

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050919\
 Data File : VF062393.D
 Acq On : 9 May 2019 12:41
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 11:03:31 AM

Quant Time: May 10 02:17:27 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	5.04	168	311612	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	390807	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	340124	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	202807	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	162791	55.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.56%	
35) Dibromofluoromethane	4.30	113	176923	56.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.64%	
50) Toluene-d8	7.70	98	420969	55.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.72%	
62) 4-Bromofluorobenzene	11.48	95	183199	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	157360	43.634	ug/l	100
3) Chloromethane	1.14	50	103200	43.388	ug/l	99
4) Vinyl Chloride	1.19	62	107753	45.418	ug/l	94
5) Bromomethane	1.40	94	94604	52.997	ug/l	92
6) Chloroethane	1.45	64	57427	48.146	ug/l	100
7) Trichlorofluoromethane	1.56	101	262212	53.269	ug/l	96
8) Diethyl Ether	1.70	74	35344	47.454	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.91	101	140736	50.079	ug/l	98
10) Methyl Iodide	1.98	142	236577	51.084	ug/l	99
11) Tert butyl alcohol	2.68	59	36034	216.504	ug/l	96
12) 1,1-Dichloroethene	1.87	96	114631	47.981	ug/l	90
13) Acrolein	2.10	56	19324	182.101	ug/l	99
14) Allyl chloride	2.20	41	166613	78.948	ug/l	98
15) Acrylonitrile	3.09	53	83263	264.099	ug/l	98
16) Acetone	2.34	43	178402	299.471	ug/l	97
17) Carbon Disulfide	1.91	76	235249	45.159	ug/l	99
18) Methyl Acetate	2.45	43	52796	48.503	ug/l	94
19) Methyl tert-butyl Ether	2.54	73	252069	51.112	ug/l	98
20) Methylene Chloride	2.33	84	108870m	50.512	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	108887	47.837	ug/l	95
22) Diisopropyl ether	2.93	45	335939	50.931	ug/l	94
23) Vinyl Acetate	3.34	43	754569	256.678	ug/l	99
24) 1,1-Dichloroethane	3.00	63	211111	52.957	ug/l	98
25) 2-Butanone	4.51	43	189893	253.724	ug/l	94
26) 2,2-Dichloropropane	3.77	77	125999	56.598	ug/l	98
27) cis-1,2-Dichloroethene	3.65	96	147814	51.950	ug/l	94
28) Bromochloromethane	3.89	49	85913	47.520	ug/l	94
29) Tetrahydrofuran	4.26	42	77037	223.963	ug/l	97
30) Chloroform	4.04	83	291991	54.216	ug/l	97
31) Cyclohexane	3.87	56	154194	48.460	ug/l	99
32) 1,1,1-Trichloroethane	4.28	97	242347	52.503	ug/l	99
36) 1,1-Dichloropropene	4.46	75	180565	53.785	ug/l	98
37) Ethyl Acetate	4.30	43	71838	55.535	ug/l #	97
38) Carbon Tetrachloride	4.18	117	233460m	68.048	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	174452	51.813	ug/l	98
40) Benzene	4.82	78	386714	52.310	ug/l	97
41) Methacrylonitrile	4.93	41	40253	50.005	ug/l	93
42) 1,2-Dichloroethane	5.12	62	182258	58.947	ug/l	99
43) Isopropyl Acetate	7.10	43	72468	47.457	ug/l #	98
44) Trichloroethene	5.68	130	146573	53.973	ug/l	98
45) 1,2-Dichloropropane	6.40	63	91819	54.835	ug/l	99
46) Dibromomethane	6.25	93	75434	54.334	ug/l	99
47) Bromodichloromethane	6.54	83	204920	59.036	ug/l	94
48) Methyl methacrylate	6.87	41	54467	50.473	ug/l	93
49) 1,4-Dioxane	6.86	88	10327	929.562	ug/l	92
51) 4-Methyl-2-Pentanone	8.40	43	309688	267.646	ug/l	98
52) Toluene	7.77	92	254548	55.814	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	143663	54.723	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	171568	56.153	ug/l	99
55) 1,1,2-Trichloroethane	8.62	97	81285	56.145	ug/l	95
56) Ethyl methacrylate	8.74	69	72824	47.651	ug/l	96
57) 1,3-Dichloropropane	8.99	76	118818	54.332	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.44	63	95574	208.011	ug/l	98
59) 2-Hexanone	9.61	43	204760	255.873	ug/l	100
60) Dibromochloromethane	8.85	129	137639	58.128	ug/l	100
61) 1,2-Dibromoethane	9.13	107	88522	52.023	ug/l	96
64) Tetrachloroethene	8.30	164	132889	48.127	ug/l	98
65) Chlorobenzene	9.92	112	302513	53.755	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.05	131	161232	56.793	ug/l	97
67) Ethyl Benzene	10.02	91	528046	53.585	ug/l	98
68) m/p-Xylenes	10.25	106	380346	104.609	ug/l	99
69) o-Xylene	10.81	106	223324	56.842	ug/l	99
70) Styrene	10.88	104	313292	53.207	ug/l	100
71) Bromoform	10.87	173	83979	53.995	ug/l	96
73) Isopropylbenzene	11.21	105	664938	55.305	ug/l	100
74) N-amyl acetate	11.44	43	119790	46.408	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.76	83	103419	54.936	ug/l	98
76) 1,2,3-Trichloropropane	11.86	75	76286	53.115	ug/l #	100
77) Bromobenzene	11.57	156	170820	54.135	ug/l	100
78) n-propylbenzene	11.66	91	686252	53.611	ug/l	100
79) 2-Chlorotoluene	11.79	91	442380	55.578	ug/l	100
80) 1,3,5-Trimethylbenzene	11.89	105	574975	54.561	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.93	75	25532m	47.293	ug/l	
82) 4-Chlorotoluene	11.96	91	418706	53.261	ug/l	100
83) tert-Butylbenzene	12.19	119	611400	55.205	ug/l	99
84) 1,2,4-Trimethylbenzene	12.26	105	567567	55.035	ug/l	99
85) sec-Butylbenzene	12.36	105	742017	55.044	ug/l	100
86) p-Isopropyltoluene	12.51	119	669944	53.490	ug/l	100
87) 1,3-Dichlorobenzene	12.53	146	294759	51.147	ug/l	98
88) 1,4-Dichlorobenzene	12.62	146	290719	52.267	ug/l	98
89) n-Butylbenzene	12.89	91	601053	53.941	ug/l	100
90) Hexachloroethane	12.97	117	171664	54.893	ug/l	98
91) 1,2-Dichlorobenzene	12.99	146	297445	53.325	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.68	75	23187	54.979	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	273065	54.578	ug/l	99
94) Hexachlorobutadiene	14.22	225	206856	55.471	ug/l	99
95) Naphthalene	14.49	128	416632	55.389	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	275373	56.812	ug/l	99

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

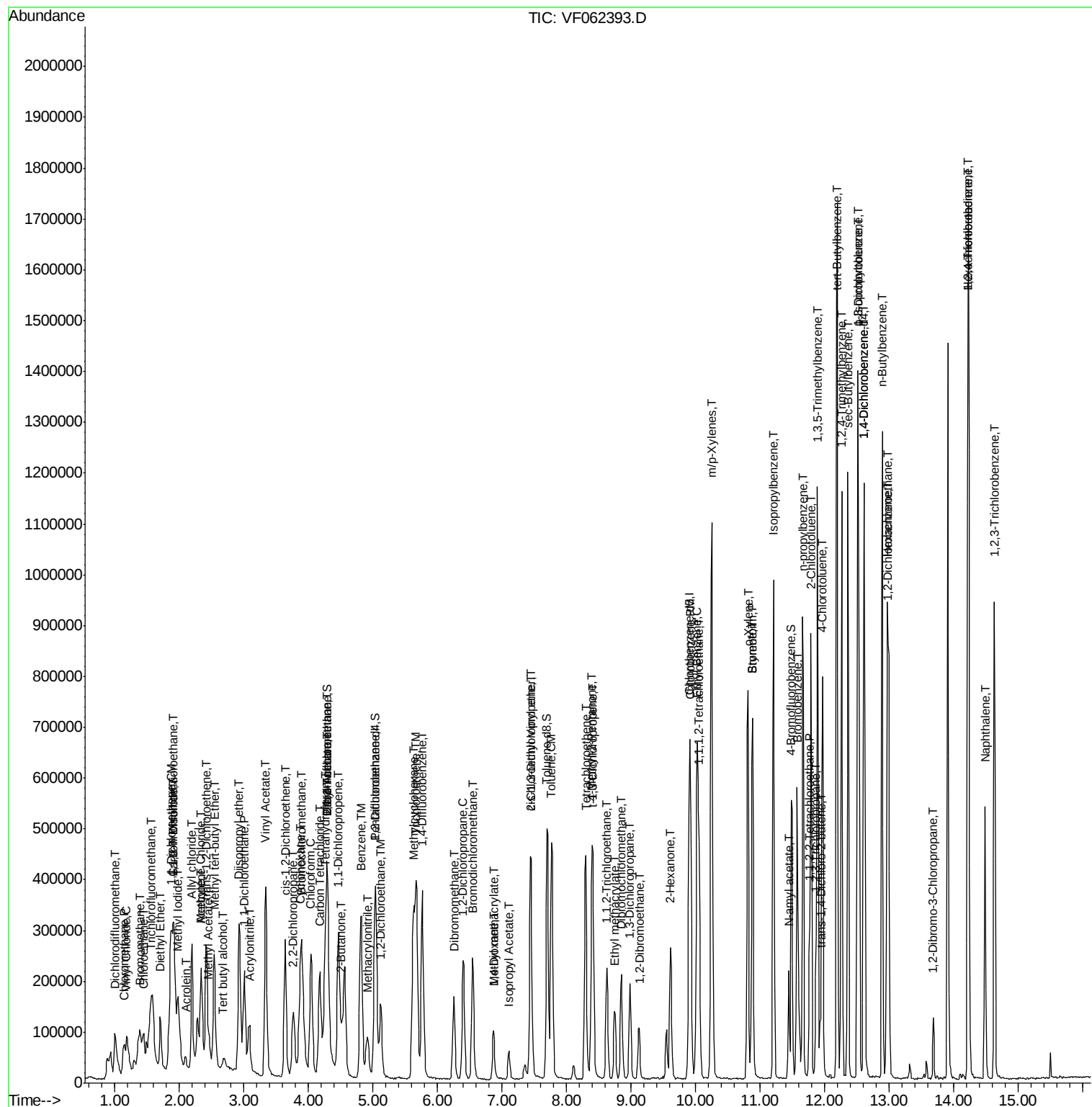
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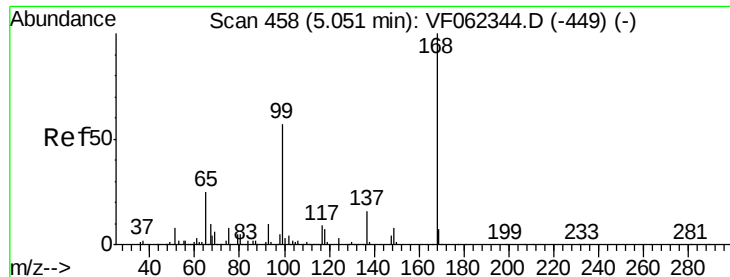
Instrument :
MSVOA_F
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 311612

Ion Ratio Lower Upper

168 100

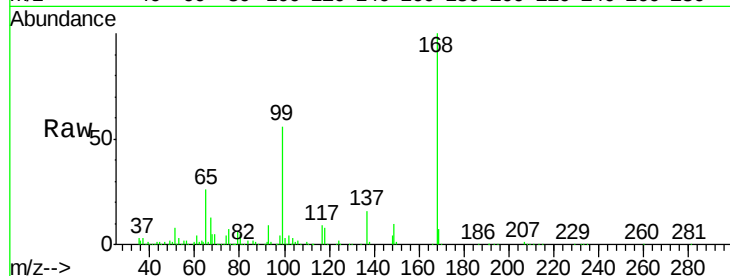
99 56.2 45.9 68.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.04

120000

100000

80000

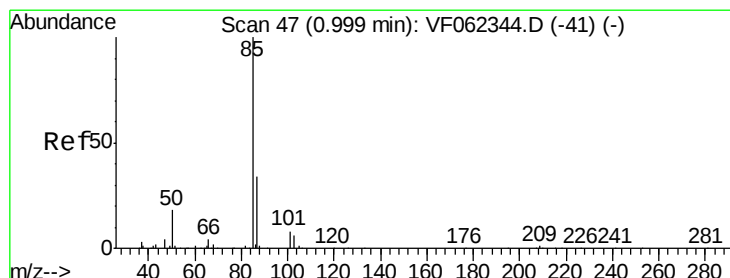
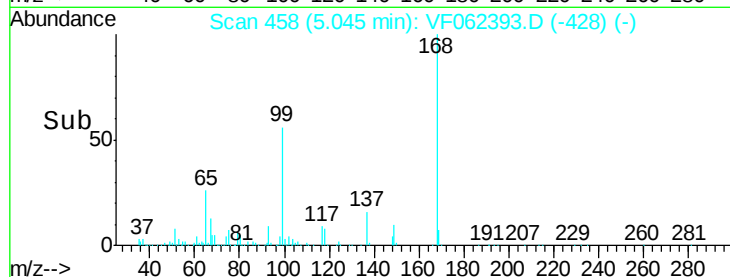
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.634 ug/l

RT: 1.00 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062393.D

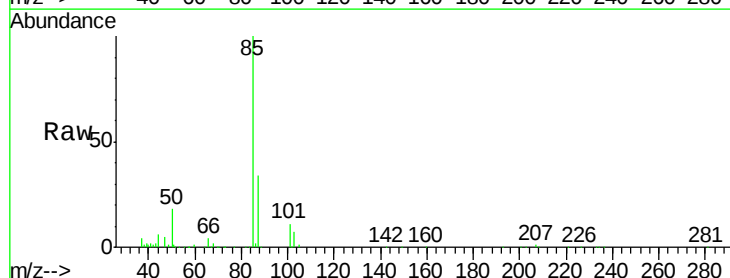
Acq: 9 May 2019 12:41

Tgt Ion: 85 Resp: 157360

Ion Ratio Lower Upper

85 100

87 33.8 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

50000

40000

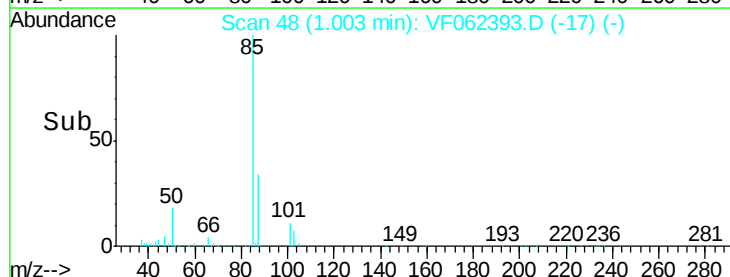
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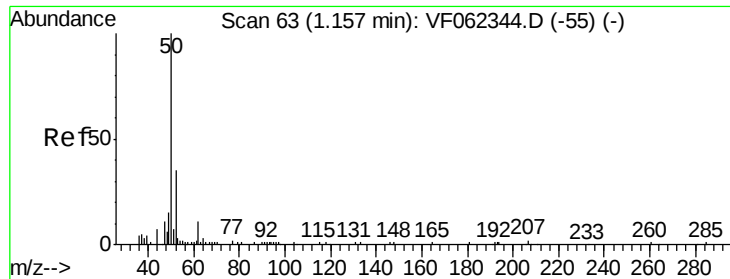
20000

10000

0

Time-->





#3

Chloromethane

Concen: 43.388 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.02 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 103200

Ion Ratio Lower Upper

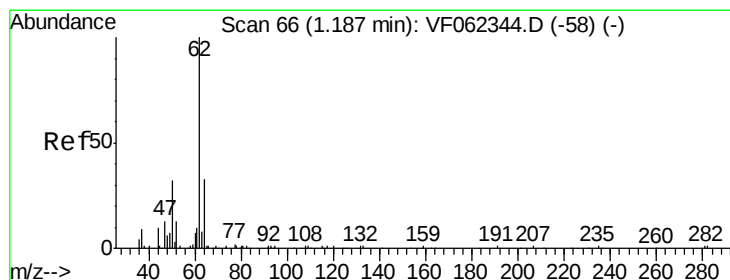
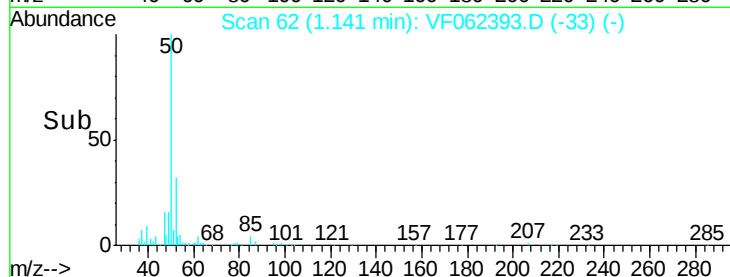
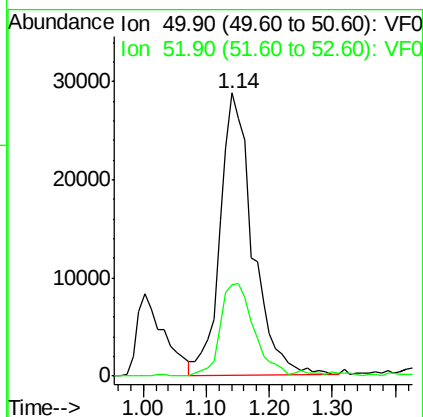
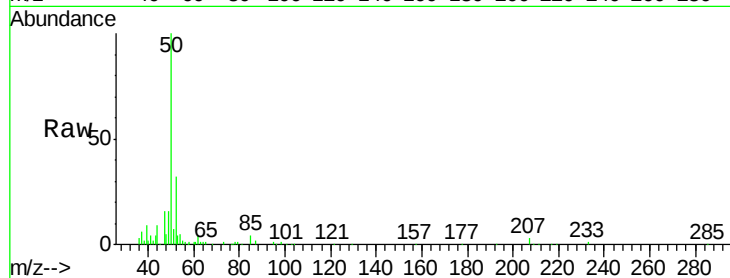
50 100

52 32.1 26.1 39.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 45.418 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062393.D

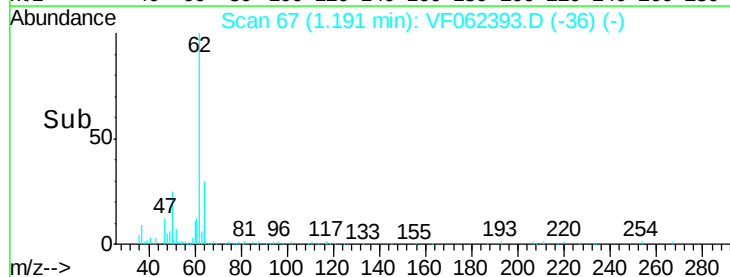
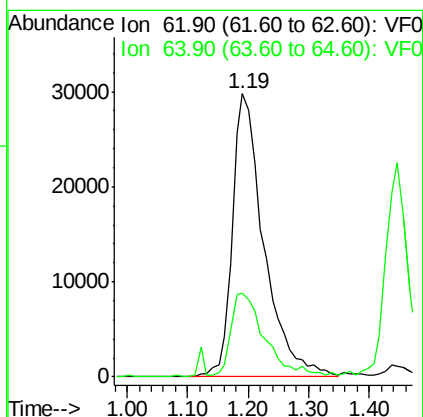
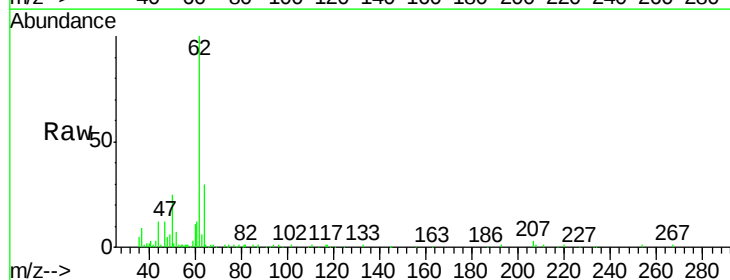
Acq: 9 May 2019 12:41

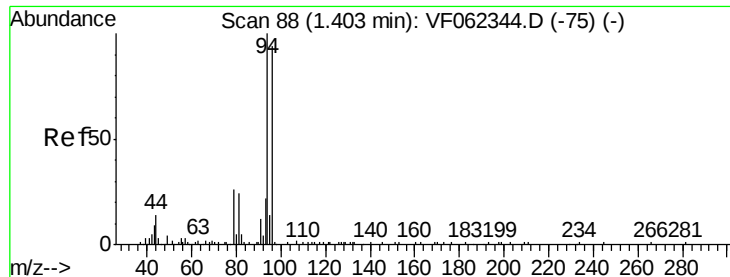
Tgt Ion: 62 Resp: 107753

Ion Ratio Lower Upper

62 100

64 29.2 26.1 39.1





#5

Bromomethane

Concen: 52.997 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

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ClientSampleId :

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Tot Ion: 94 Resp: 94604

Ion Ratio Lower Upper

94 100

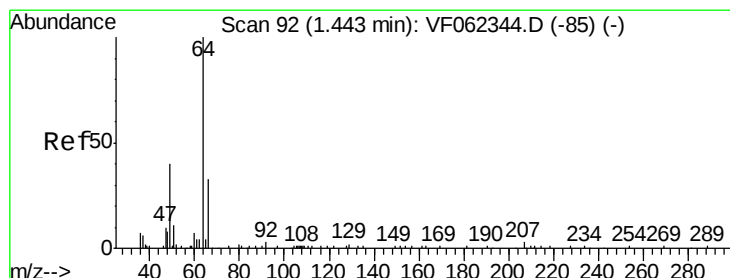
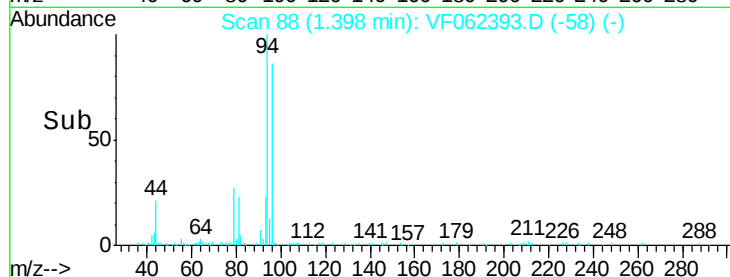
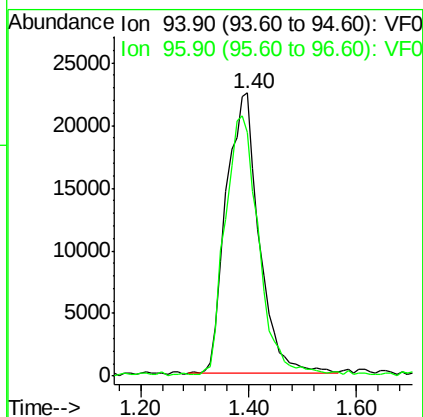
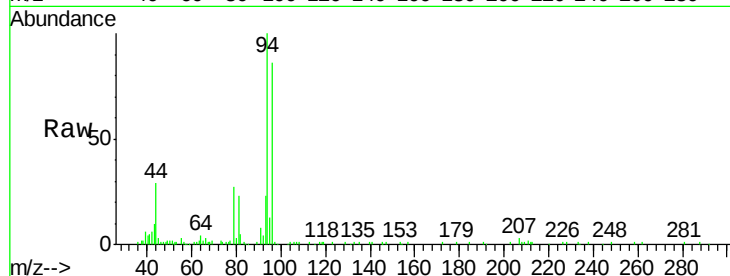
96 86.1 75.4 113.2

Manual Integrations

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#6

Chloroethane

Concen: 48.146 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.00 min

Lab File: VF062393.D

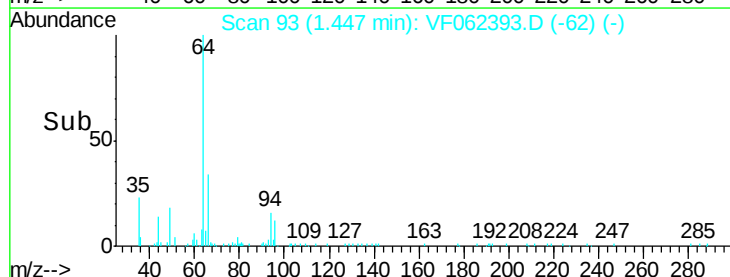
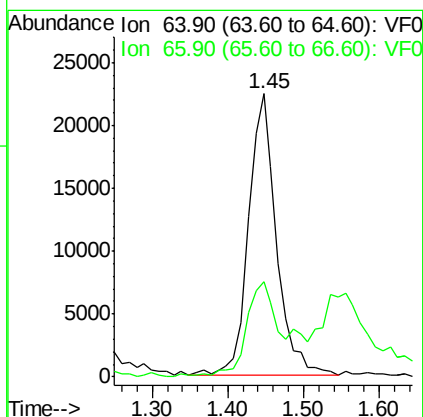
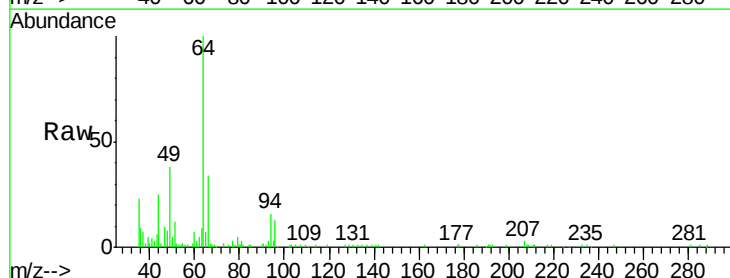
Acq: 9 May 2019 12:41

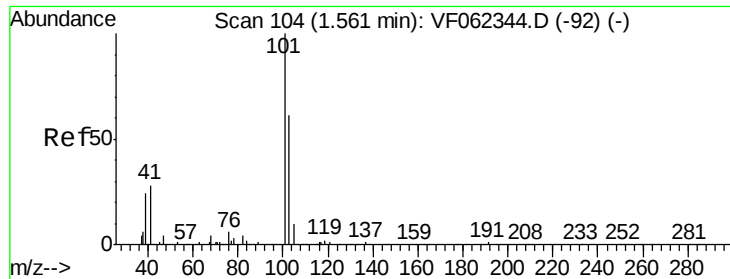
Tgt Ion: 64 Resp: 57427

Ion Ratio Lower Upper

64 100

66 33.1 26.6 39.8





#7

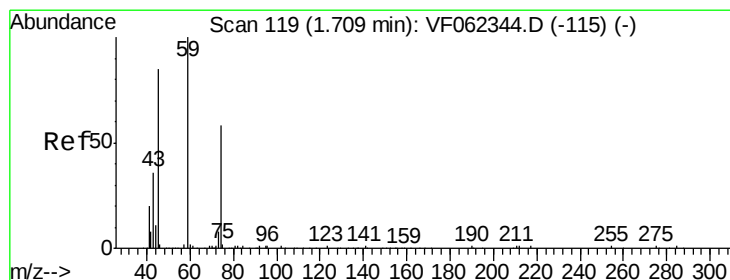
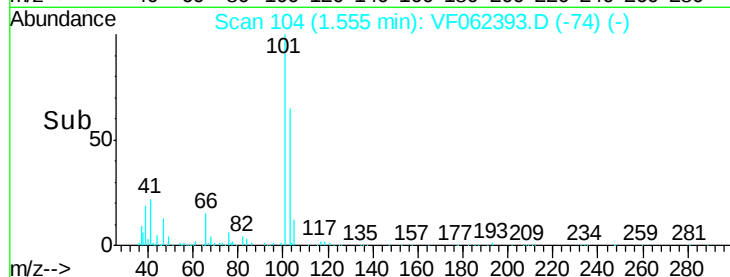
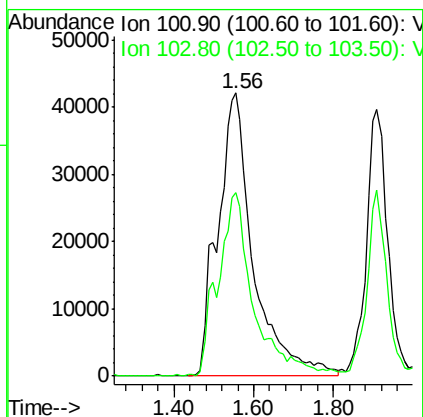
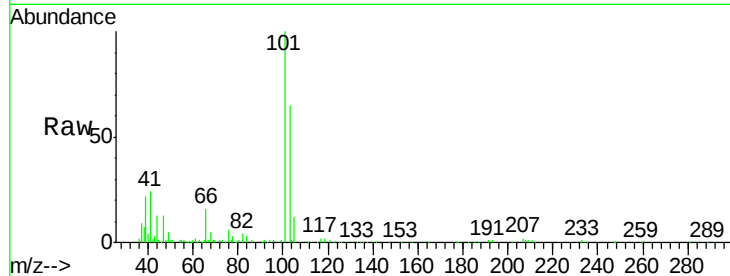
Trichlorofluoromethane
Concen: 53.269 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	48.5	72.7

Manual Integrations
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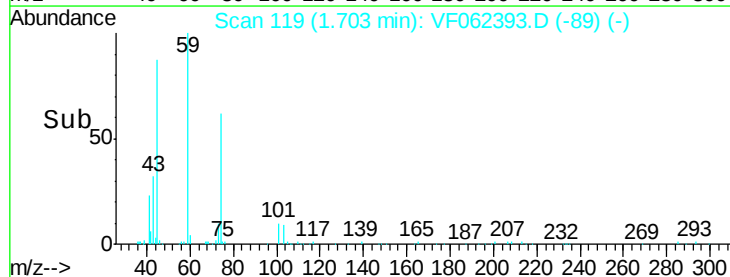
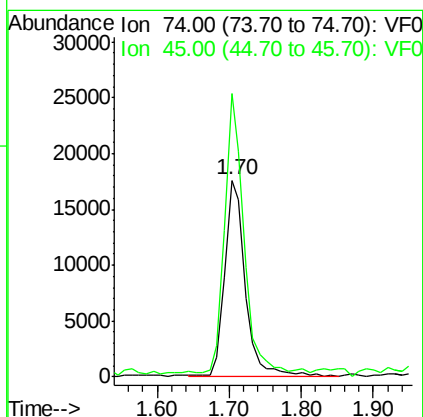
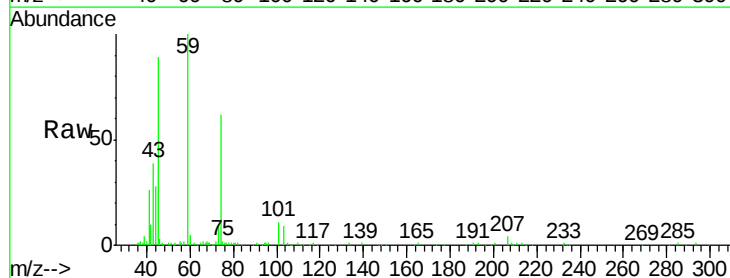
MMDadoda
5/10/2019 11:03:31 AM



#8

Diethyl Ether
Concen: 47.454 ug/l
RT: 1.70 min Scan# 119
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	128.7	73.9	221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.079 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

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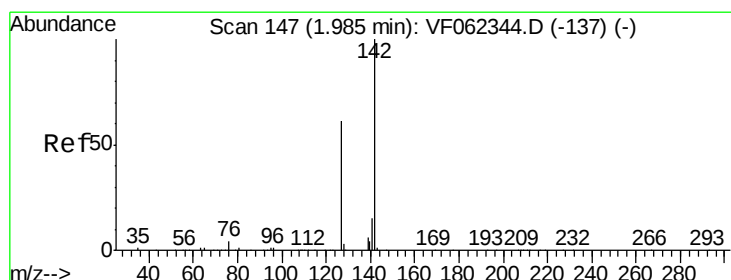
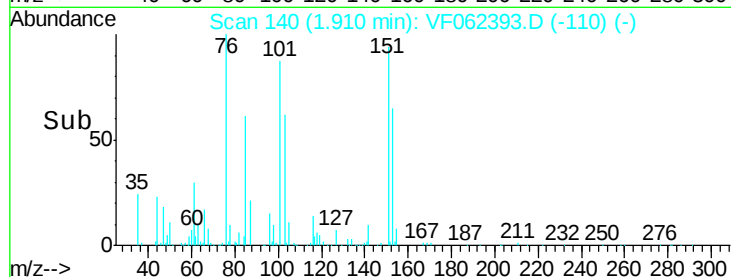
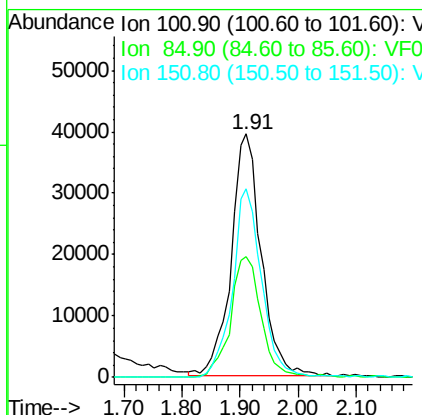
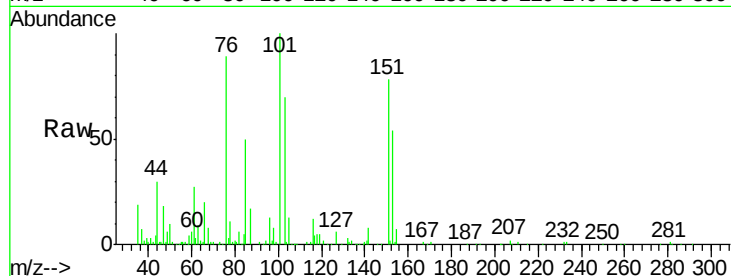
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	140736
Ion Ratio	Lower	Upper	
101	100		
85	50.8	39.5	59.3
151	76.1	59.9	89.9

Manual Integrations
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#10

Methyl Iodide

Concen: 51.084 ug/l

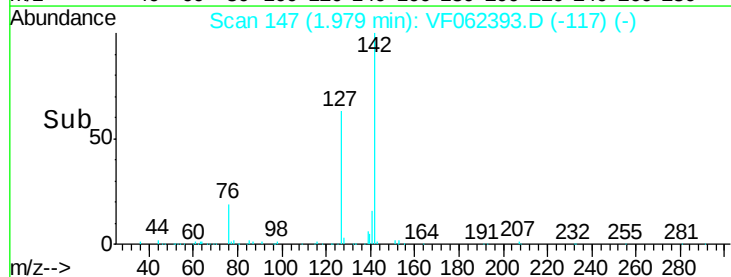
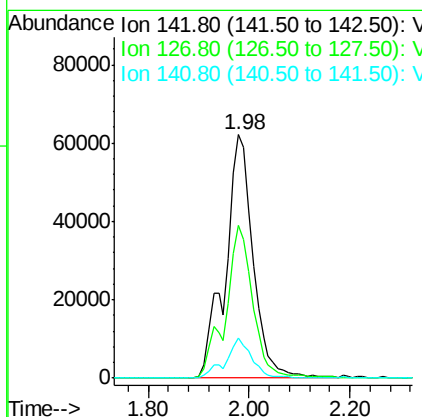
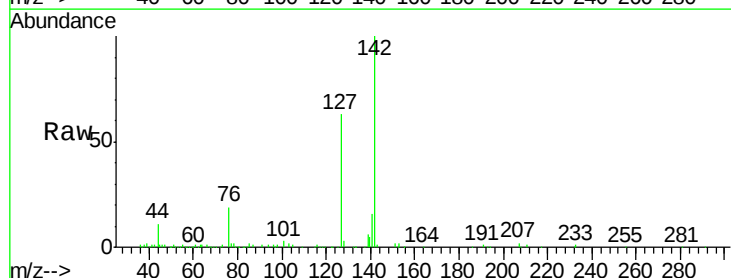
RT: 1.98 min Scan# 147

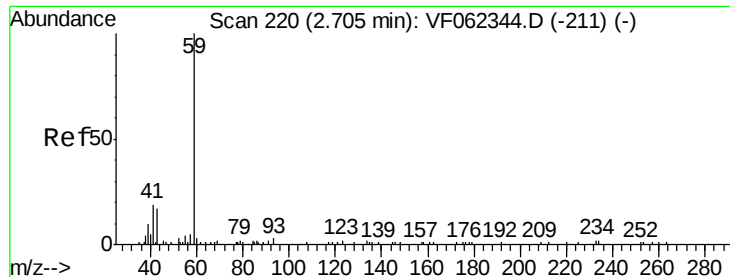
Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Tgt Ion:	142	Resp:	236577
Ion Ratio	Lower	Upper	
142	100		
127	61.6	48.4	72.6
141	15.3	12.2	18.4





#11

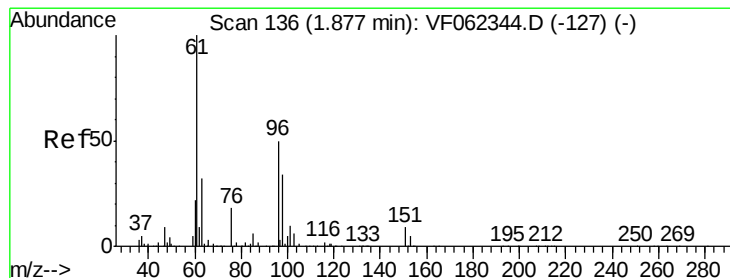
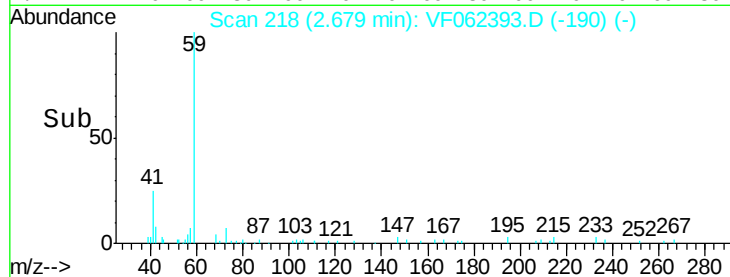
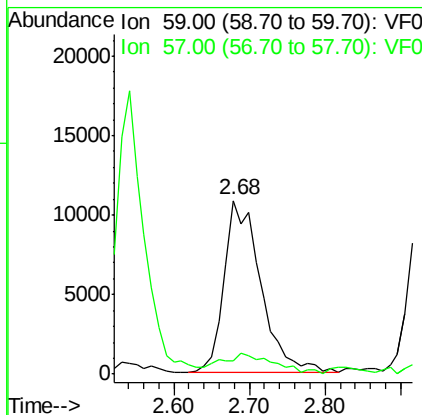
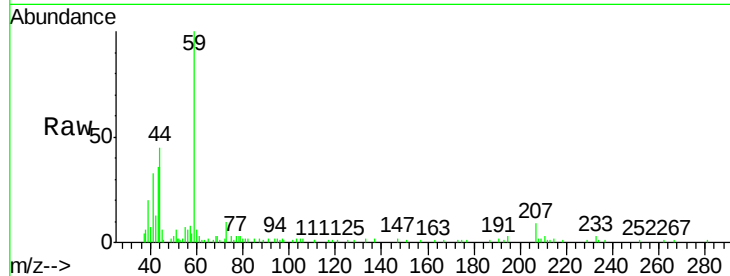
Tert butyl alcohol
 Concen: 216.504 ug/l
 RT: 2.68 min Scan# 218
 Delta R.T. -0.03 min
 Lab File: VF062393.D
 Acq: 9 May 2019 12:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.0	9.3	13.9

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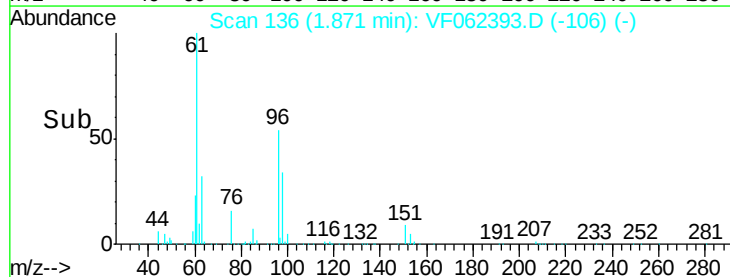
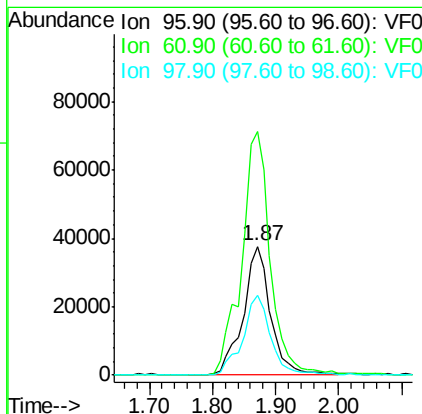
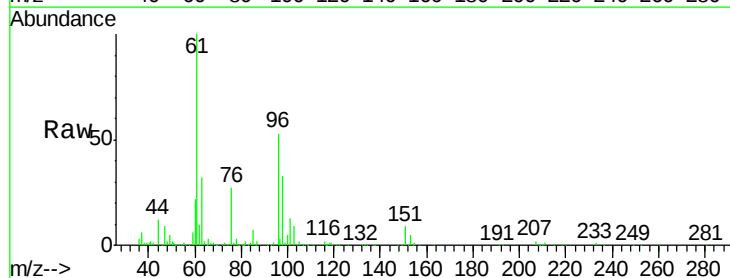
MMDadoda
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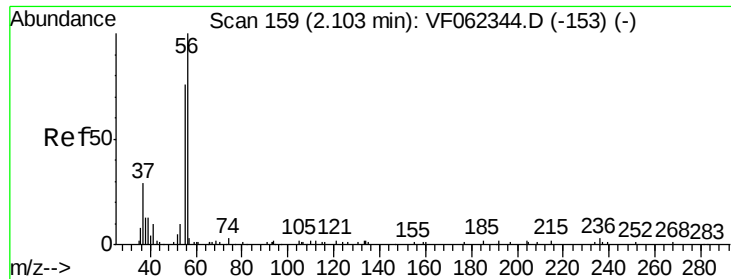


#12

1,1-Dichloroethene
 Concen: 47.981 ug/l
 RT: 1.87 min Scan# 136
 Delta R.T. -0.01 min
 Lab File: VF062393.D
 Acq: 9 May 2019 12:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	188.7	163.2	244.8
98	61.9	55.2	82.8





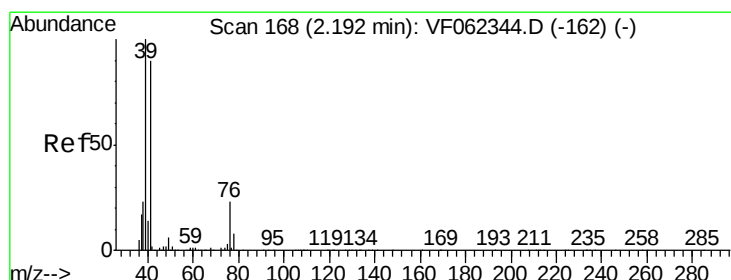
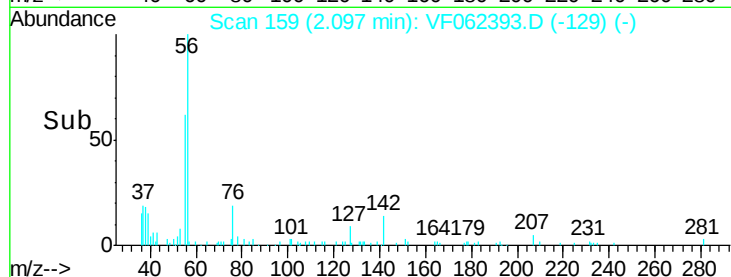
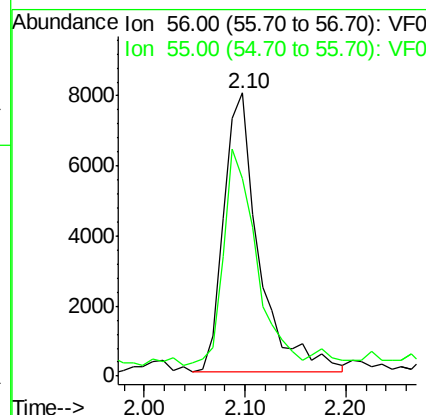
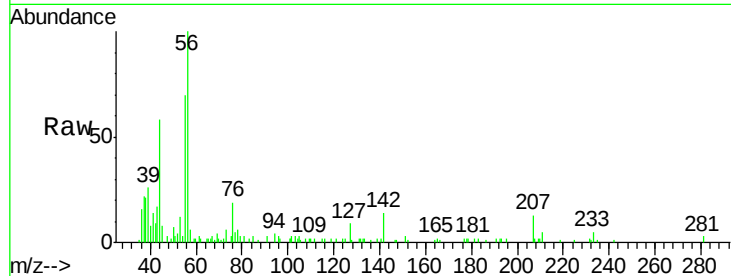
#13
Acrolein
Concen: 182.101 ug/l
RT: 2.10 min Scan# 159
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	19324
Ion Ratio	100	Lower	Upper
55	72.5	58.4	87.6

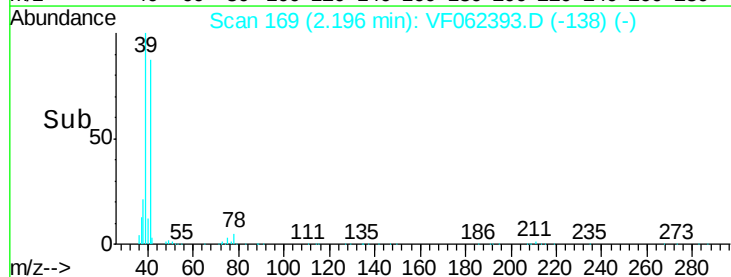
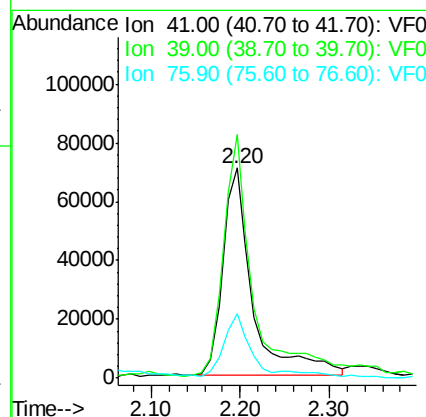
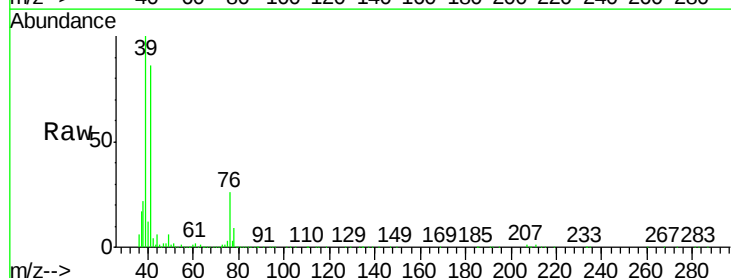
Manual Integrations
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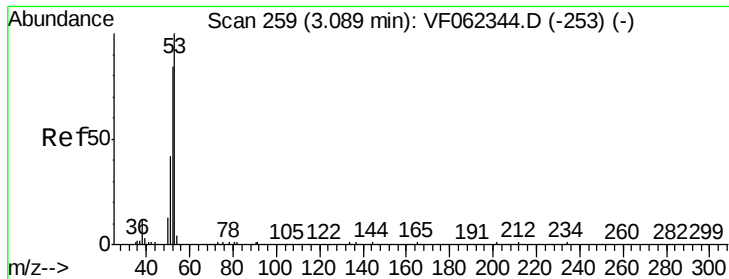
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#14
Allyl chloride
Concen: 78.948 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.00 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Tgt Ion	41	Resp	166613
Ion Ratio	100	Lower	Upper
39	115.6	90.8	136.2
76	30.1	22.2	33.4





#15

Acrylonitrile

Concen: 264.099 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

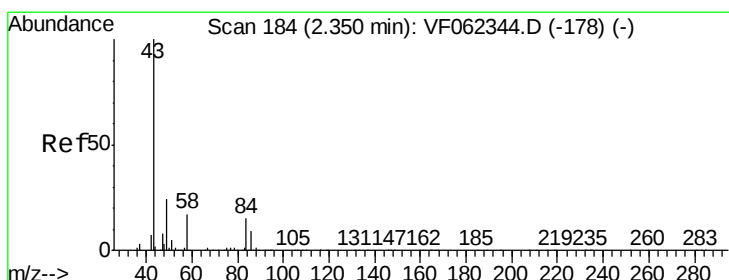
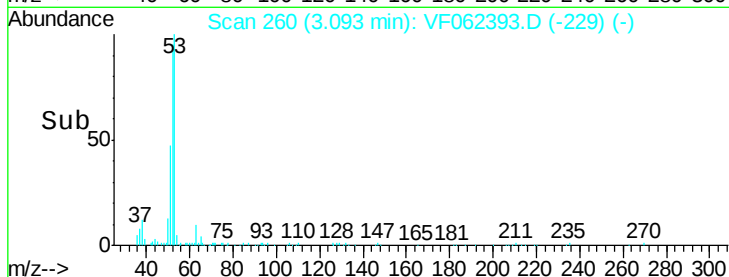
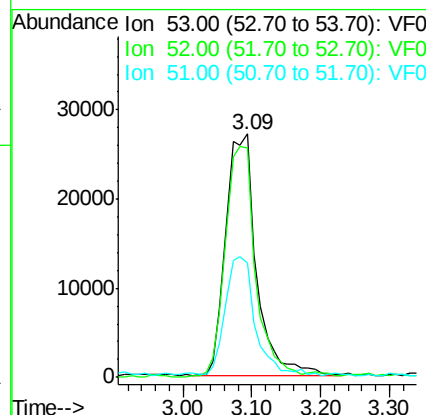
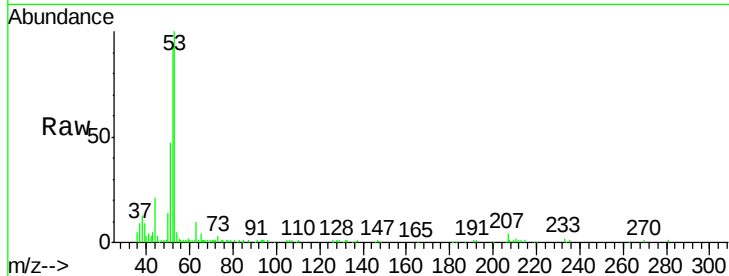
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	83263
Ion	Ratio	Lower	Upper
53	100		
52	95.3	77.2	115.8
51	49.3	40.6	61.0

Manual Integrations
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#16

Acetone

Concen: 299.471 ug/l

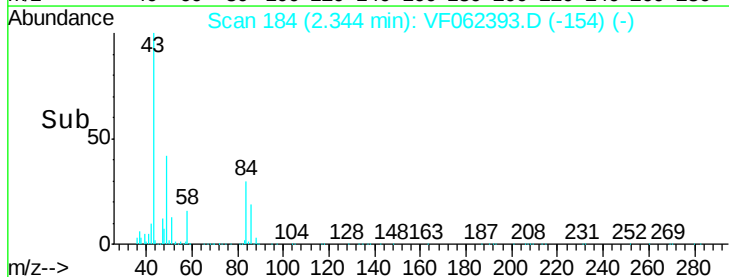
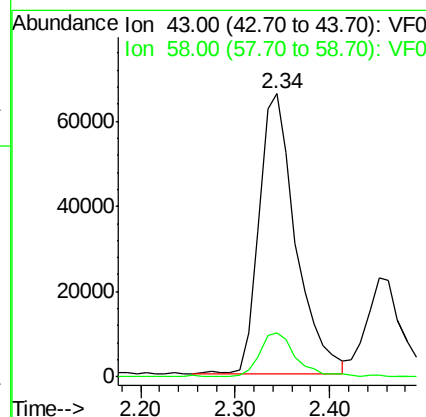
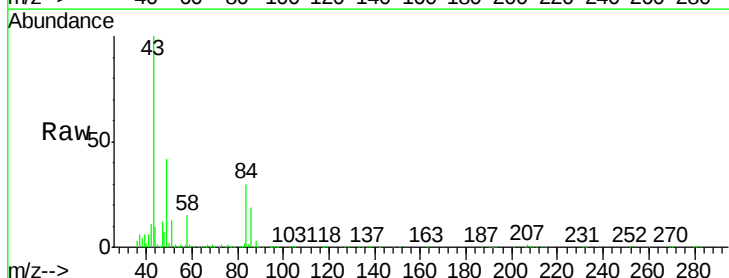
RT: 2.34 min Scan# 184

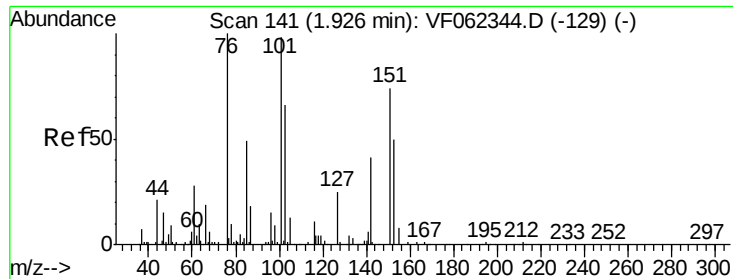
Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Tgt Ion:	43	Resp:	178402
Ion	Ratio	Lower	Upper
43	100		
58	15.0	13.1	19.7





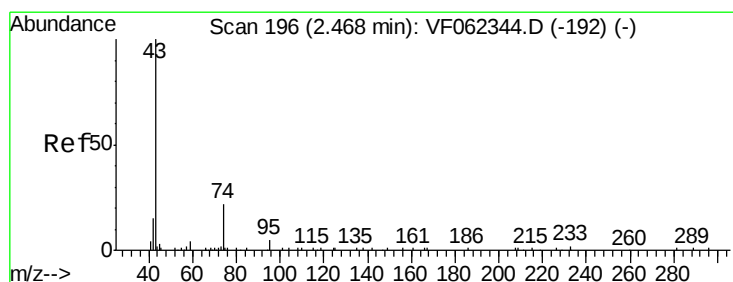
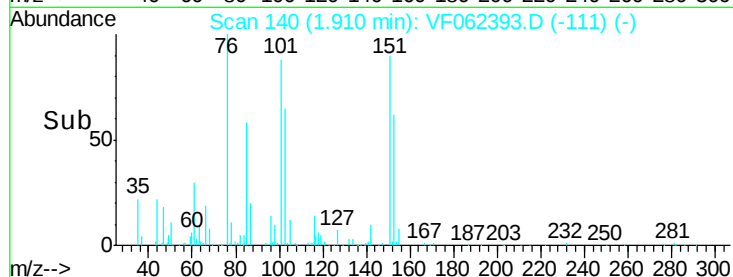
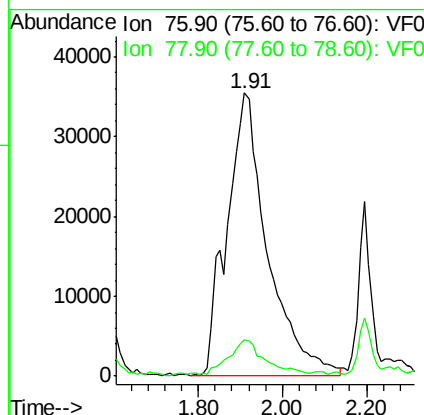
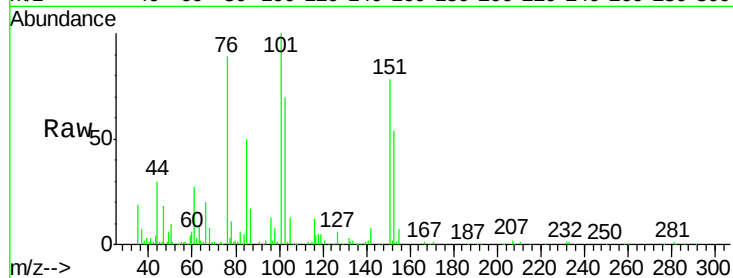
#17
Carbon Disulfide
Concen: 45.159 ug/l
RT: 1.91 min Scan# 140
Delta R.T. -0.02 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	11.5	9.0	13.4

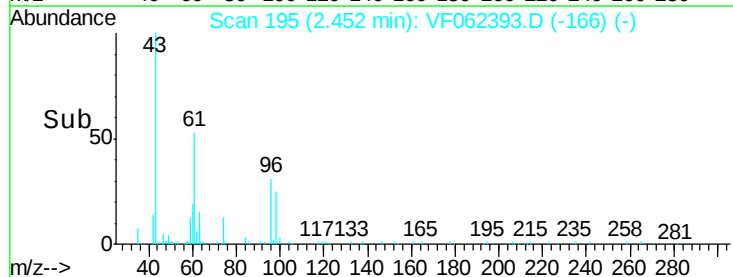
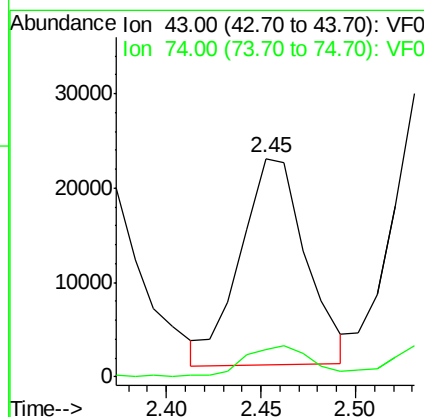
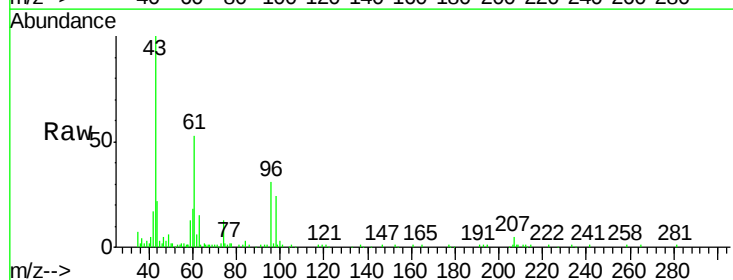
Manual Integrations
APPROVED

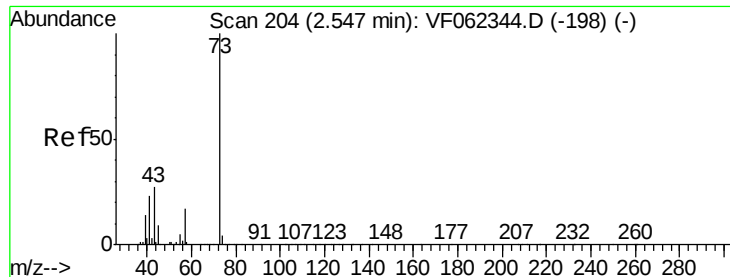
MMDadoda
5/10/2019 11:03:31 AM



#18
Methyl Acetate
Concen: 48.503 ug/l
RT: 2.45 min Scan# 195
Delta R.T. -0.02 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.8	15.0	22.4





#19

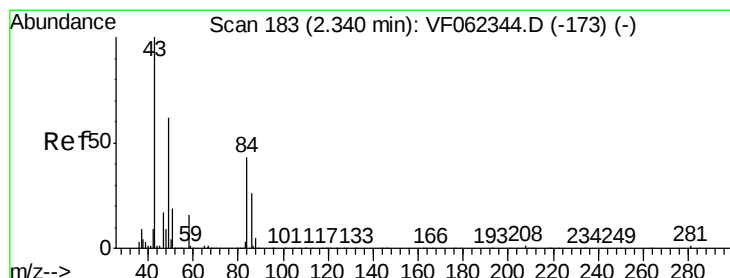
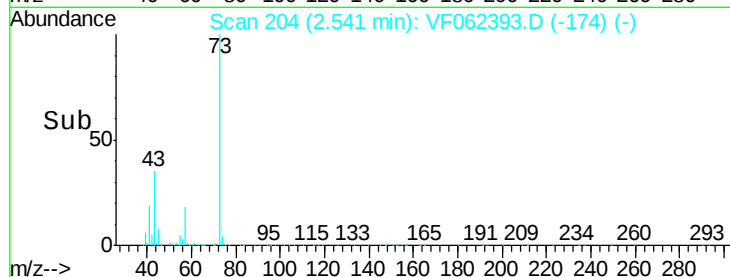
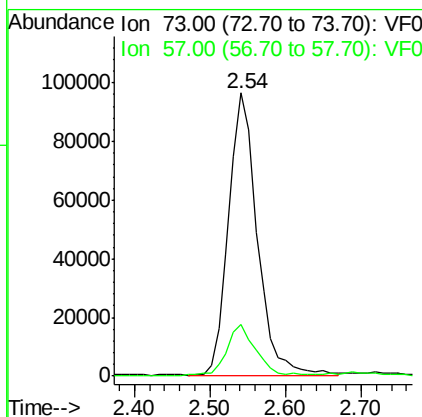
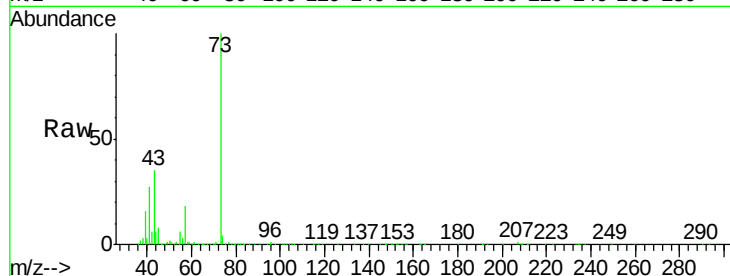
Methyl tert-butyl Ether
 Concen: 51.112 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. -0.01 min
 Lab File: VF062393.D
 Acq: 9 May 2019 12:41

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDCCC050

Tot Ion	73	Resp	252069
Ion Ratio	Lower	Upper	
73	100		
57	18.1	13.7	20.5

Manual Integrations
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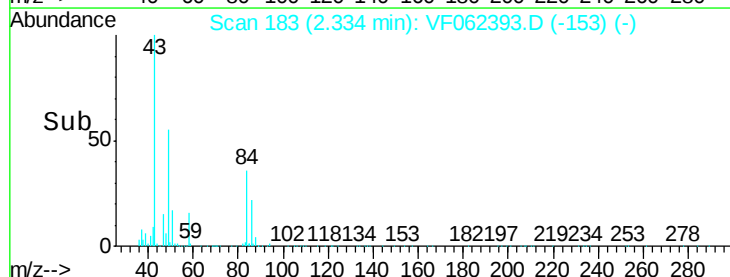
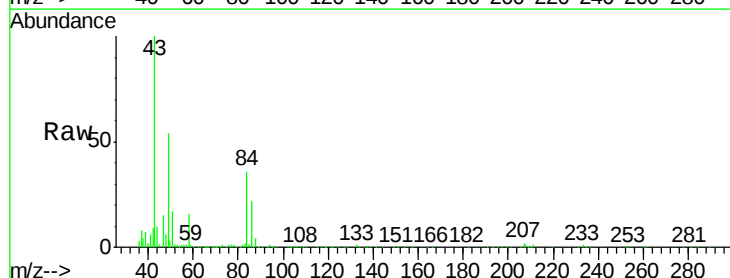
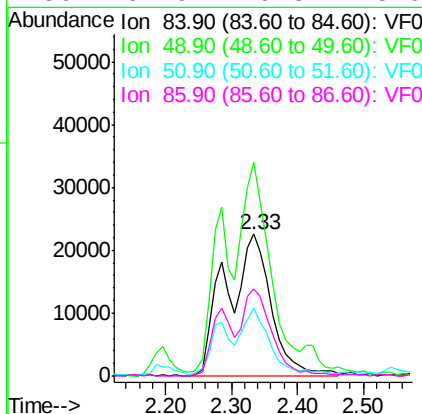
MMDadoda
 5/10/2019 11:03:31 AM

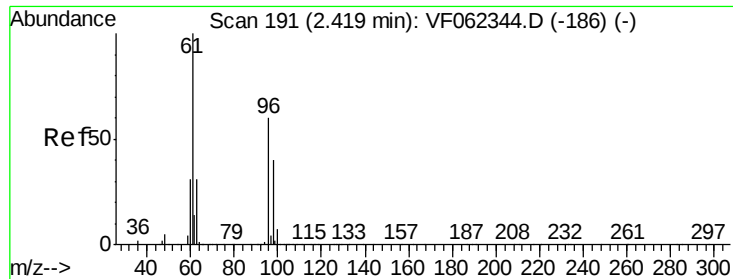


#20

Methylene Chloride
 Concen: 50.512 ug/l m
 RT: 2.33 min Scan# 183
 Delta R.T. -0.01 min
 Lab File: VF062393.D
 Acq: 9 May 2019 12:41

Tgt Ion	84	Resp	108870
Ion Ratio	Lower	Upper	
84	100		
49	150.9	117.5	176.3
51	48.2	37.0	55.4
86	61.9	49.3	73.9





#21

trans-1,2-Dichloroethene

Concen: 47.837 ug/l

RT: 2.42 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

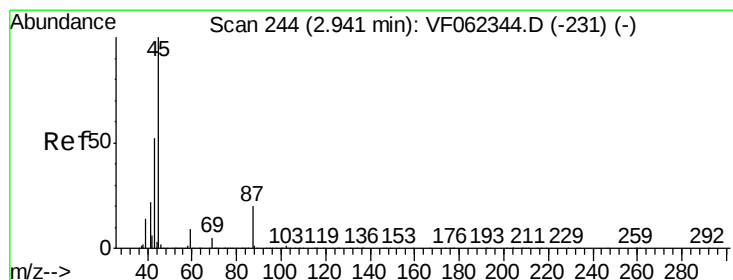
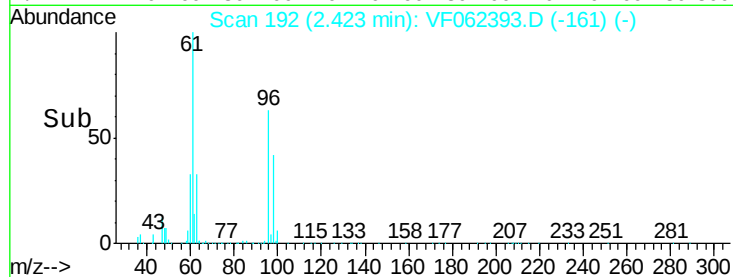
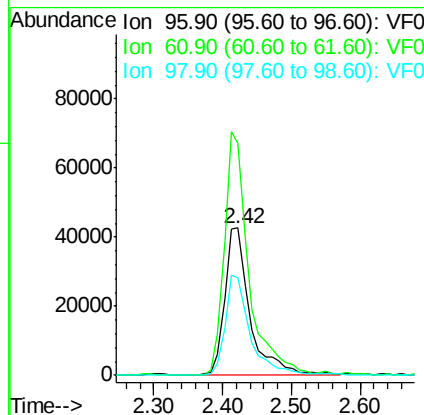
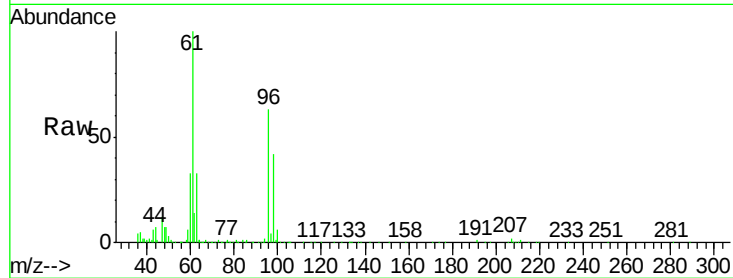
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	108887
Ion Ratio	Lower	Upper	
96	100		
61	157.7	133.2	199.8
98	66.5	53.1	79.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.931 ug/l

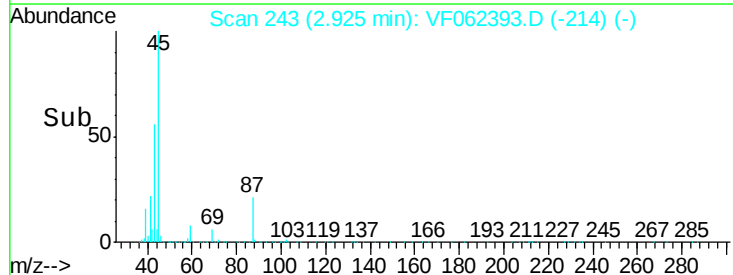
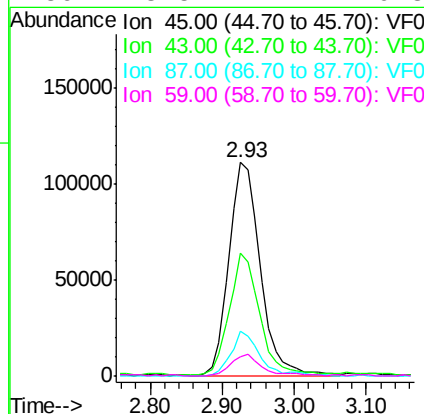
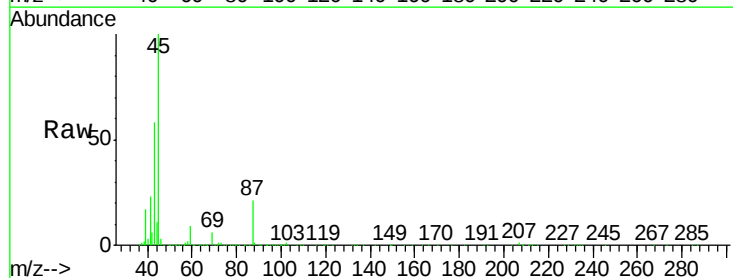
RT: 2.93 min Scan# 243

Delta R.T. -0.02 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Tgt Ion:	45	Resp:	335939
Ion Ratio	Lower	Upper	
45	100		
43	57.3	41.4	62.0
87	21.1	15.8	23.6
59	8.5	7.2	10.8





#23

Vinyl Acetate

Concen: 256.678 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 754569

Ion Ratio Lower Upper

43 100

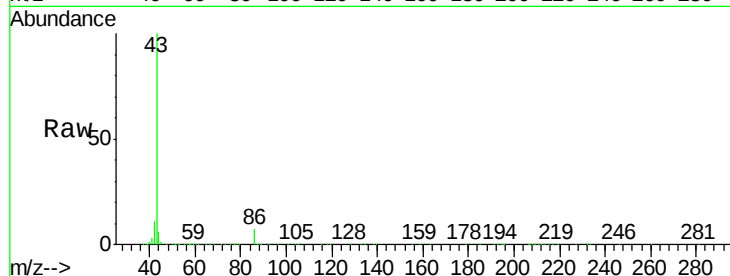
86 7.5 5.7 8.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

300000

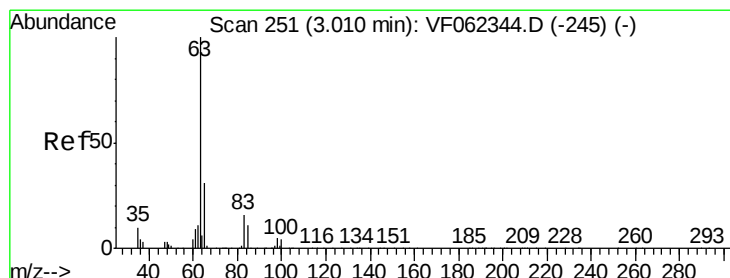
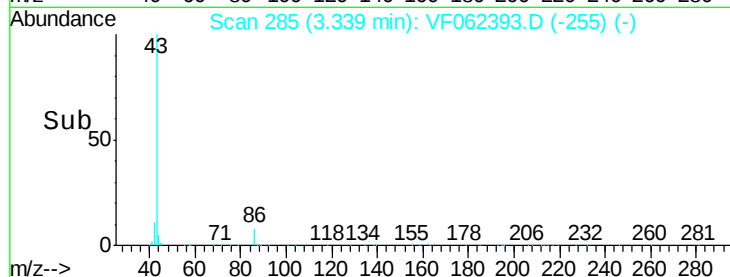
200000

100000

0

3.20 3.30 3.40 3.50

Time-->



#24

1,1-Dichloroethane

Concen: 52.957 ug/l

RT: 3.00 min Scan# 251

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

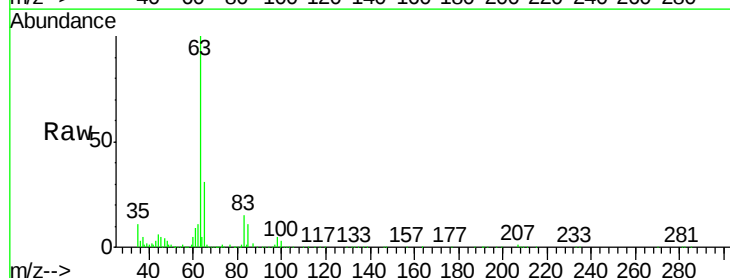
Tgt Ion: 63 Resp: 211111

Ion Ratio Lower Upper

63 100

98 4.8 2.6 8.0

100 2.6 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

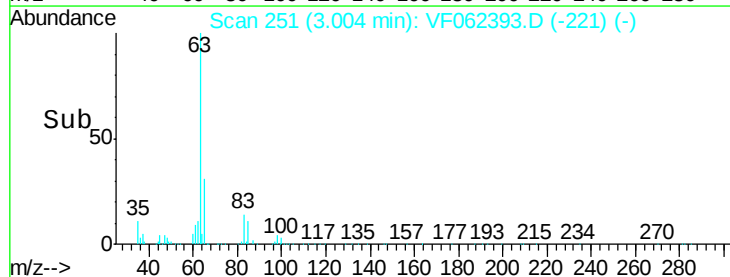
40000

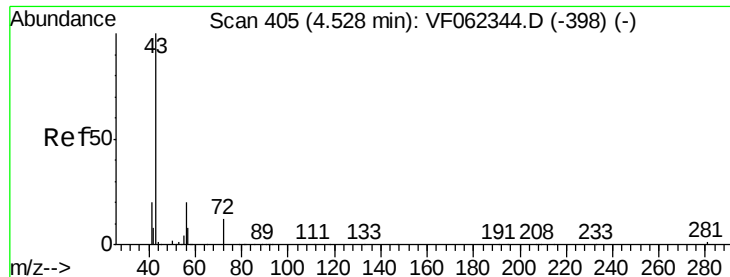
20000

0

2.90 3.00 3.10 3.20

Time-->





#25

2-Butanone

Concen: 253.724 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.02 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 189893

Ion Ratio Lower Upper

43 100

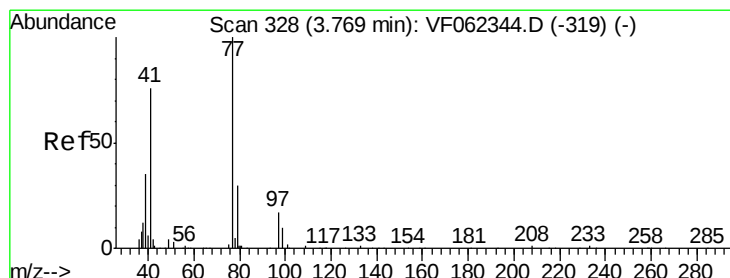
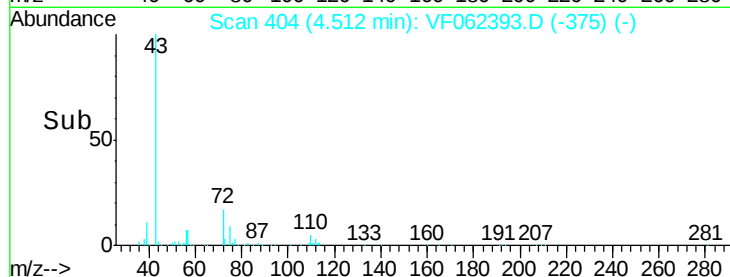
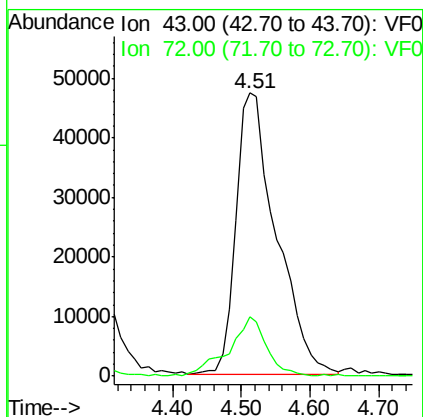
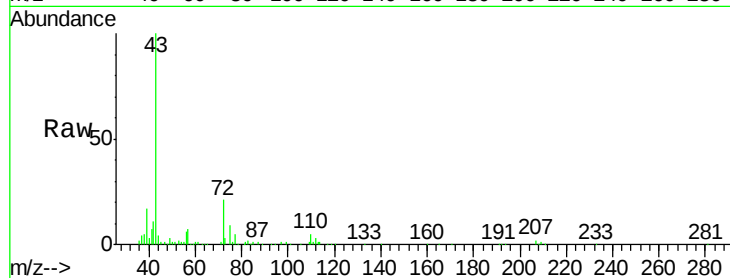
72 20.4 14.2 21.4

Manual Integrations

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MMDadoda

5/10/2019 11:03:31 AM



#26

2,2-Dichloropropane

Concen: 56.598 ug/l

RT: 3.77 min Scan# 329

Delta R.T. 0.00 min

Lab File: VF062393.D

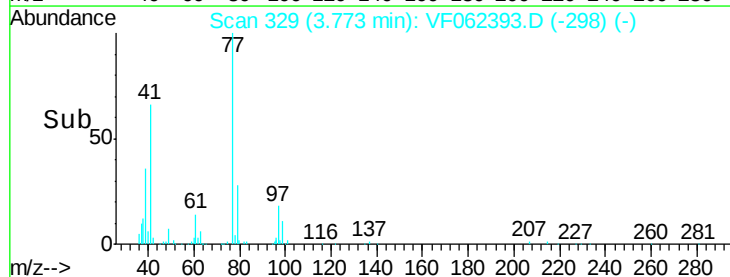
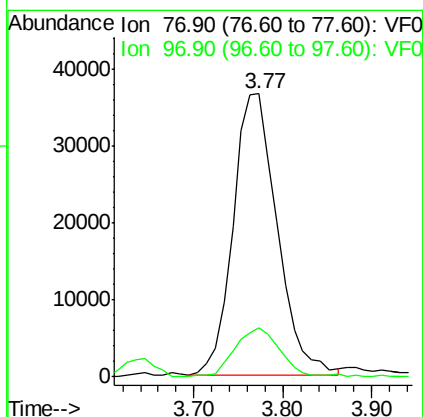
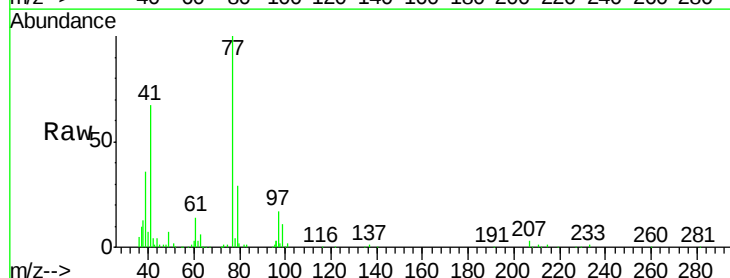
Acq: 9 May 2019 12:41

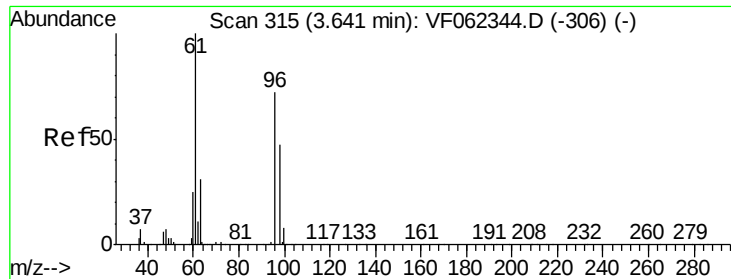
Tgt Ion: 77 Resp: 125999

Ion Ratio Lower Upper

77 100

97 18.2 9.5 28.5





#27

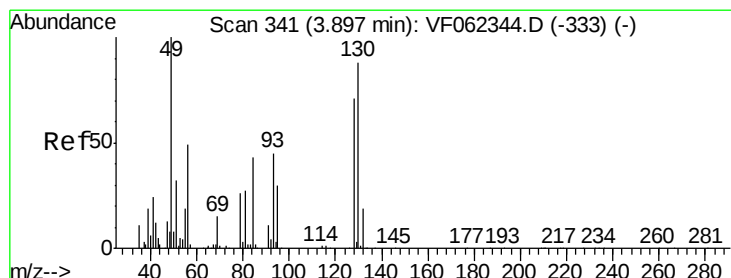
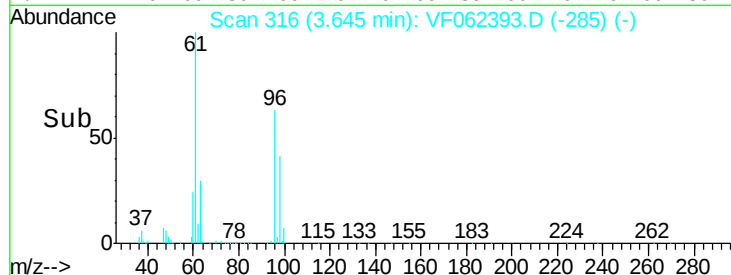
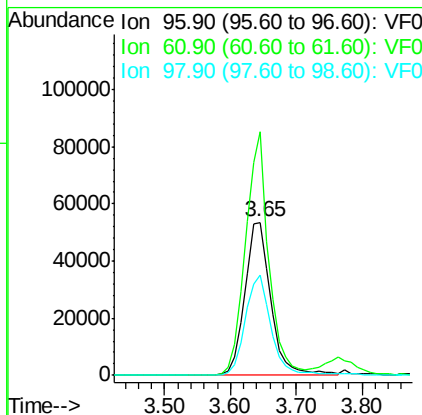
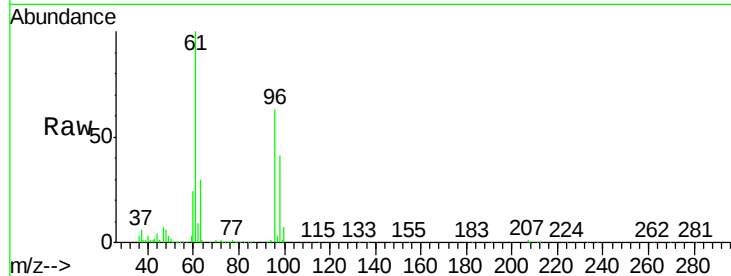
cis-1,2-Dichloroethene
 Concen: 51.950 ug/l
 RT: 3.65 min Scan# 316
 Delta R.T. 0.00 min
 Lab File: VF062393.D
 Acq: 9 May 2019 12:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.4	0.0	263.0
98	65.0	0.0	130.8

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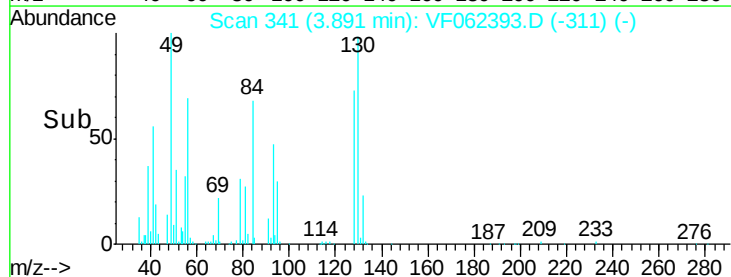
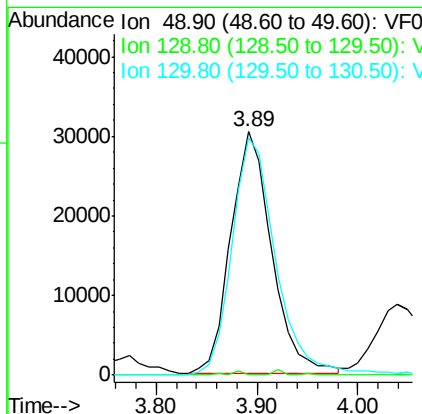
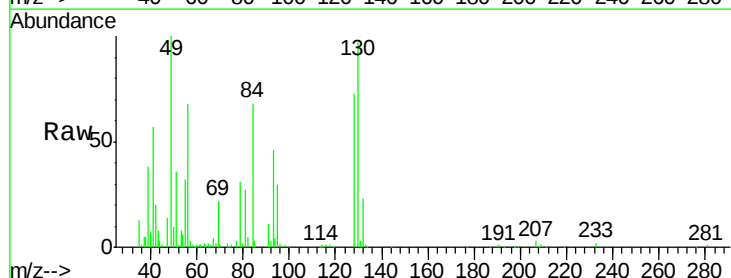
MMDadoda
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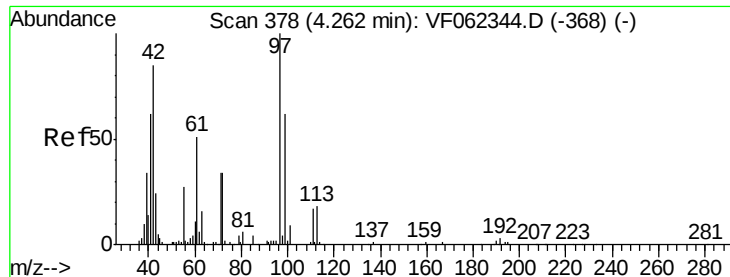


#28

Bromochloromethane
 Concen: 47.520 ug/l
 RT: 3.89 min Scan# 341
 Delta R.T. -0.01 min
 Lab File: VF062393.D
 Acq: 9 May 2019 12:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	2.2
130	105.3	79.4	119.0





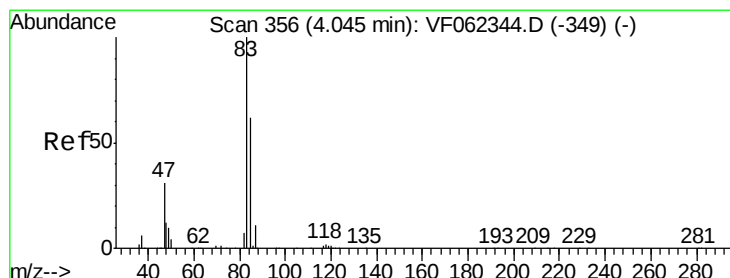
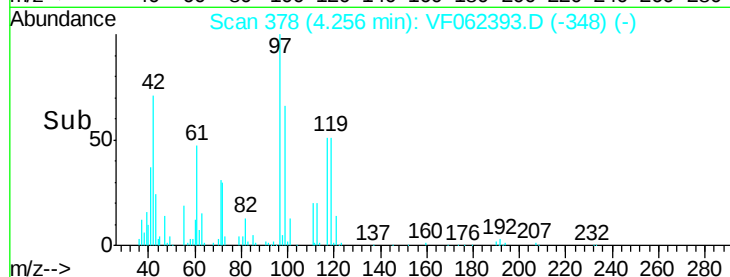
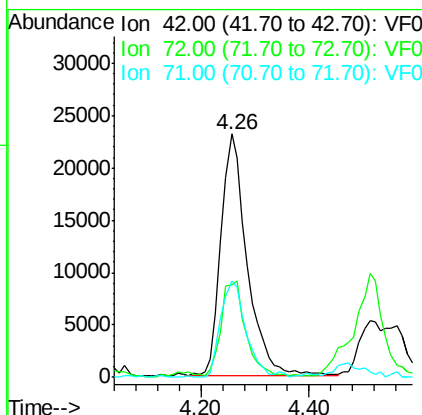
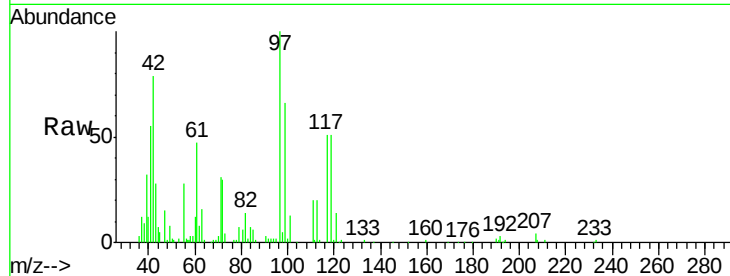
#29
Tetrahydrofuran
Concen: 223.963 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.4	31.4	47.0
71	38.1	31.7	47.5

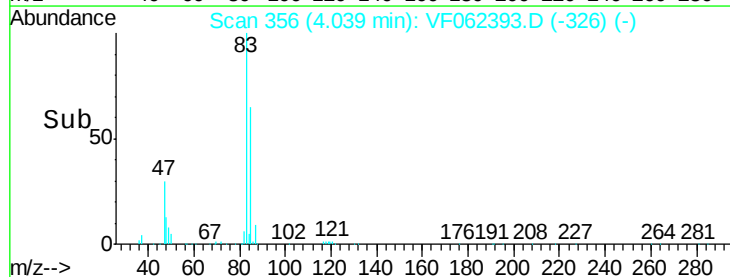
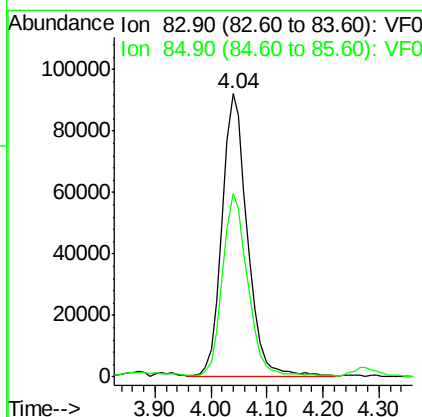
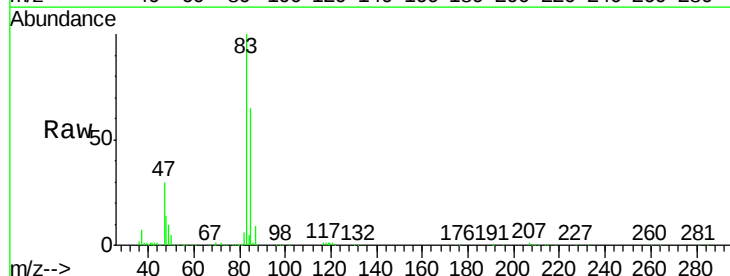
Manual Integrations
APPROVED

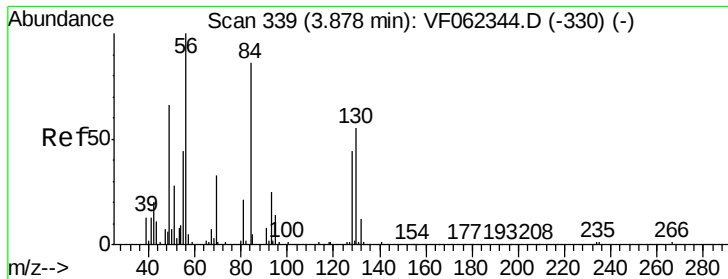
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#30
Chloroform
Concen: 54.216 ug/l
RT: 4.04 min Scan# 356
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	49.6	74.4





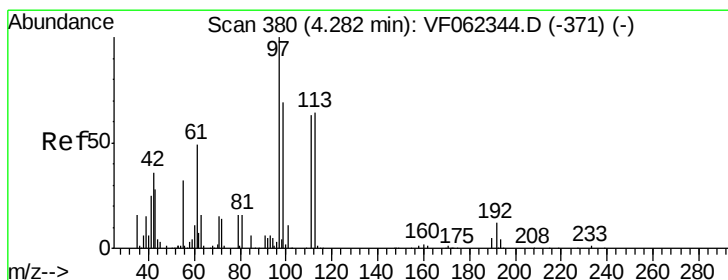
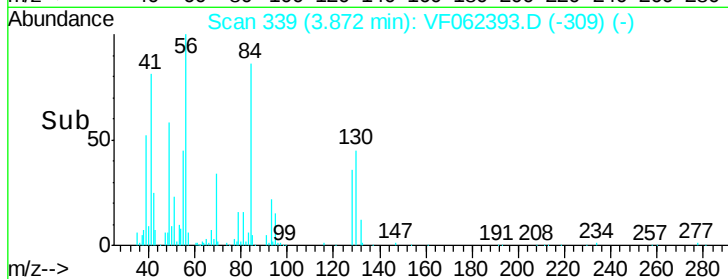
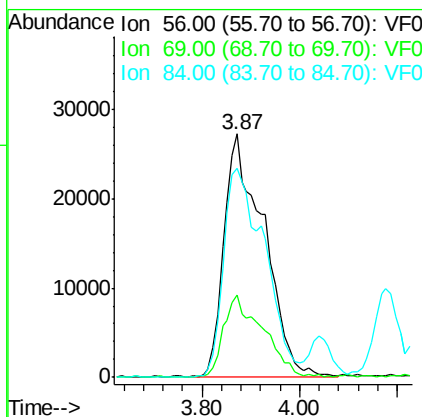
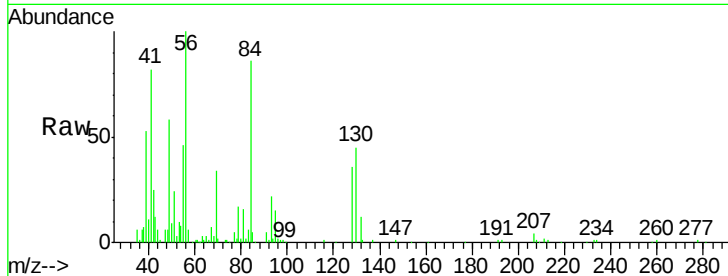
#31
Cyclohexane
Concen: 48.460 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.9	26.4	39.6
84	86.0	69.0	103.6

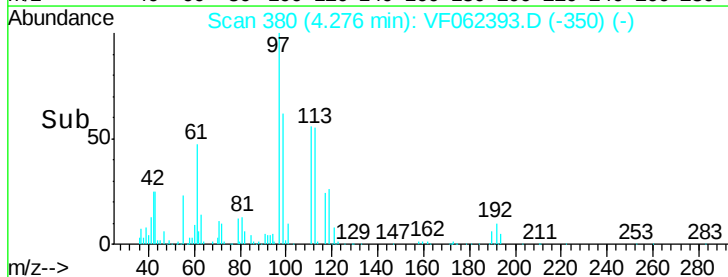
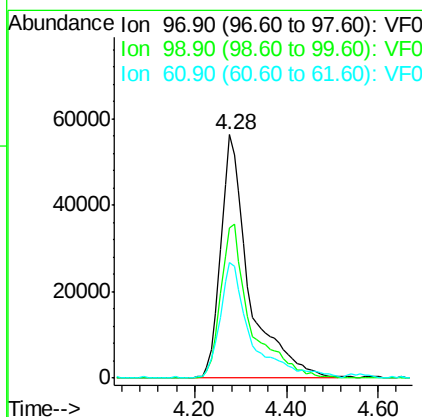
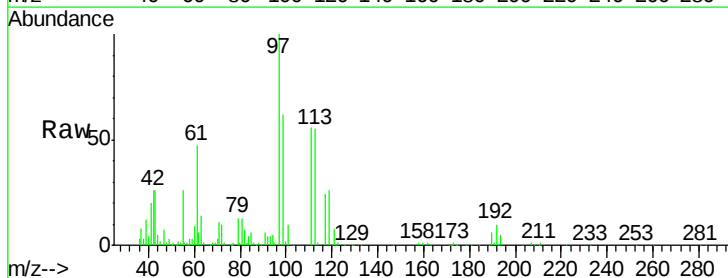
Manual Integrations
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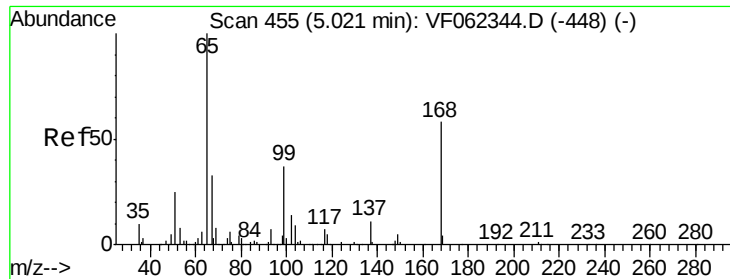
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#32
1,1,1-Trichloroethane
Concen: 52.503 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	52.6	78.8
61	50.3	39.4	59.0





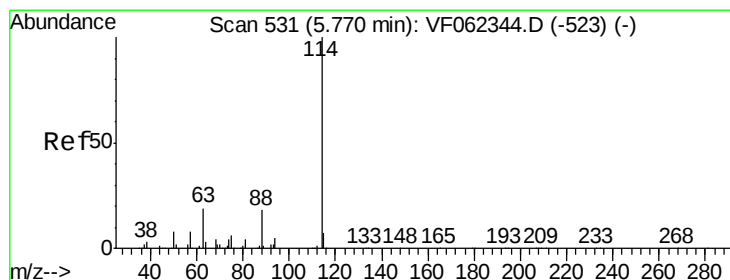
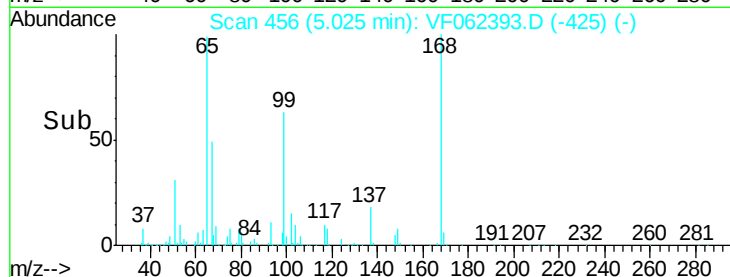
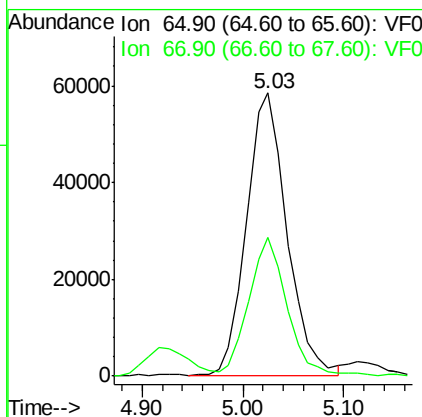
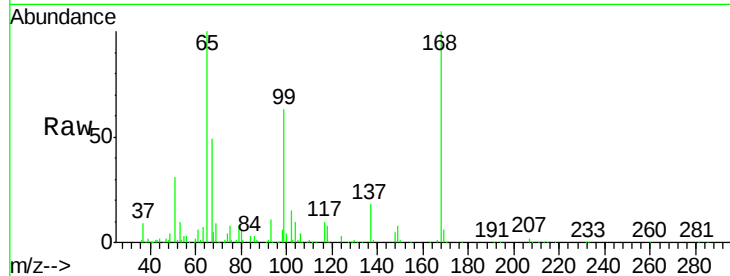
#33
 1,2-Dichloroethane-d4
 Concen: 55.280 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. 0.00 min
 Lab File: VF062393.D
 Acq: 9 May 2019 12:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	162791		
67	45.8	0.0	85.8	

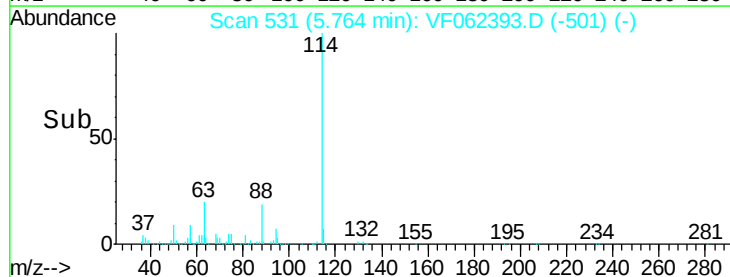
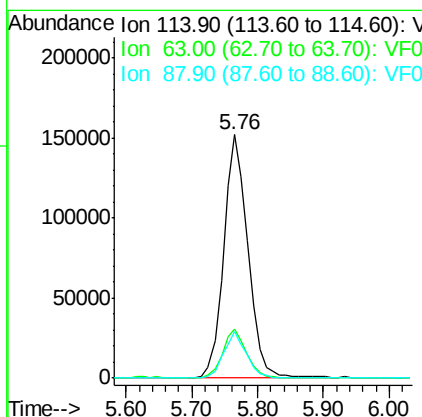
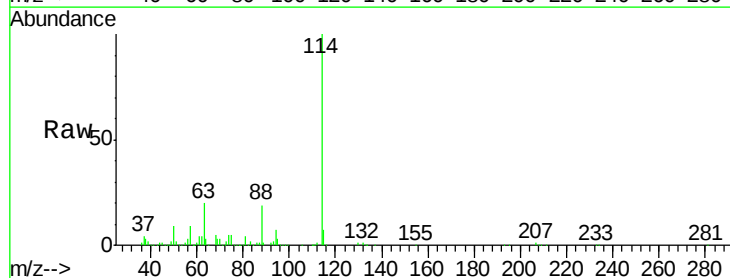
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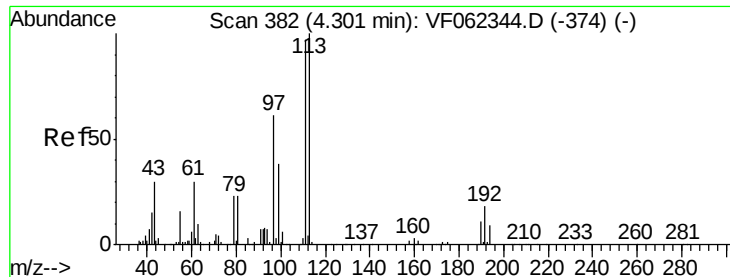
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VF062393.D
 Acq: 9 May 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	390807		
63	20.2	0.0	37.4	
88	18.9	0.0	36.4	





#35

Dibromofluoromethane

Concen: 56.825 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

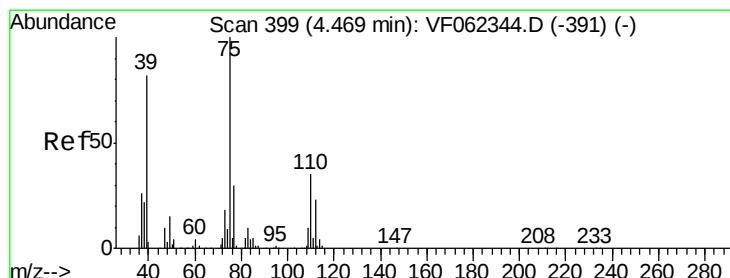
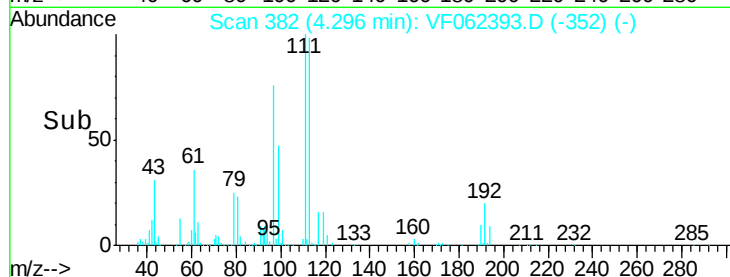
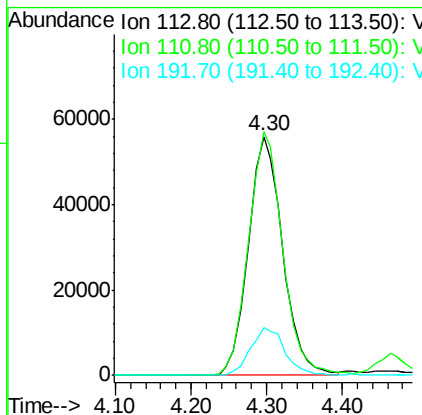
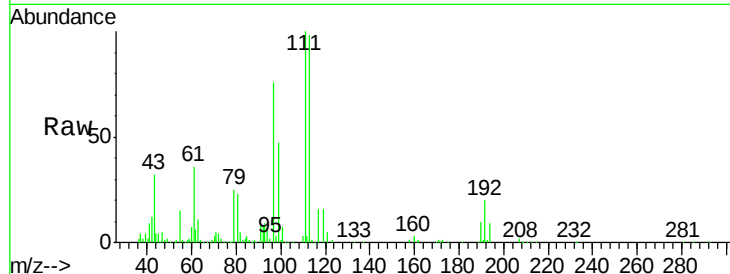
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	176923
Ion	Ratio	Lower	Upper
113	100		
111	102.0	79.4	119.0
192	20.1	16.0	24.0

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#36

1,1-Dichloropropene

Concen: 53.785 ug/l

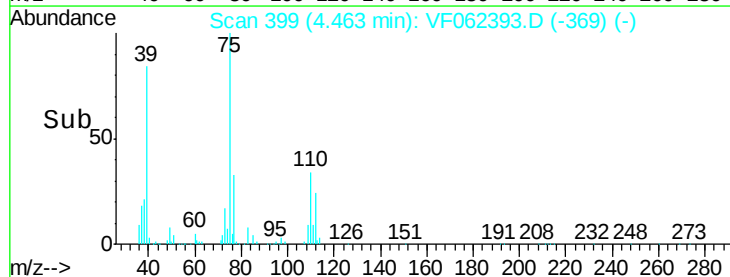
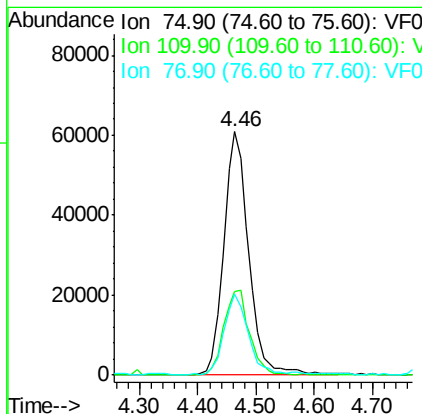
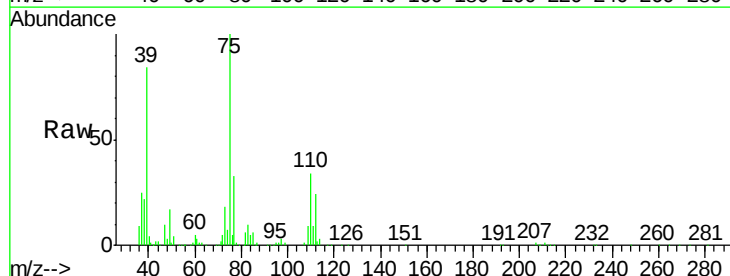
RT: 4.46 min Scan# 399

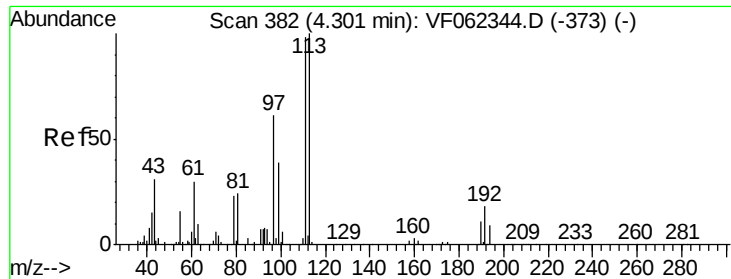
Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Tgt Ion:	75	Resp:	180565
Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.2	51.5
77	32.2	25.2	37.8





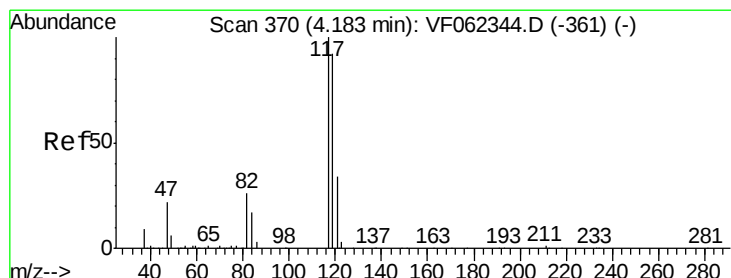
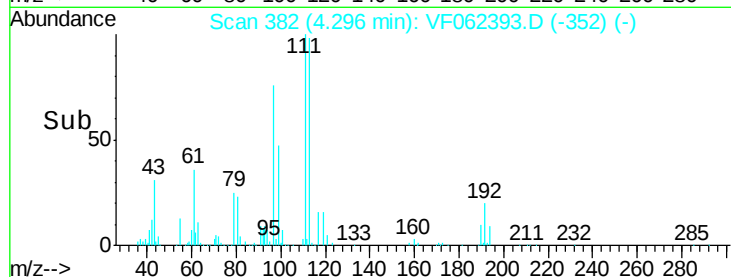
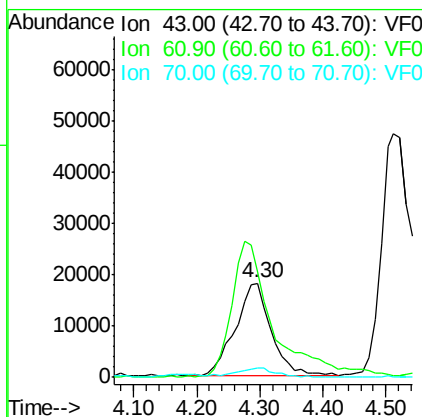
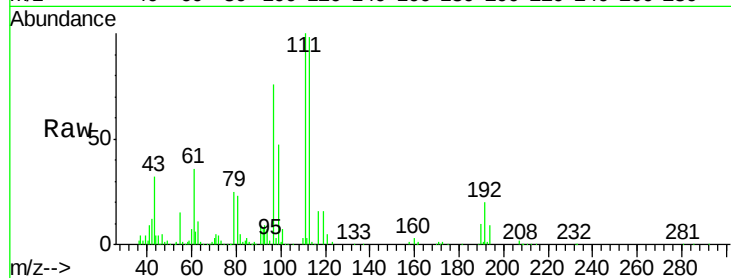
#37
Ethyl Acetate
Concen: 55.535 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	169.6	0.0	0.0#
70	11.2	8.2	12.2

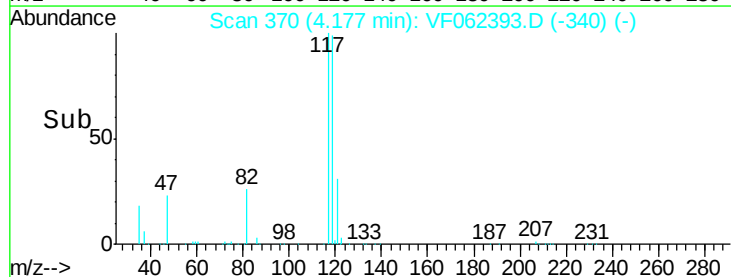
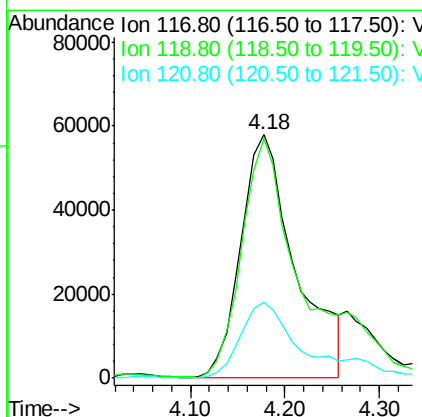
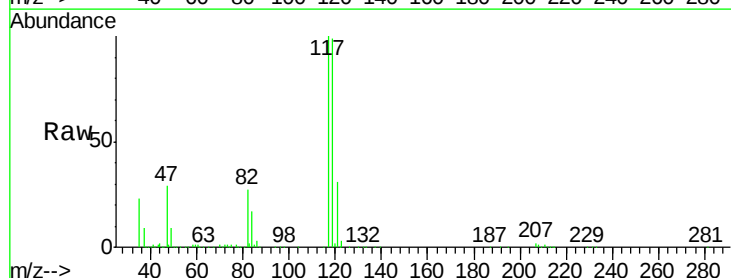
Manual Integrations
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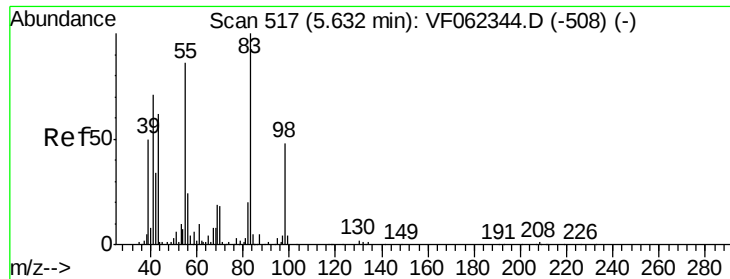
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#38
Carbon Tetrachloride
Concen: 68.048 ug/l m
RT: 4.18 min Scan# 370
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.5	73.4	110.2
121	31.0	27.4	41.0





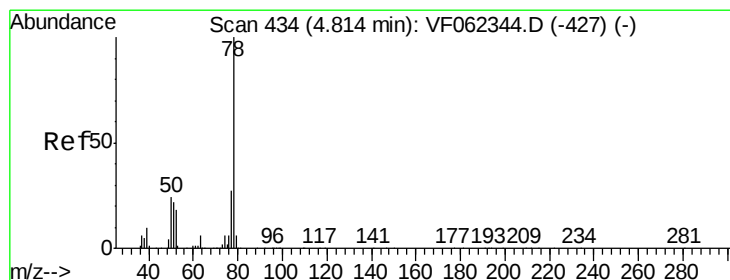
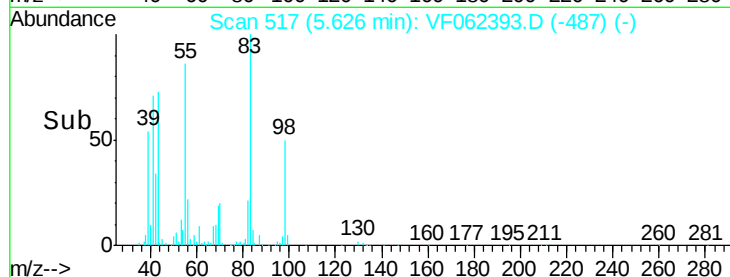
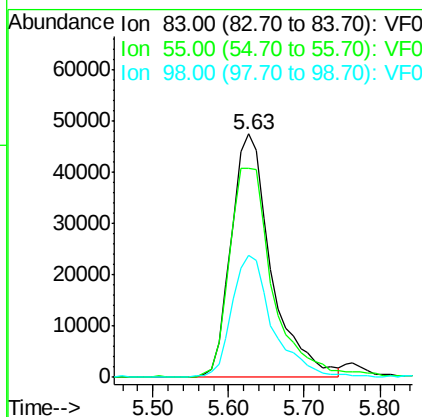
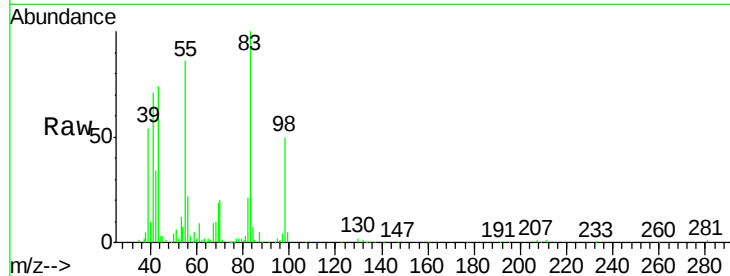
#39
Methvlcvclohexane
Concen: 51.813 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	174452
Ion	Ratio	Lower	Upper
83	100		
55	85.4	69.0	103.6
98	50.4	38.6	58.0

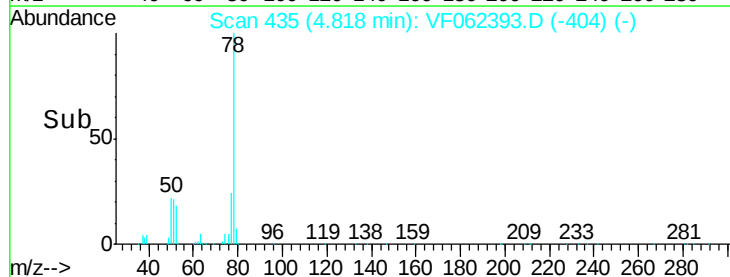
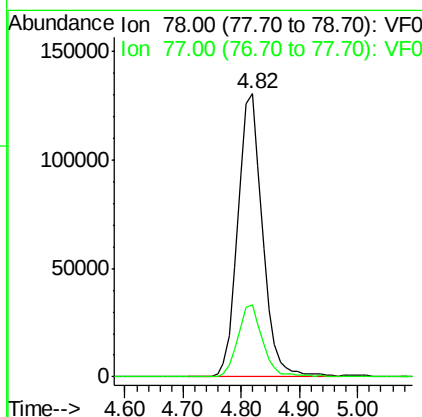
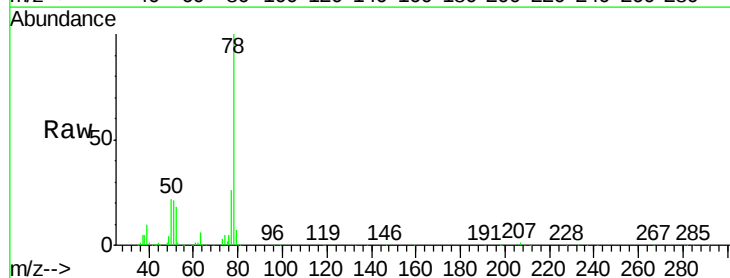
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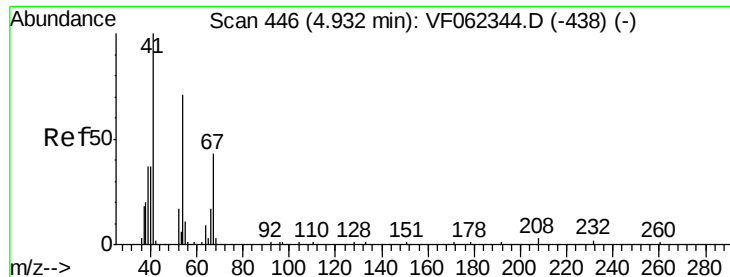
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#40
Benzene
Concen: 52.310 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Tgt Ion	78	Resp	386714
Ion	Ratio	Lower	Upper
78	100		
77	25.5	21.6	32.4





#41

Methacrylonitrile

Concen: 50.005 ug/l

RT: 4.93 min Scan# 446

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

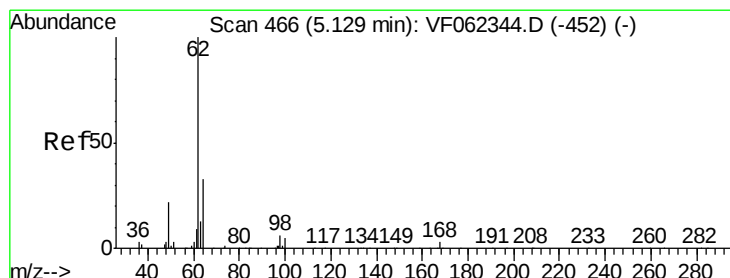
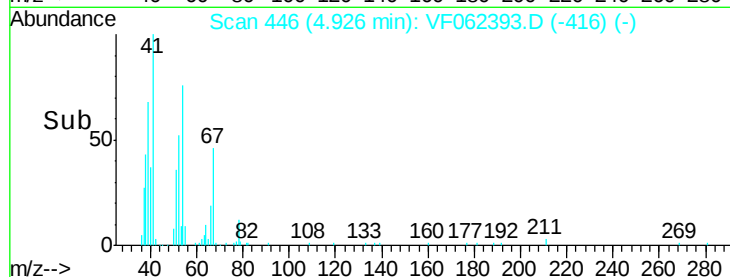
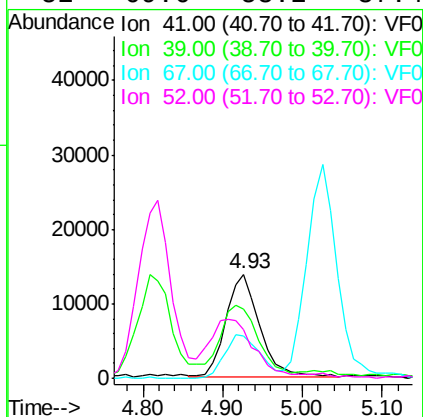
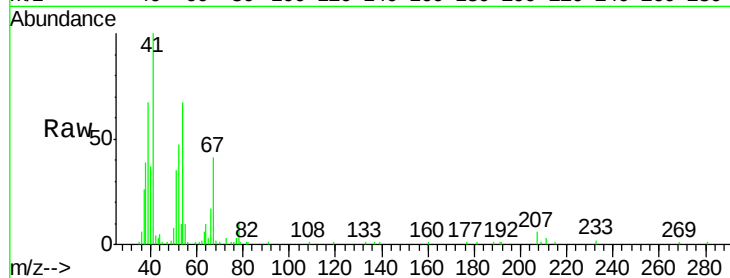
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	78.5	54.3	81.5	
67	45.9	37.8	56.8	
52	69.6	58.2	87.4	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 58.947 ug/l

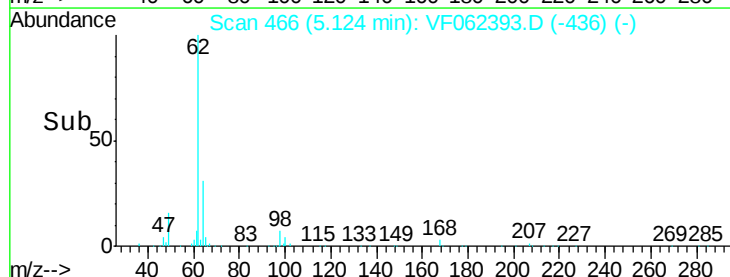
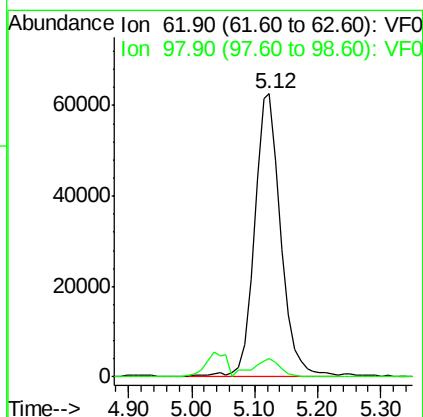
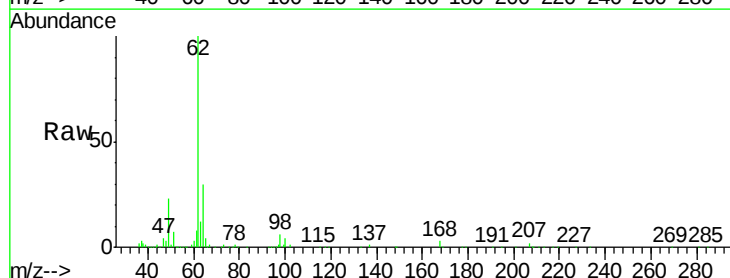
RT: 5.12 min Scan# 466

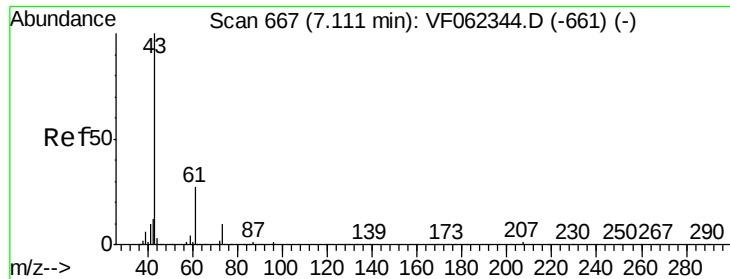
Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	6.0	0.0	12.4	





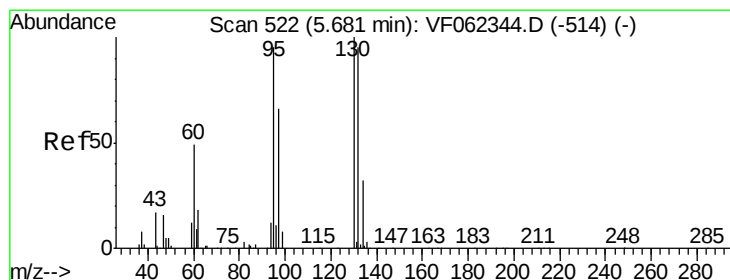
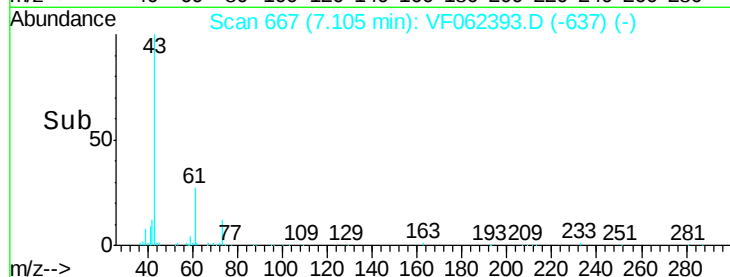
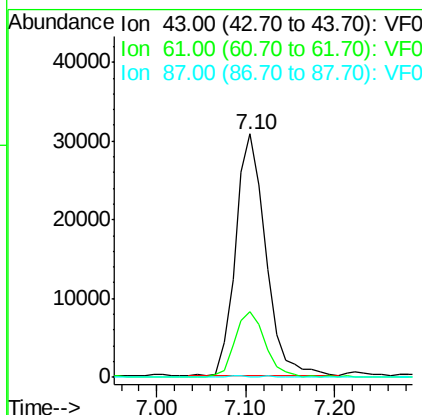
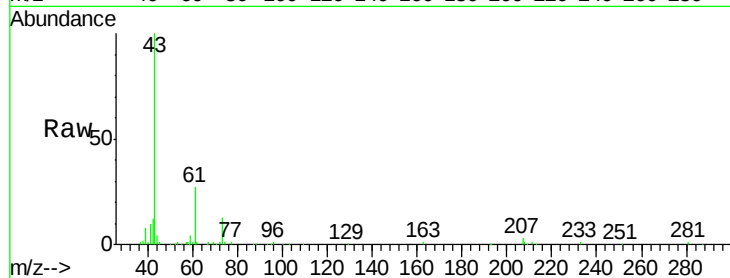
#43
Isopropyl Acetate
Concen: 47.457 ug/l
RT: 7.10 min Scan# 667
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.6	22.8	34.2
87	0.4	0.6	1.0

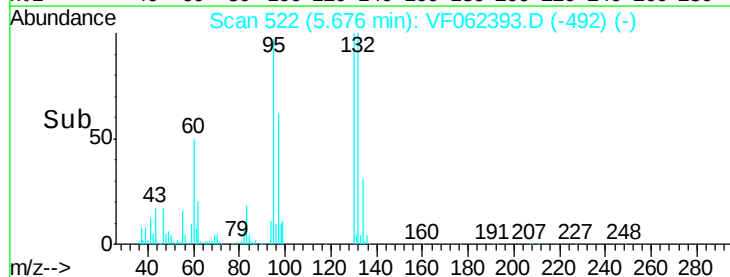
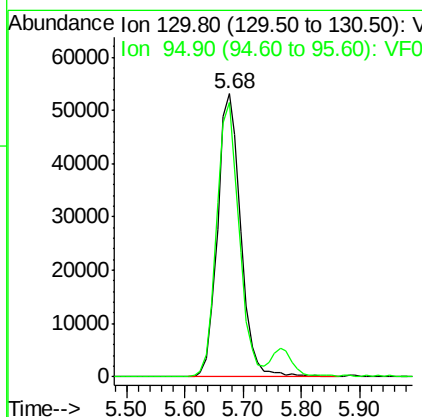
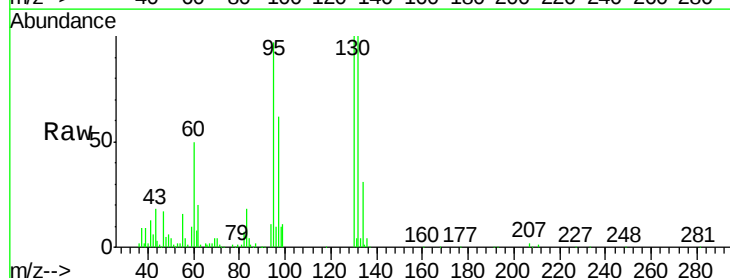
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#44
Trichloroethene
Concen: 53.973 ug/l
RT: 5.68 min Scan# 522
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	189.0





#45

1,2-Dichloropropane

Concen: 54.835 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 91819

Ion Ratio Lower Upper

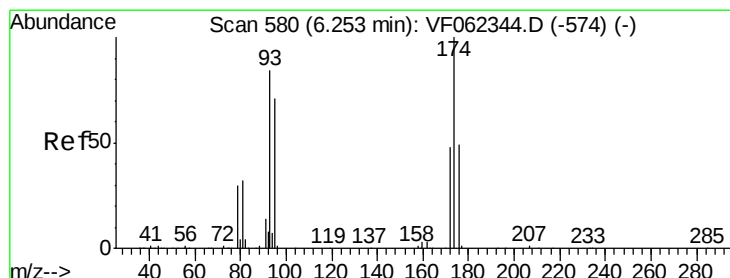
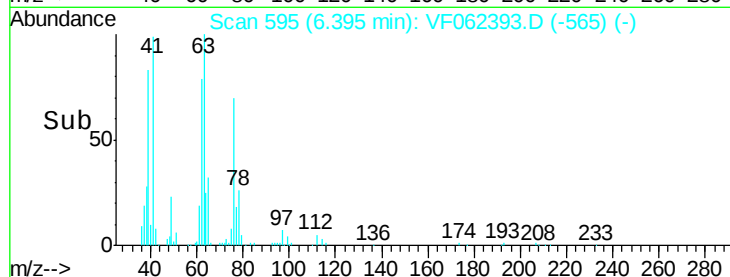
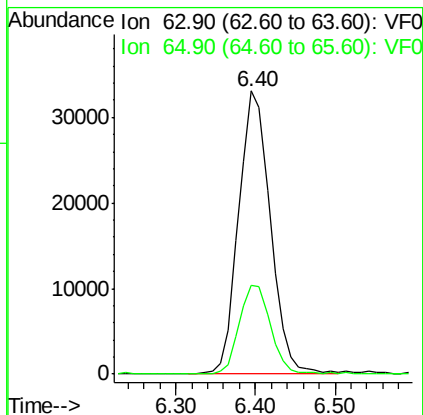
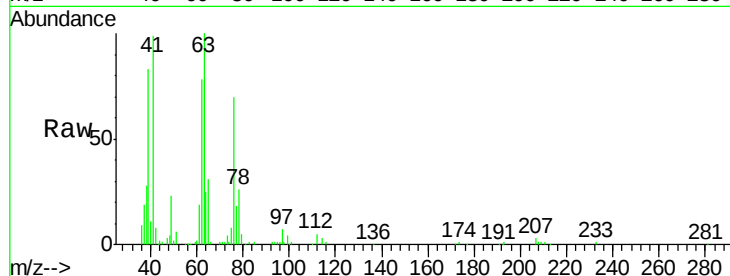
63 100

65 31.5 25.6 38.4

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#46

Dibromomethane

Concen: 54.334 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

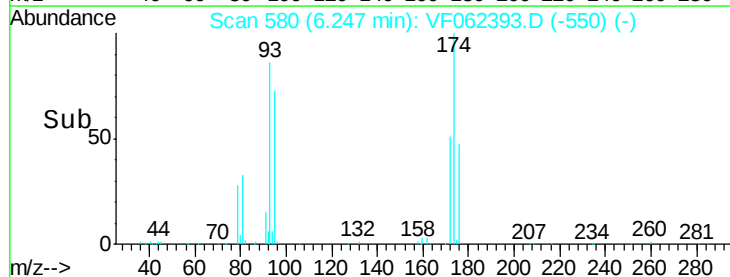
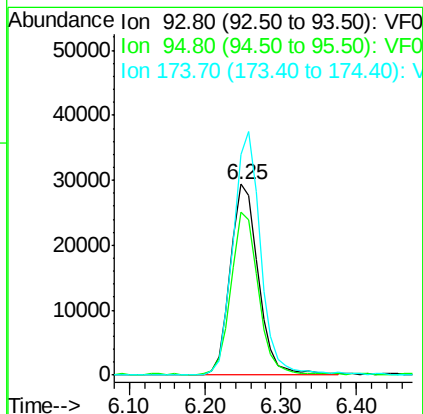
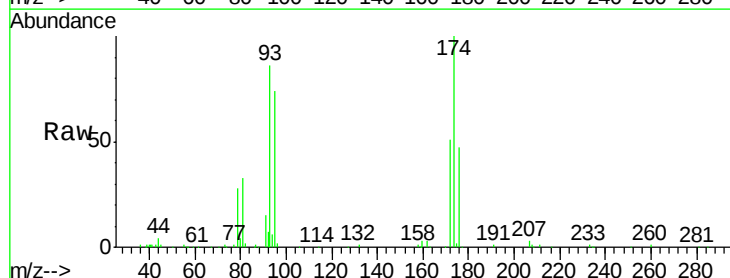
Tgt Ion: 93 Resp: 75434

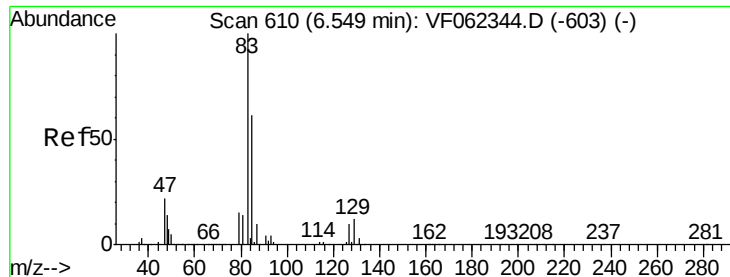
Ion Ratio Lower Upper

93 100

95 83.7 68.4 102.6

174 125.4 99.6 149.4





#47

Bromodichloromethane

Concen: 59.036 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

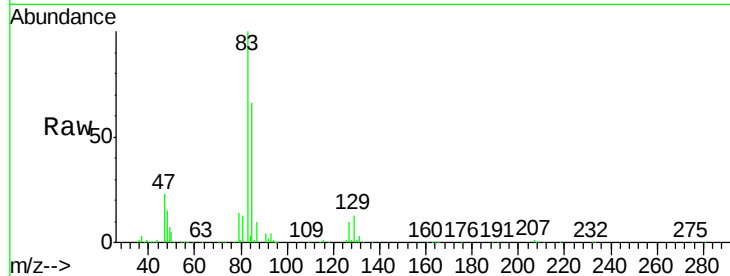
ClientSampleId :

VSTDCCC050

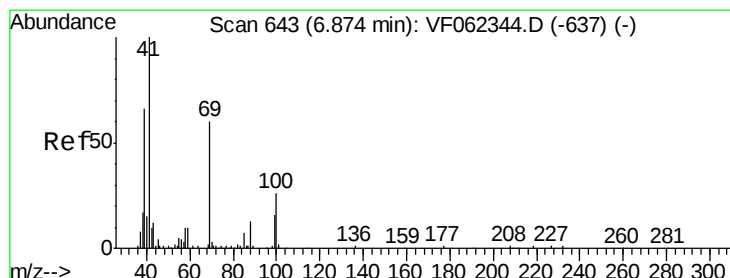
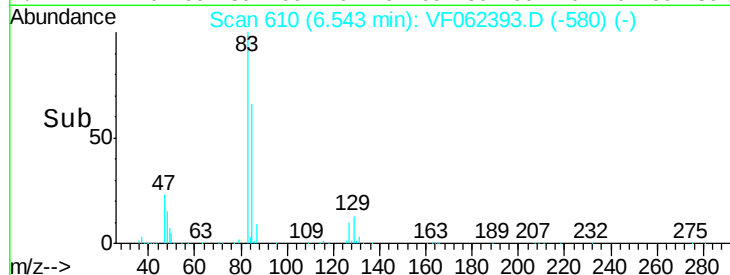
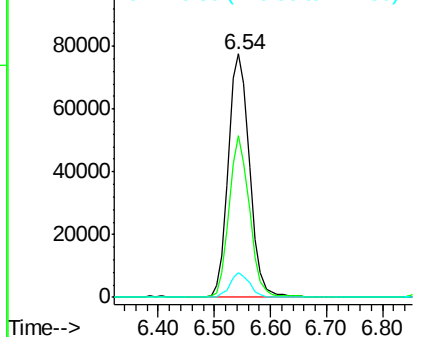
Tot Ion:	83	Resp:	204920
Ion	Ratio	Lower	Upper
83	100		
85	66.4	49.1	73.7
127	10.3	7.8	11.8

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Abundance Ion 82.90 (82.60 to 83.60): VF0
Ion 84.90 (84.60 to 85.60): VF0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 50.473 ug/l

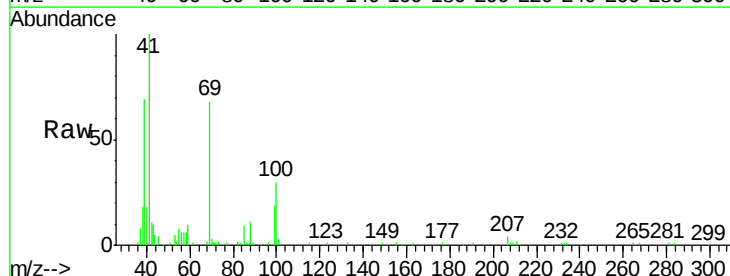
RT: 6.87 min Scan# 643

Delta R.T. -0.01 min

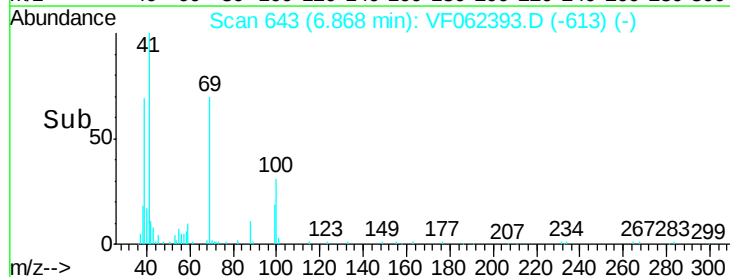
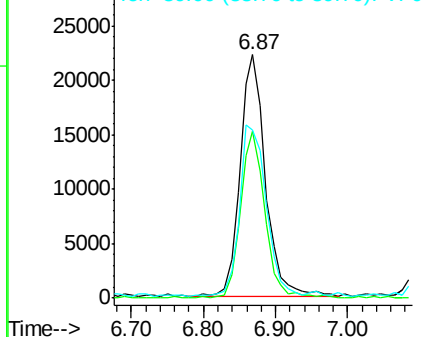
Lab File: VF062393.D

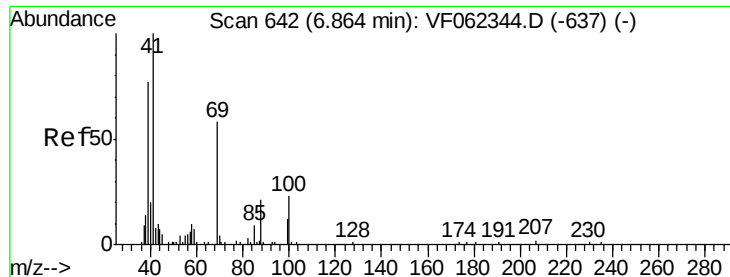
Acq: 9 May 2019 12:41

Tgt Ion:	41	Resp:	54467
Ion	Ratio	Lower	Upper
41	100		
69	66.8	48.6	72.8
39	75.1	56.1	84.1



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 929.562 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

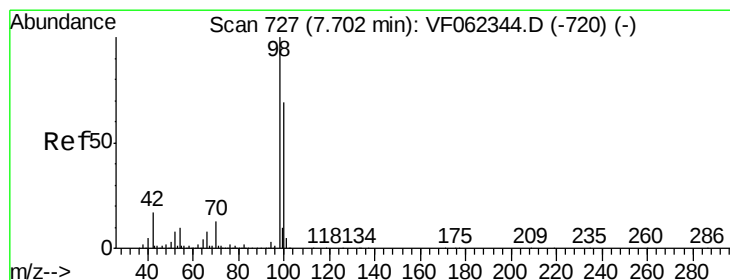
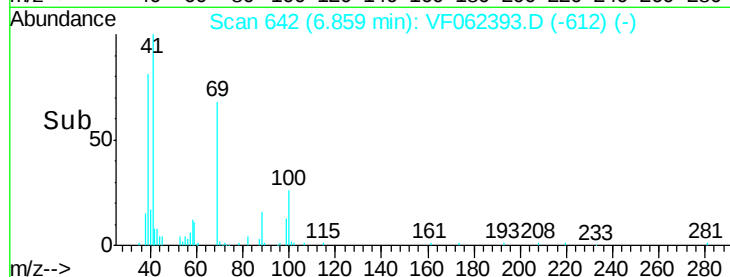
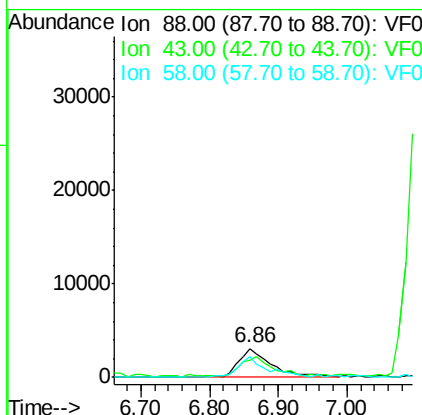
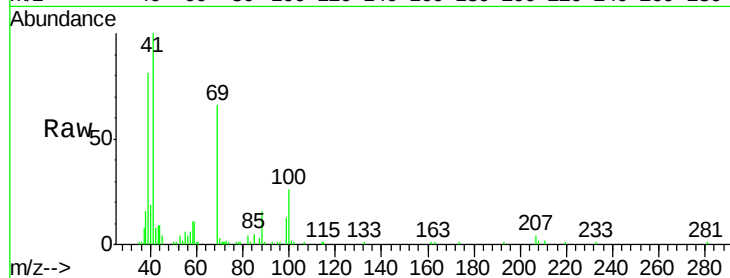
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	10327
Ion	Ratio	Lower	Upper
88	100		
43	60.7	55.6	83.4
58	61.9	52.8	79.2

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#50

Toluene-d8

Concen: 55.856 ug/l

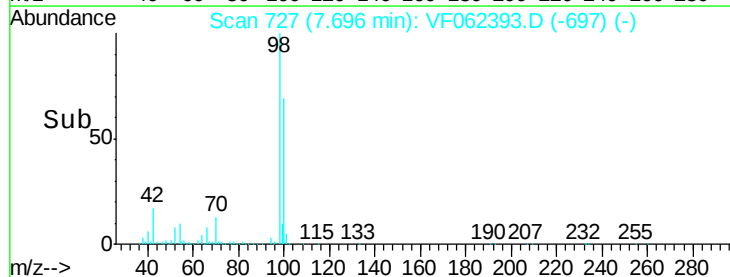
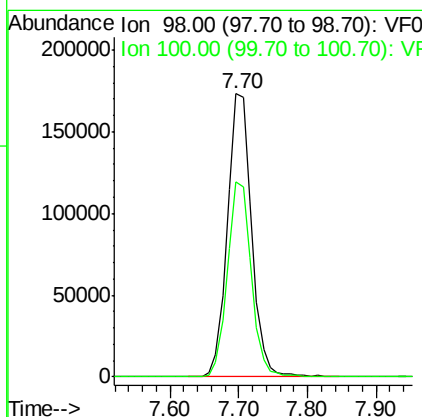
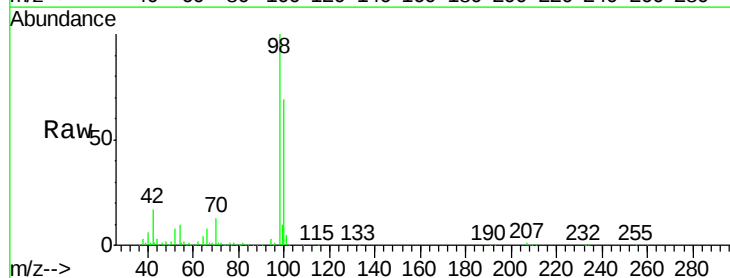
RT: 7.70 min Scan# 727

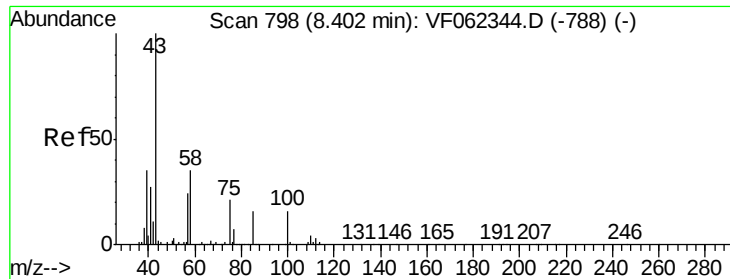
Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Tgt Ion:	98	Resp:	420969
Ion	Ratio	Lower	Upper
98	100		
100	68.2	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 267.646 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 309688

Ion Ratio Lower Upper

43 100

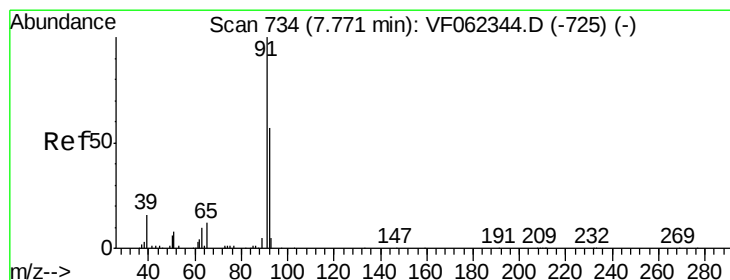
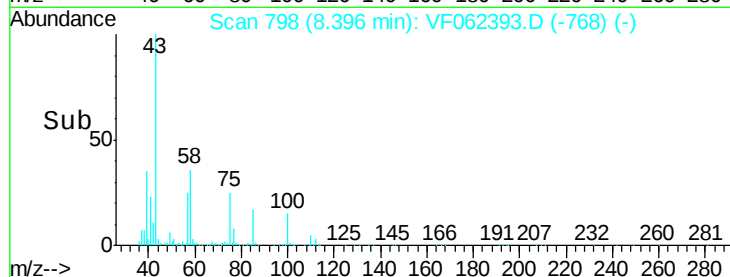
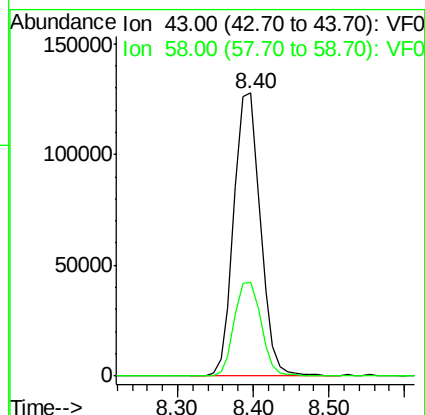
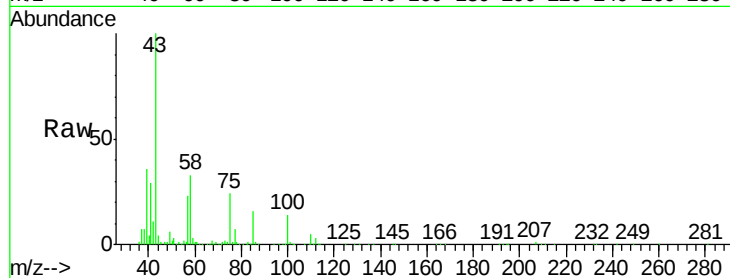
58 33.8 27.8 41.6

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#52

Toluene

Concen: 55.814 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF062393.D

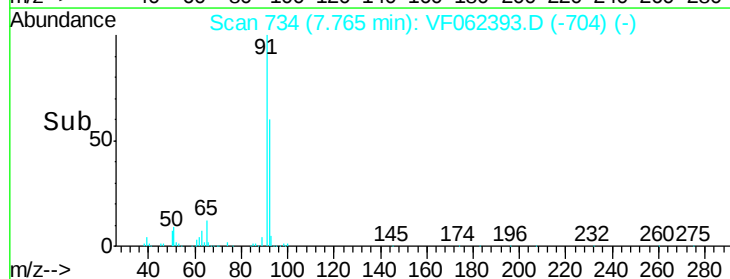
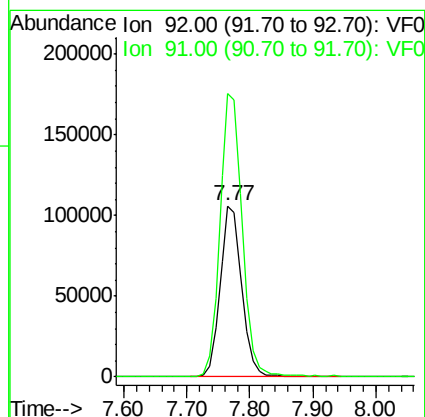
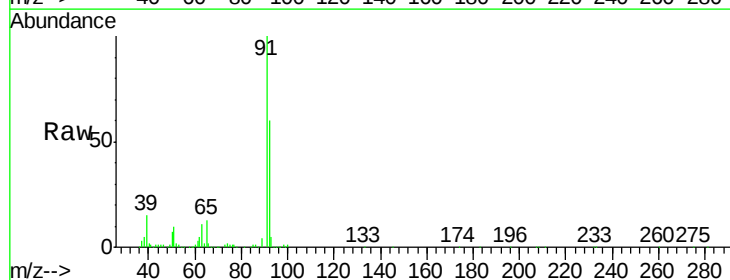
Acq: 9 May 2019 12:41

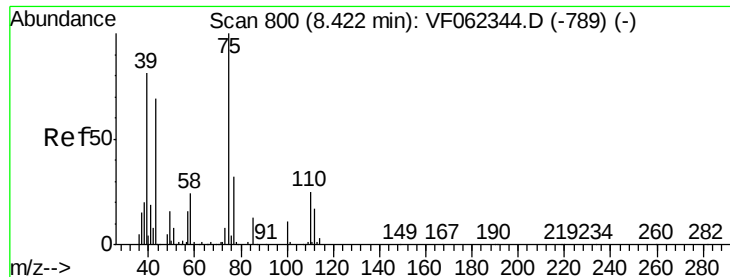
Tgt Ion: 92 Resp: 254548

Ion Ratio Lower Upper

92 100

91 170.4 138.7 208.1





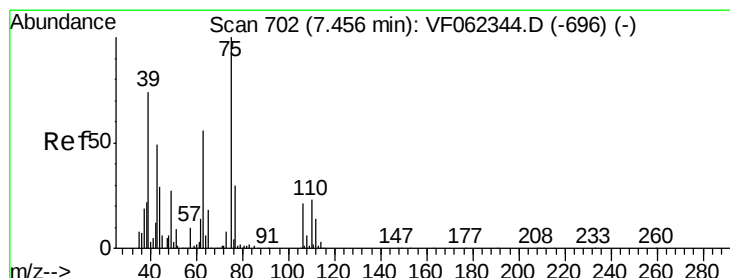
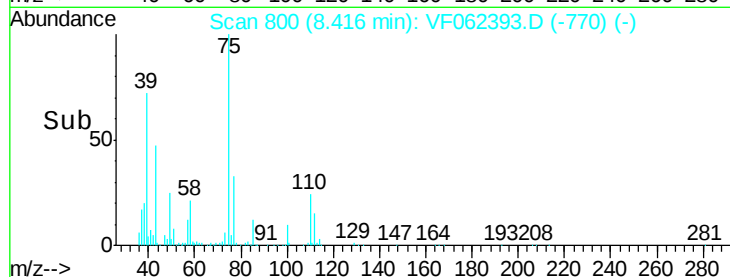
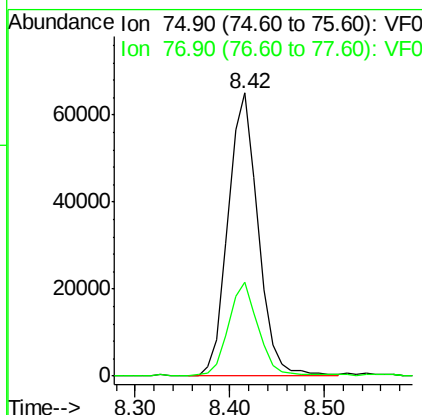
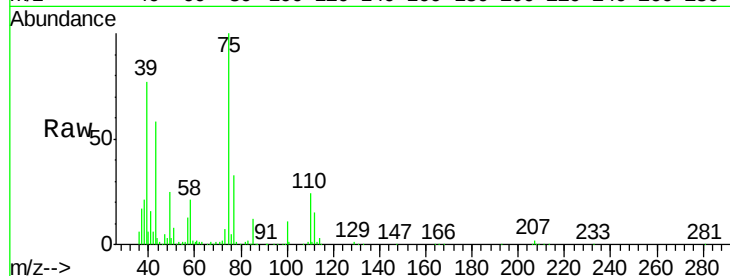
#53
t-1,3-Dichloropropene
Concen: 54.723 ug/l
RT: 8.42 min Scan# 800
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.4	38.0

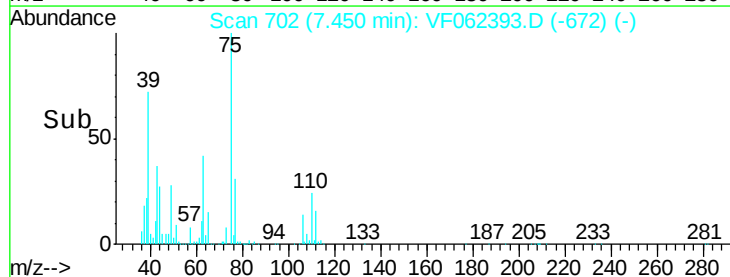
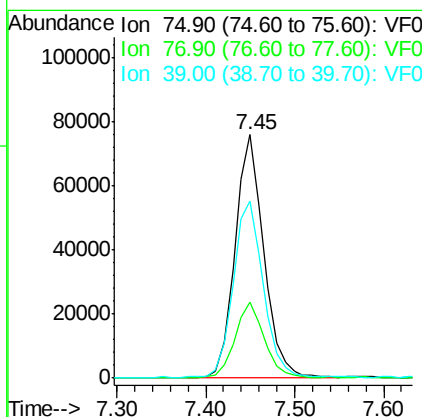
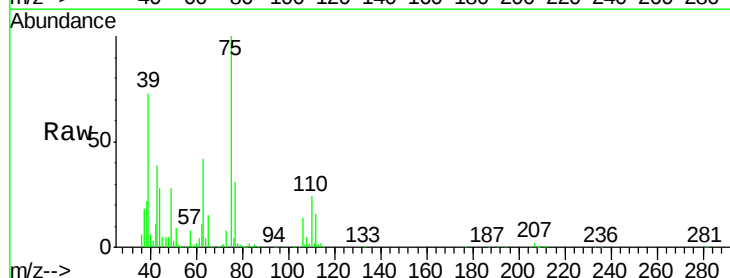
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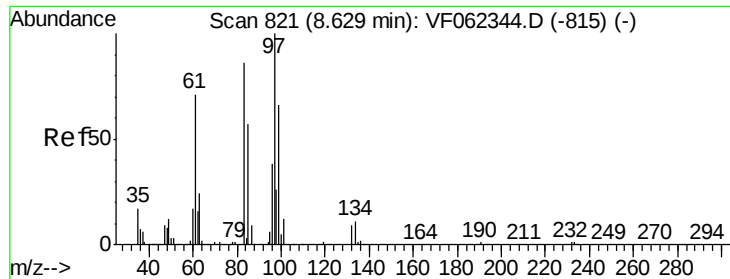
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#54
cis-1,3-Dichloropropene
Concen: 56.153 ug/l
RT: 7.45 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.0	36.0
39	72.4	58.7	88.1





#55

1,1,2-Trichloroethane

Concen: 56.145 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

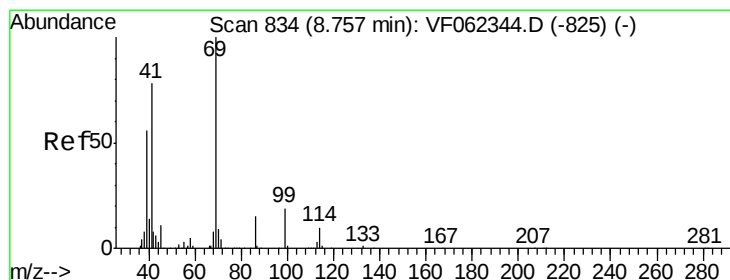
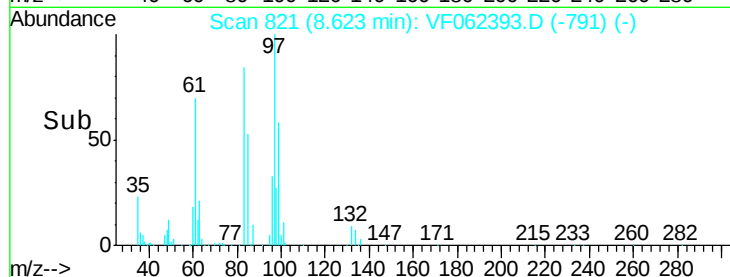
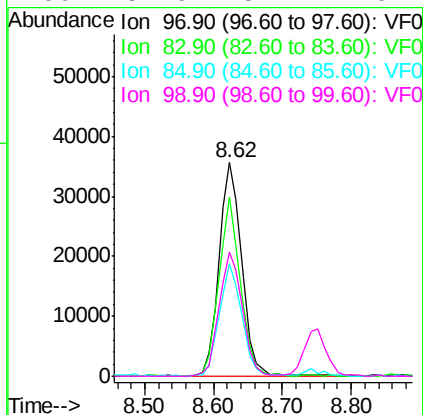
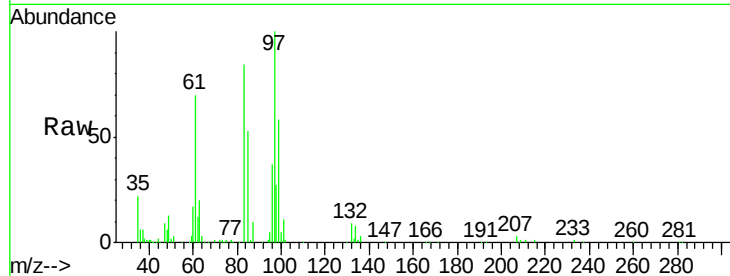
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	81285
Ion	Ratio	Lower	Upper
97	100		
83	84.0	68.5	102.7
85	52.9	45.4	68.2
99	57.9	52.7	79.1

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#56

Ethyl methacrylate

Concen: 47.651 ug/l

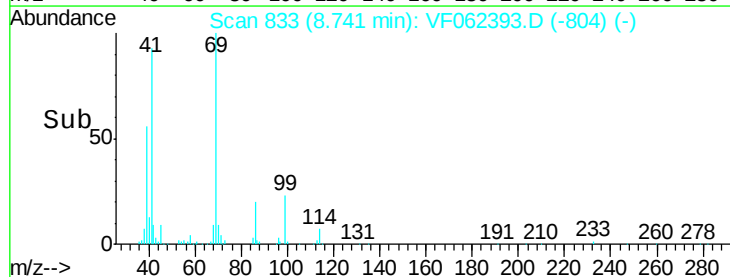
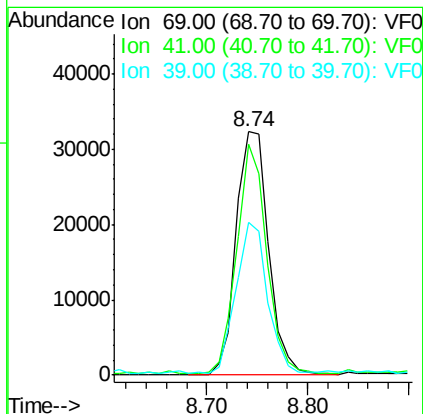
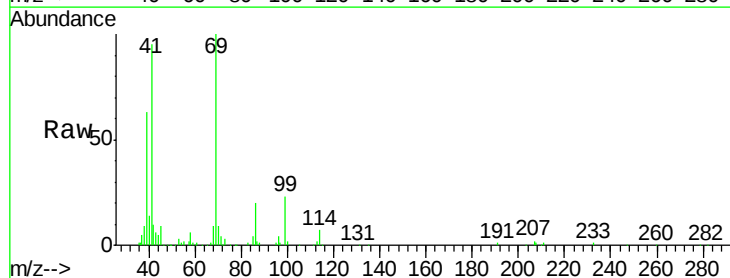
RT: 8.74 min Scan# 833

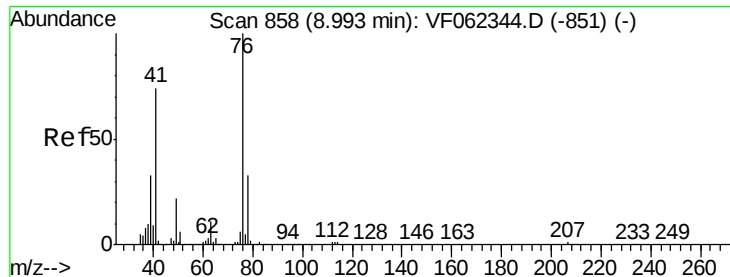
Delta R.T. -0.02 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Tgt Ion:	69	Resp:	72824
Ion	Ratio	Lower	Upper
69	100		
41	86.8	66.3	99.5
39	59.7	50.1	75.1





#57

1,3-Dichloropropane

Concen: 54.332 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 118818

Ion Ratio Lower Upper

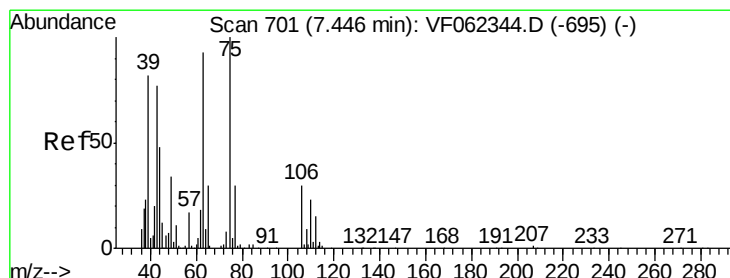
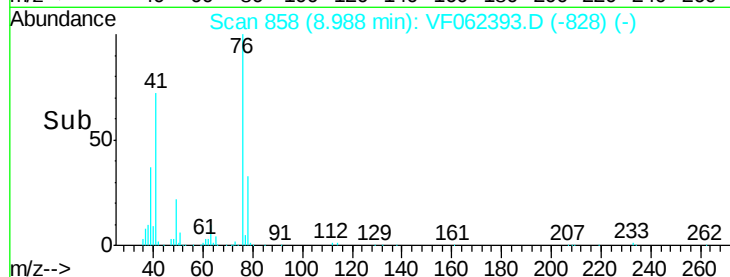
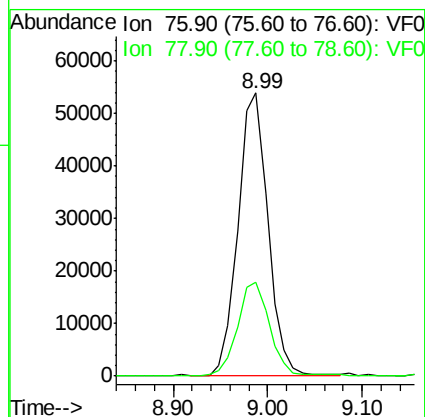
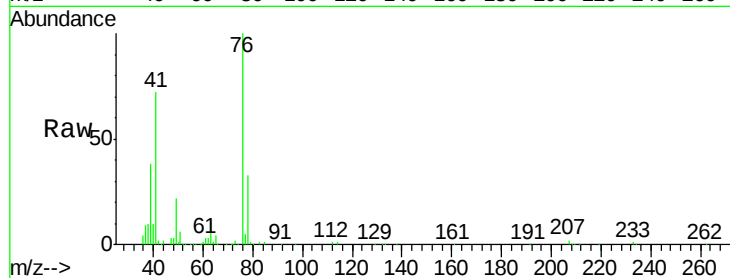
76 100

78 35.8 26.4 39.6

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#58

2-Chloroethyl Vinyl ether

Concen: 208.011 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF062393.D

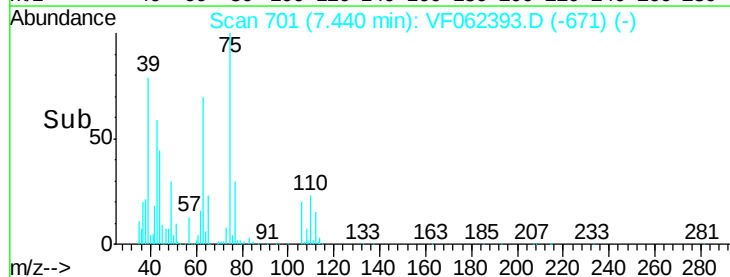
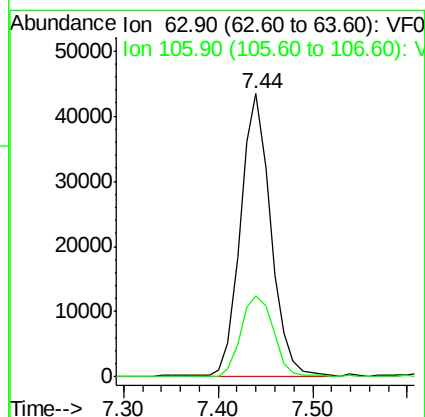
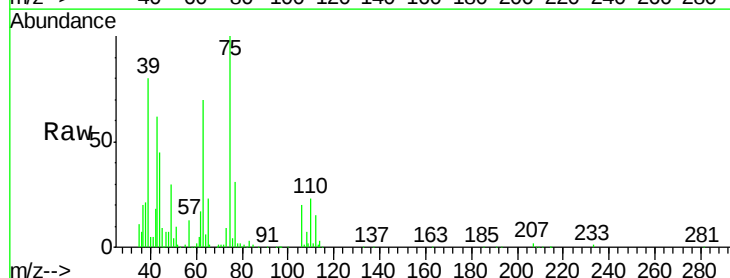
Acq: 9 May 2019 12:41

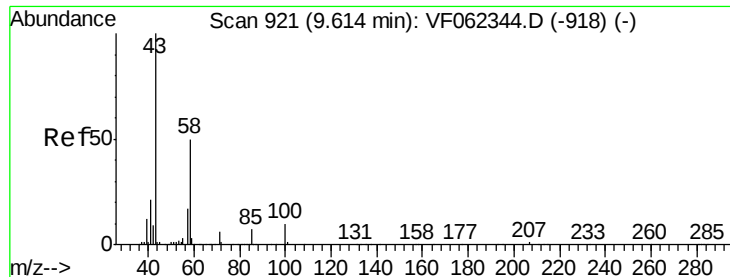
Tgt Ion: 63 Resp: 95574

Ion Ratio Lower Upper

63 100

106 31.4 25.8 38.8





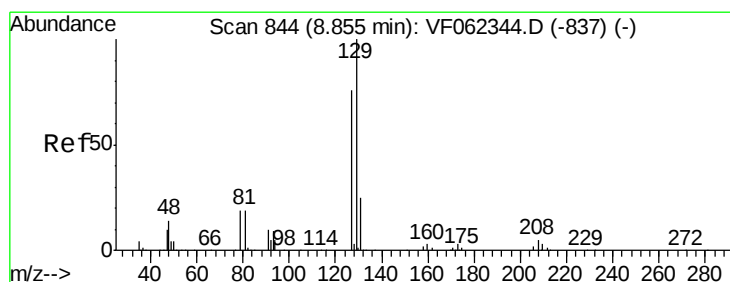
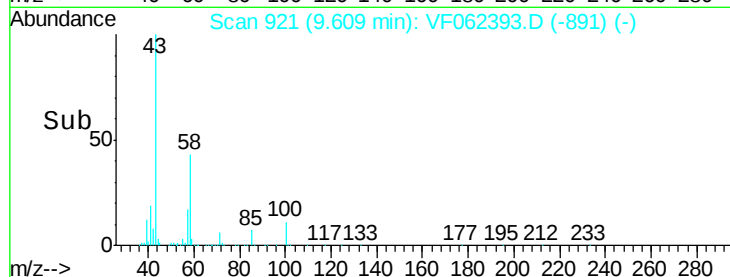
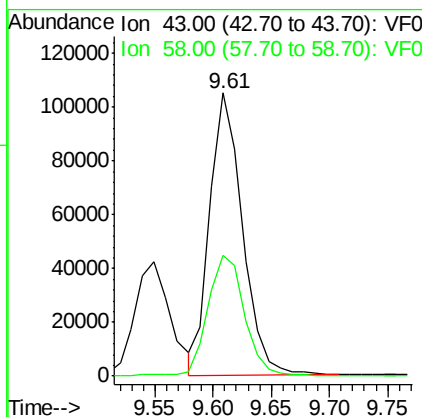
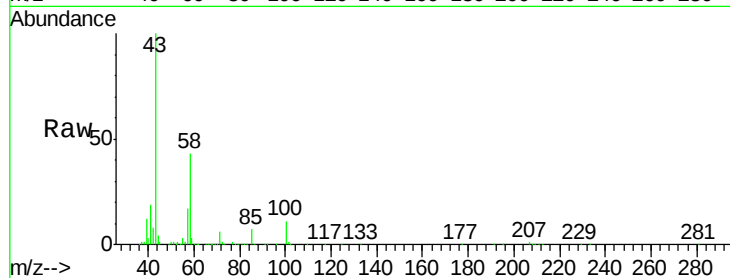
#59
2-Hexanone
Concen: 255.873 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 204760
Ion Ratio Lower Upper
43 100
58 48.8 24.3 73.0

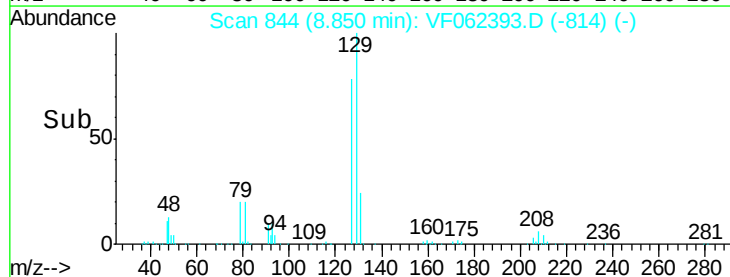
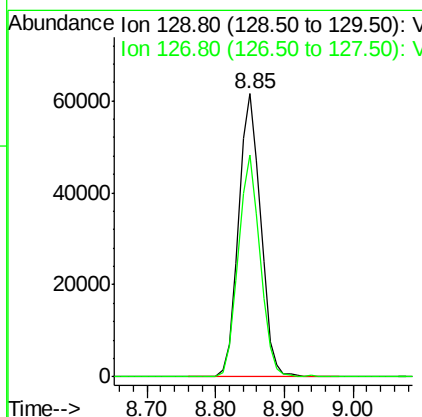
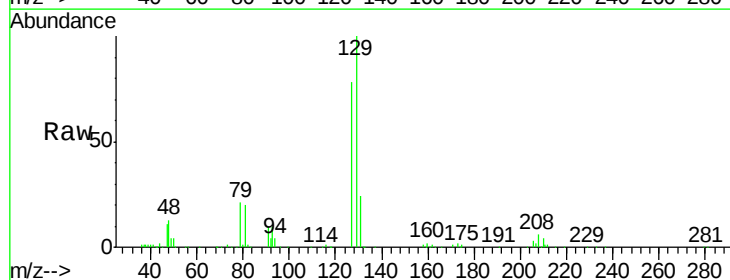
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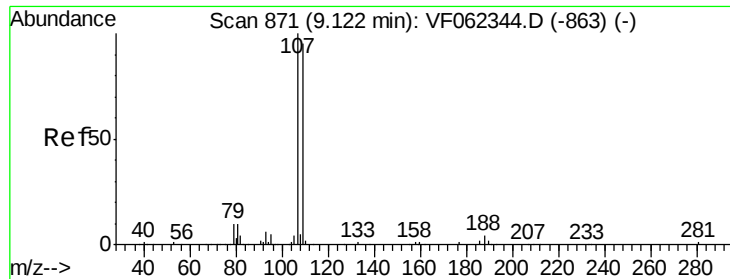
MMDadoda
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#60
Dibromochloromethane
Concen: 58.128 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Tgt Ion: 129 Resp: 137639
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.3





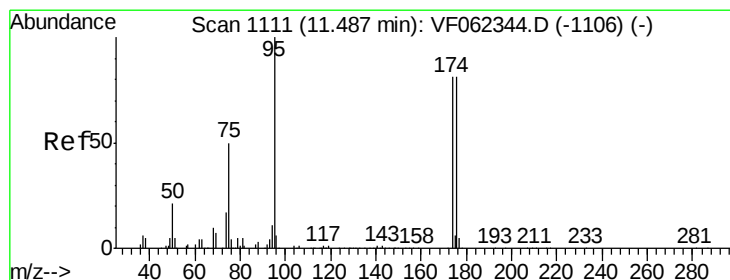
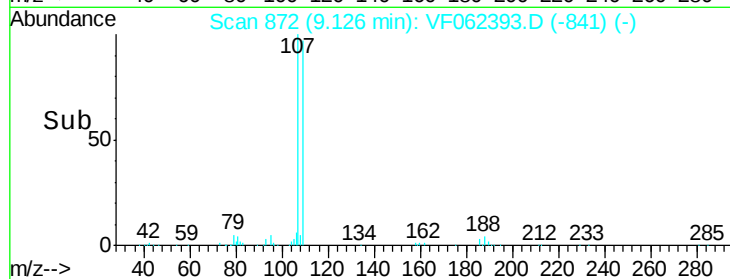
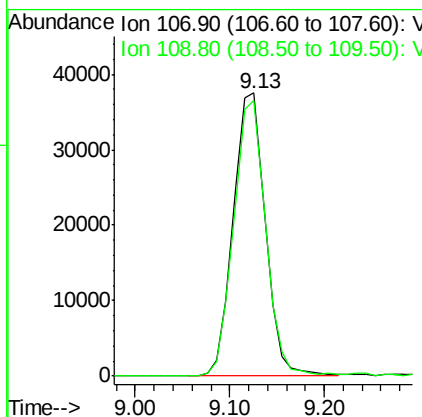
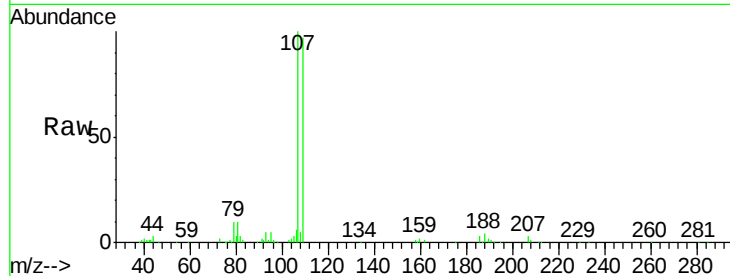
#61
 1,2-Dibromoethane
 Concen: 52.023 ug/l
 RT: 9.13 min Scan# 872
 Delta R.T. 0.00 min
 Lab File: VF062393.D
 Acq: 9 May 2019 12:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.4	75.2	112.8

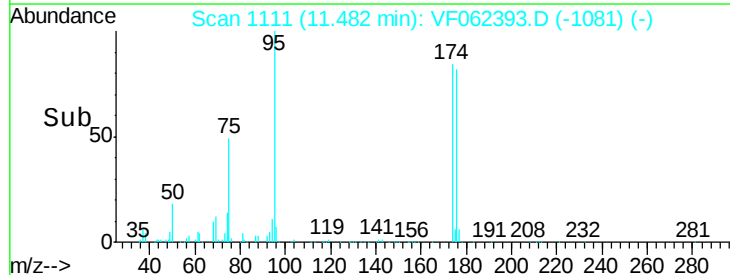
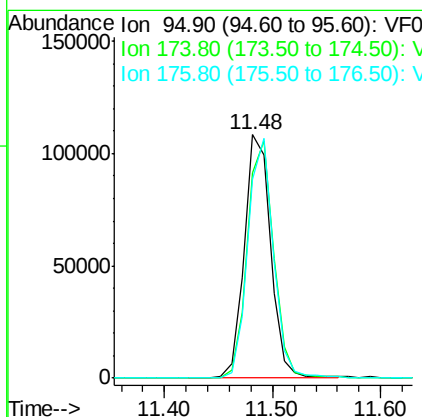
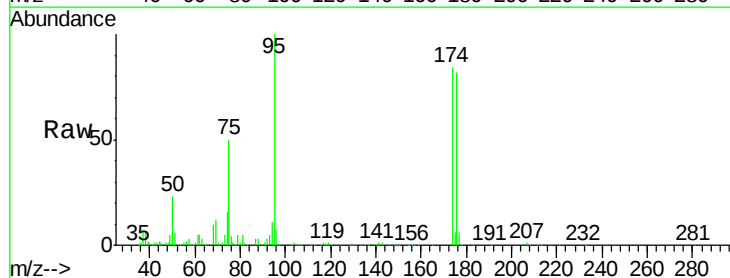
Manual Integrations
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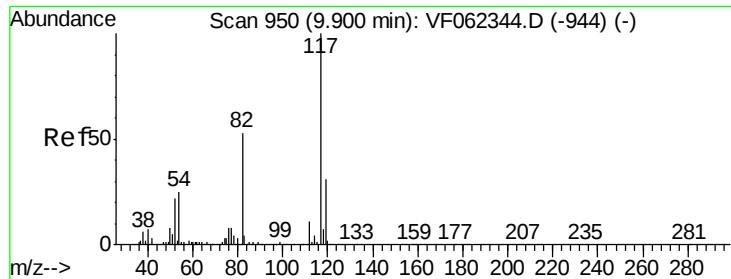
MMDadoda
 5/10/2019 11:03:31 AM



#62
 4-Bromofluorobenzene
 Concen: 53.878 ug/l
 RT: 11.48 min Scan# 1111
 Delta R.T. -0.01 min
 Lab File: VF062393.D
 Acq: 9 May 2019 12:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	98.3	0.0	191.8
176	95.7	0.0	193.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.89 min Scan# 950

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

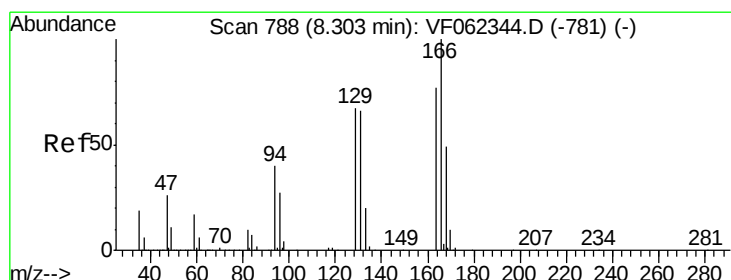
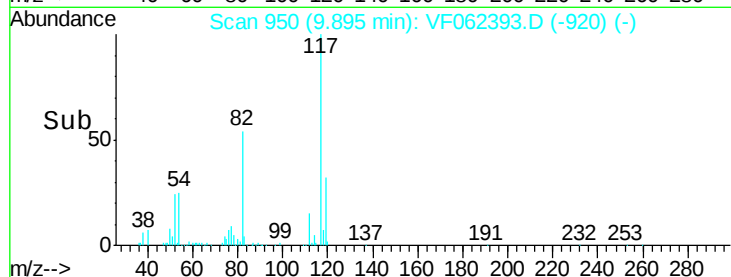
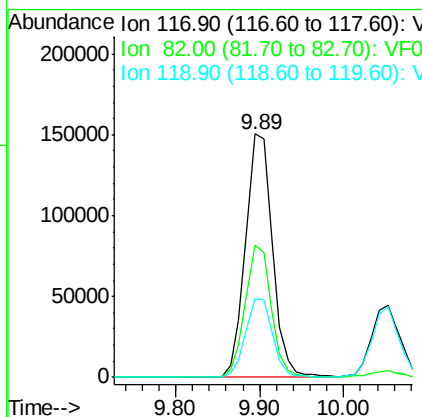
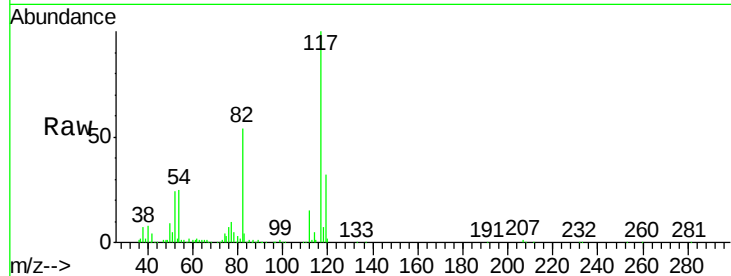
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	340124
Ion Ratio	Lower	Upper	
117	100		
82	54.4	42.2	63.2
119	32.1	25.0	37.4

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#64

Tetrachloroethene

Concen: 48.127 ug/l

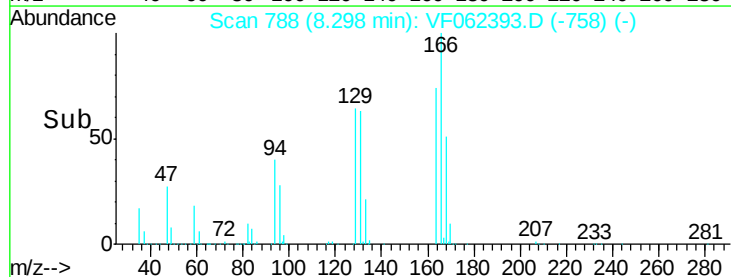
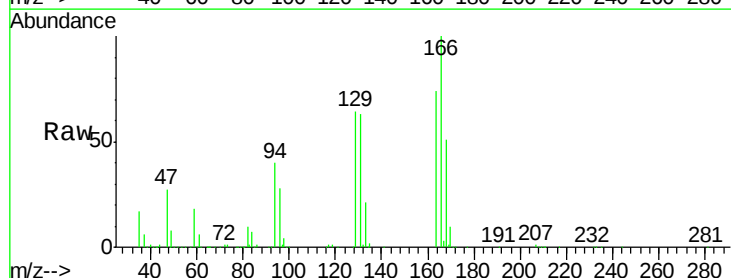
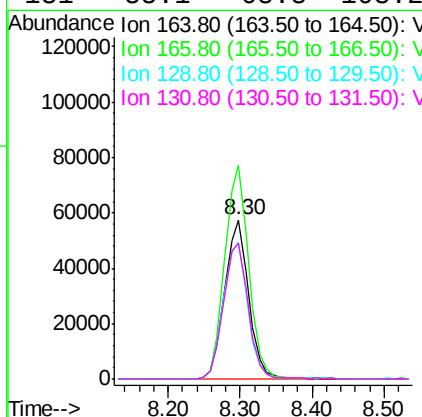
RT: 8.30 min Scan# 788

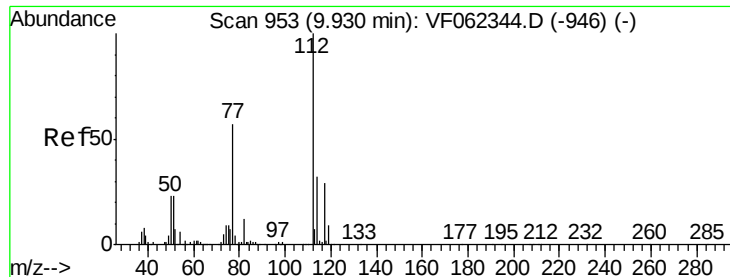
Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Tgt Ion:	164	Resp:	132889
Ion Ratio	Lower	Upper	
164	100		
166	134.5	104.2	156.4
129	85.9	69.6	104.4
131	85.1	68.8	103.2





#65

Chlorobenzene

Concen: 53.755 ug/l

RT: 9.92 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 302513

Ion Ratio Lower Upper

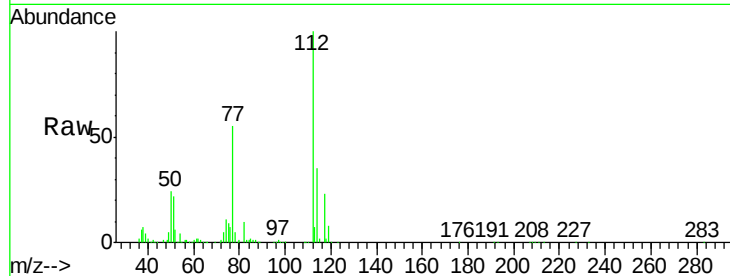
112 100

114 34.6 25.4 38.0

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

9.92

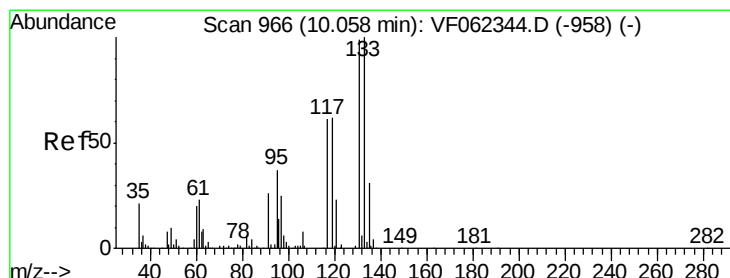
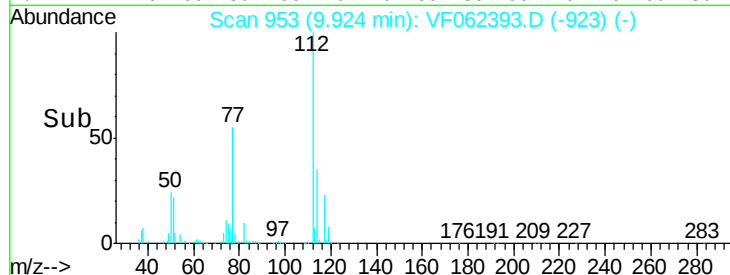
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 56.793 ug/l

RT: 10.05 min Scan# 966

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

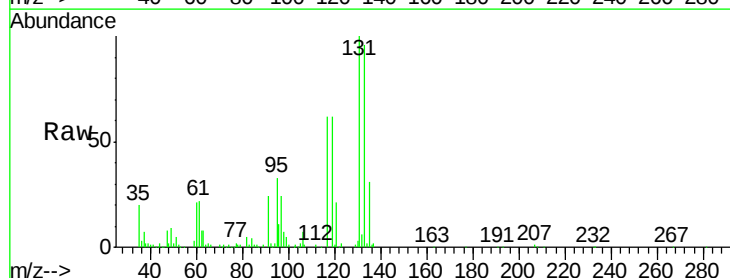
Tgt Ion:131 Resp: 161232

Ion Ratio Lower Upper

131 100

133 96.2 50.2 150.7

119 62.0 31.6 95.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.05

80000

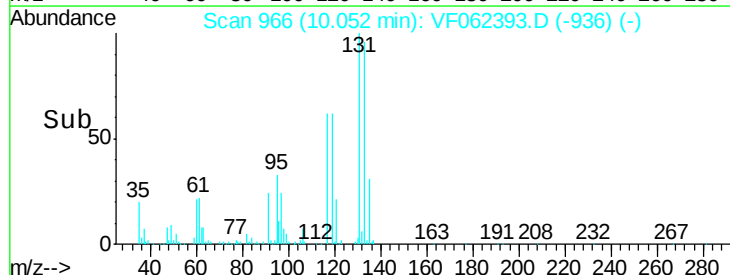
60000

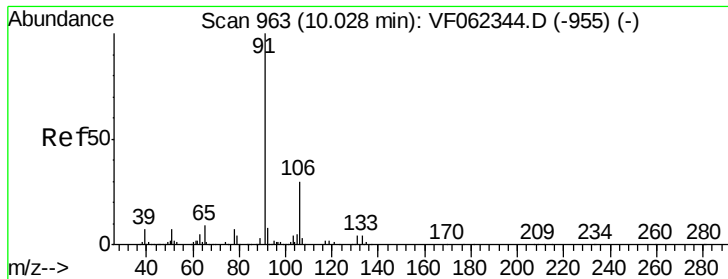
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 53.585 ug/l

RT: 10.02 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 528046

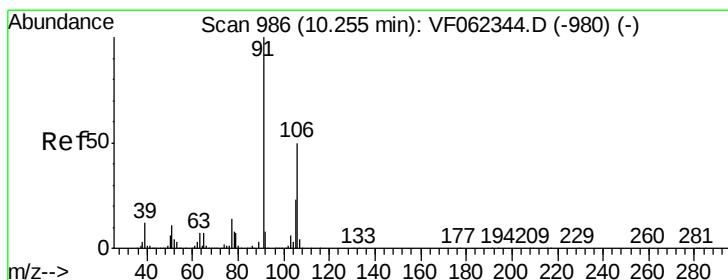
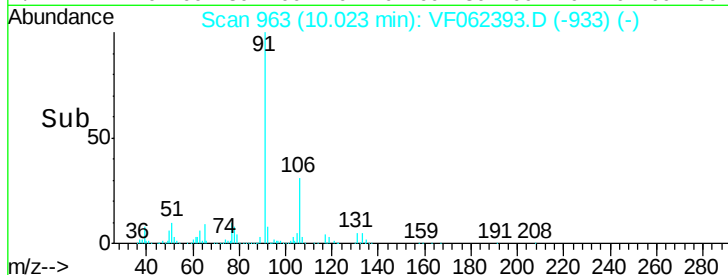
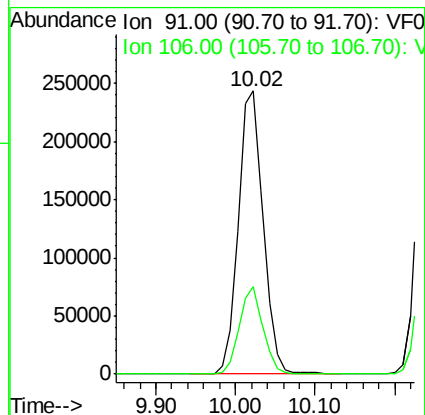
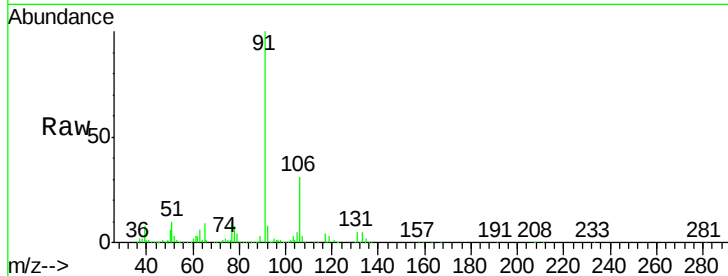
Ion Ratio Lower Upper

91 100

106 31.1 24.1 36.1

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#68

m/p-Xylenes

Concen: 104.609 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.01 min

Lab File: VF062393.D

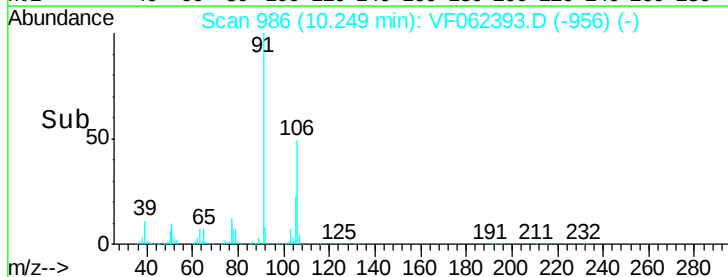
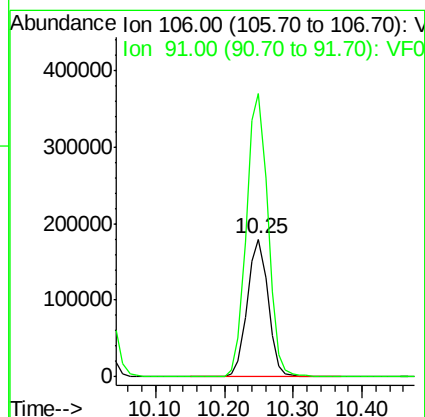
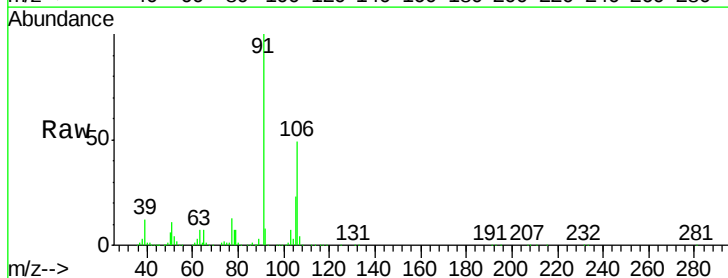
Acq: 9 May 2019 12:41

Tgt Ion: 106 Resp: 380346

Ion Ratio Lower Upper

106 100

91 210.4 167.4 251.2





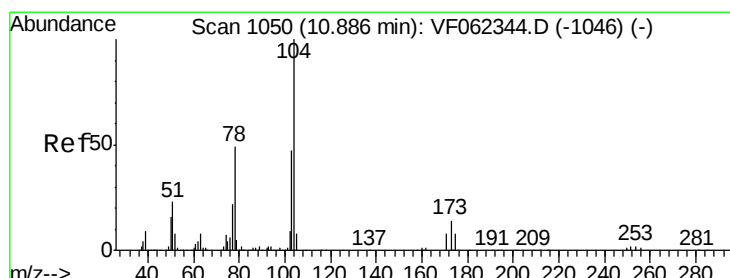
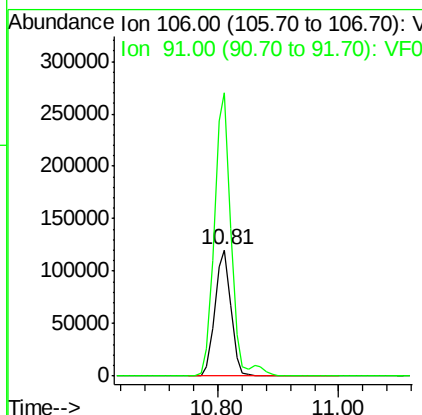
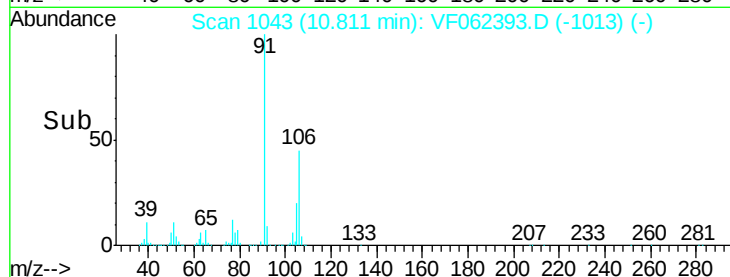
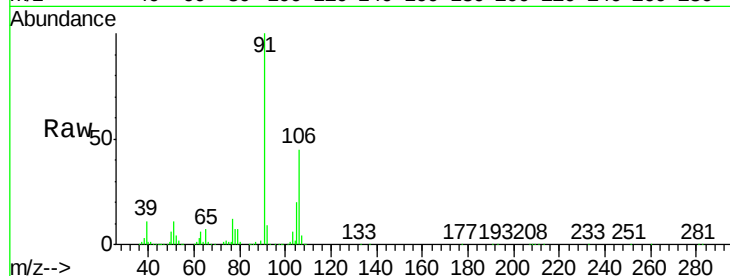
#69
o-Xylene
Concen: 56.842 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 223324
Ion Ratio Lower Upper
106 100
91 224.3 111.3 333.8

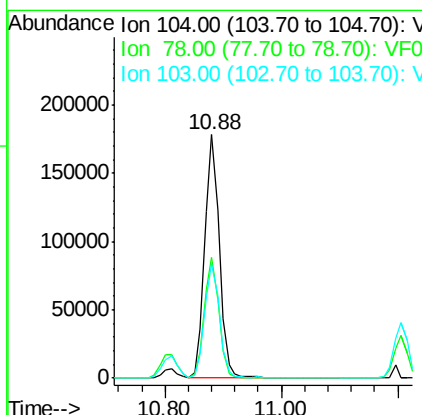
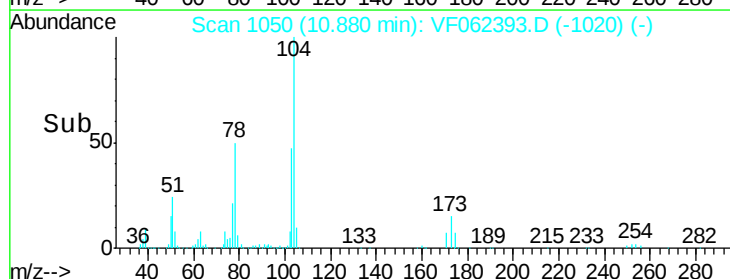
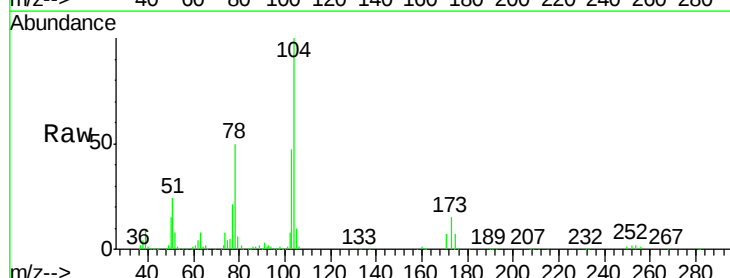
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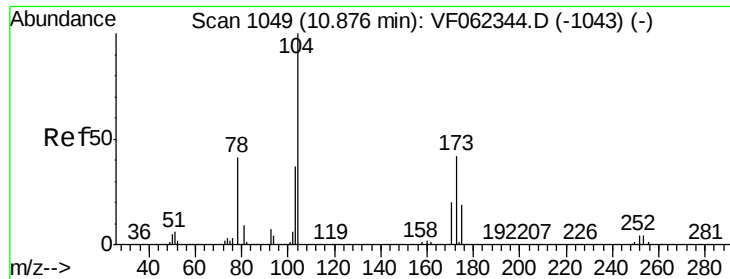
MMDadoda
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#70
Styrene
Concen: 53.207 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Tgt Ion:104 Resp: 313292
Ion Ratio Lower Upper
104 100
78 49.0 39.5 59.3
103 48.1 38.4 57.6





#71

Bromoform

Concen: 53.995 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 83979

Ion Ratio Lower Upper

173 100

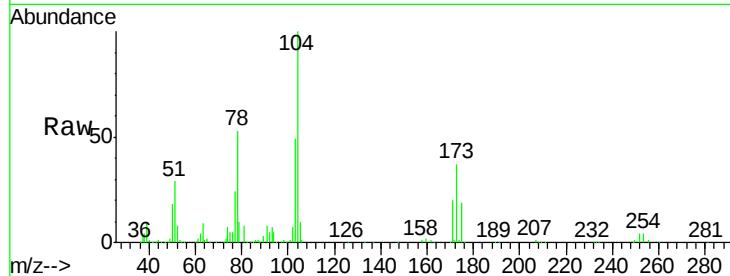
175 50.2 23.8 71.2

254 0.1 0.1 0.1

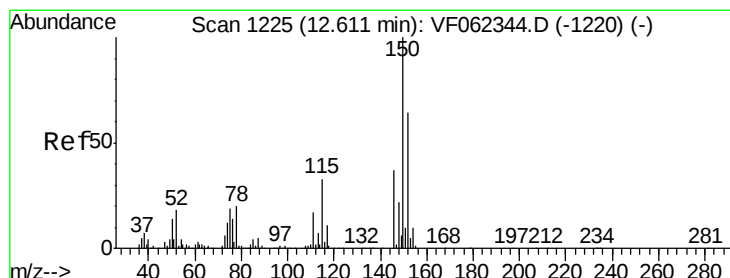
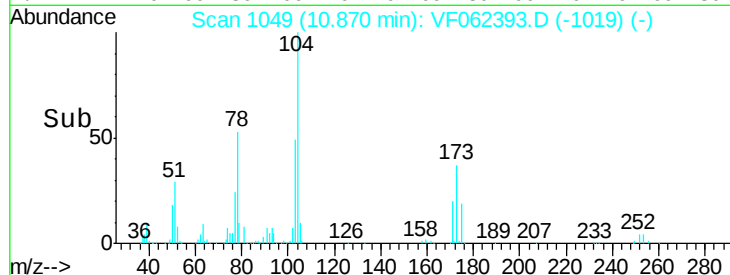
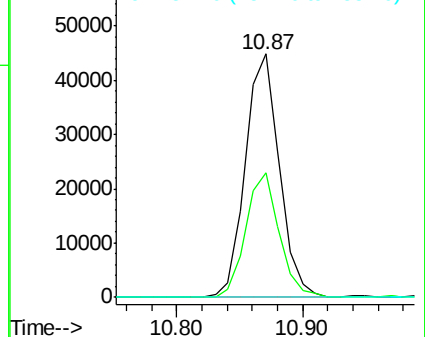
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

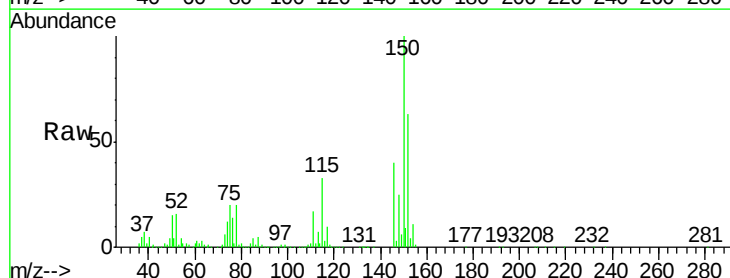
Tgt Ion:152 Resp: 202807

Ion Ratio Lower Upper

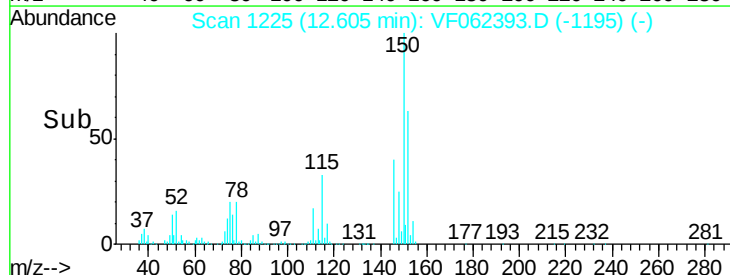
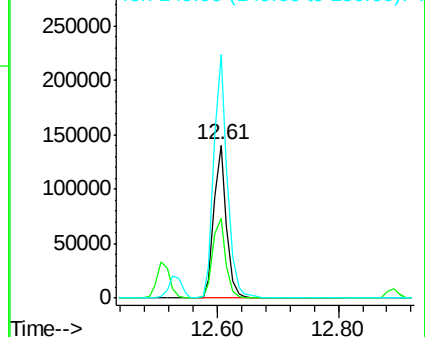
152 100

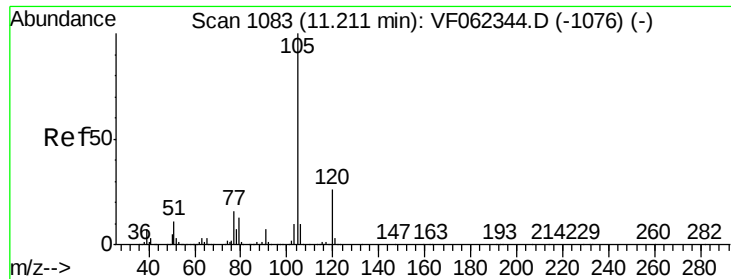
115 54.8 26.4 79.2

150 169.0 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





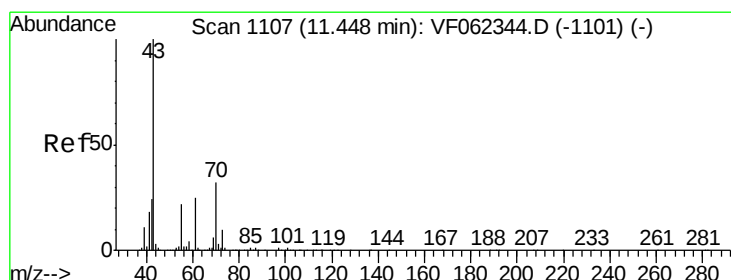
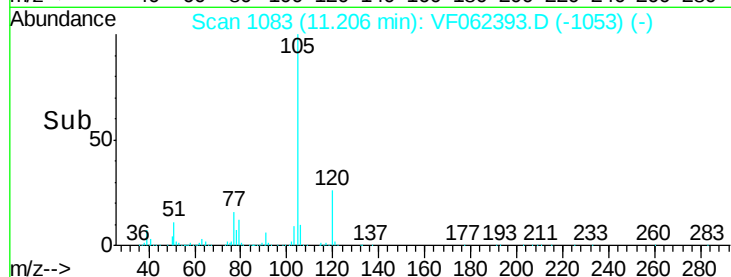
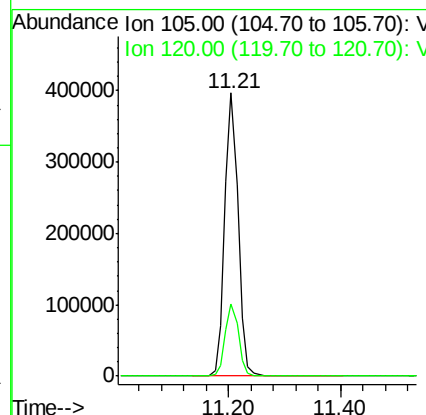
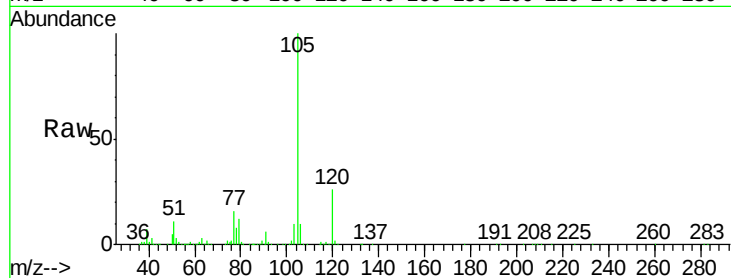
#73
Isopropylbenzene
Concen: 55.305 ug/l
RT: 11.21 min Scan# 1083
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 664938
Ion Ratio Lower Upper
105 100
120 25.5 12.7 38.0

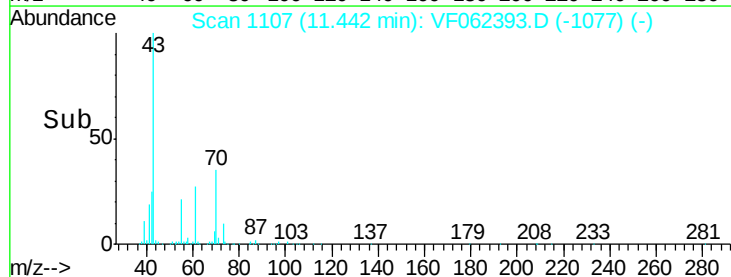
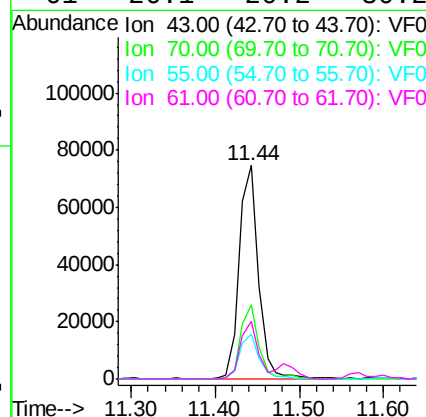
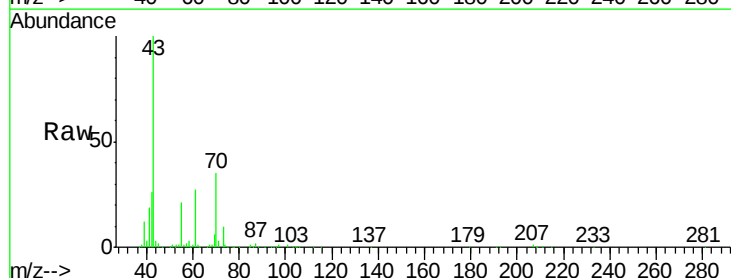
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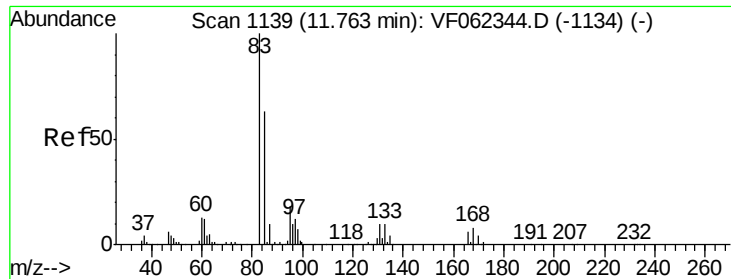
MMDadoda
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#74
N-ethyl acetate
Concen: 46.408 ug/l
RT: 11.44 min Scan# 1107
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Tgt Ion: 43 Resp: 119790
Ion Ratio Lower Upper
43 100
70 33.3 26.5 39.7
55 21.5 17.8 26.6
61 26.1 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 54.936 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

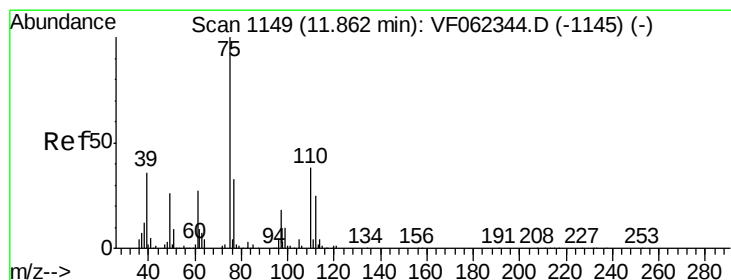
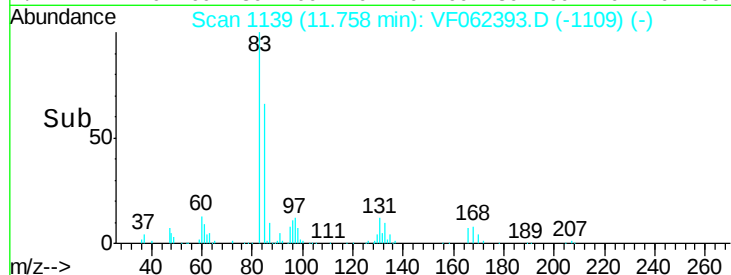
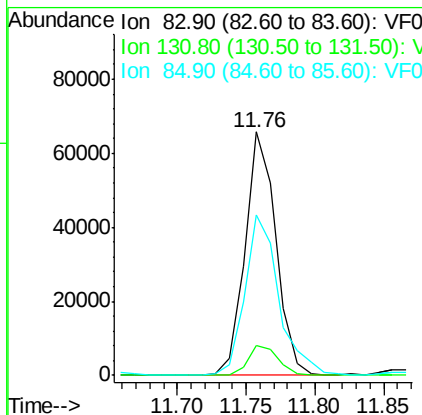
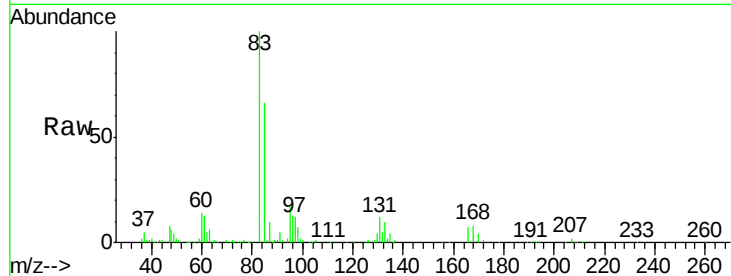
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	103419
Ion Ratio	Lower	Upper	
83	100		
131	12.1	5.8	17.4
85	72.7	35.3	105.7

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#76

1,2,3-Trichloropropane

Concen: 53.115 ug/l

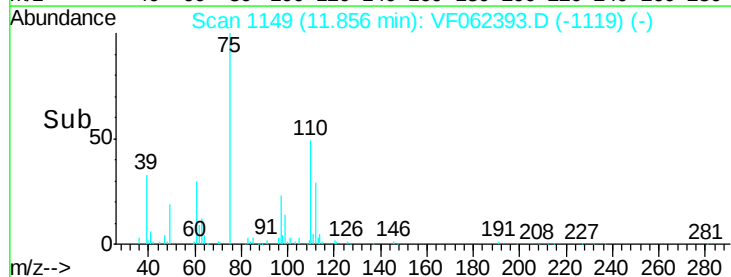
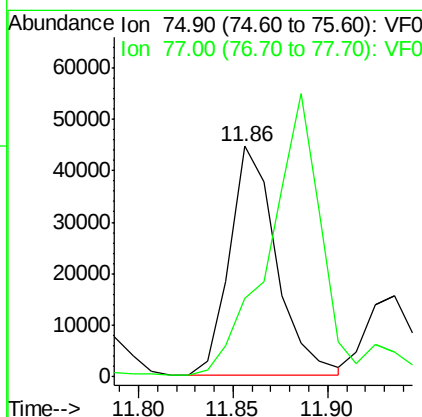
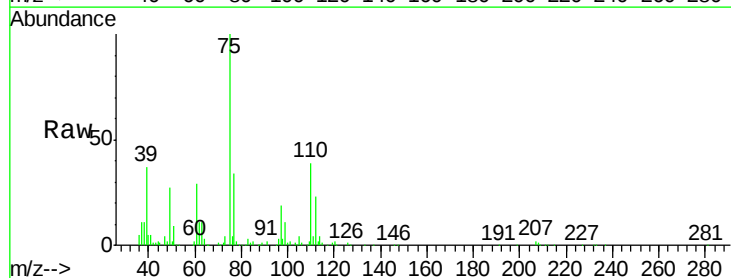
RT: 11.86 min Scan# 1149

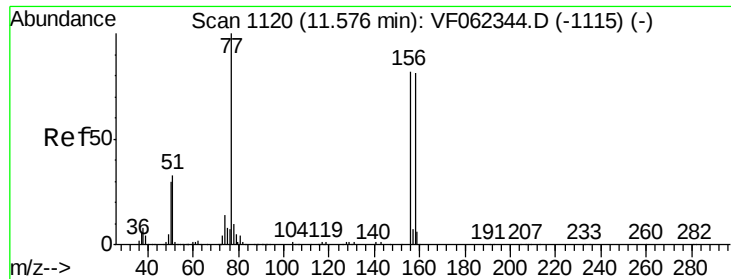
Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Tgt Ion:	75	Resp:	76286
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





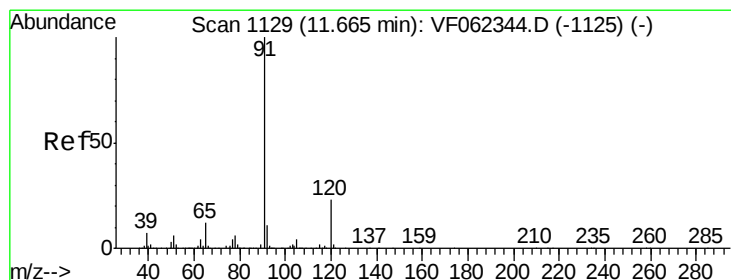
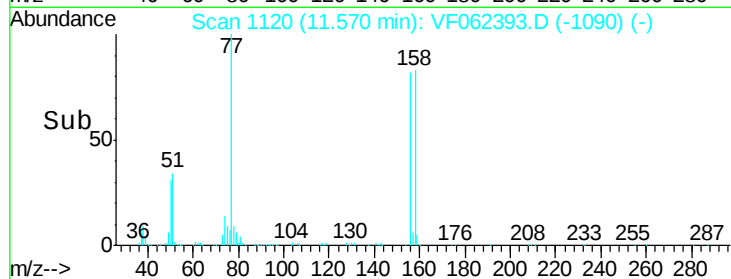
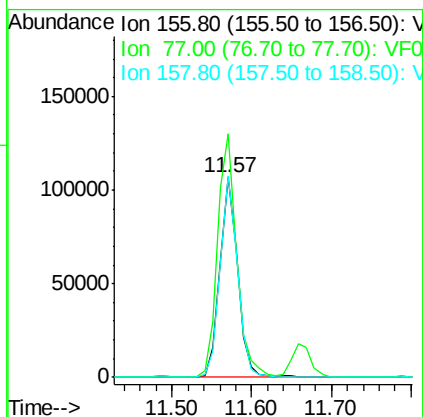
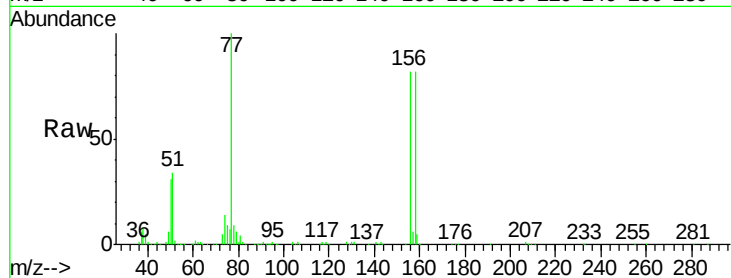
#77
Bromobenzene
Concen: 54.135 ug/l
RT: 11.57 min Scan# 1120
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	129.4	64.8	194.3
158	98.4	49.1	147.3

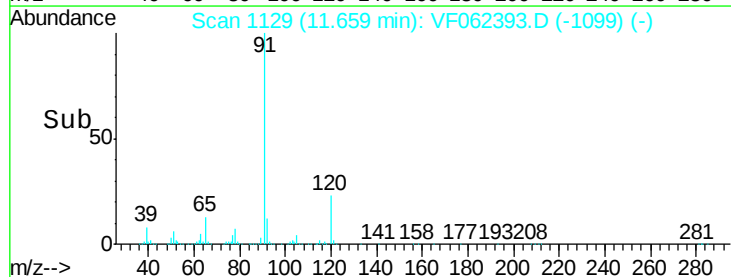
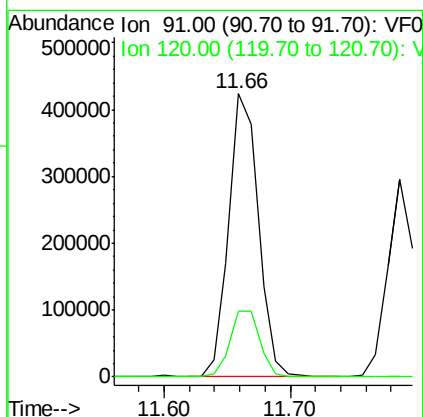
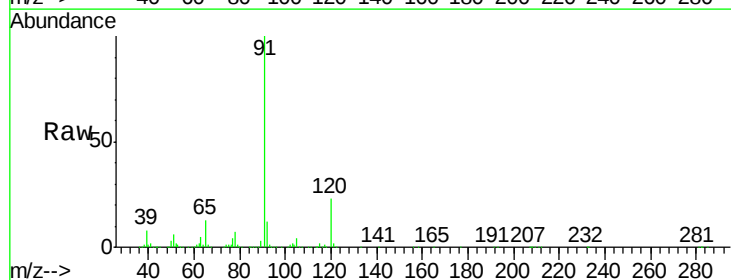
Manual Integrations
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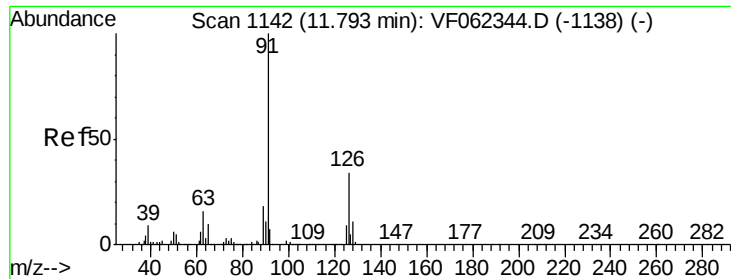
MMDadoda
5/10/2019 11:03:31 AM



#78
n-propylbenzene
Concen: 53.611 ug/l
RT: 11.66 min Scan# 1129
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.9	35.5





#79

2-Chlorotoluene

Concen: 55.578 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 442380

Ion Ratio Lower Upper

91 100

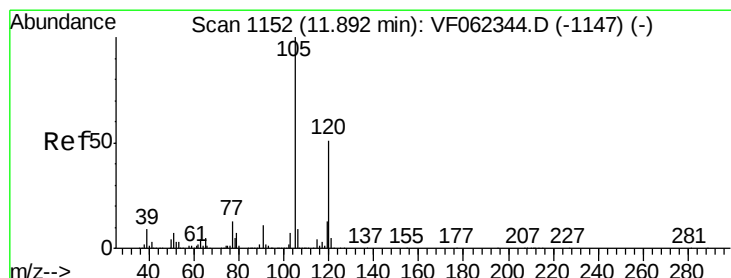
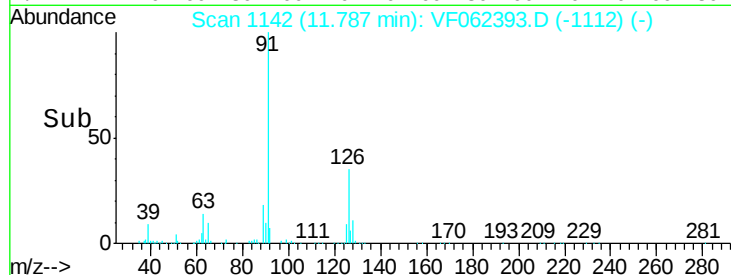
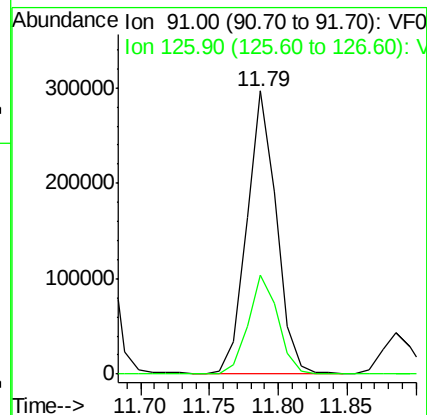
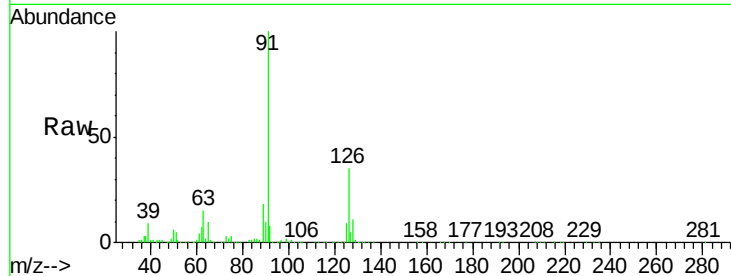
126 35.5 17.8 53.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 54.561 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF062393.D

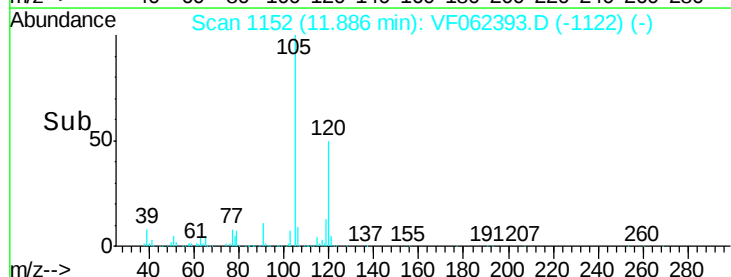
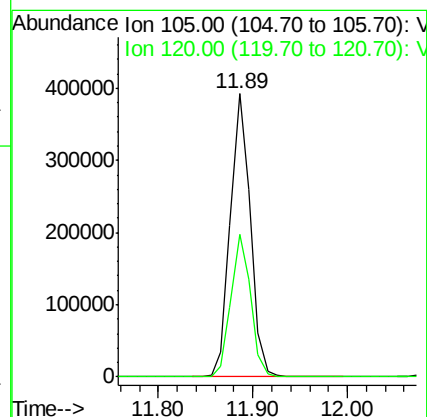
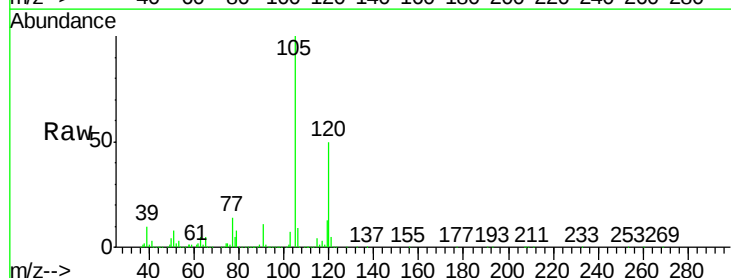
Acq: 9 May 2019 12:41

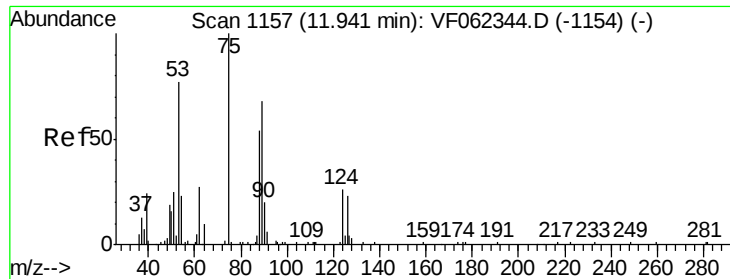
Tgt Ion:105 Resp: 574975

Ion Ratio Lower Upper

105 100

120 49.9 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 47.293 ug/l m

RT: 11.93 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

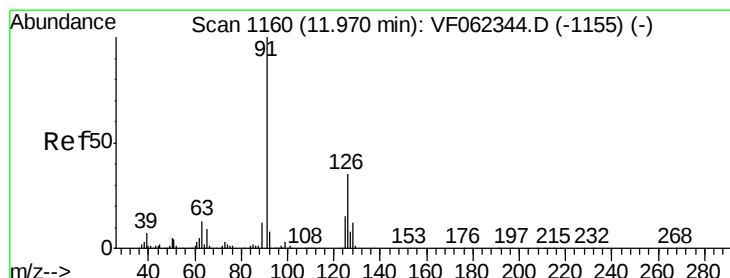
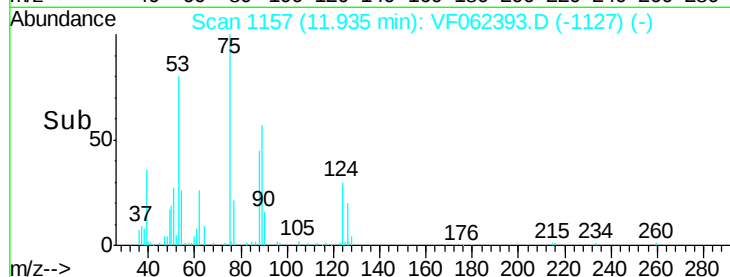
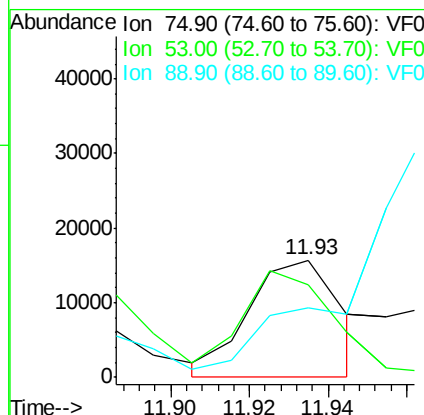
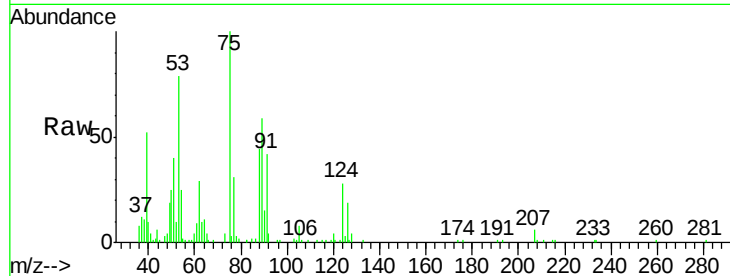
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	25532
Ion	Ratio	Lower	Upper
75	100		
53	96.8	71.9	107.9
89	0.0	0.0	0.0

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#82

4-Chlorotoluene

Concen: 53.261 ug/l

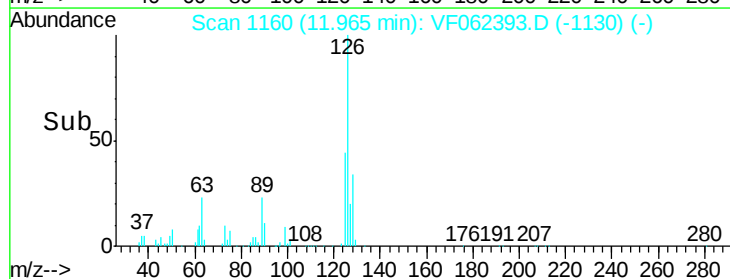
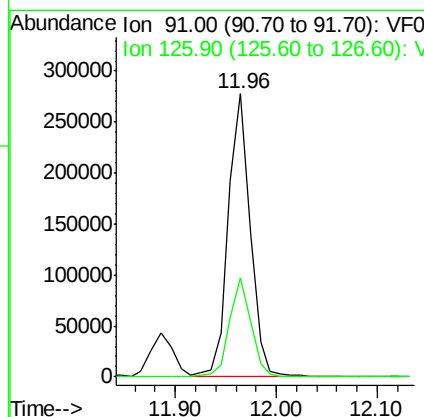
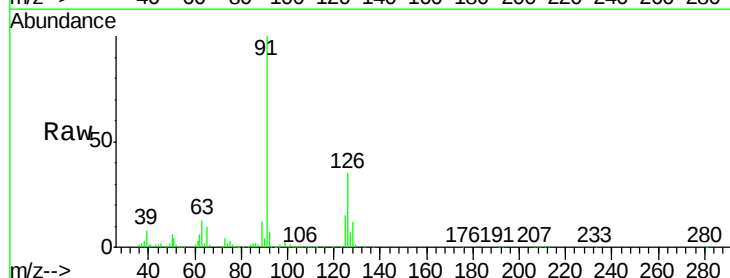
RT: 11.96 min Scan# 1160

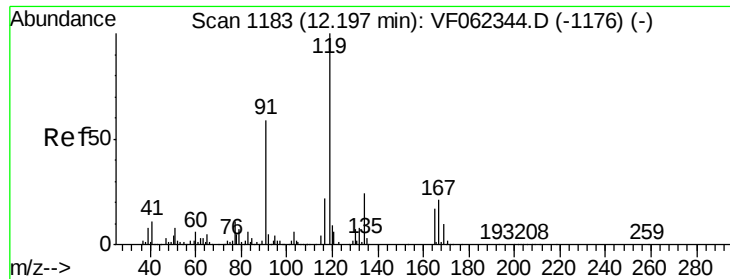
Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Tgt Ion:	91	Resp:	418706
Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.7	53.1





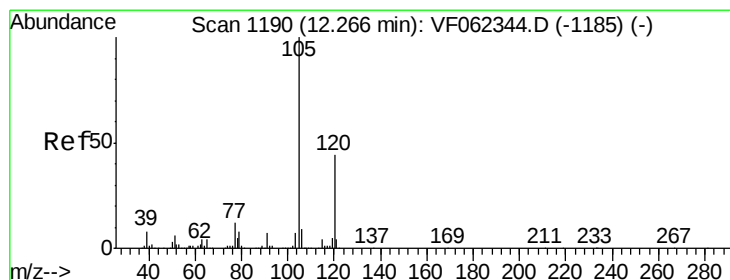
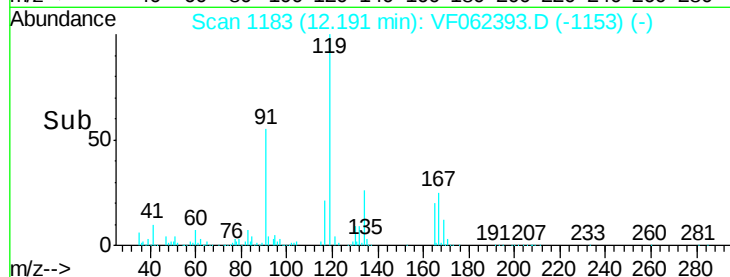
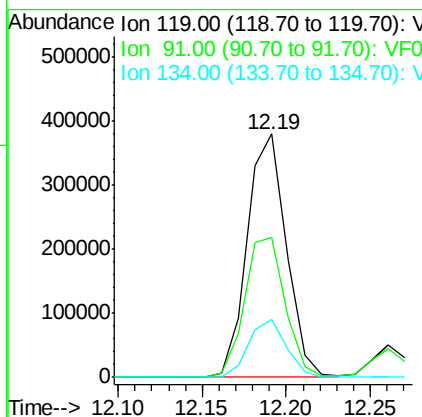
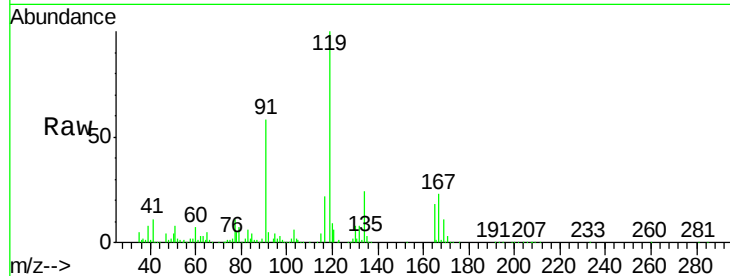
#83
tert-Butylbenzene
Concen: 55.205 ug/l
RT: 12.19 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	611400		
91	59.8	30.4	91.3	
134	23.2	11.9	35.7	

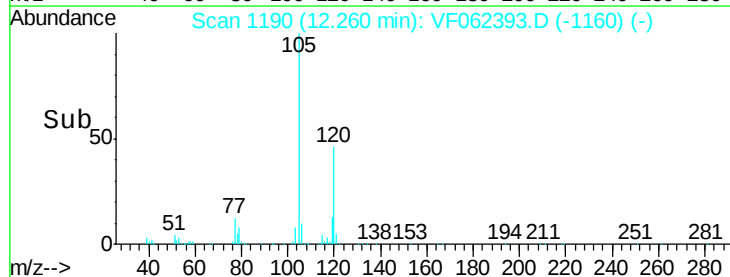
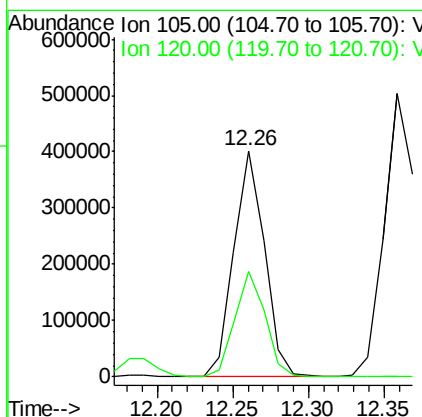
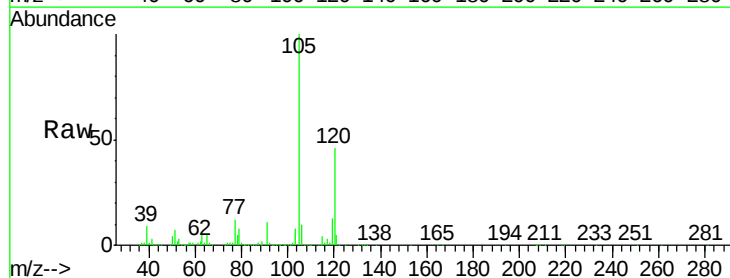
Manual Integrations
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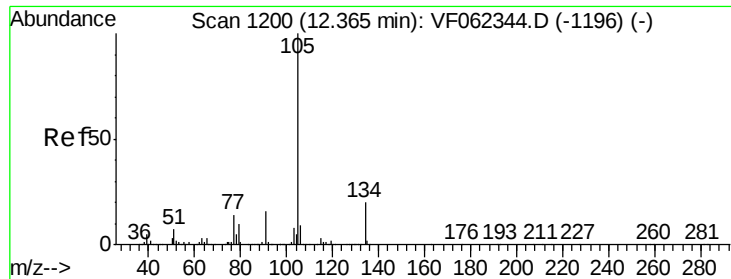
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#84
1,2,4-Trimethylbenzene
Concen: 55.035 ug/l
RT: 12.26 min Scan# 1190
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	567567		
120	45.9	22.6	67.7	





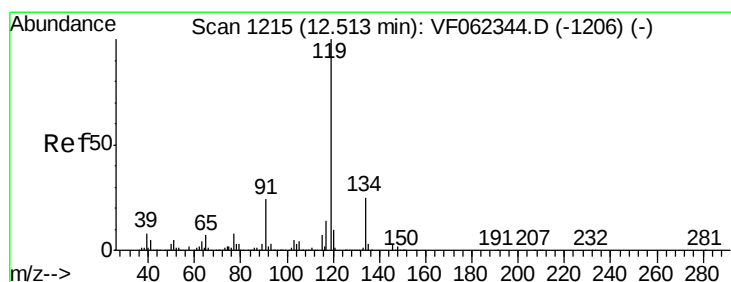
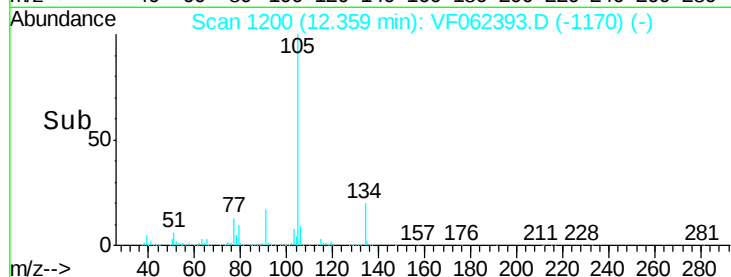
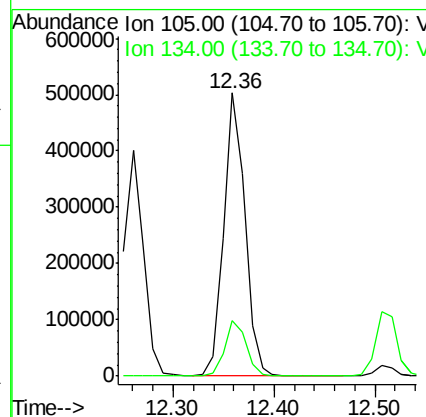
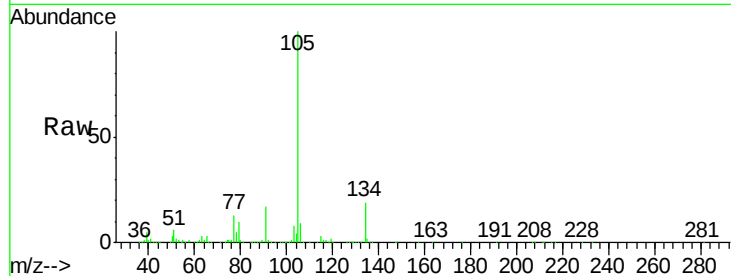
#85
 sec-Butylbenzene
 Concen: 55.044 ug/l
 RT: 12.36 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF062393.D
 Acq: 9 May 2019 12:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	742017		
134	19.9	9.8	29.5	

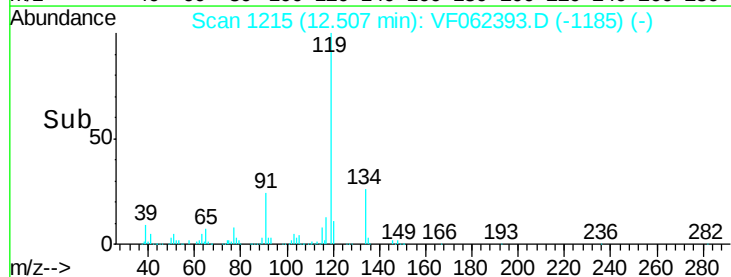
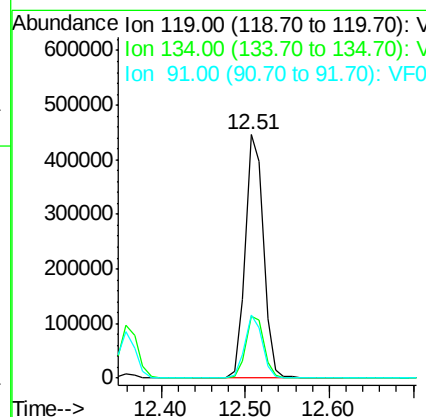
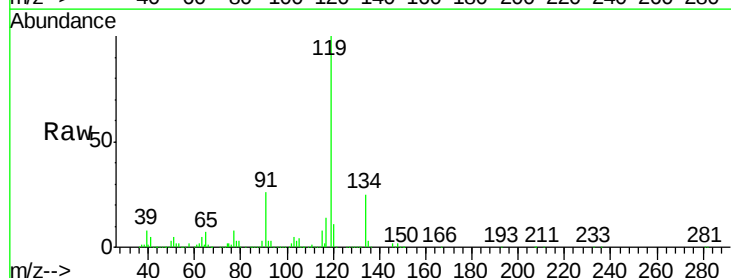
Manual Integrations
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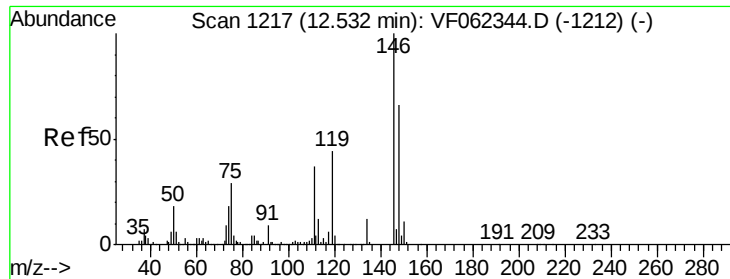
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#86
 p-Isopropyltoluene
 Concen: 53.490 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: VF062393.D
 Acq: 9 May 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	669944		
134	25.5	12.9	38.7	
91	24.5	12.3	36.8	





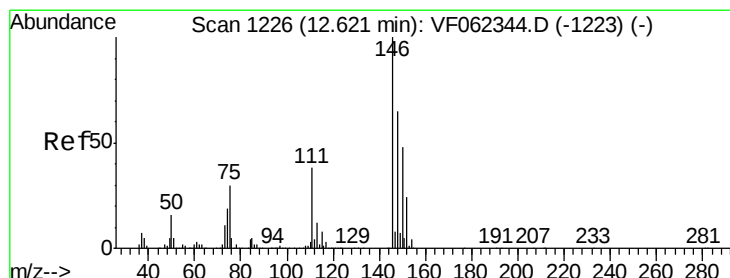
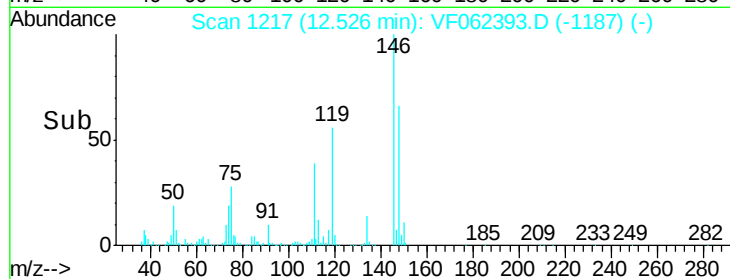
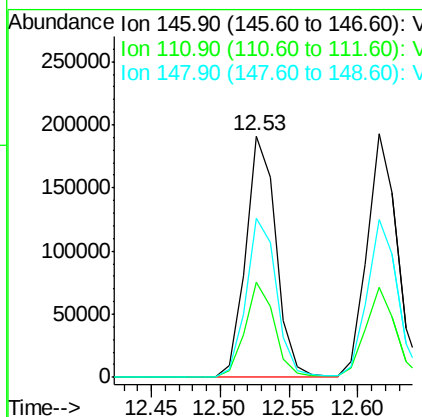
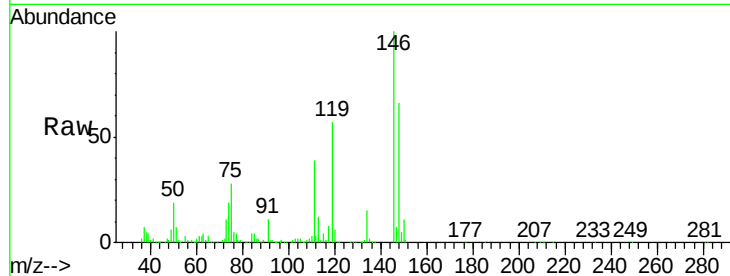
#87
 1,3-Dichlorobenzene
 Concen: 51.147 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VF062393.D
 Acq: 9 May 2019 12:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.3	54.8
148	66.3	32.3	96.9

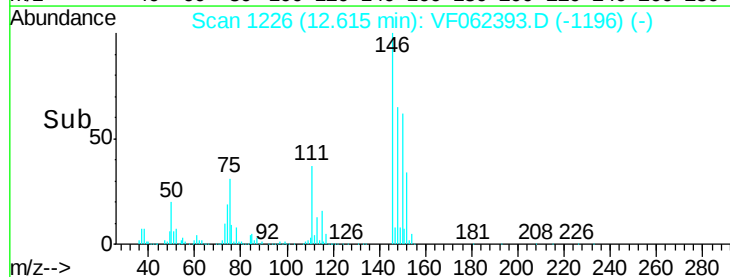
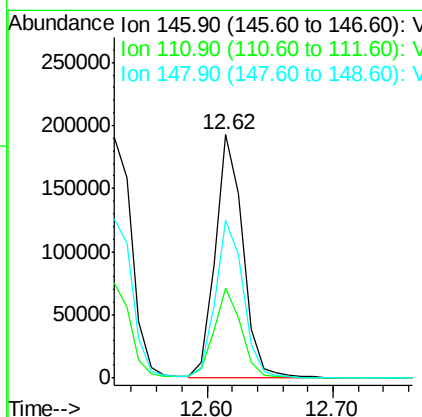
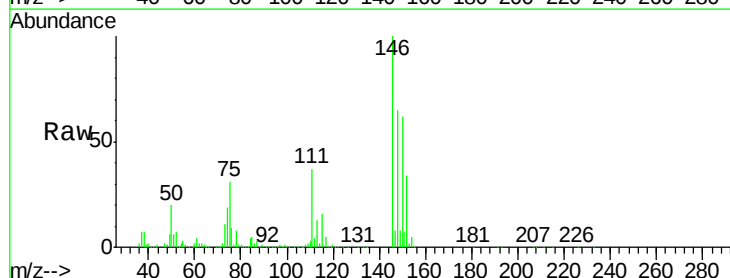
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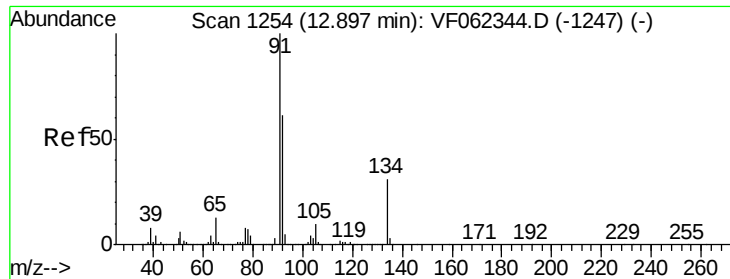
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#88
 1,4-Dichlorobenzene
 Concen: 52.267 ug/l
 RT: 12.62 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: VF062393.D
 Acq: 9 May 2019 12:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.8	56.3
148	66.4	32.2	96.6





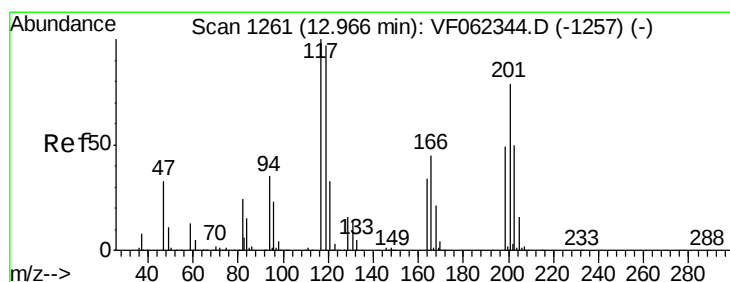
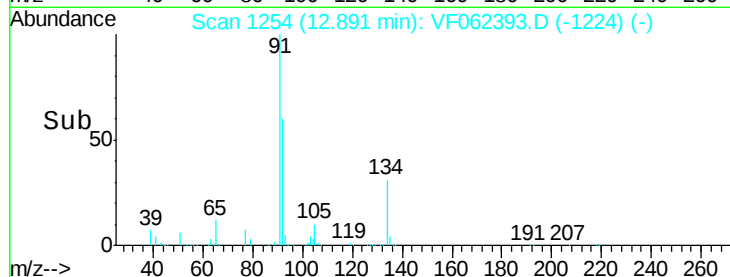
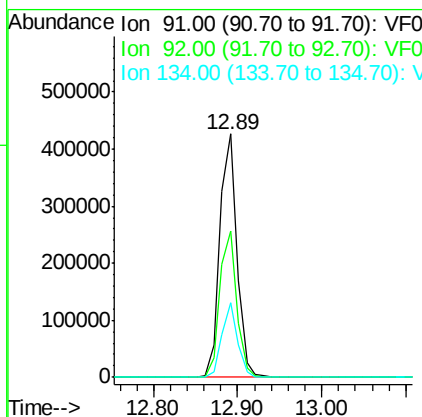
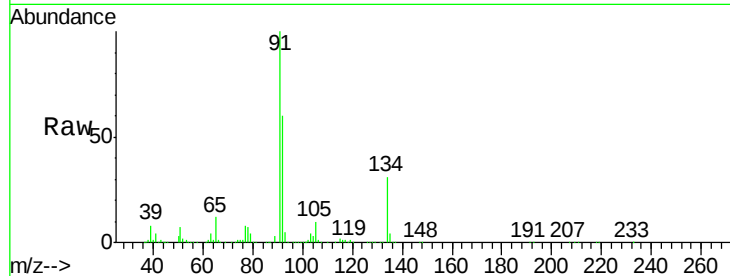
#89
n-Butylbenzene
Concen: 53.941 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		601053		
92	59.6	30.0	90.0		
134	28.2	14.1	42.4		

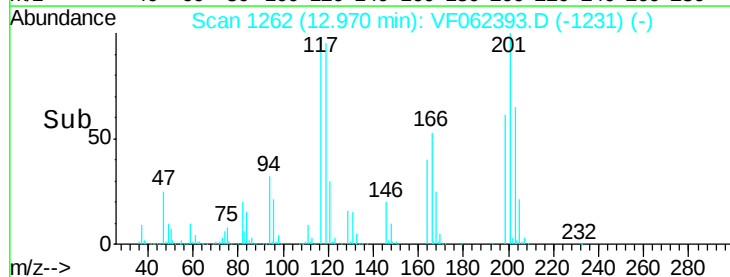
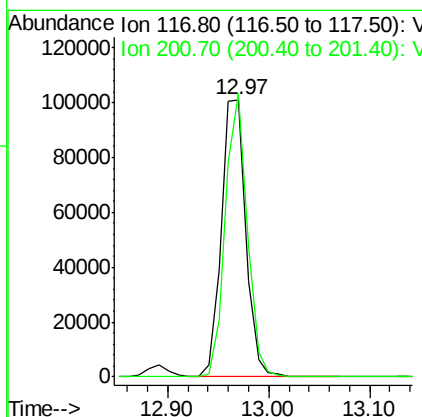
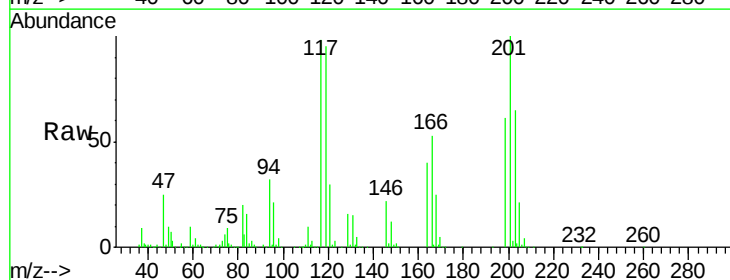
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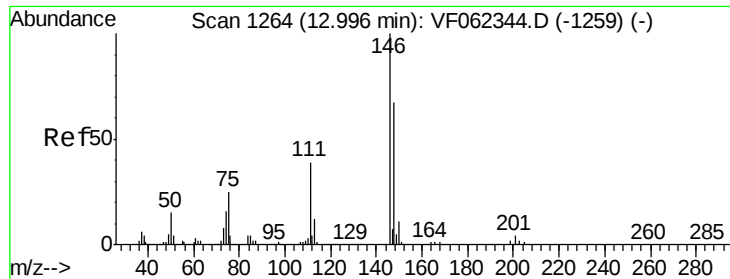
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#90
Hexachloroethane
Concen: 54.893 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VF062393.D
Acq: 9 May 2019 12:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		171664		
201	90.7	46.2	138.5		





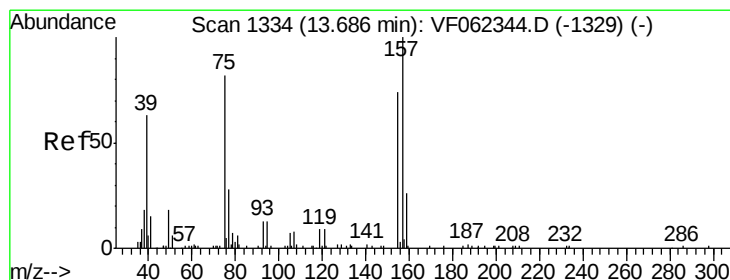
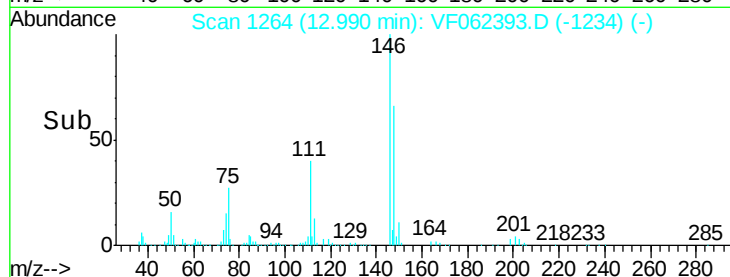
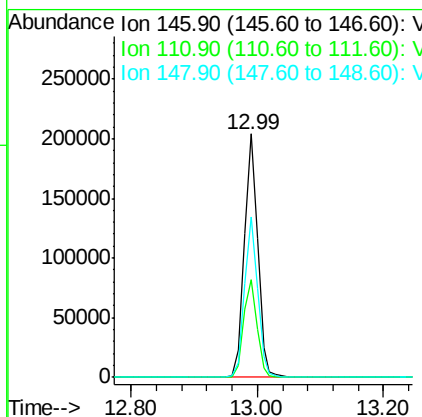
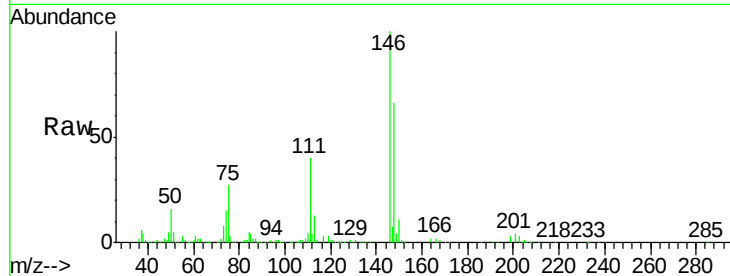
#91
 1,2-Dichlorobenzene
 Concen: 53.325 ug/l
 RT: 12.99 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: VF062393.D
 Acq: 9 May 2019 12:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	297445		
111	40.0		20.0	60.0
148	64.4		33.1	99.5

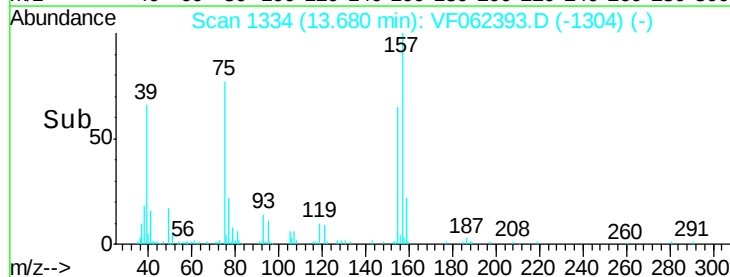
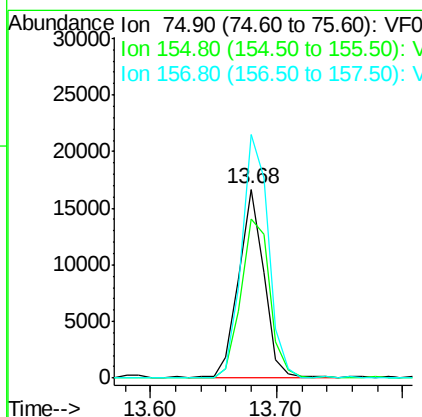
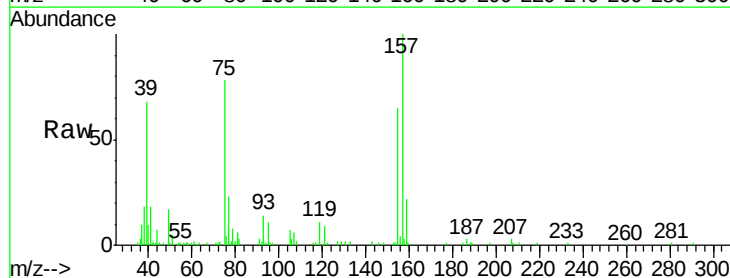
Manual Integrations
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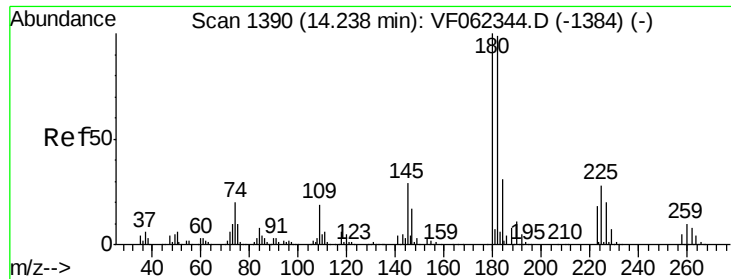
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.979 ug/l
 RT: 13.68 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: VF062393.D
 Acq: 9 May 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	23187		
155	96.3		51.8	155.4
157	135.4		67.3	201.8





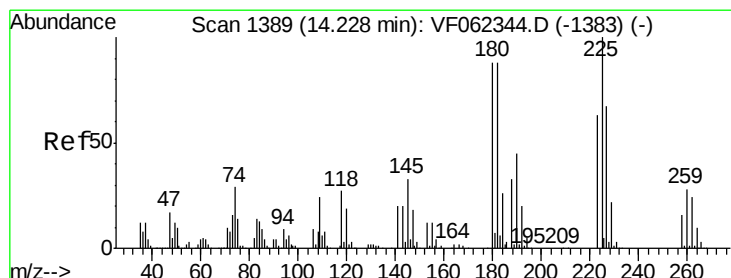
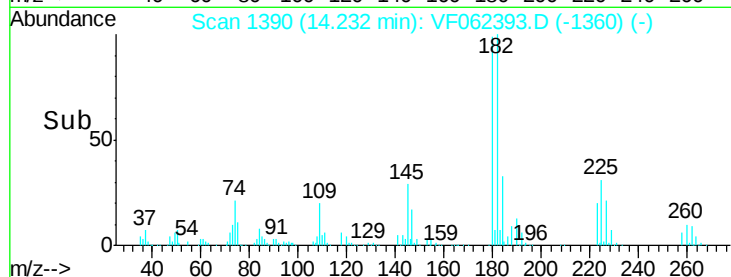
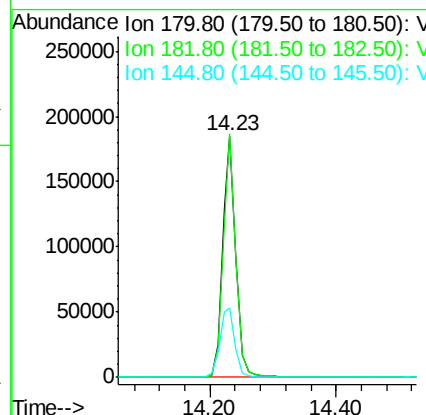
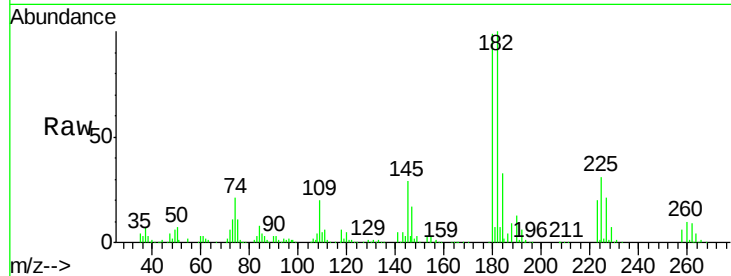
#93
 1,2,4-Trichlorobenzene
 Concen: 54.578 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062393.D
 Acq: 9 May 2019 12:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	273065		
182	96.7	49.0	147.0	
145	33.3	16.7	50.1	

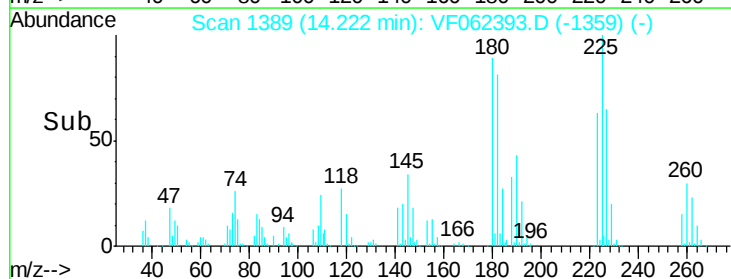
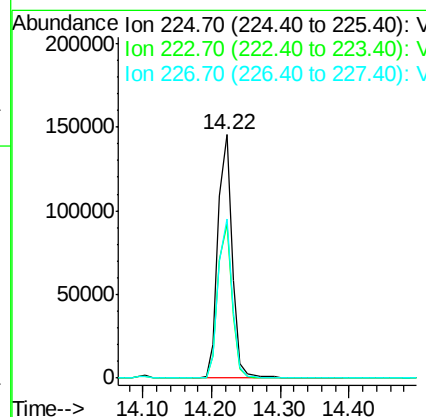
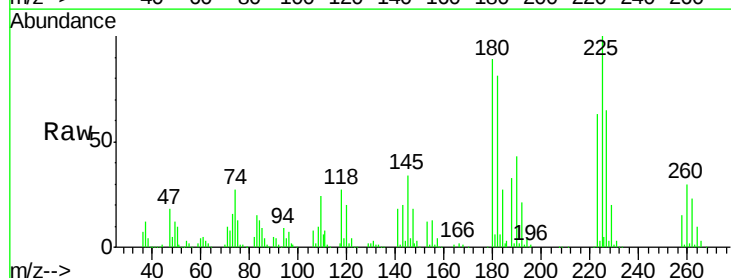
Manual Integrations
 APPROVED

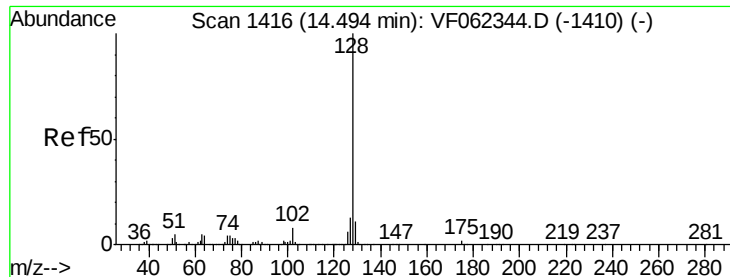
MMDadoda
 5/10/2019 11:03:31 AM



#94
 Hexachlorobutadiene
 Concen: 55.471 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VF062393.D
 Acq: 9 May 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	206856		
223	63.5	31.9	95.5	
227	65.1	33.1	99.5	





#95

Naphthalene

Concen: 55.389 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Instrument :

MSVOA_F

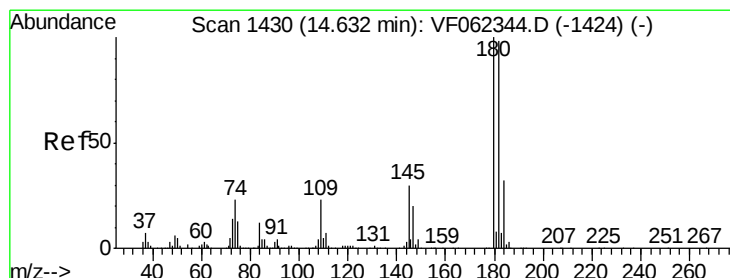
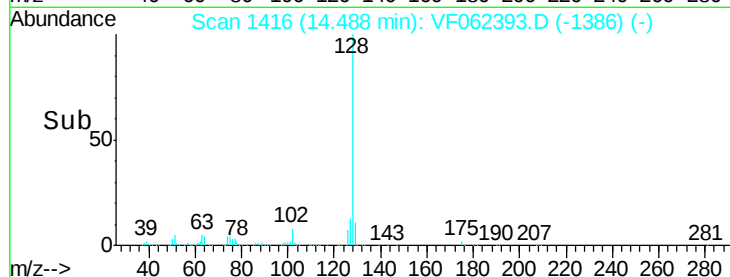
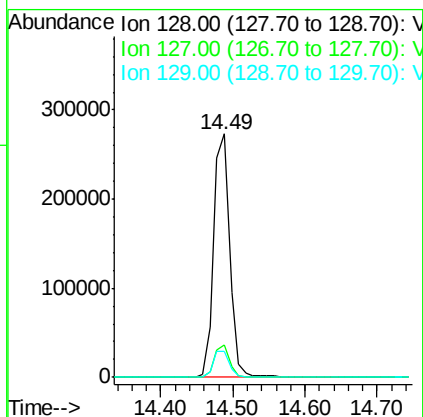
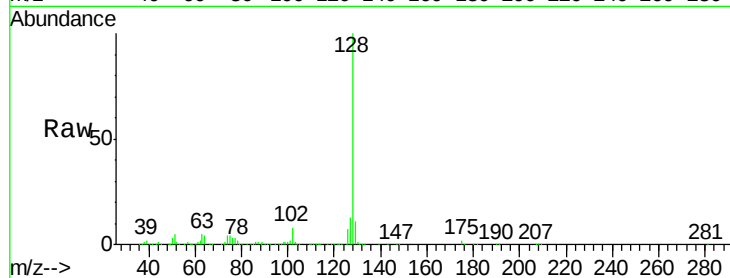
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	416632
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.5	15.7
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
5/10/2019 11:03:31 AM



#96

1,2,3-Trichlorobenzene

Concen: 56.812 ug/l

RT: 14.63 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VF062393.D

Acq: 9 May 2019 12:41

Tgt Ion:	180	Resp:	275373
Ion Ratio	Lower	Upper	
180	100		
182	98.1	49.4	148.0
145	28.8	14.8	44.3

