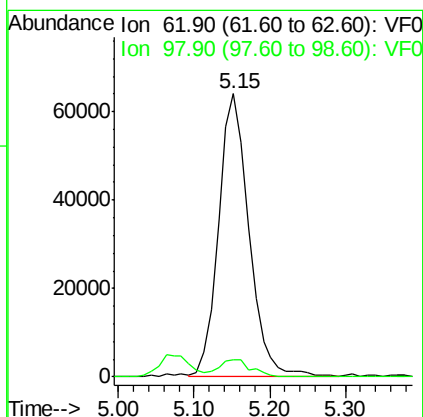
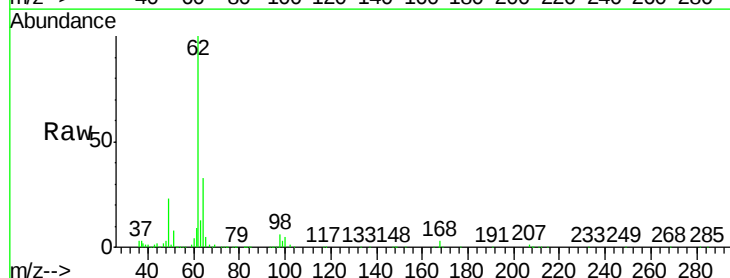
RT: 5.15 min Scan# 469

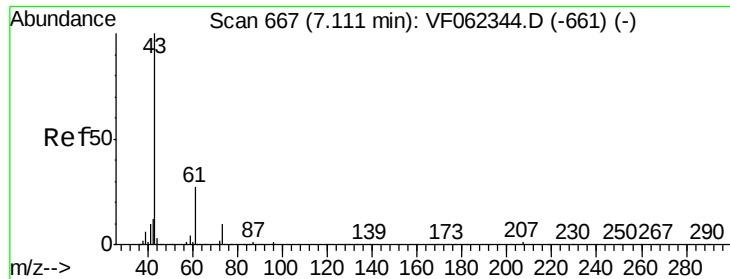
Delta R.T. 0.02 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Tgt Ion:	62	Resp:	176641
Ion	Ratio	Lower	Upper
62	100		
98	6.8	0.0	12.4





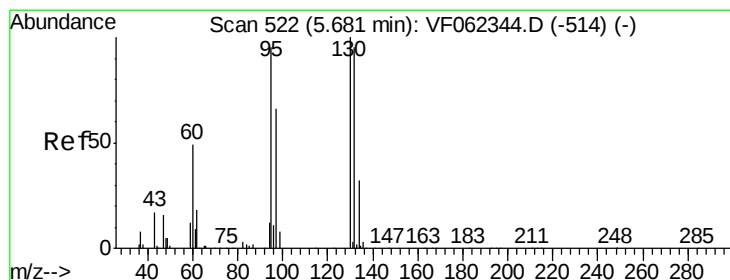
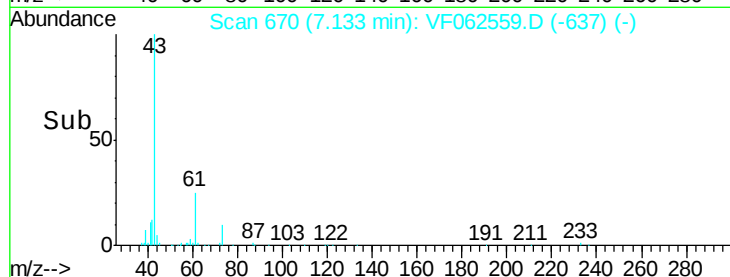
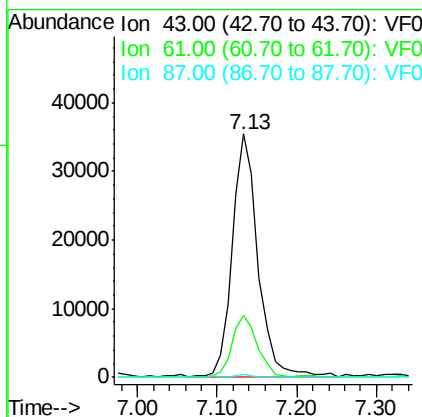
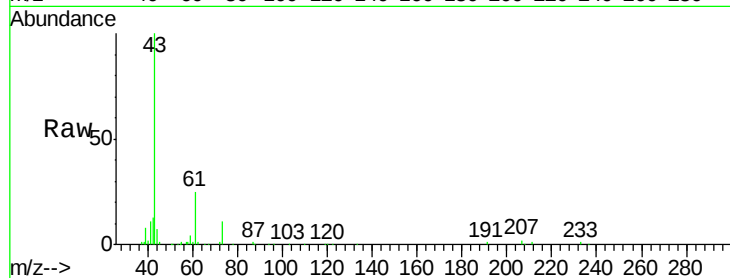
#43
Isopropyl Acetate
Concen: 49.391 ug/l
RT: 7.13 min Scan# 670
Delta R.T. 0.02 min
Lab File: VF062559.D
Acq: 13 May 2019 23:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.7	22.8	34.2
87	0.9	0.6	1.0

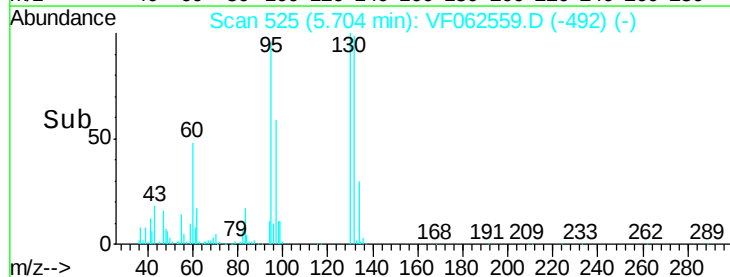
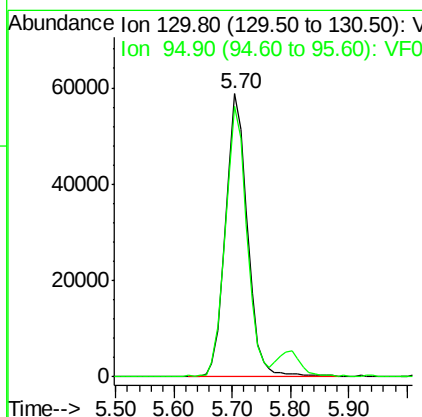
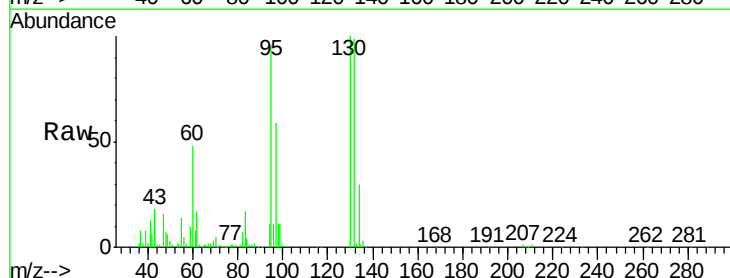
Manual Integrations
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#44
Trichloroethene
Concen: 53.244 ug/l
RT: 5.70 min Scan# 525
Delta R.T. 0.02 min
Lab File: VF062559.D
Acq: 13 May 2019 23:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	189.0





#45

1,2-Dichloropropane

Concen: 54.586 ug/l

RT: 6.43 min Scan# 599

Delta R.T. 0.03 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 97449

Ion Ratio Lower Upper

63 100

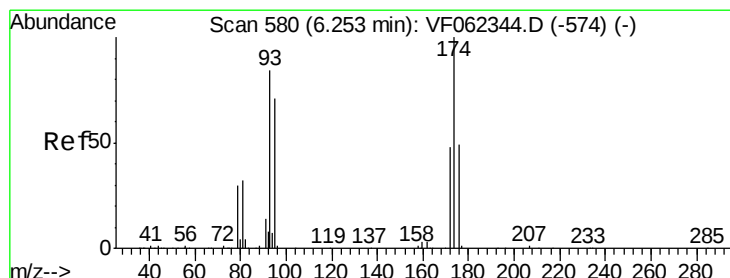
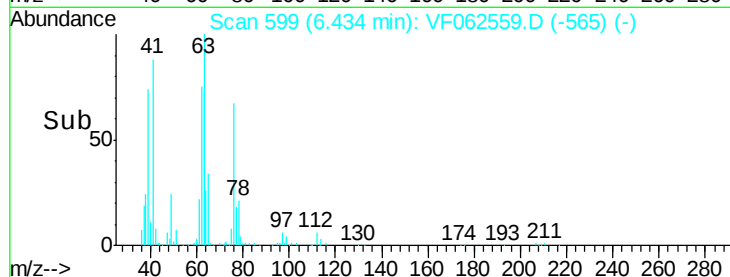
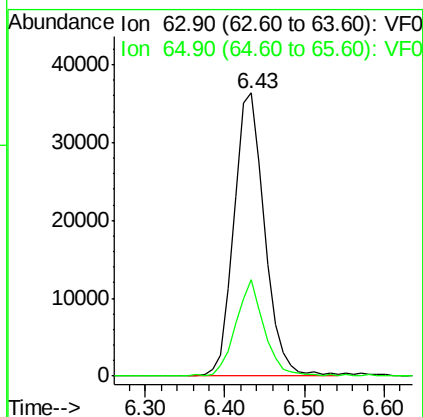
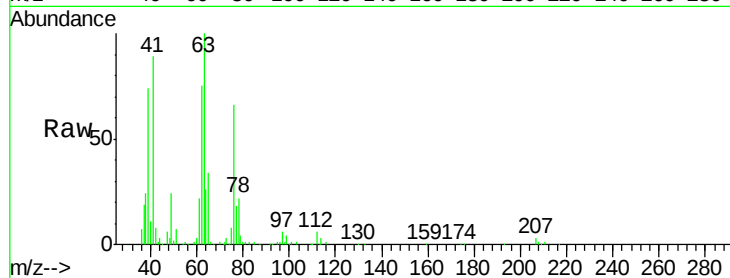
65 34.0 25.6 38.4

Manual Integrations

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#46

Dibromomethane

Concen: 56.807 ug/l

RT: 6.29 min Scan# 584

Delta R.T. 0.03 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

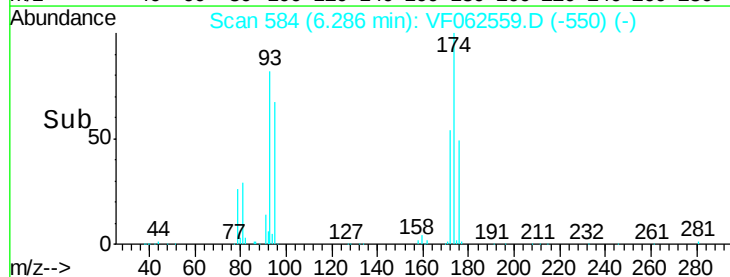
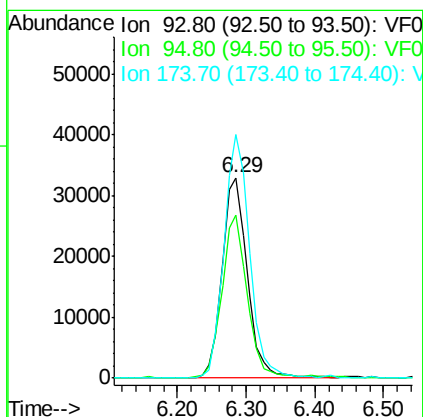
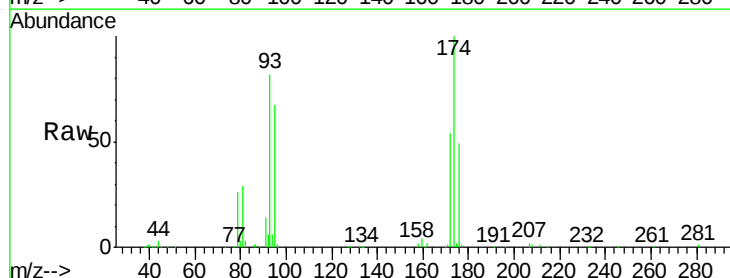
Tgt Ion: 93 Resp: 84085

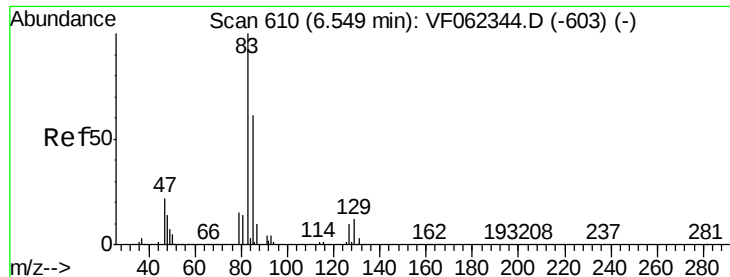
Ion Ratio Lower Upper

93 100

95 80.7 68.4 102.6

174 122.3 99.6 149.4





#47

Bromodichloromethane

Concen: 54.313 ug/l

RT: 6.58 min Scan# 614

Delta R.T. 0.03 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Instrument :

MSVOA_F

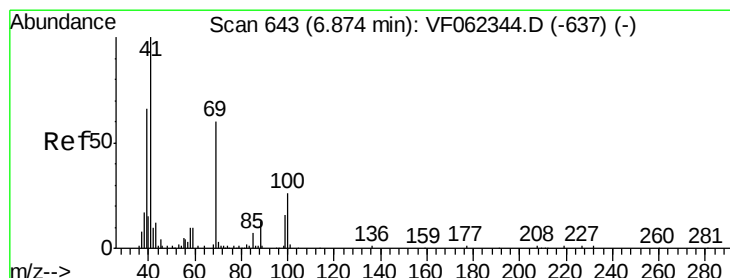
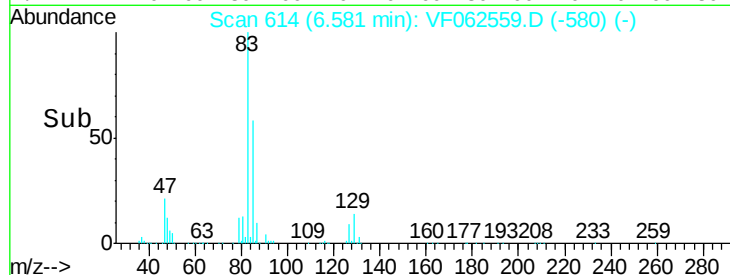
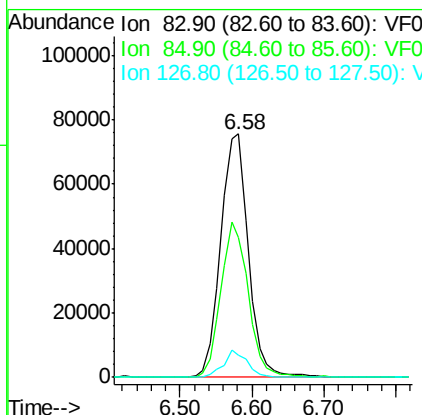
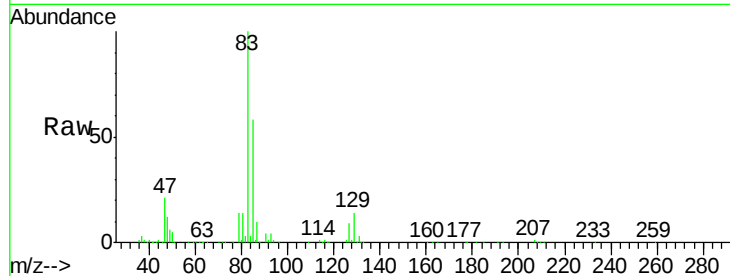
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	200996
Ion Ratio	Lower	Upper	
83	100		
85	57.6	49.1	73.7
127	9.2	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.757 ug/l

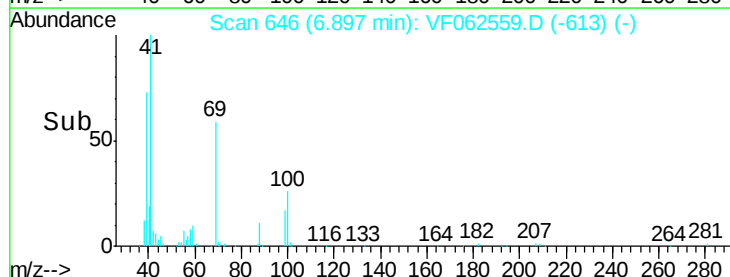
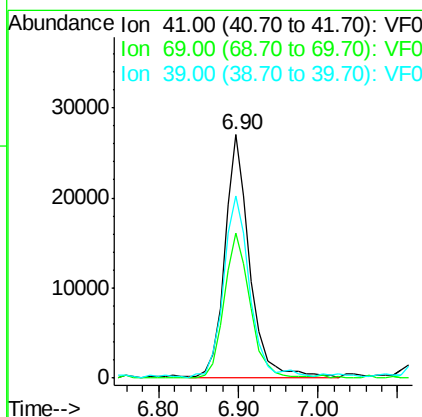
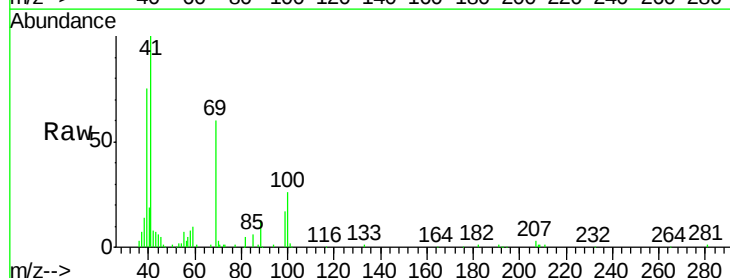
RT: 6.90 min Scan# 646

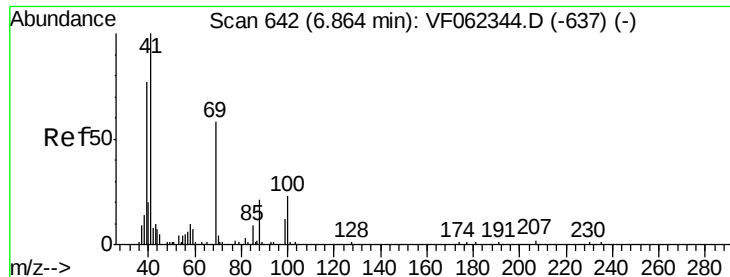
Delta R.T. 0.02 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Tgt Ion:	41	Resp:	58396
Ion Ratio	Lower	Upper	
41	100		
69	63.4	48.6	72.8
39	80.8	56.1	84.1





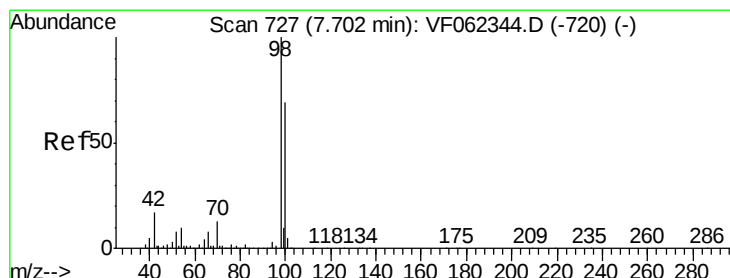
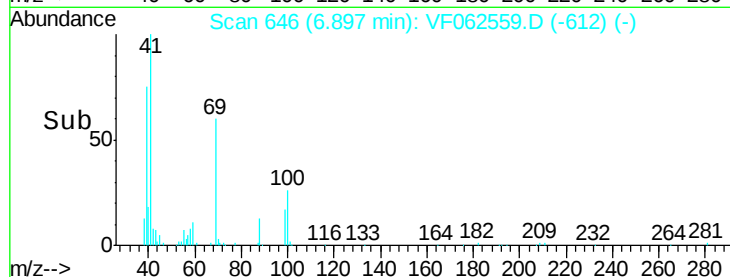
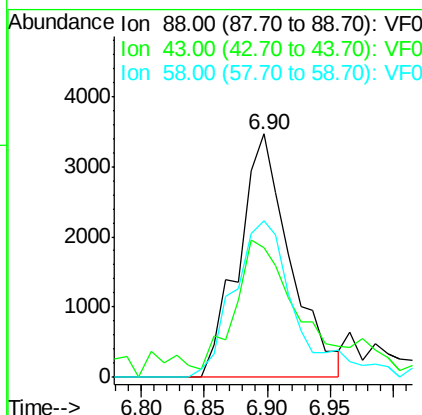
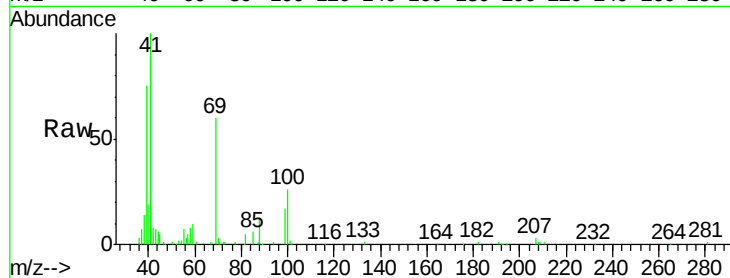
#49
1,4-Dioxane
Concen: 831.842 ug/l
RT: 6.90 min Scan# 646
Delta R.T. 0.03 min
Lab File: VF062559.D
Acq: 13 May 2019 23:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	61.0	55.6	83.4
58	77.0	52.8	79.2

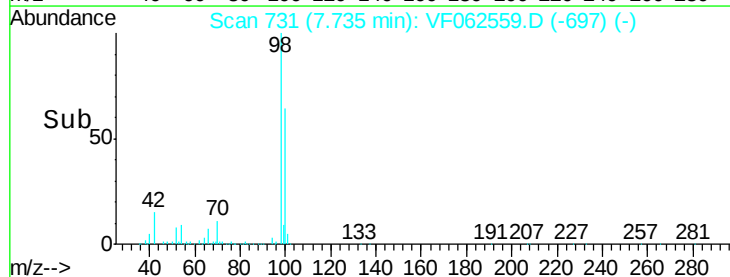
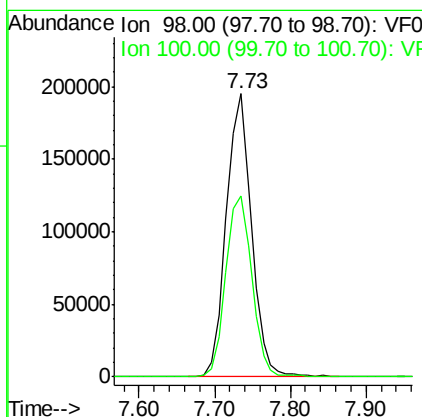
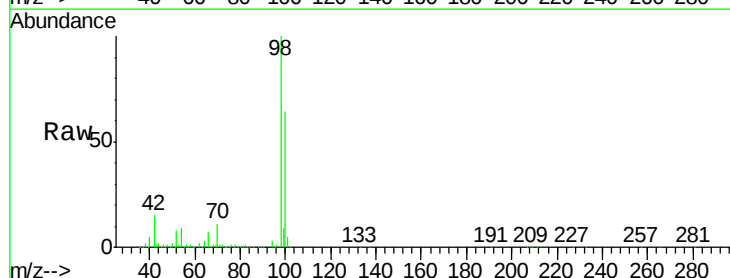
Manual Integrations
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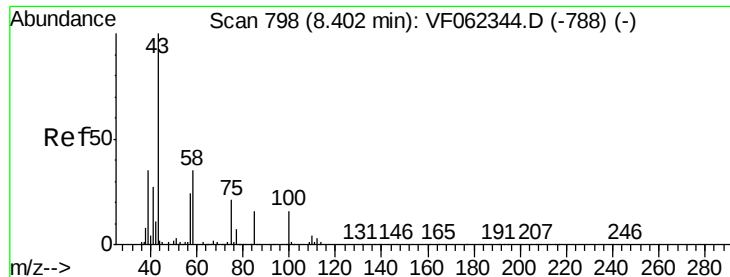
MMDadoda
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#50
Toluene-d8
Concen: 56.077 ug/l
RT: 7.73 min Scan# 731
Delta R.T. 0.03 min
Lab File: VF062559.D
Acq: 13 May 2019 23:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 273.232 ug/l

RT: 8.42 min Scan# 801

Delta R.T. 0.02 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 337067

Ion Ratio Lower Upper

43 100

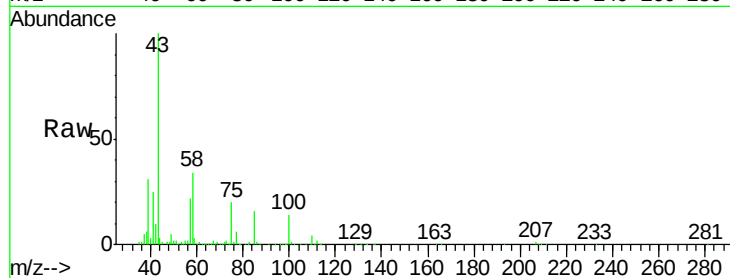
58 34.3 27.8 41.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

150000

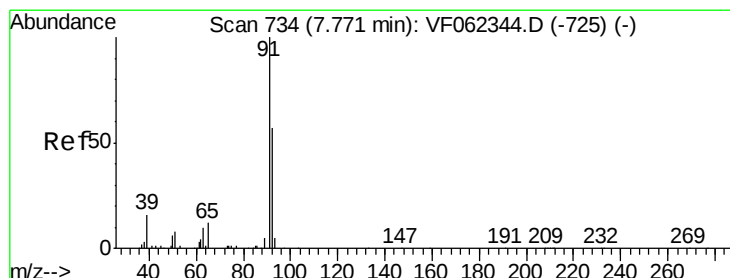
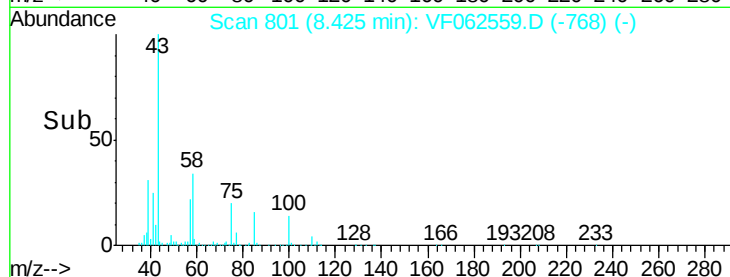
100000

50000

0

8.30 8.40 8.50 8.60

Time-->



#52

Toluene

Concen: 53.143 ug/l

RT: 7.80 min Scan# 738

Delta R.T. 0.03 min

Lab File: VF062559.D

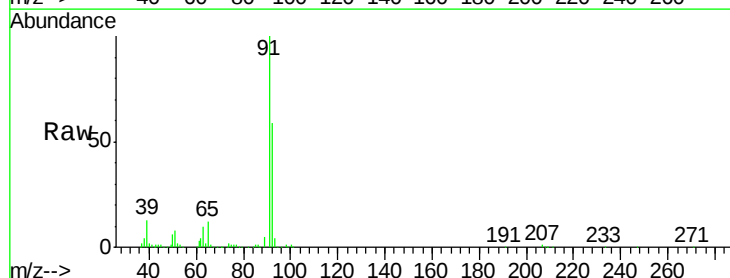
Acq: 13 May 2019 23:23

Tgt Ion: 92 Resp: 258399

Ion Ratio Lower Upper

92 100

91 169.1 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

200000

150000

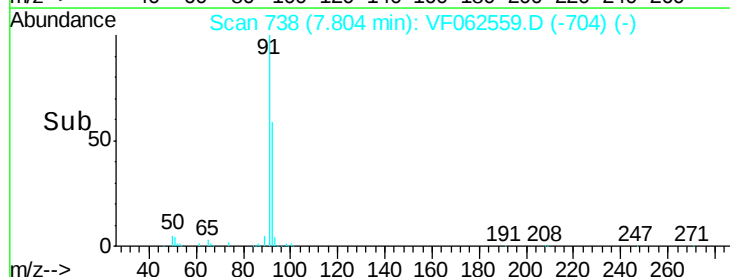
100000

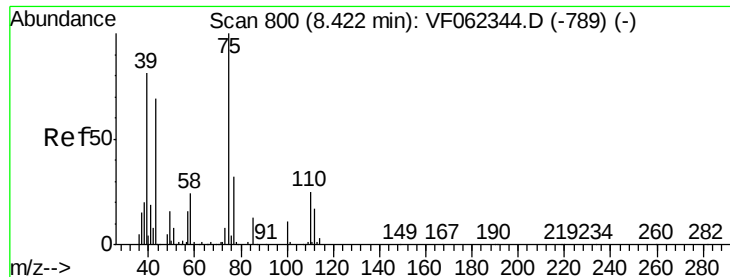
50000

0

7.70 7.80 7.90

Time-->





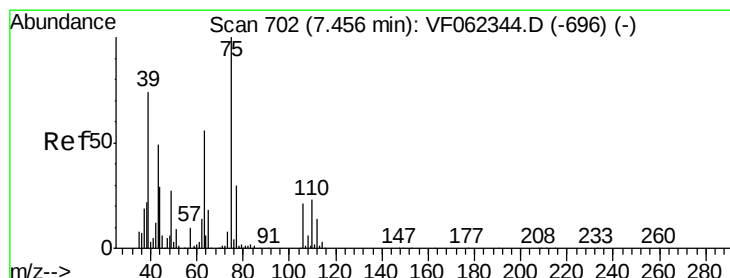
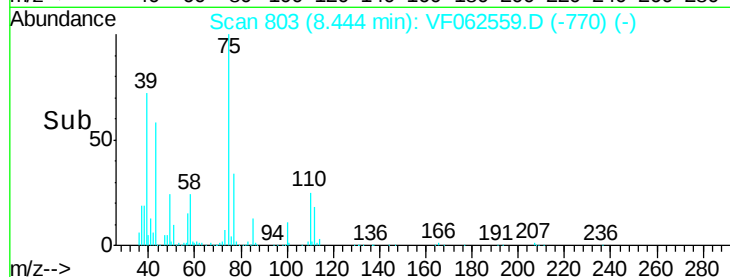
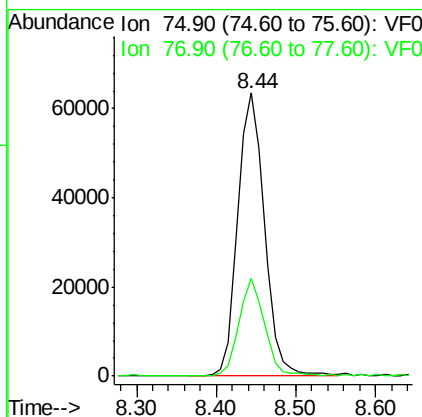
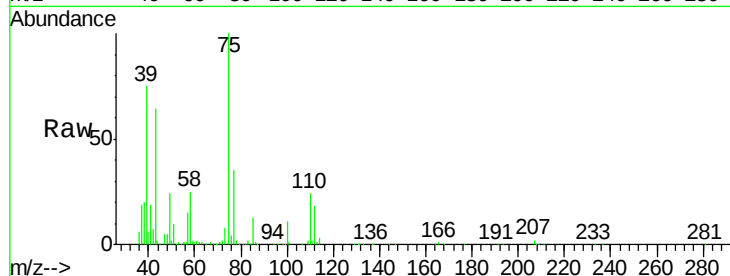
#53
t-1,3-Dichloropropene
Concen: 52.524 ug/l
RT: 8.44 min Scan# 803
Delta R.T. 0.02 min
Lab File: VF062559.D
Acq: 13 May 2019 23:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 147012
Ion Ratio Lower Upper
75 100
77 34.4 25.4 38.0

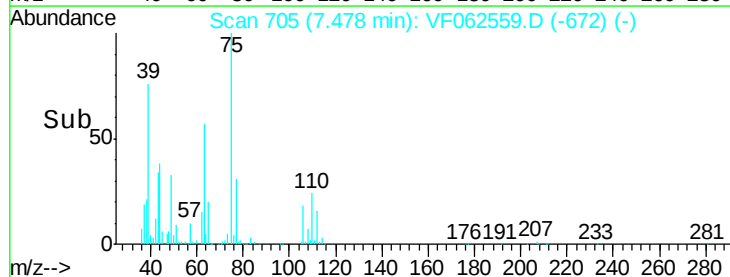
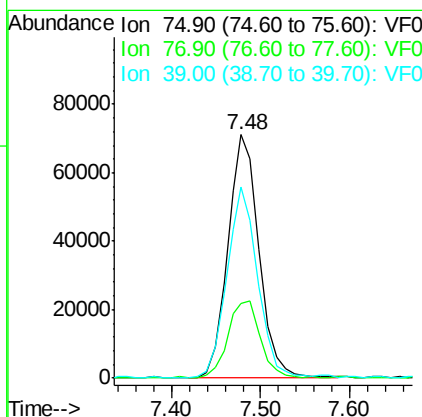
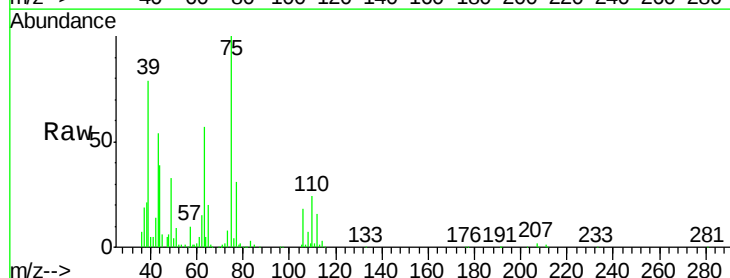
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#54
cis-1,3-Dichloropropene
Concen: 53.356 ug/l
RT: 7.48 min Scan# 705
Delta R.T. 0.02 min
Lab File: VF062559.D
Acq: 13 May 2019 23:23

Tgt Ion: 75 Resp: 173808
Ion Ratio Lower Upper
75 100
77 30.5 24.0 36.0
39 78.2 58.7 88.1





#55

1,1,2-Trichloroethane

Concen: 59.567 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.02 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Instrument :

MSVOA_F

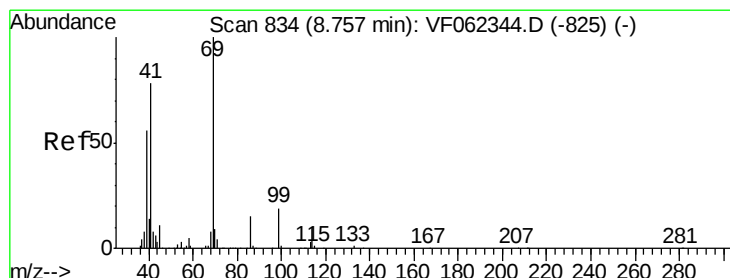
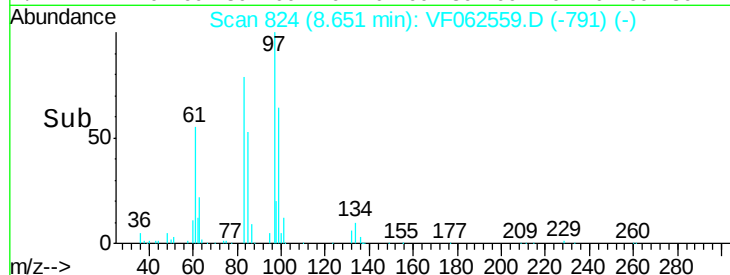
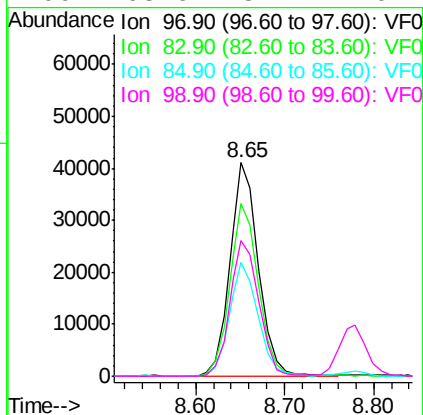
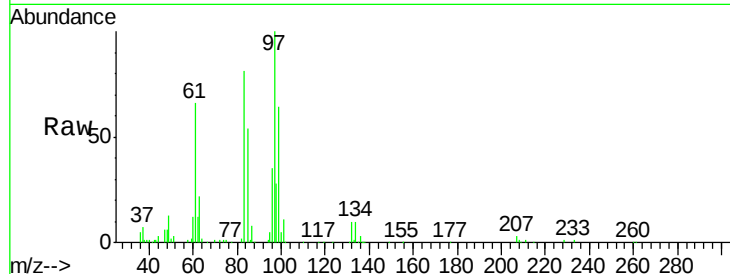
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	91945
Ion	Ratio	Lower	Upper
97	100		
83	80.7	68.5	102.7
85	53.6	45.4	68.2
99	63.6	52.7	79.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 49.611 ug/l

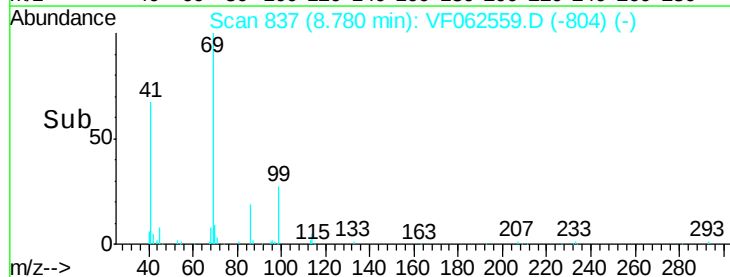
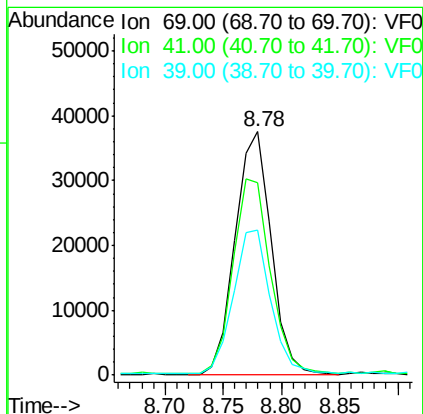
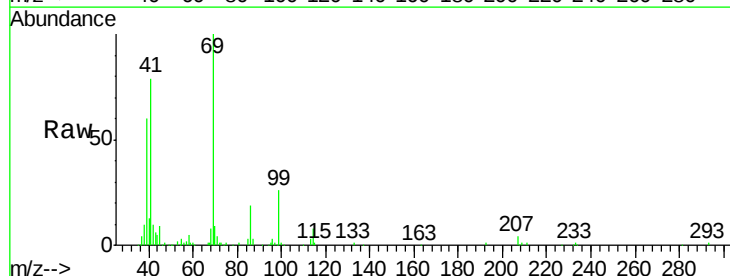
RT: 8.78 min Scan# 837

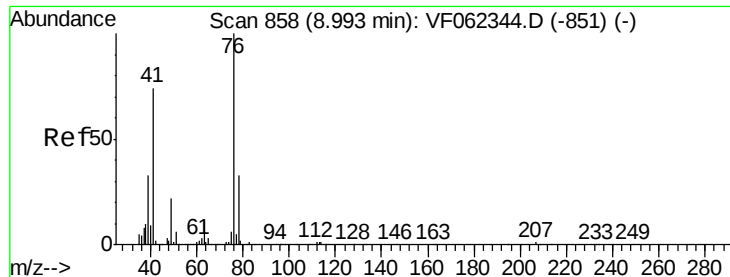
Delta R.T. 0.02 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Tgt Ion:	69	Resp:	80835
Ion	Ratio	Lower	Upper
69	100		
41	83.1	66.3	99.5
39	61.0	50.1	75.1





#57

1,3-Dichloropropane

Concen: 59.294 ug/l

RT: 9.02 min Scan# 861

Delta R.T. 0.02 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 138247

Ion Ratio Lower Upper

76 100

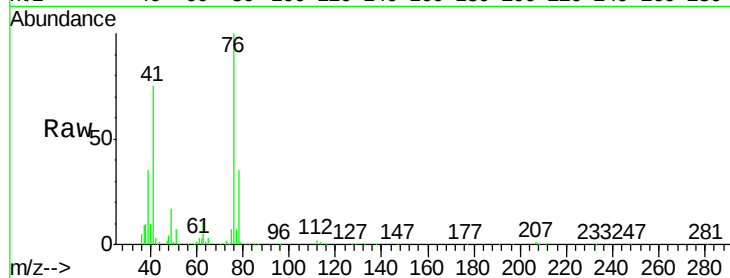
78 33.1 26.4 39.6

Manual Integrations

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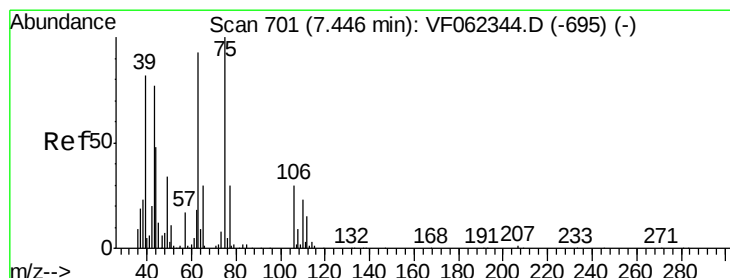
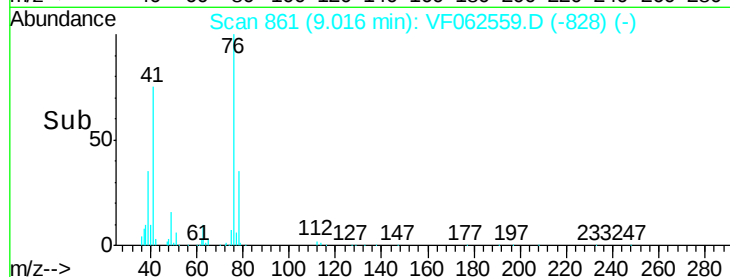
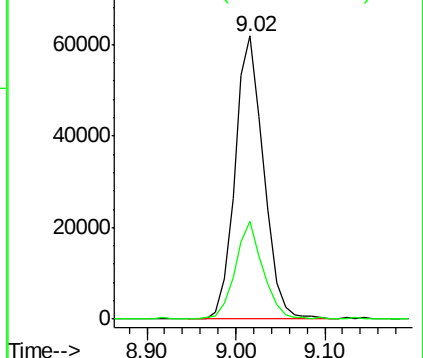
MMDadoda

5/14/2019 11:34:44 AM



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 241.449 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.02 min

Lab File: VF062559.D

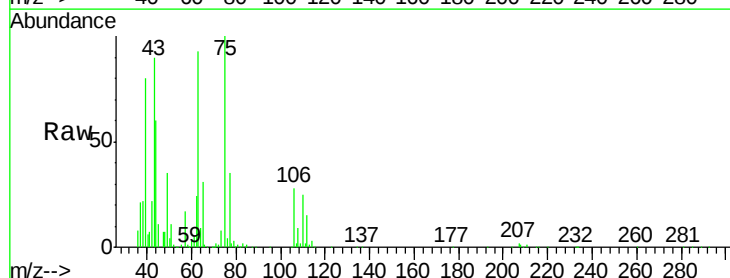
Acq: 13 May 2019 23:23

Tgt Ion: 63 Resp: 118277

Ion Ratio Lower Upper

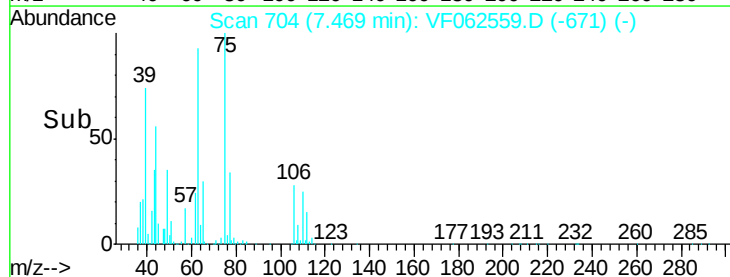
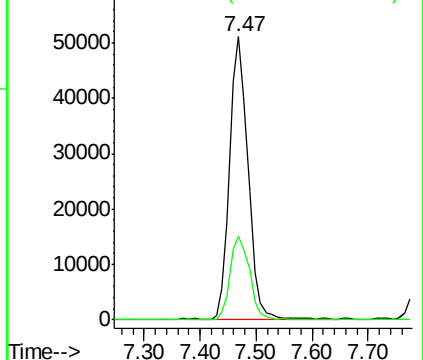
63 100

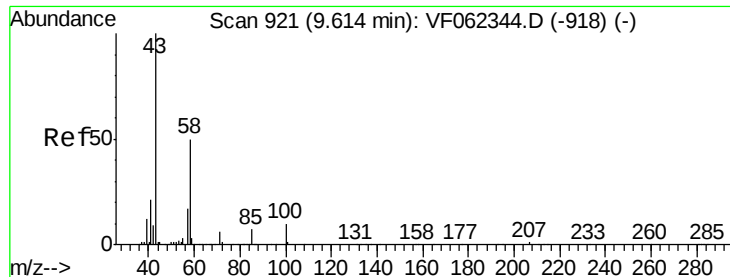
106 30.8 25.8 38.8



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V





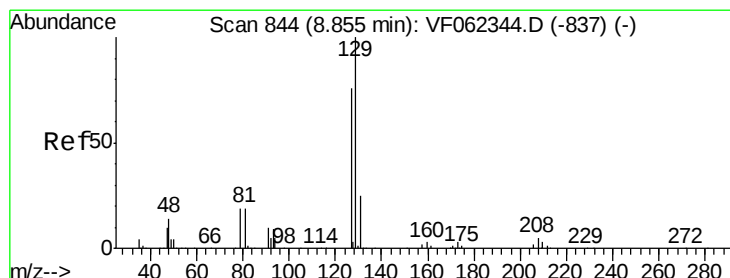
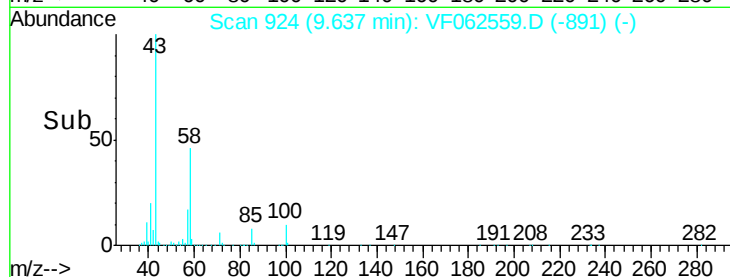
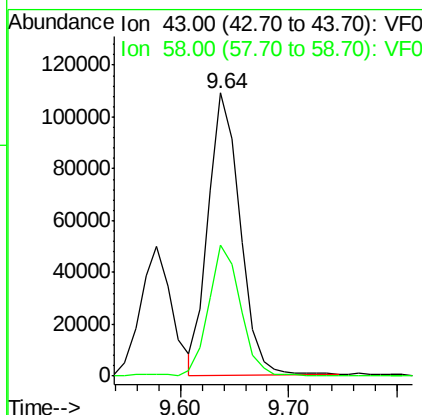
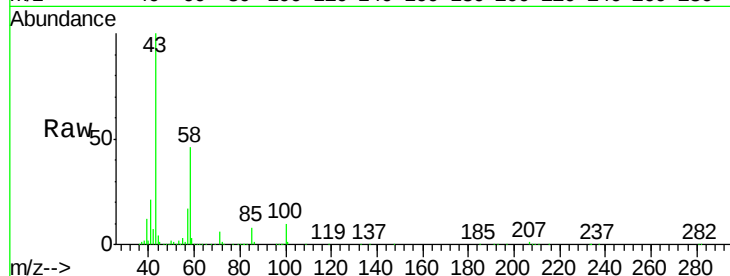
#59
2-Hexanone
Concen: 261.354 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.02 min
Lab File: VF062559.D
Acq: 13 May 2019 23:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 222982
Ion Ratio Lower Upper
43 100
58 47.7 24.3 73.0

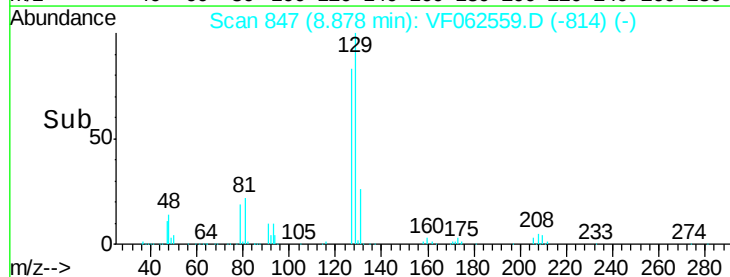
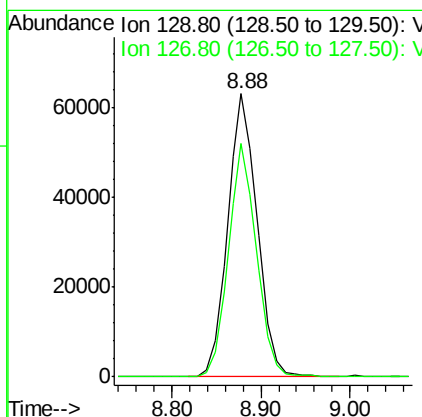
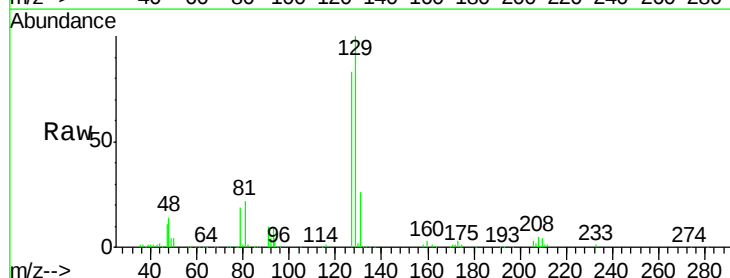
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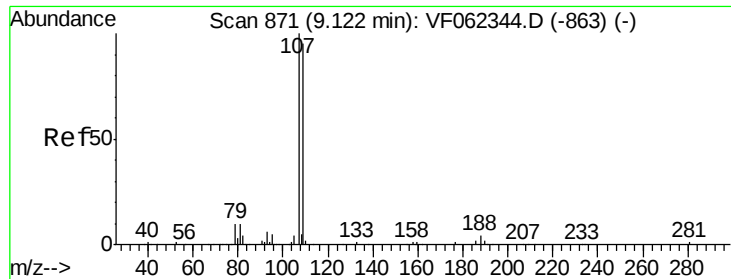
MMDadoda
5/14/2019 11:34:44 AM



#60
Dibromochloromethane
Concen: 57.965 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.02 min
Lab File: VF062559.D
Acq: 13 May 2019 23:23

Tgt Ion: 129 Resp: 146334
Ion Ratio Lower Upper
129 100
127 78.6 38.5 115.3





#61

1,2-Dibromoethane

Concen: 55.311 ug/l

RT: 9.15 min Scan# 875

Delta R.T. 0.03 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 100343

Ion Ratio Lower Upper

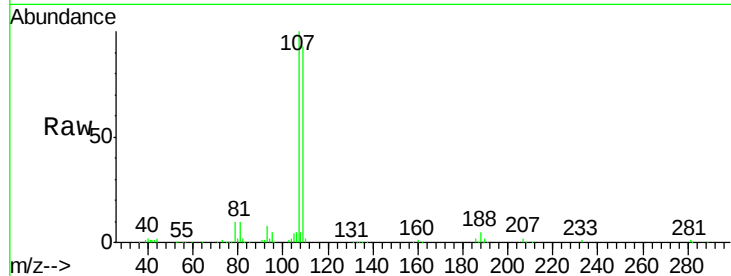
107 100

109 96.7 75.2 112.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.15

50000

40000

30000

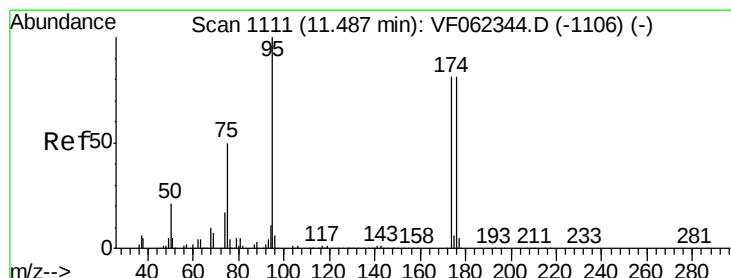
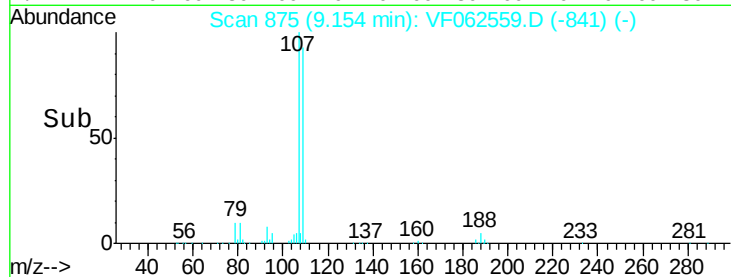
20000

10000

0

Time-->

9.10 9.20 9.30



#62

4-Bromofluorobenzene

Concen: 57.725 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.02 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

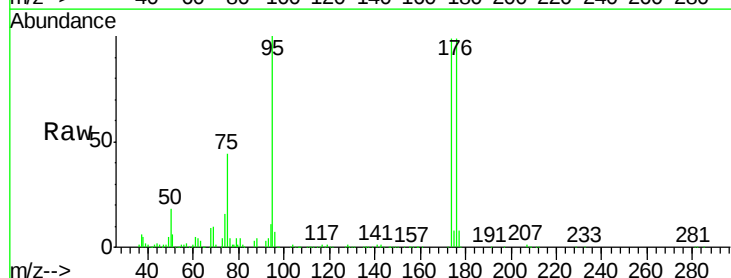
Tgt Ion: 95 Resp: 209266

Ion Ratio Lower Upper

95 100

174 97.2 0.0 191.8

176 96.8 0.0 193.2



Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.51

150000

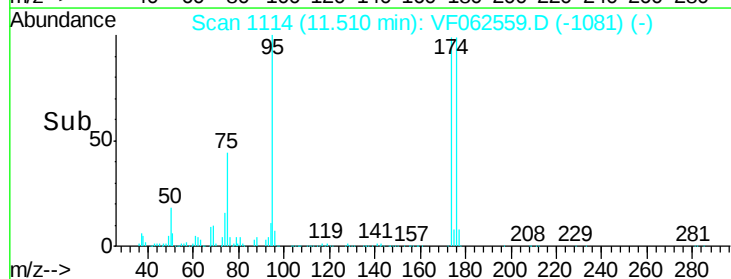
100000

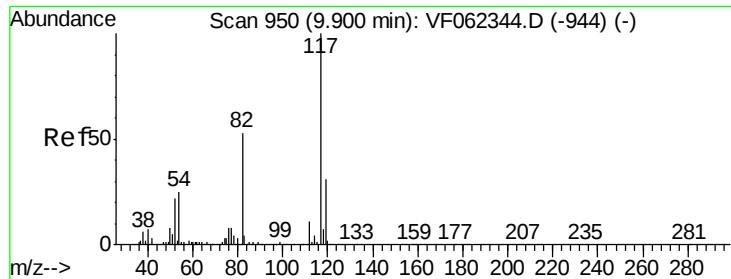
50000

0

Time-->

11.40 11.50 11.60





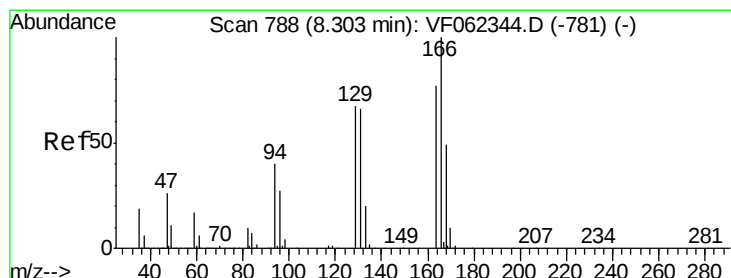
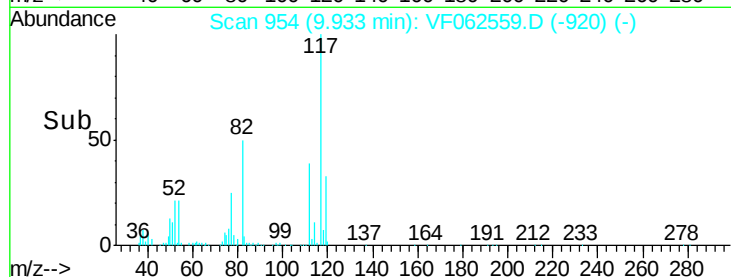
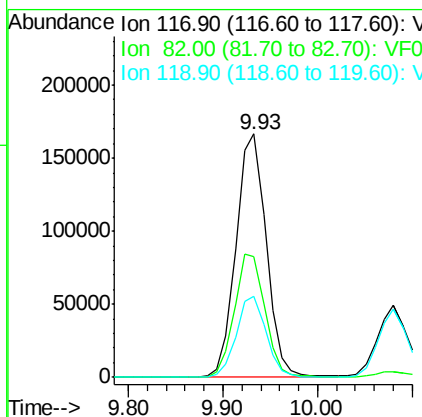
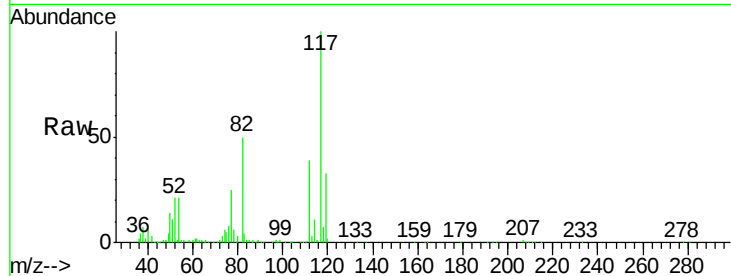
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.03 min
Lab File: VF062559.D
Acq: 13 May 2019 23:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	370612		
82	49.7		42.2	63.2
119	33.3		25.0	37.4

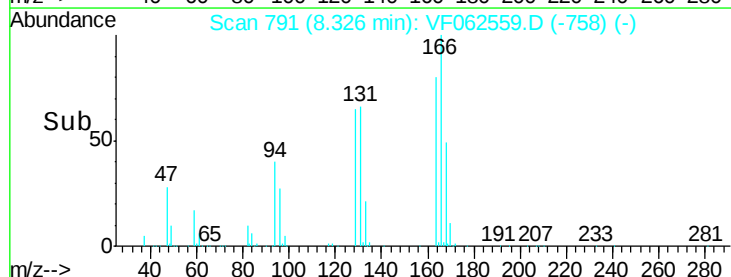
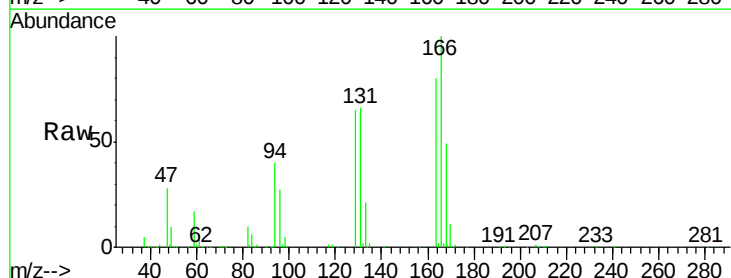
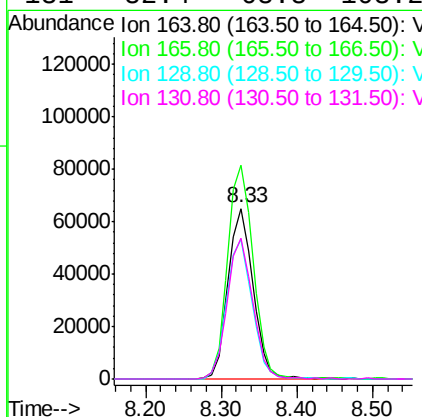
Manual Integrations
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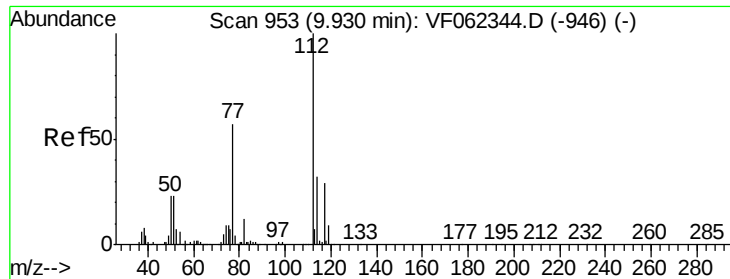
MMDadoda
5/14/2019 11:34:44 AM



#64
Tetrachloroethene
Concen: 49.602 ug/l
RT: 8.33 min Scan# 791
Delta R.T. 0.02 min
Lab File: VF062559.D
Acq: 13 May 2019 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	149239		
166	125.2		104.2	156.4
129	81.6		69.6	104.4
131	82.4		68.8	103.2





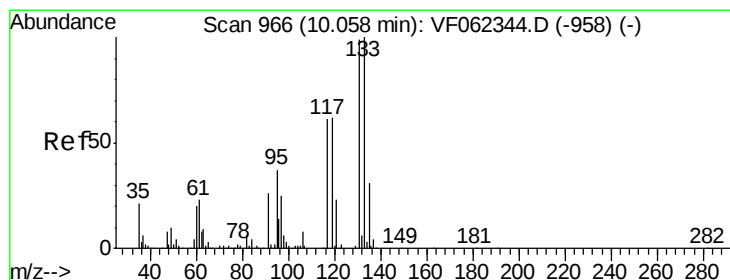
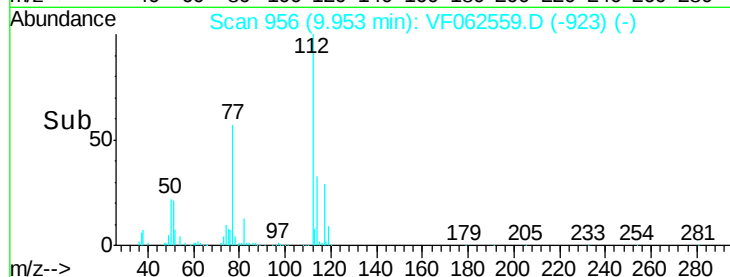
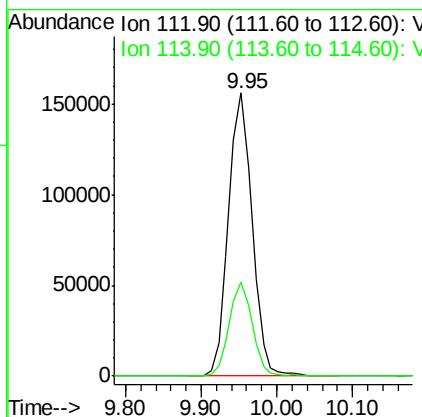
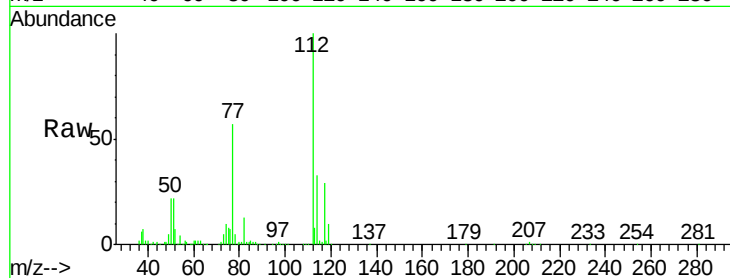
#65
Chlorobenzene
Concen: 55.200 ug/l
RT: 9.95 min Scan# 956
Delta R.T. 0.02 min
Lab File: VF062559.D
Acq: 13 May 2019 23:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 338487
Ion Ratio Lower Upper
112 100
114 33.0 25.4 38.0

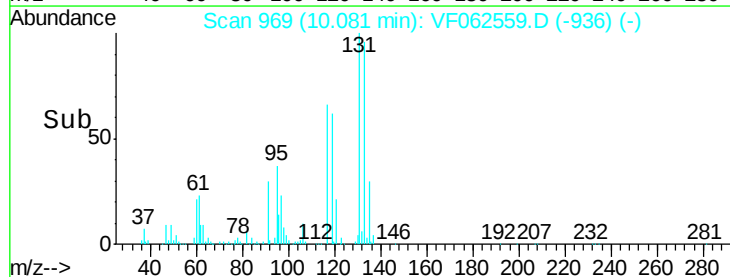
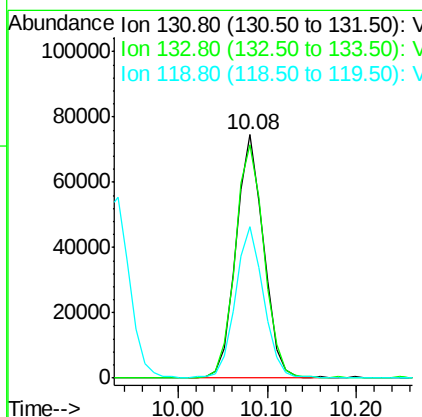
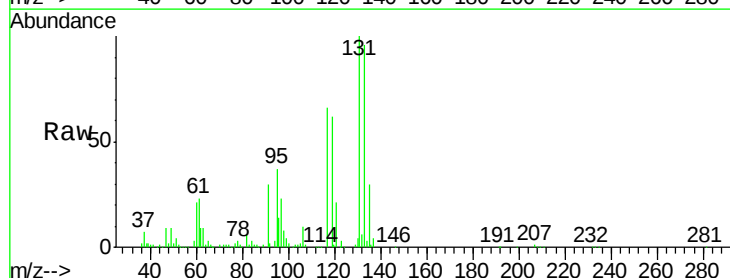
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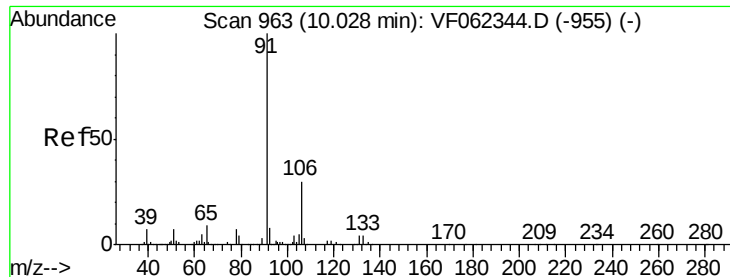
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.206 ug/l
RT: 10.08 min Scan# 969
Delta R.T. 0.02 min
Lab File: VF062559.D
Acq: 13 May 2019 23:23

Tgt Ion:131 Resp: 161493
Ion Ratio Lower Upper
131 100
133 99.4 50.2 150.7
119 63.2 31.6 95.0





#67

Ethyl Benzene

Concen: 51.968 ug/l

RT: 10.05 min Scan# 966

Delta R.T. 0.02 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 558015

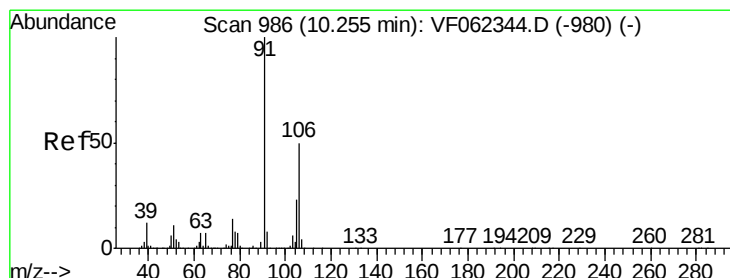
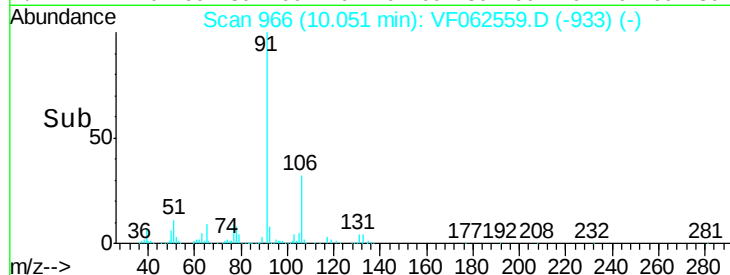
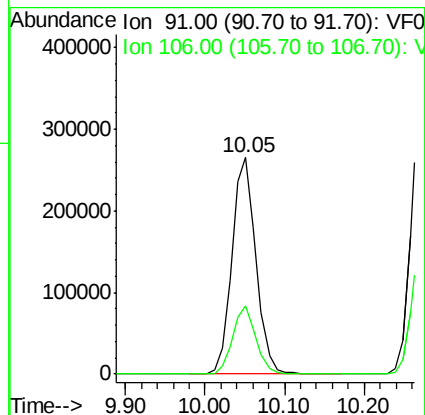
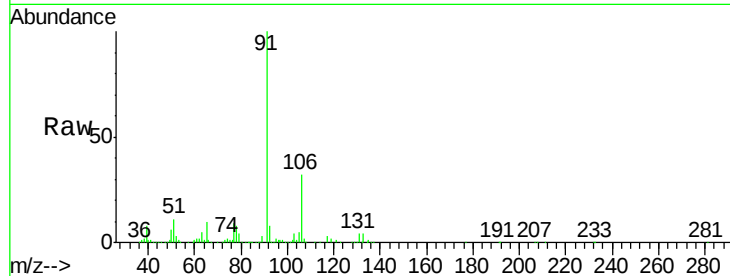
Ion Ratio Lower Upper

91 100

106 31.6 24.1 36.1

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#68

m/p-Xylenes

Concen: 103.443 ug/l

RT: 10.28 min Scan# 989

Delta R.T. 0.02 min

Lab File: VF062559.D

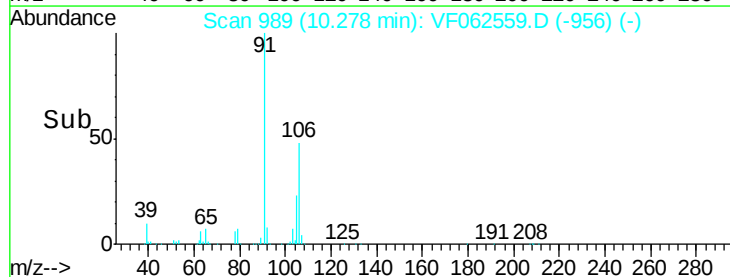
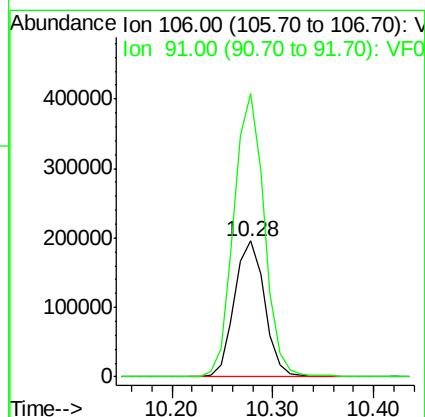
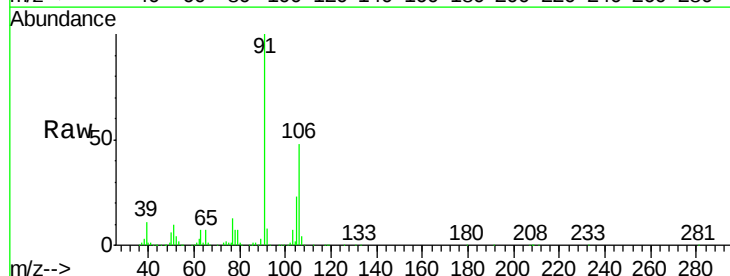
Acq: 13 May 2019 23:23

Tgt Ion: 106 Resp: 409820

Ion Ratio Lower Upper

106 100

91 209.3 167.4 251.2





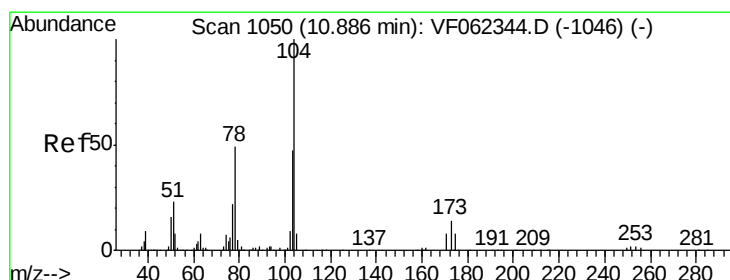
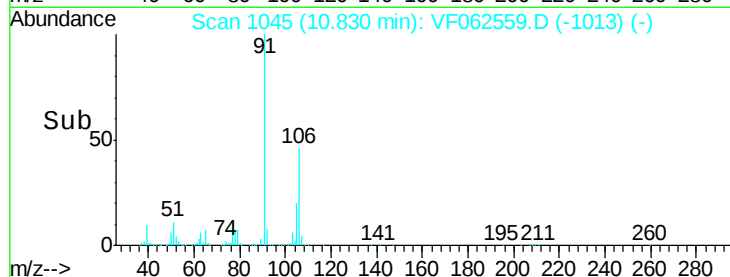
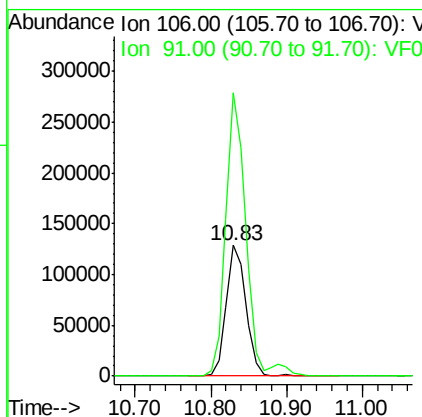
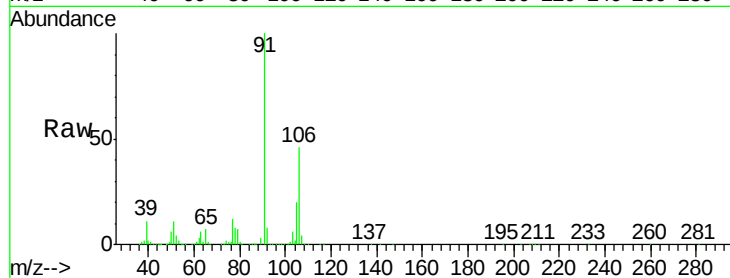
#69
o-Xylene
Concen: 54.464 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF062559.D
Acq: 13 May 2019 23:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	233160		
91	91	214.1	111.3	333.8	

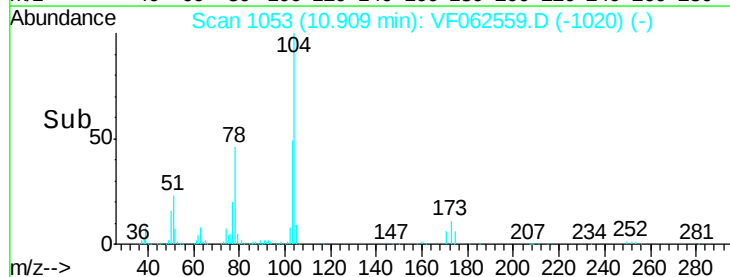
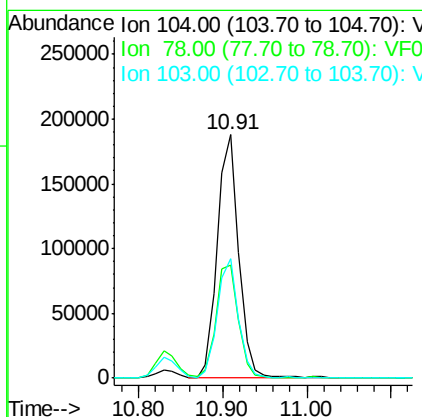
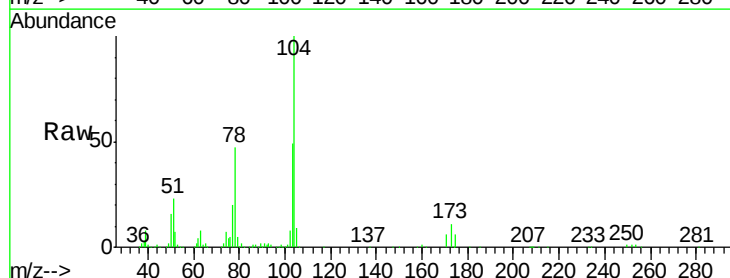
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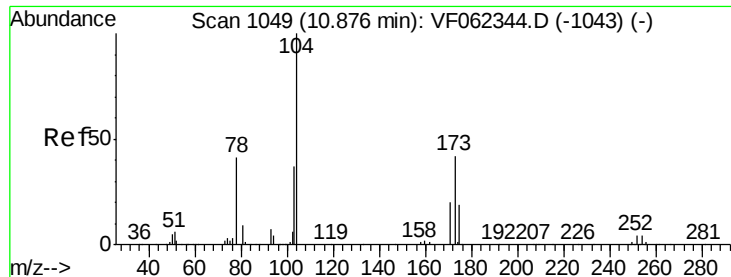
MMDadoda
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#70
Styrene
Concen: 51.613 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.02 min
Lab File: VF062559.D
Acq: 13 May 2019 23:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	331147		
78	78	48.6	39.5	59.3	
103	103	48.3	38.4	57.6	





#71

Bromoform

Concen: 53.621 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 90873

Ion Ratio Lower Upper

173 100

175 49.3 23.8 71.2

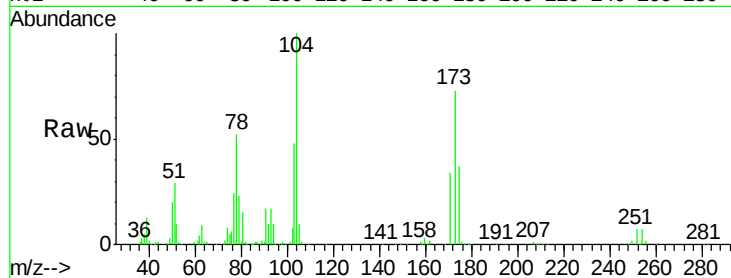
254 0.1 0.1 0.1

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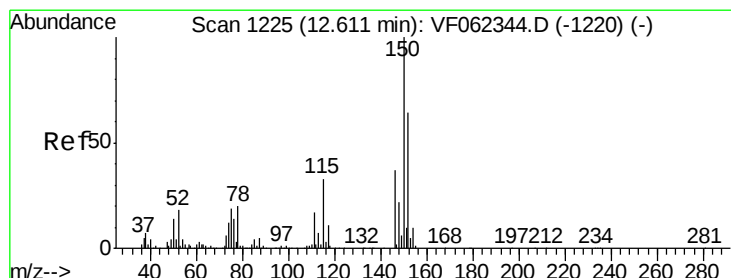
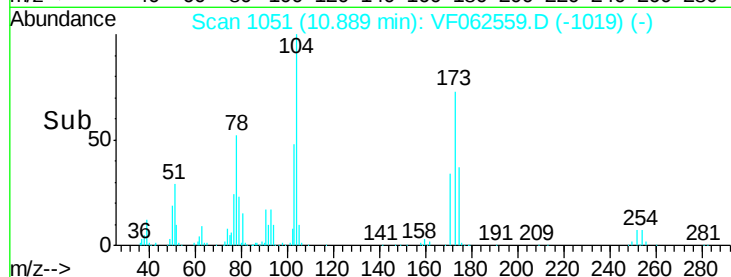
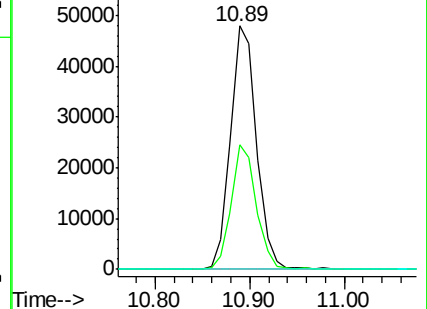
5/14/2019 11:34:44 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. 0.01 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

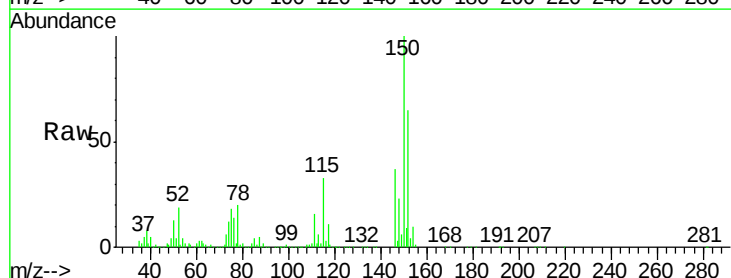
Tgt Ion:152 Resp: 229600

Ion Ratio Lower Upper

152 100

115 53.0 26.4 79.2

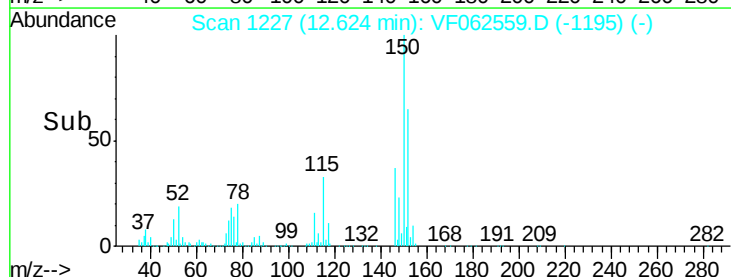
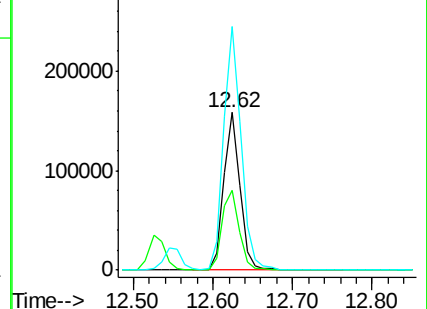
150 166.0 0.0 335.0

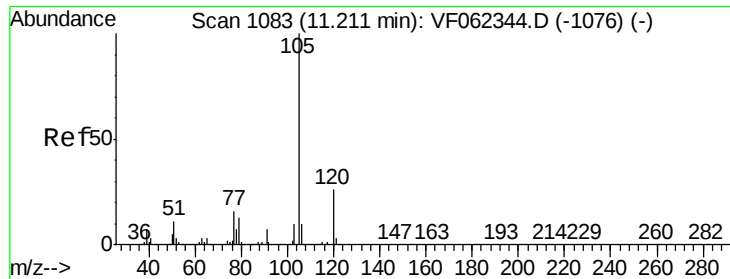


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.940 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 693369

Ion Ratio Lower Upper

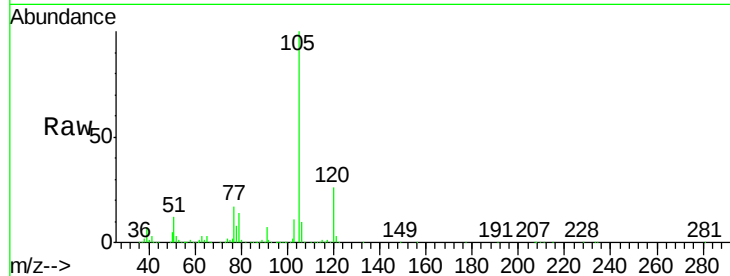
105 100

120 26.0 12.7 38.0

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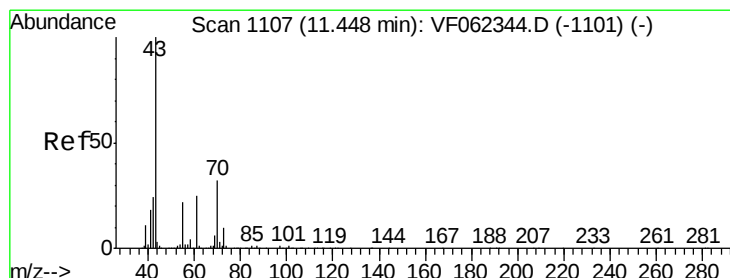
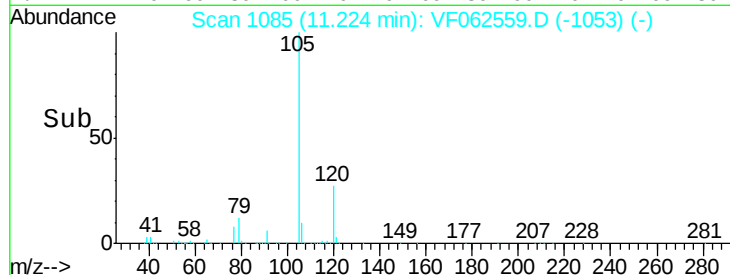
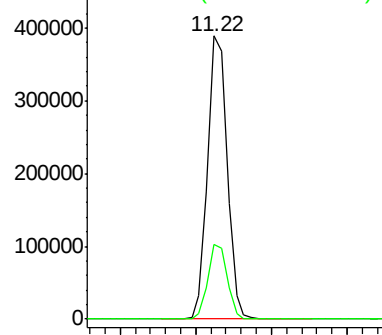
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.648 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Tgt Ion: 43 Resp: 136317

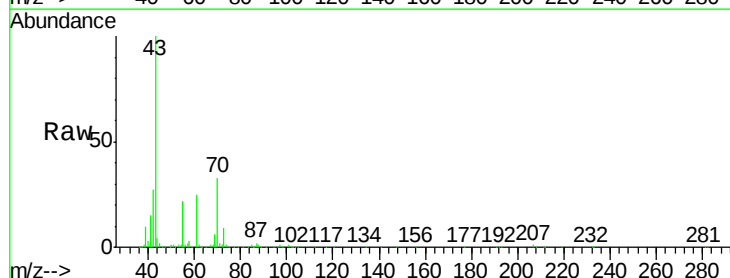
Ion Ratio Lower Upper

43 100

70 35.3 26.5 39.7

55 22.9 17.8 26.6

61 25.1 20.2 30.2

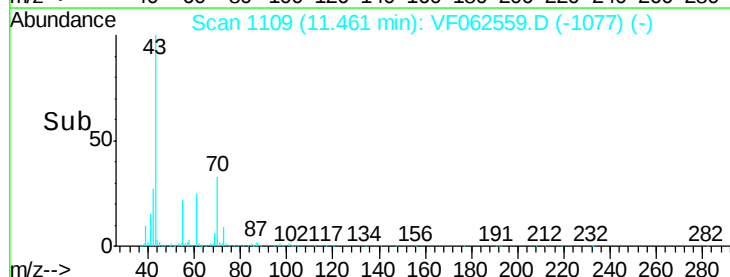
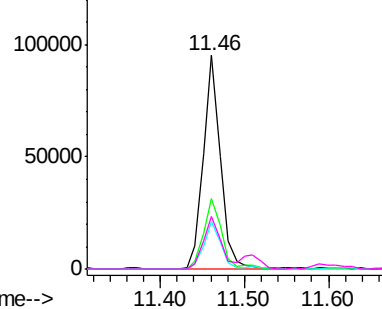


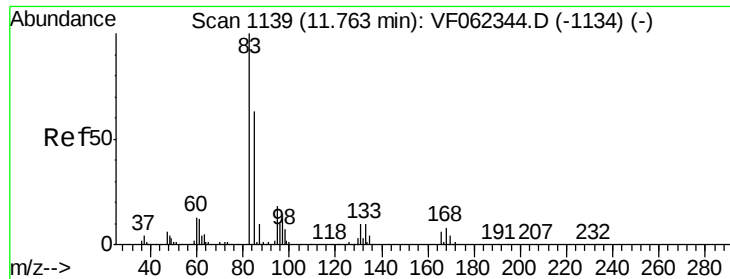
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 56.862 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Instrument :

MSVOA_F

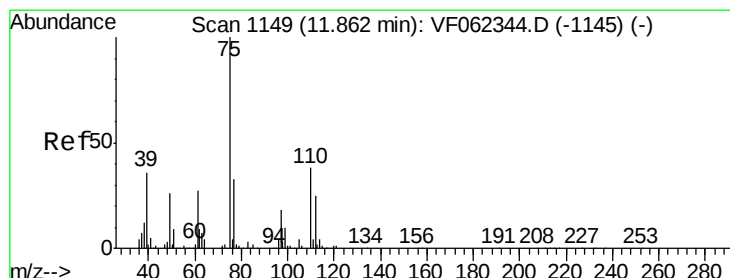
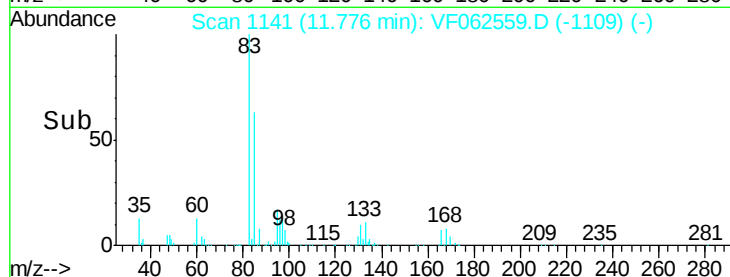
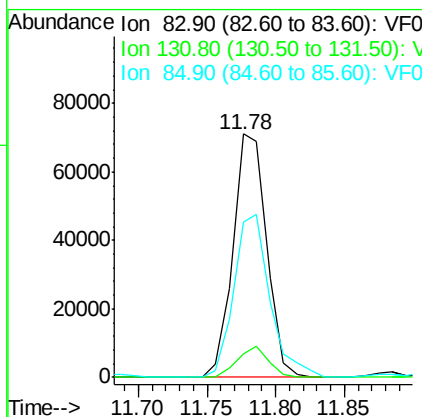
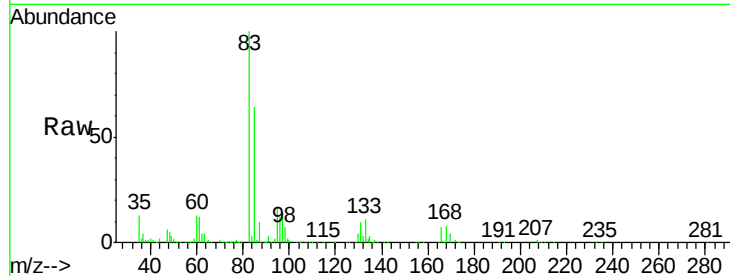
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	121186
Ion Ratio	Lower	Upper	
83	100		
131	11.9	5.8	17.4
85	72.1	35.3	105.7

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#76

1,2,3-Trichloropropane

Concen: 52.179 ug/l

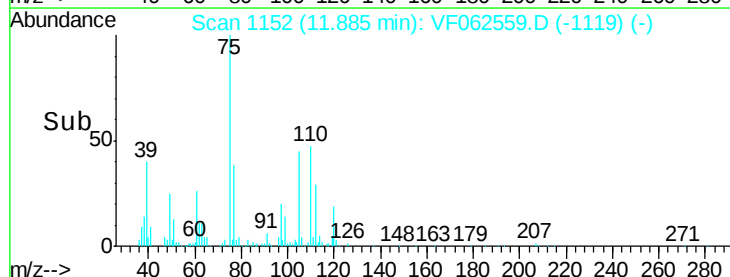
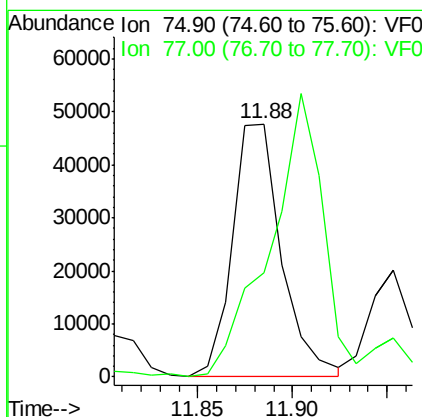
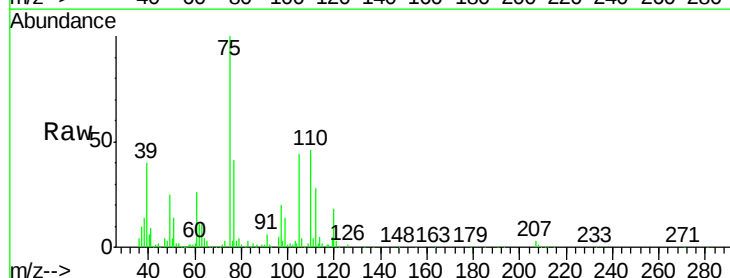
RT: 11.88 min Scan# 1152

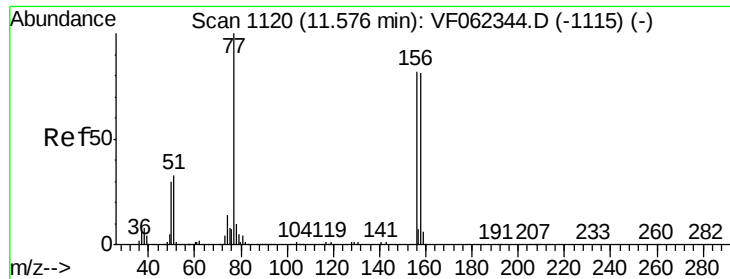
Delta R.T. 0.02 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Tgt Ion:	75	Resp:	84843
Ion Ratio	Lower	Upper	
75	100		
77	121.4	0.0	0.0#





#77

Bromobenzene

Concen: 53.045 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Instrument :

MSVOA_F

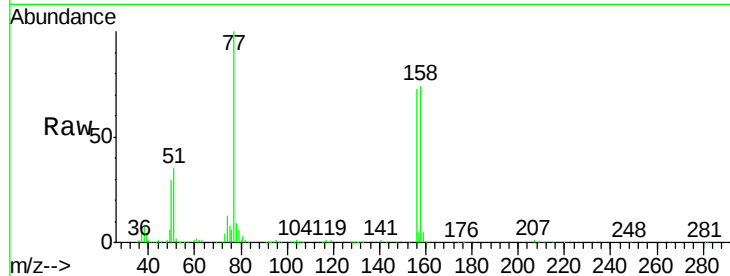
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	189493
Ion Ratio	Lower	Upper	
156	100		
77	129.6	64.8	194.3
158	100.6	49.1	147.3

Manual Integrations
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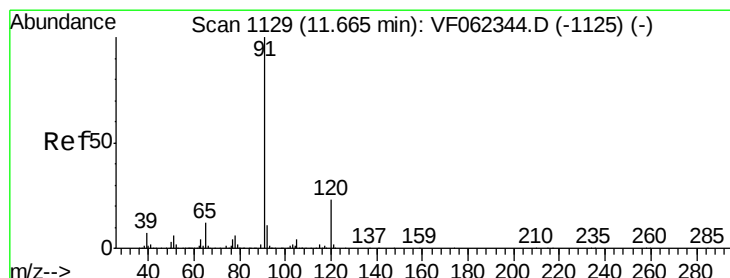
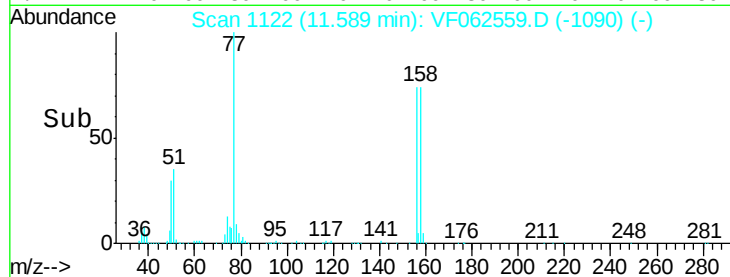
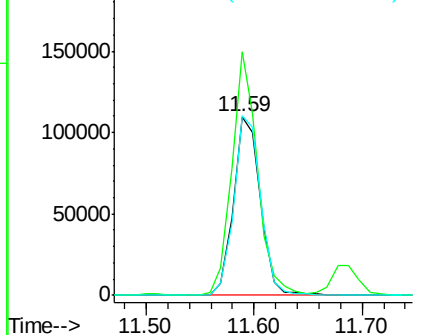
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.106 ug/l

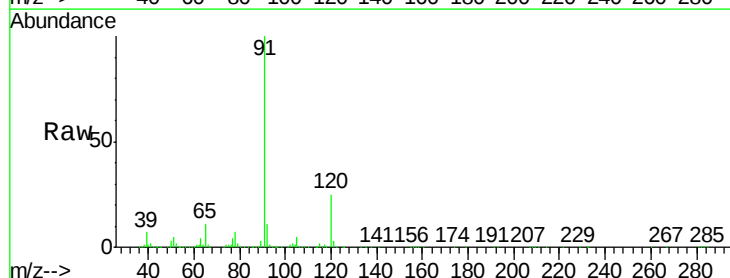
RT: 11.69 min Scan# 1132

Delta R.T. 0.02 min

Lab File: VF062559.D

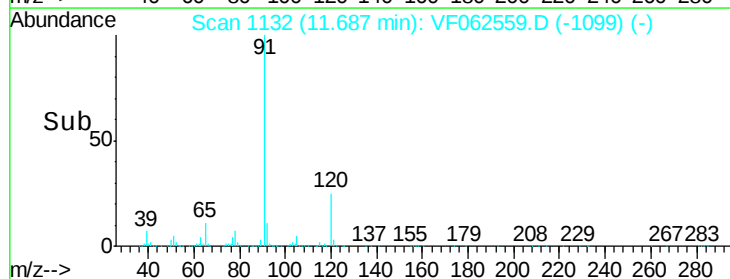
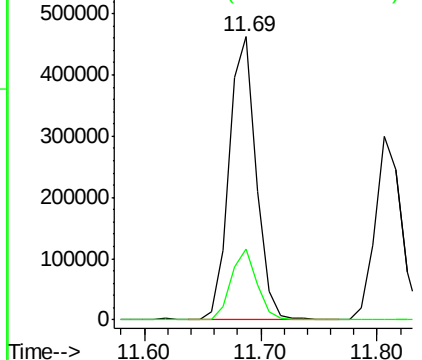
Acq: 13 May 2019 23:23

Tgt Ion:	91	Resp:	740611
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.215 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 461510

Ion Ratio Lower Upper

91 100

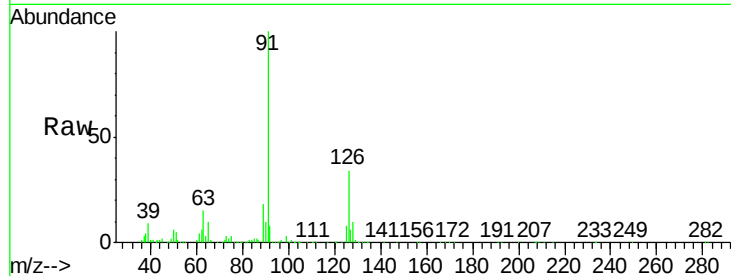
126 35.7 17.8 53.4

Manual Integrations

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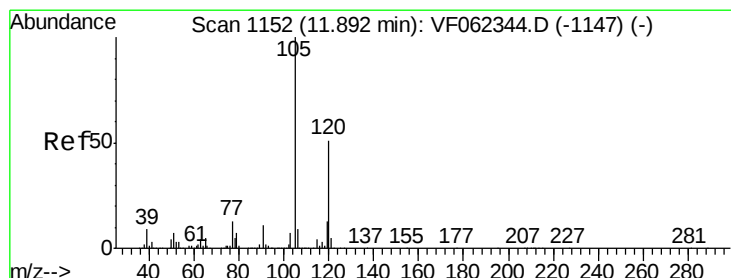
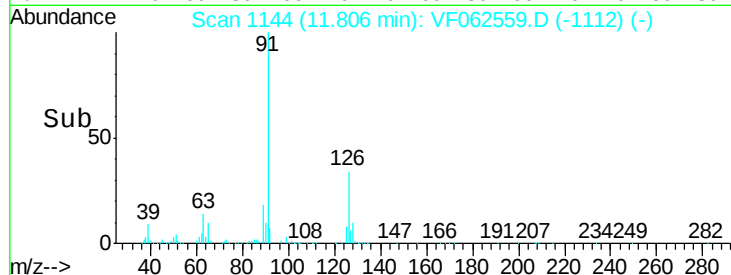
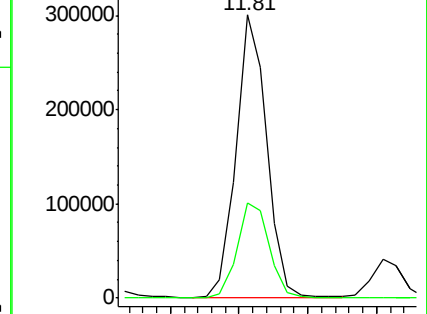
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.093 ug/l

RT: 11.90 min Scan# 1154

Delta R.T. 0.01 min

Lab File: VF062559.D

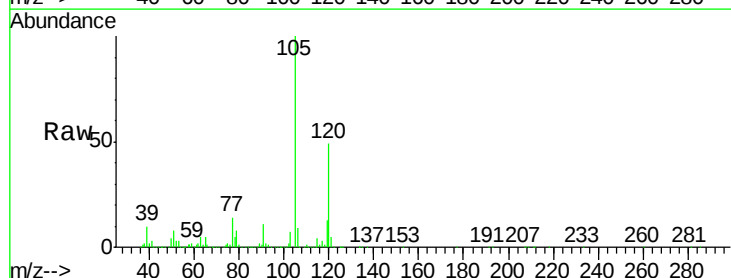
Acq: 13 May 2019 23:23

Tgt Ion: 105 Resp: 573770

Ion Ratio Lower Upper

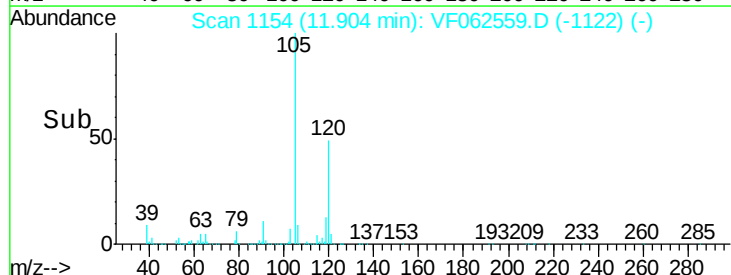
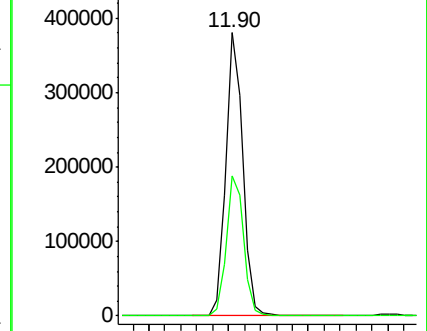
105 100

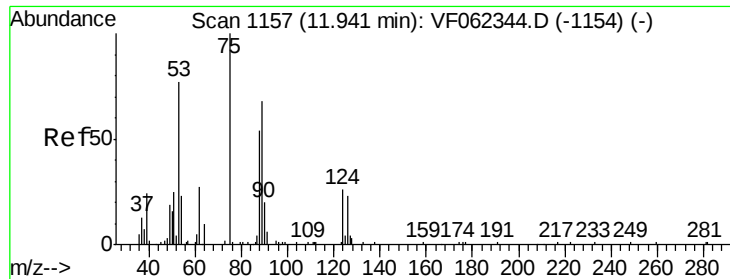
120 50.4 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 53.343 ug/l m

RT: 11.95 min Scan# 1159

Delta R.T. 0.01 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Instrument :

MSVOA_F

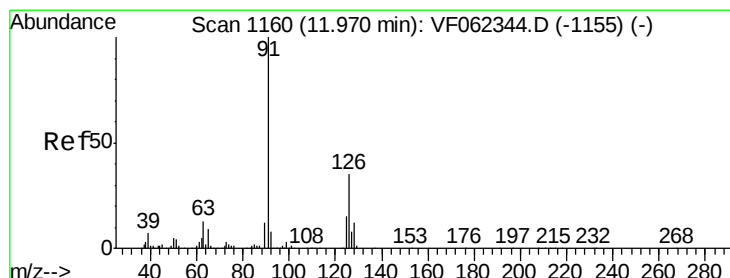
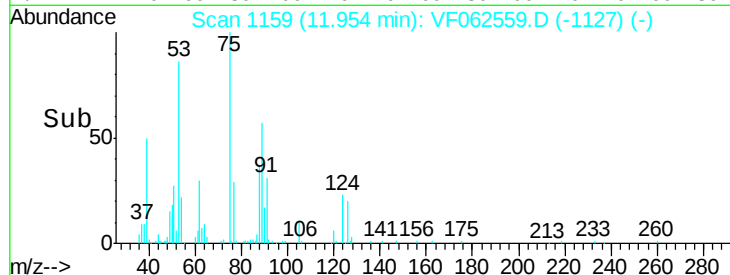
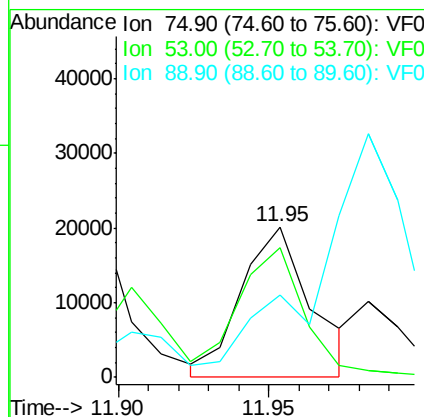
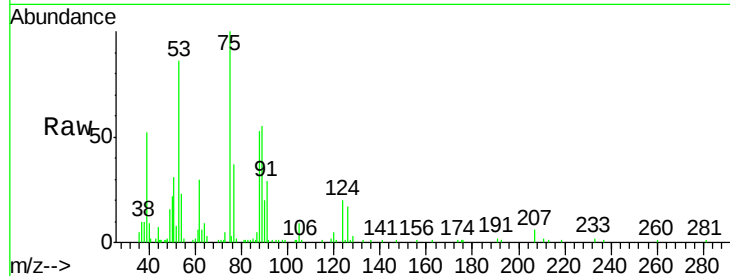
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	32603
Ion	Ratio	Lower	Upper
75	100		
53	84.3	71.9	107.9
89	0.0	0.0	0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.982 ug/l

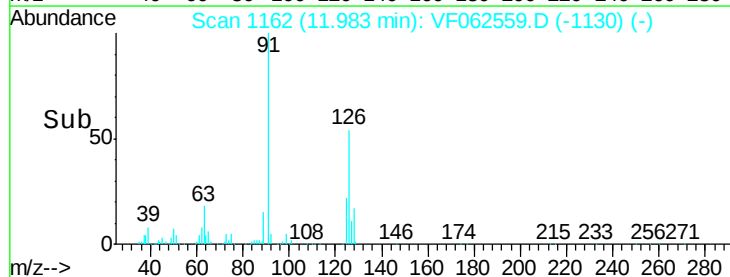
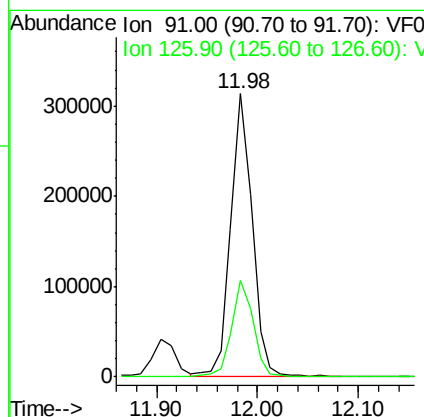
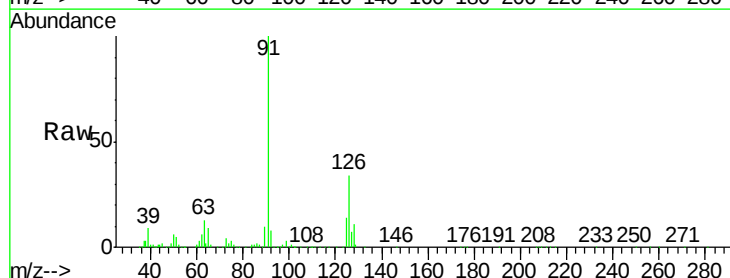
RT: 11.98 min Scan# 1162

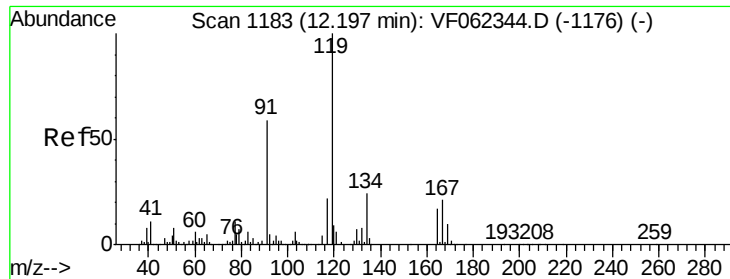
Delta R.T. 0.01 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Tgt Ion:	91	Resp:	462639
Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.7	53.1





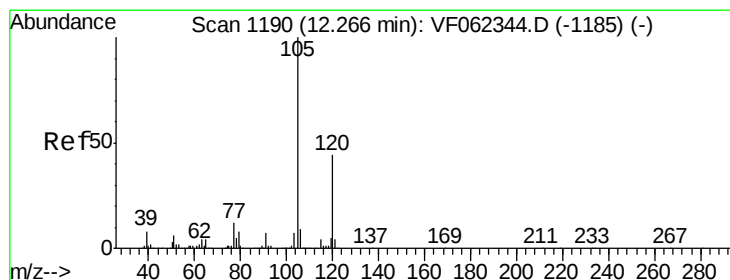
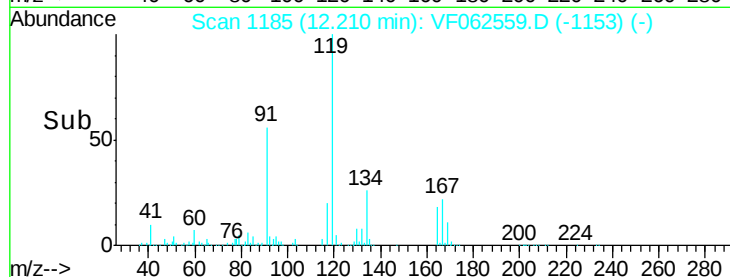
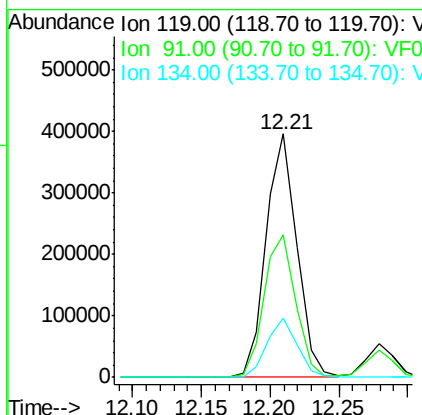
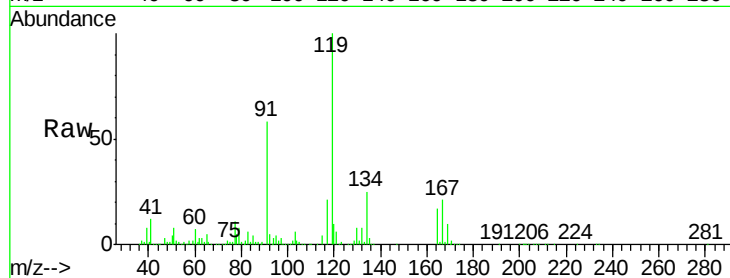
#83
 tert-Butylbenzene
 Concen: 49.078 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.01 min
 Lab File: VF062559.D
 Acq: 13 May 2019 23:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	615350		
91	59.8	30.4	91.3	
134	24.0	11.9	35.7	

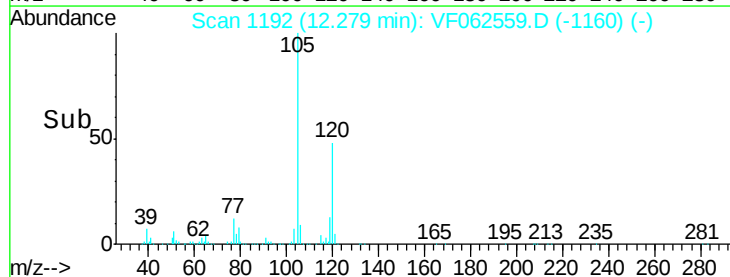
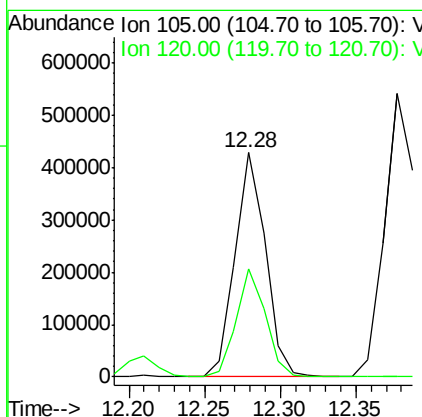
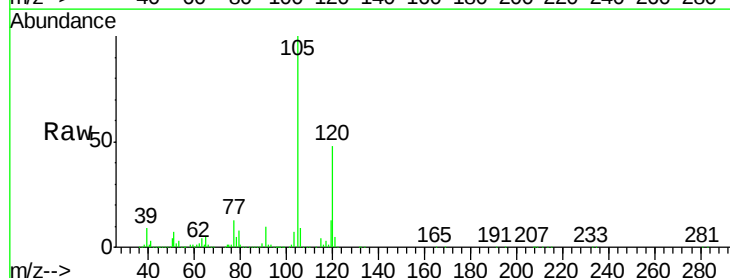
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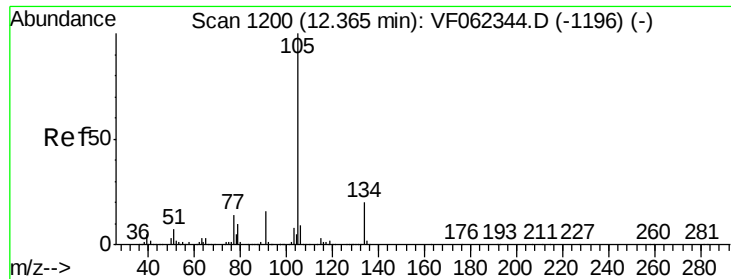
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.506 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.01 min
 Lab File: VF062559.D
 Acq: 13 May 2019 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	601340		
120	46.4	22.6	67.7	





#85

sec-Butylbenzene

Concen: 52.376 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 799340

Ion Ratio Lower Upper

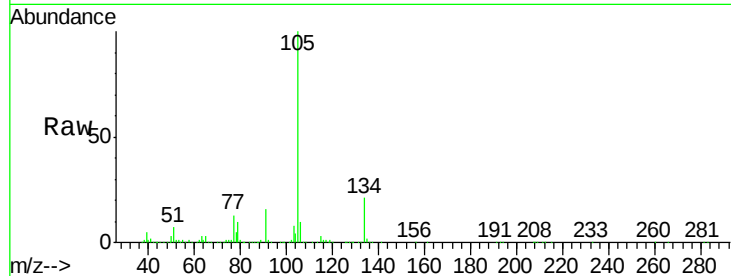
105 100

134 20.1 9.8 29.5

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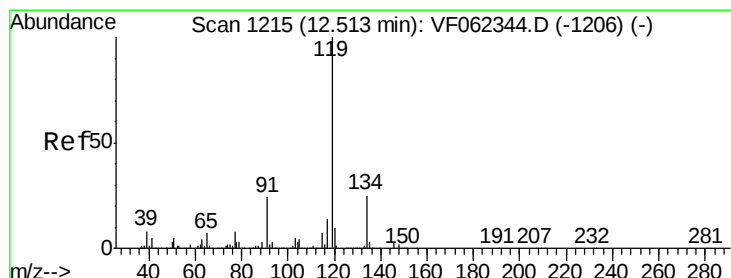
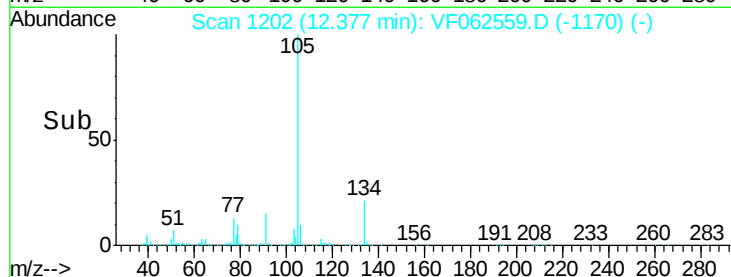
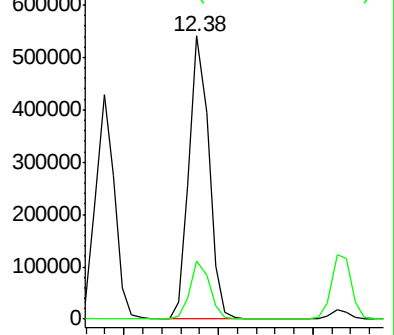
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.263 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

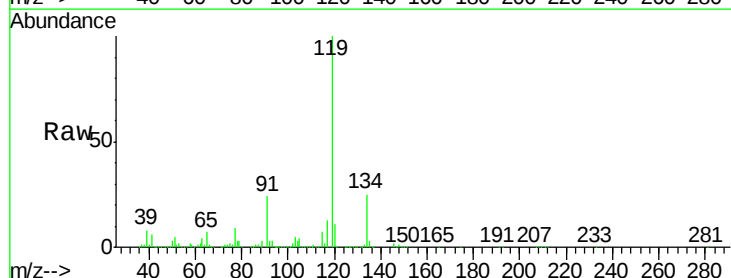
Tgt Ion:119 Resp: 712686

Ion Ratio Lower Upper

119 100

134 26.0 12.9 38.7

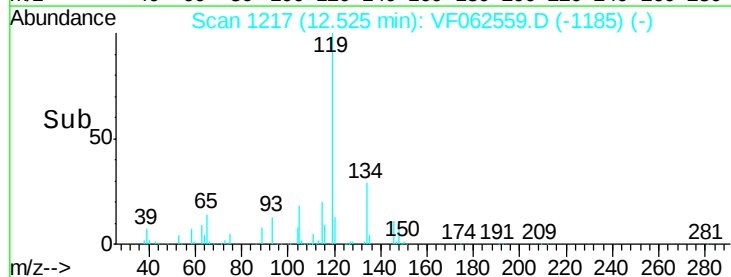
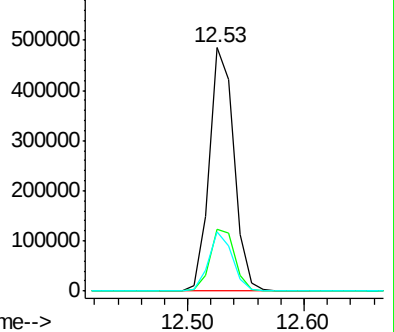
91 23.3 12.3 36.8

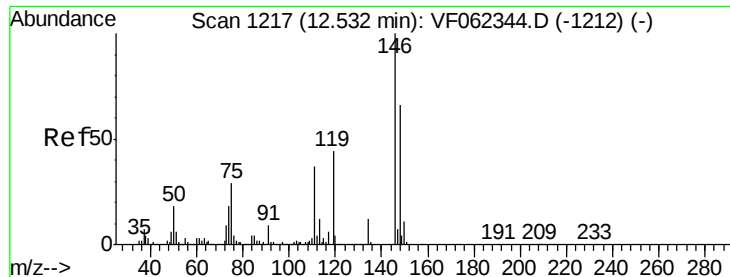


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 53.290 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

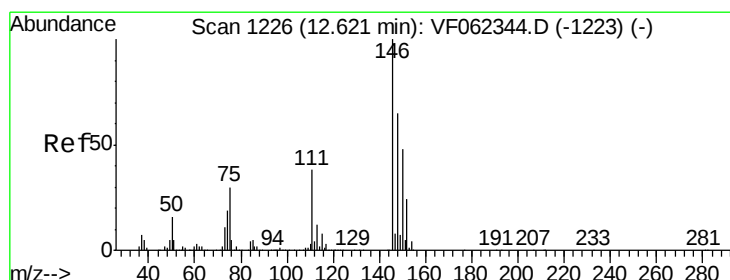
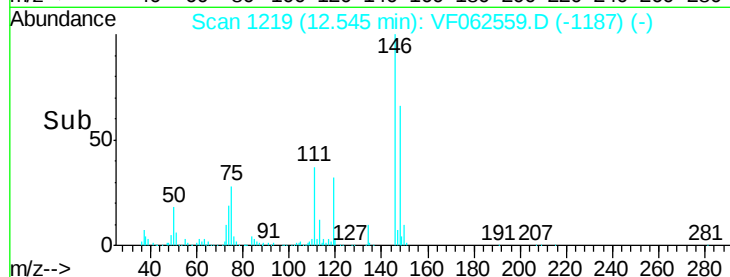
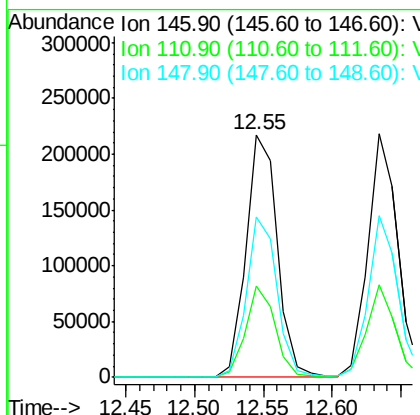
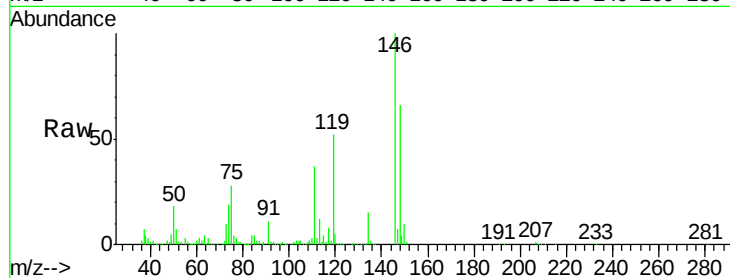
Instrument :
MSVOA_F

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.3	18.3	54.8
148	64.6	32.3	96.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.005 ug/l

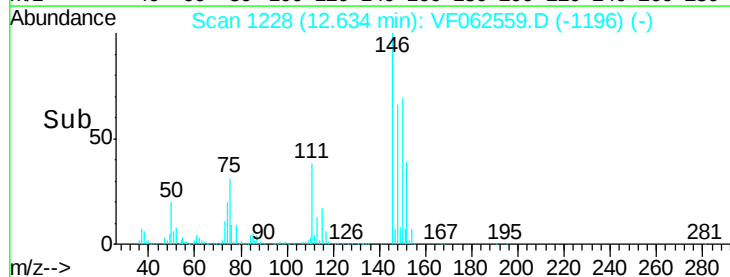
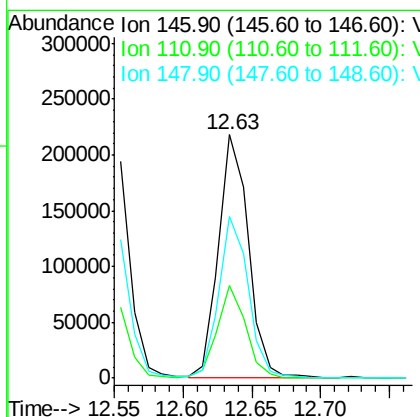
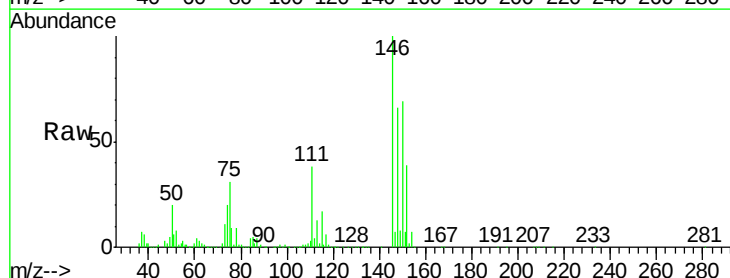
RT: 12.63 min Scan# 1228

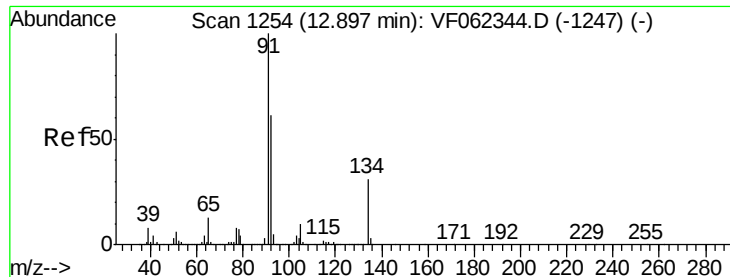
Delta R.T. 0.01 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.8	56.3
148	65.3	32.2	96.6





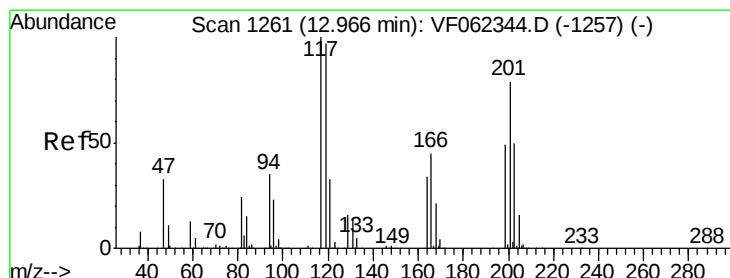
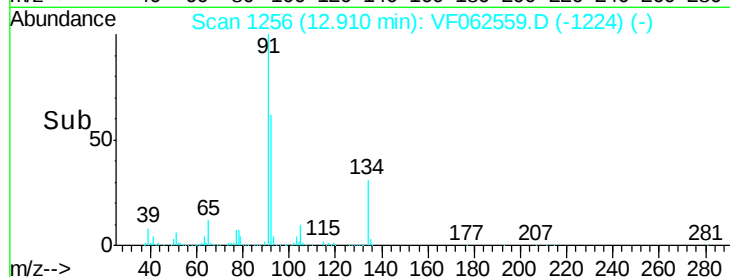
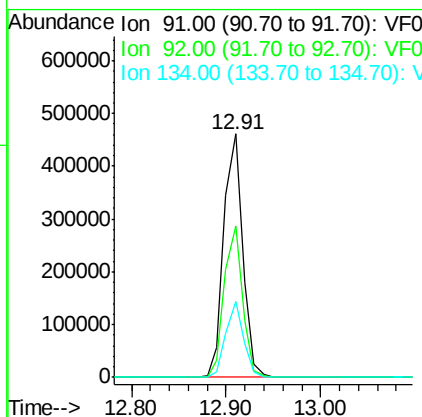
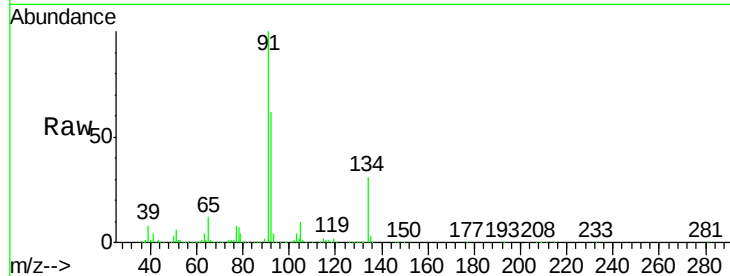
#89
n-Butylbenzene
Concen: 50.721 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VF062559.D
Acq: 13 May 2019 23:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.4	30.0	90.0
134	28.9	14.1	42.4

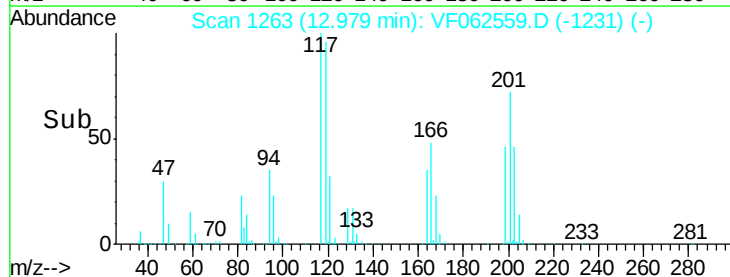
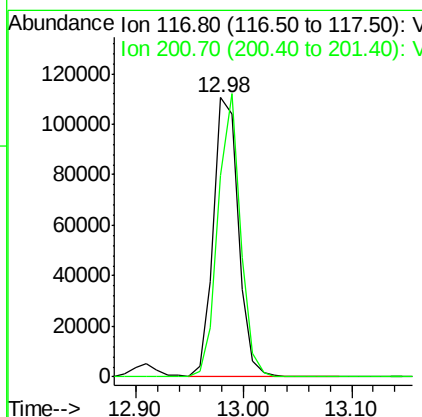
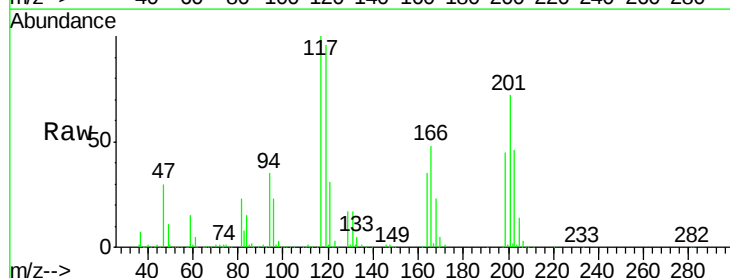
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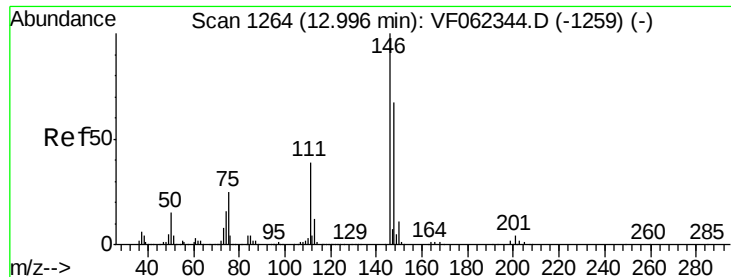
MMDadoda
5/14/2019 11:34:44 AM



#90
Hexachloroethane
Concen: 50.249 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VF062559.D
Acq: 13 May 2019 23:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.6	46.2	138.5





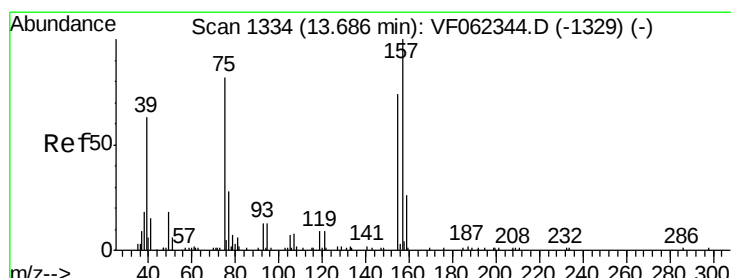
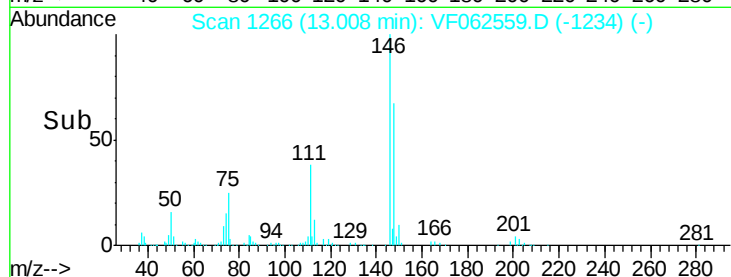
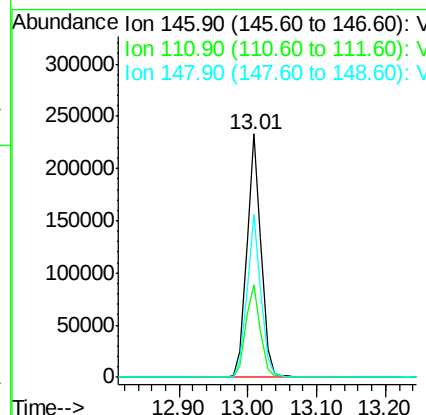
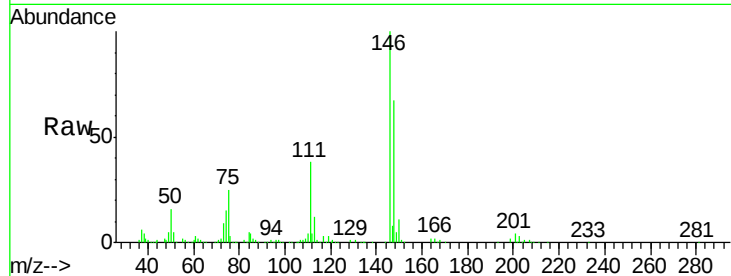
#91
 1,2-Dichlorobenzene
 Concen: 52.887 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. 0.01 min
 Lab File: VF062559.D
 Acq: 13 May 2019 23:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.0	60.0
148	65.9	33.1	99.5

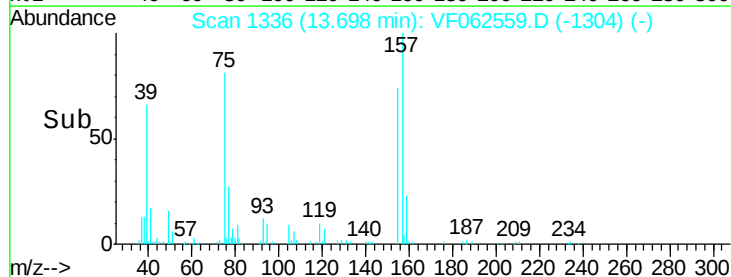
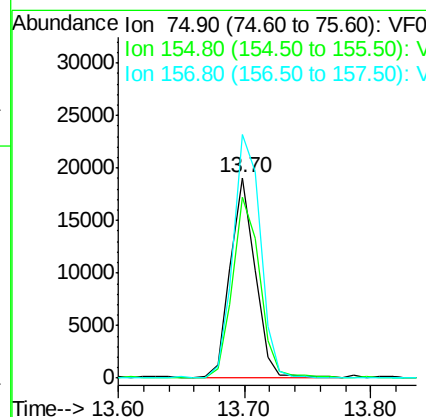
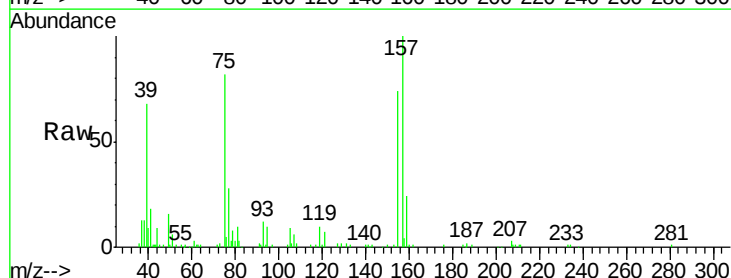
Manual Integrations
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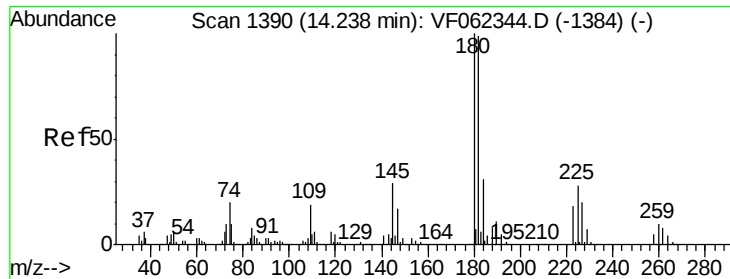
MMDadoda
 5/14/2019 11:34:44 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.802 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. 0.01 min
 Lab File: VF062559.D
 Acq: 13 May 2019 23:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.2	51.8	155.4
157	132.3	67.3	201.8





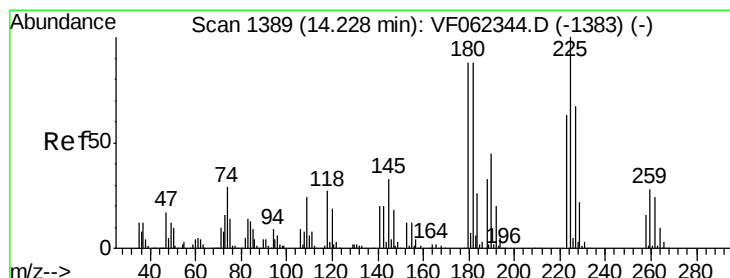
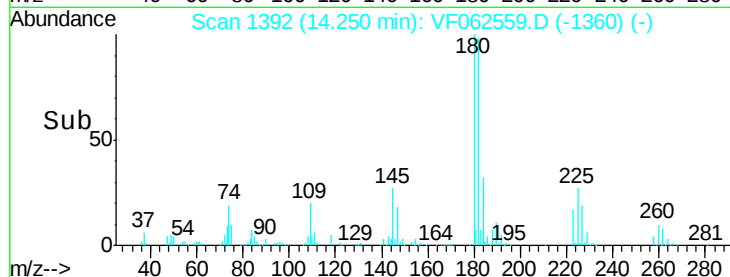
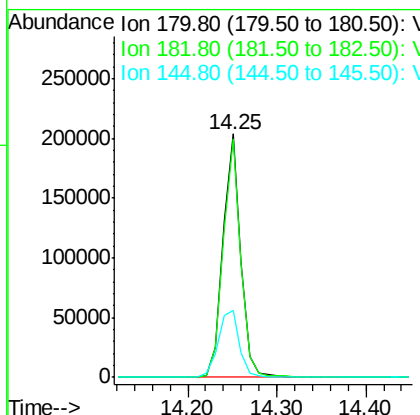
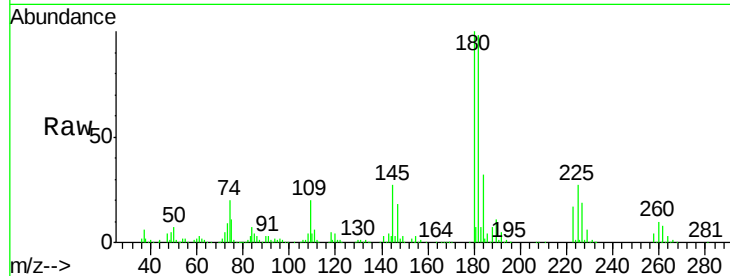
#93
 1,2,4-Trichlorobenzene
 Concen: 50.811 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VF062559.D
 Acq: 13 May 2019 23:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	287803		
182	97.4	49.0	147.0	
145	32.5	16.7	50.1	

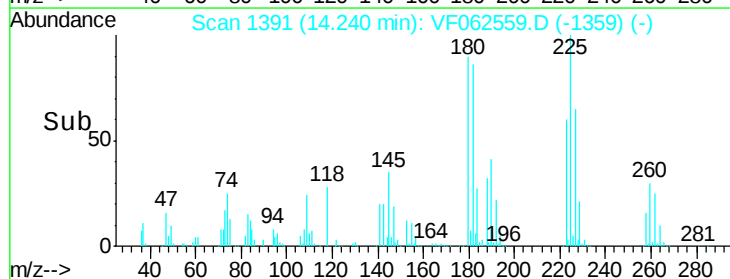
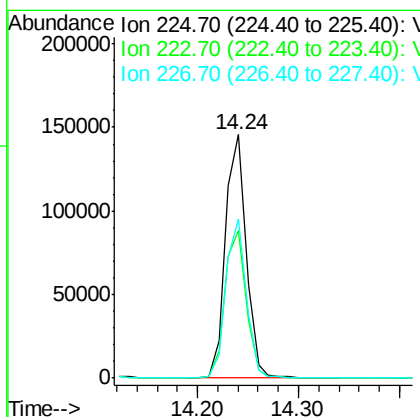
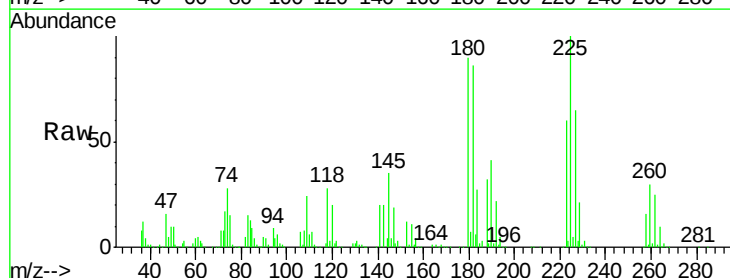
Manual Integrations
 APPROVED

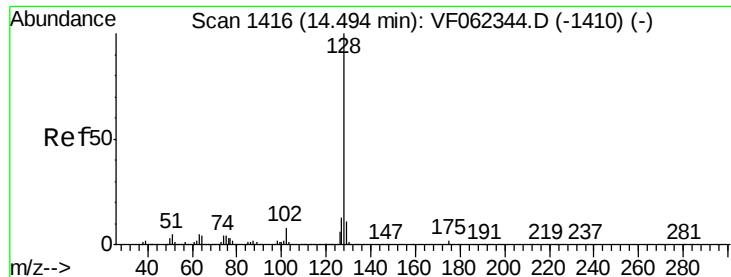
MMDadoda
 5/14/2019 11:34:44 AM



#94
 Hexachlorobutadiene
 Concen: 49.462 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062559.D
 Acq: 13 May 2019 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	208815		
223	62.2	31.9	95.5	
227	64.7	33.1	99.5	





#95

Naphthalene

Concen: 52.939 ug/l

RT: 14.51 min Scan# 1418

Delta R.T. 0.01 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Instrument :

MSVOA_F

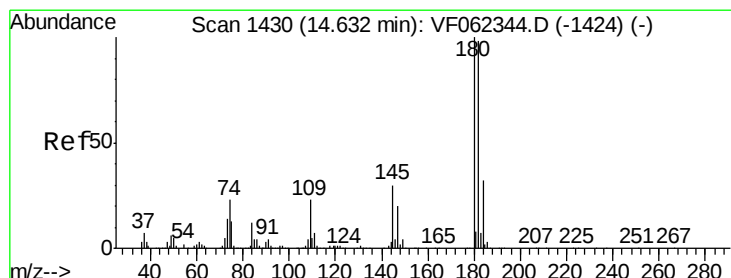
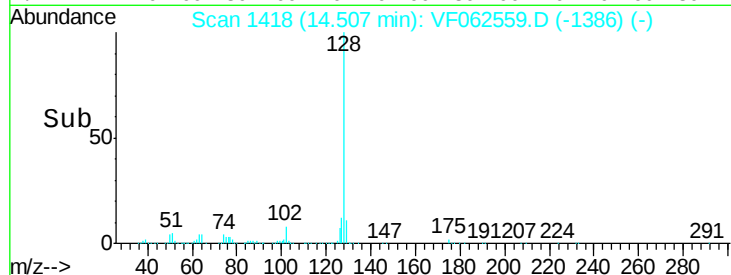
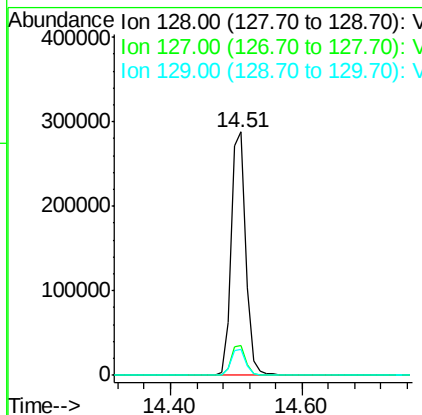
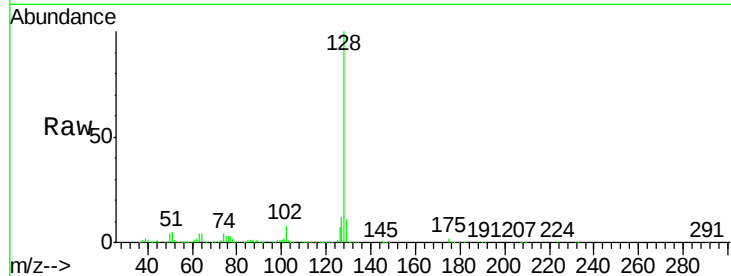
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	450807
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.5	15.7
129	10.9	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 52.415 ug/l

RT: 14.64 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VF062559.D

Acq: 13 May 2019 23:23

Tgt Ion:	180	Resp:	287624
Ion Ratio	Lower	Upper	
180	100		
182	96.9	49.4	148.0
145	29.3	14.8	44.3

