

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060719\
 Data File : VX010135.D
 Acq On : 08 Jun 2019 01:37
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 10:53:06 AM

Quant Time: Jun 08 04:44:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	283863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	438230	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	403181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	200907	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	144097	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
35) Dibromofluoromethane	5.50	113	142501	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	
50) Toluene-d8	8.71	98	543397	53.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.28%	
62) 4-Bromofluorobenzene	11.13	95	202083	53.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	138529	53.037	ug/l	99
3) Chloromethane	1.32	50	134533	51.864	ug/l	100
4) Vinyl Chloride	1.41	62	134755	55.274	ug/l	99
5) Bromomethane	1.64	94	49522	53.829	ug/l	97
6) Chloroethane	1.71	64	71001	57.763	ug/l	100
7) Trichlorofluoromethane	1.92	101	198432	54.794	ug/l	99
8) Diethyl Ether	2.19	74	66819	53.533	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	2.38	101	119933	48.044	ug/l	91
10) Methyl Iodide	2.51	142	202234	52.288	ug/l	97
11) Tert butyl alcohol	3.05	59	192573	283.706	ug/l	98
12) 1,1-Dichloroethene	2.37	96	128036	50.216	ug/l #	76
13) Acrolein	2.29	56	30797	248.828	ug/l	99
14) Allyl chloride	2.73	41	183195	47.599	ug/l #	88
15) Acrylonitrile	3.14	53	362445	261.240	ug/l	98
16) Acetone	2.45	43	286225	219.627	ug/l #	86
17) Carbon Disulfide	2.57	76	350037	47.513	ug/l	98
18) Methyl Acetate	2.78	43	145012	50.596	ug/l #	82
19) Methyl tert-butyl Ether	3.20	73	404077	49.330	ug/l	94
20) Methylene Chloride	2.85	84	141055	49.284	ug/l #	78
21) trans-1,2-Dichloroethene	3.17	96	135109	47.883	ug/l #	77
22) Diisopropyl ether	3.85	45	376125	51.115	ug/l #	88
23) Vinyl Acetate	3.81	43	1682280	256.266	ug/l #	88
24) 1,1-Dichloroethane	3.70	63	218779	48.968	ug/l	95
25) 2-Butanone	4.67	43	494895	255.017	ug/l #	82
26) 2,2-Dichloropropane	4.58	77	146698	35.992	ug/l	91
27) cis-1,2-Dichloroethene	4.60	96	158470	50.484	ug/l	76
28) Bromochloromethane	5.02	49	94991	47.440	ug/l #	47
29) Tetrahydrofuran	5.13	42	322569	264.487	ug/l #	76
30) Chloroform	5.21	83	233627	50.351	ug/l	99
31) Cyclohexane	5.58	56	201945	50.083	ug/l #	78
32) 1,1,1-Trichloroethane	5.49	97	211742	48.542	ug/l	93
36) 1,1-Dichloropropene	5.80	75	171199	47.884	ug/l	91
37) Ethyl Acetate	4.84	43	183708	49.384	ug/l #	90
38) Carbon Tetrachloride	5.79	117	195302	48.261	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.46	83	224172	46.046	ug/l #	84
40) Benzene	6.14	78	551107	49.849	ug/l	98
41) Methacrylonitrile	5.04	41	100038	49.714	ug/l #	83
42) 1,2-Dichloroethane	6.19	62	170434	48.289	ug/l	93
43) Isopropyl Acetate	6.45	43	307967	49.514	ug/l #	88
44) Trichloroethene	7.21	130	170998	51.313	ug/l	86
45) 1,2-Dichloropropane	7.51	63	138819	50.168	ug/l	98
46) Dibromomethane	7.66	93	97944	47.246	ug/l	89
47) Bromodichloromethane	7.90	83	189945	49.035	ug/l	99
48) Methyl methacrylate	7.77	41	146965	50.524	ug/l #	77
49) 1,4-Dioxane	7.74	88	83686	1009.071	ug/l #	79
51) 4-Methyl-2-Pentanone	8.64	43	980797	263.960	ug/l	90
52) Toluene	8.78	92	357237	49.157	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	210157	46.904	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	224307	46.697	ug/l #	89
55) 1,1,2-Trichloroethane	9.21	97	152836	51.352	ug/l	95
56) Ethyl methacrylate	9.18	69	241608	51.390	ug/l #	82
57) 1,3-Dichloropropane	9.37	76	232207	49.557	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	542156	244.613	ug/l #	87
59) 2-Hexanone	9.49	43	762237	257.289	ug/l	87
60) Dibromochloromethane	9.58	129	177083	50.302	ug/l	100
61) 1,2-Dibromoethane	9.67	107	165705	49.989	ug/l	99
64) Tetrachloroethene	9.34	164	151700	50.659	ug/l	96
65) Chlorobenzene	10.14	112	406738	48.879	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	159771	49.927	ug/l	99
67) Ethyl Benzene	10.25	91	695271	49.081	ug/l	95
68) m/p-Xylenes	10.36	106	542183	98.907	ug/l	90
69) o-Xylene	10.69	106	265738	48.767	ug/l	90
70) Styrene	10.71	104	458601	49.691	ug/l	95
71) Bromoform	10.85	173	145154	49.341	ug/l #	98
73) Isopropylbenzene	11.02	105	698560	49.809	ug/l	95
74) N-amyl acetate	10.90	43	279973	50.501	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.27	83	237125	49.393	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	195103m	48.551	ug/l	
77) Bromobenzene	11.26	156	189898	49.238	ug/l	84
78) n-propylbenzene	11.36	91	774368	49.596	ug/l	94
79) 2-Chlorotoluene	11.42	91	462359	49.306	ug/l	91
80) 1,3,5-Trimethylbenzene	11.51	105	584424	49.475	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	83159	45.722	ug/l #	84
82) 4-Chlorotoluene	11.51	91	530071	49.761	ug/l	92
83) tert-Butylbenzene	11.77	119	588609	49.232	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	589756	49.428	ug/l	95
85) sec-Butylbenzene	11.94	105	686276	49.269	ug/l	96
86) p-Isopropyltoluene	12.06	119	625340	49.109	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	332097	48.886	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	329371	48.097	ug/l	98
89) n-Butylbenzene	12.38	91	532761	48.605	ug/l	97
90) Hexachloroethane	12.59	117	125203	49.358	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	326998	49.513	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	53477	47.337	ug/l	67

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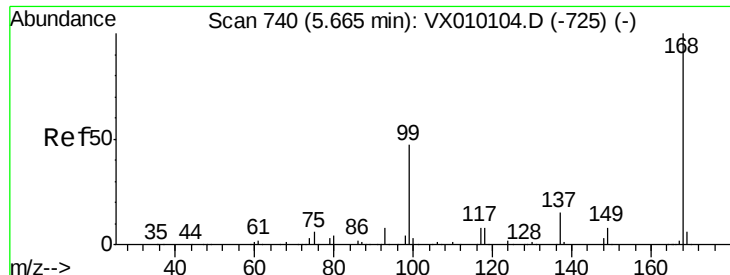
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	228851	47.339	ug/l	99
94) Hexachlorobutadiene	13.78	225	98164	45.658	ug/l	99
95) Naphthalene	13.83	128	746204	49.035	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	230737	48.272	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 283863

Ion Ratio Lower Upper

168 100

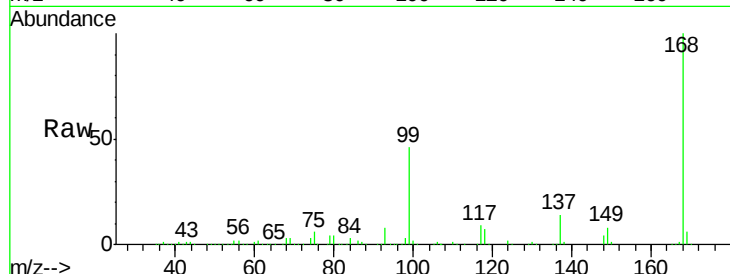
99 46.2 43.0 64.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

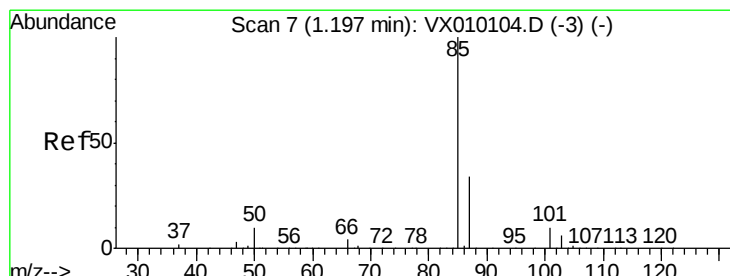
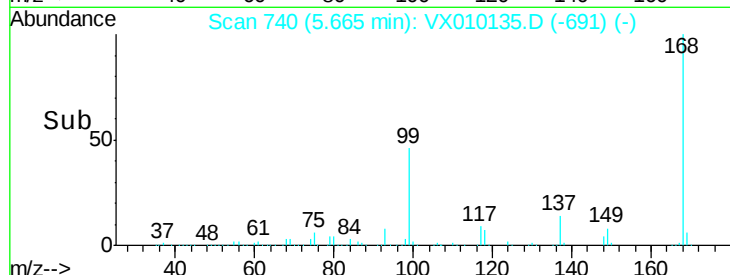
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 53.037 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX010135.D

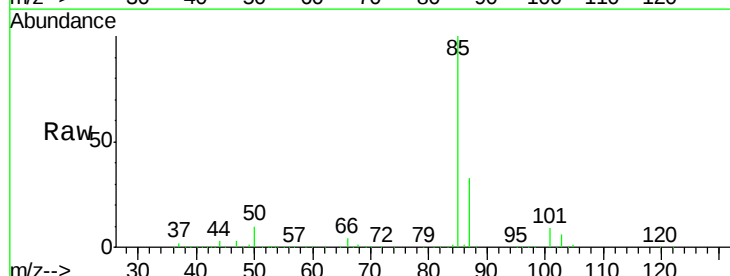
Acq: 08 Jun 2019 01:37

Tgt Ion: 85 Resp: 138529

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

150000

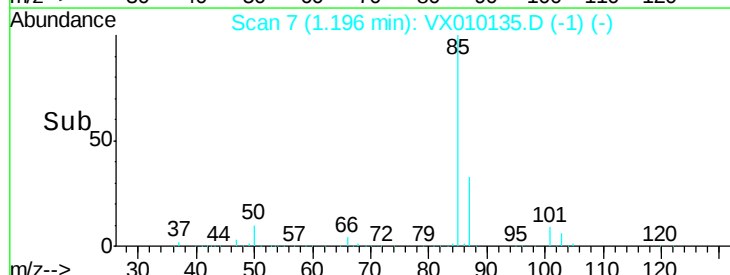
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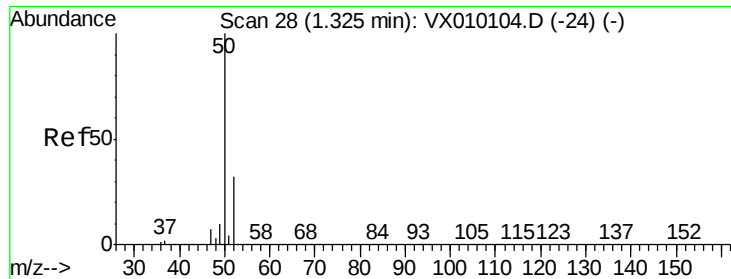
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 51.864 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 134533

Ion Ratio Lower Upper

50 100

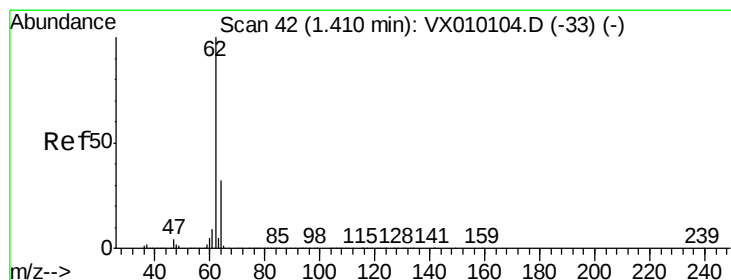
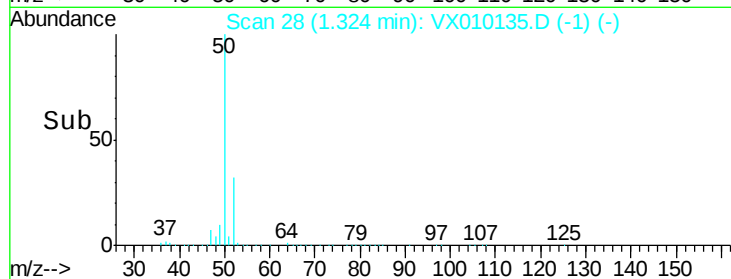
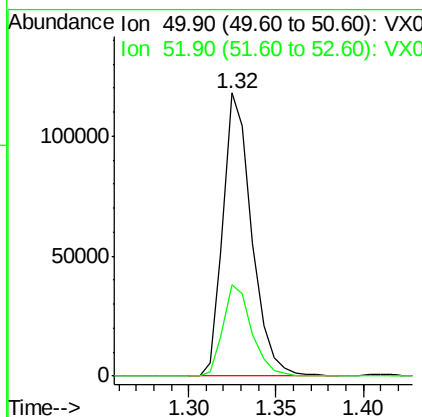
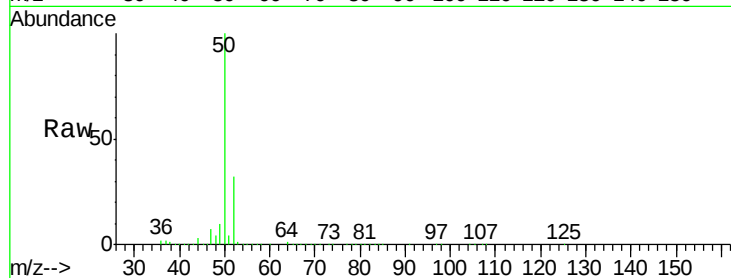
52 32.2 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 55.274 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010135.D

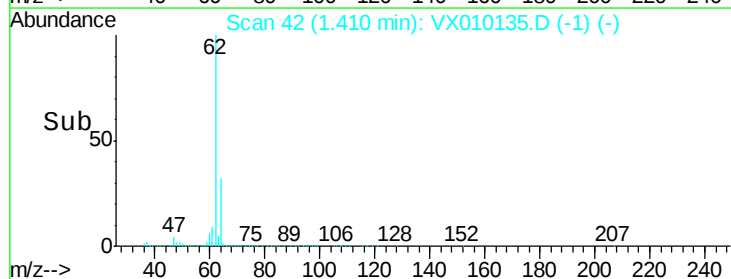
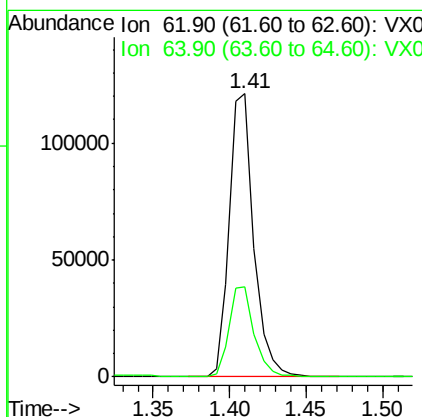
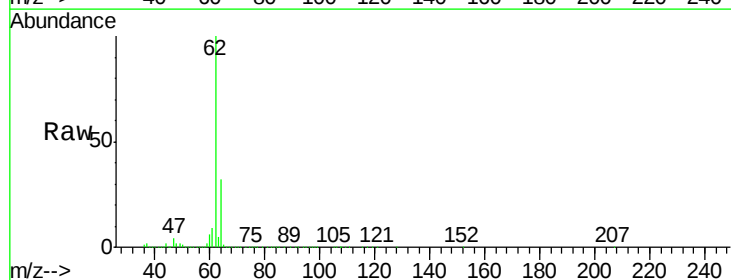
Acq: 08 Jun 2019 01:37

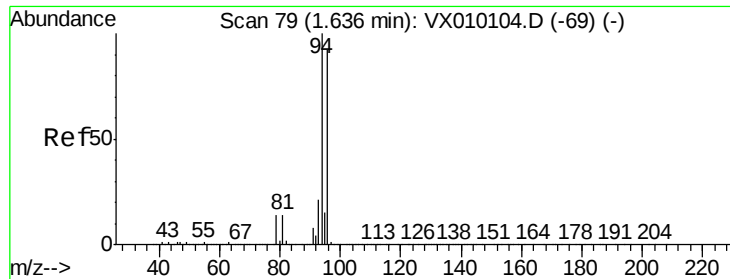
Tgt Ion: 62 Resp: 134755

Ion Ratio Lower Upper

62 100

64 31.7 25.7 38.5





#5

Bromomethane

Concen: 53.829 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 49522

Ion Ratio Lower Upper

94 100

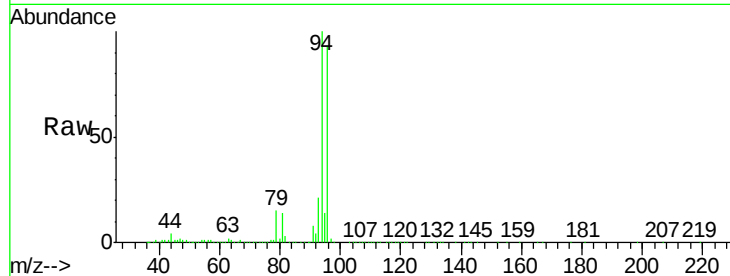
96 92.8 76.2 114.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

60000

50000

40000

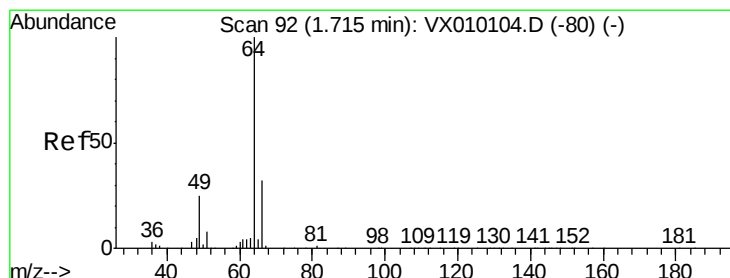
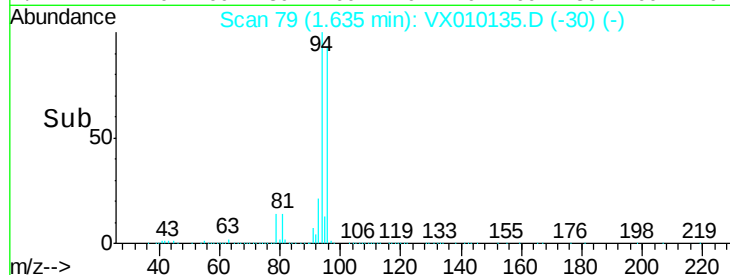
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 57.763 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010135.D

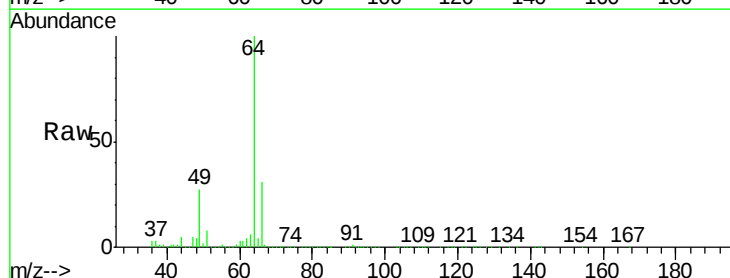
Acq: 08 Jun 2019 01:37

Tgt Ion: 64 Resp: 71001

Ion Ratio Lower Upper

64 100

66 31.3 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

60000

50000

40000

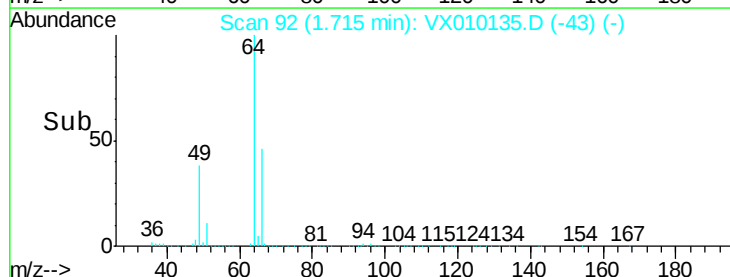
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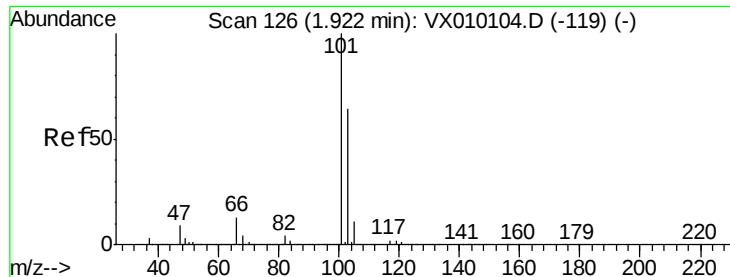
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Time-->





#7

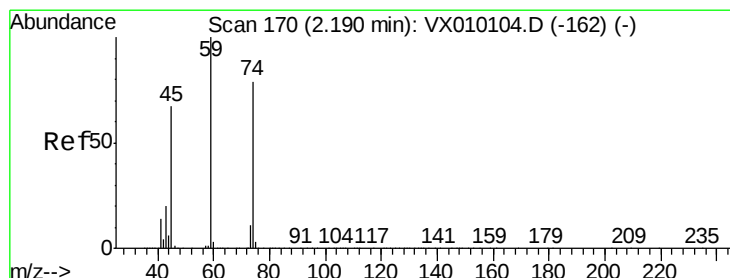
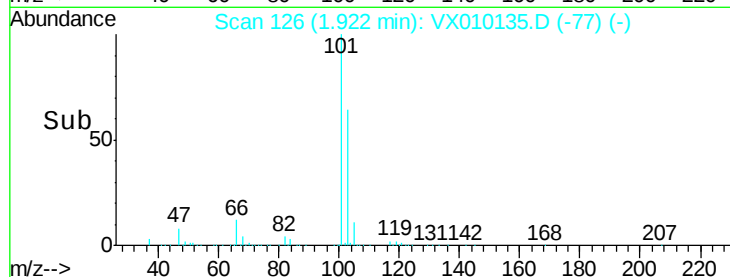
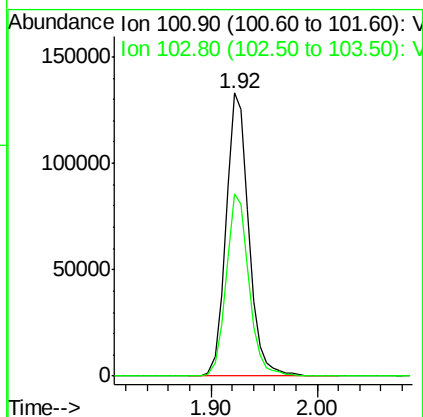
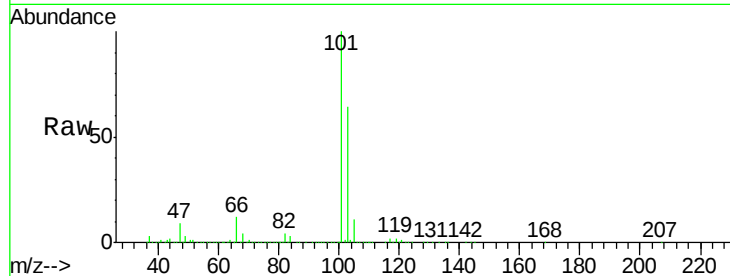
Trichlorofluoromethane
Concen: 54.794 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX010135.D
Acq: 08 Jun 2019 01:37

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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.2	78.4

Manual Integrations
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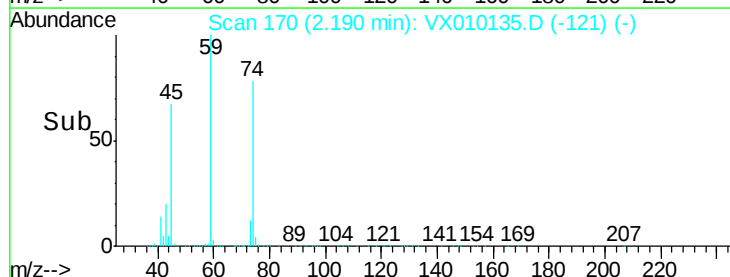
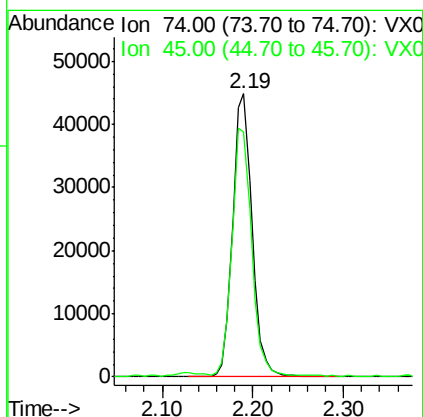
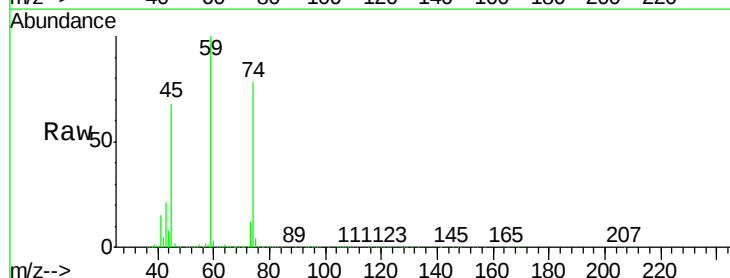
MMDadoda
6/10/2019 10:53:06 AM

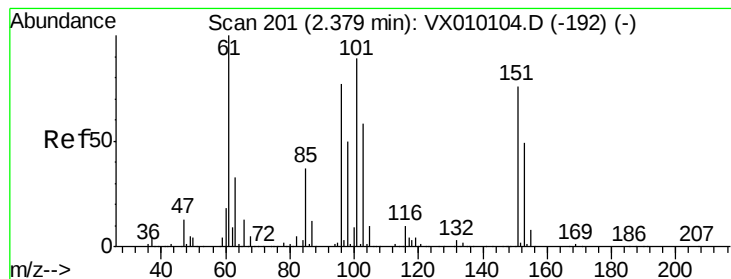


#8

Diethyl Ether
Concen: 53.533 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX010135.D
Acq: 08 Jun 2019 01:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.0	56.1	168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.044 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

Instrument :

MSVOA_X

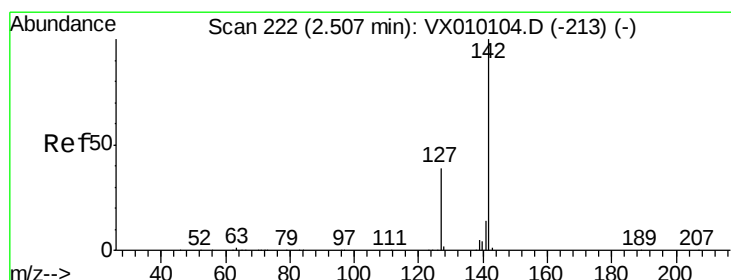
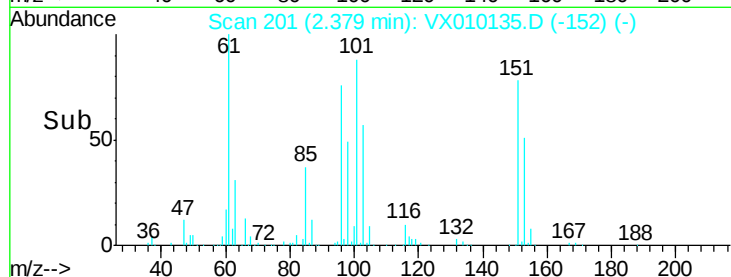
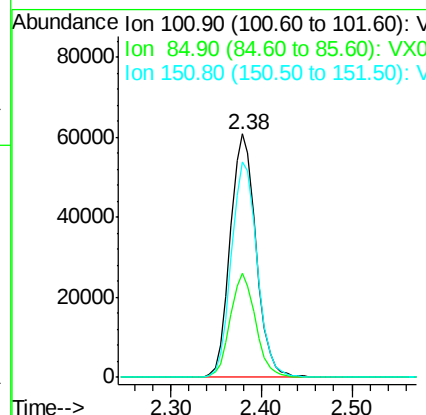
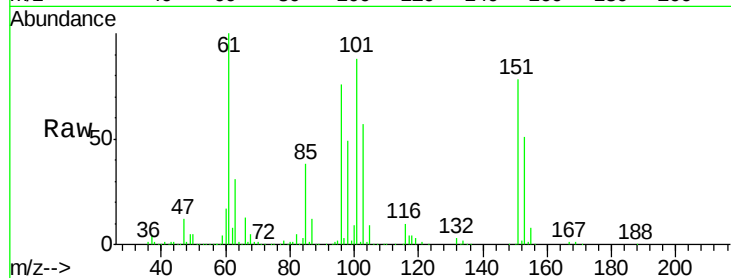
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	119933
Ion Ratio	Lower	Upper	
101	100		
85	41.8	35.2	52.8
151	88.6	61.9	92.9

Manual Integrations
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6/10/2019 10:53:06 AM



#10

Methyl Iodide

Concen: 52.288 ug/l

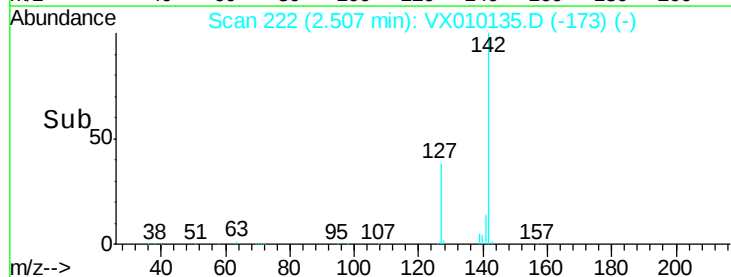
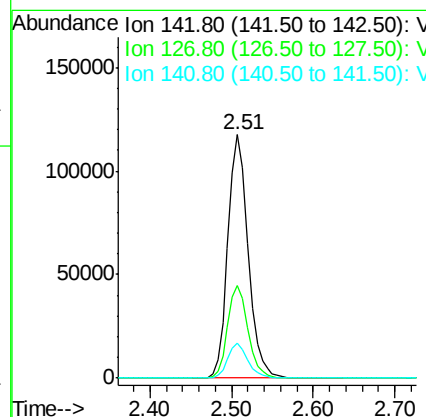
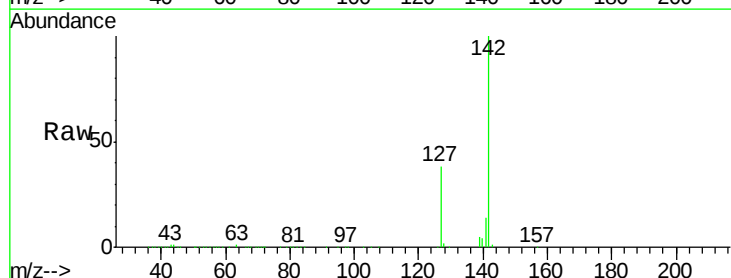
RT: 2.51 min Scan# 222

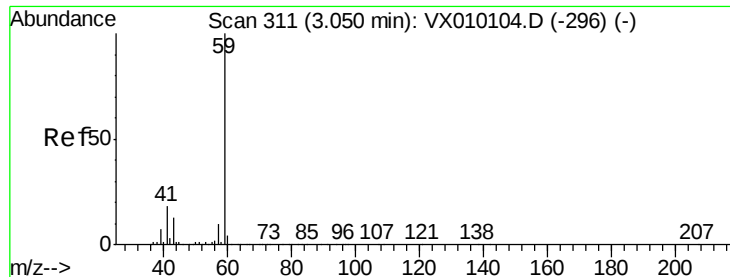
Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

Tgt Ion:	142	Resp:	202234
Ion Ratio	Lower	Upper	
142	100		
127	38.4	33.0	49.4
141	14.1	11.4	17.0





#11

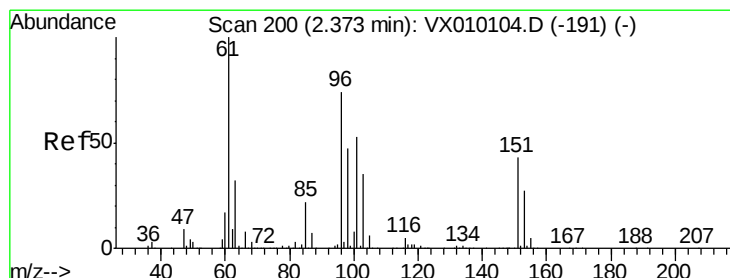
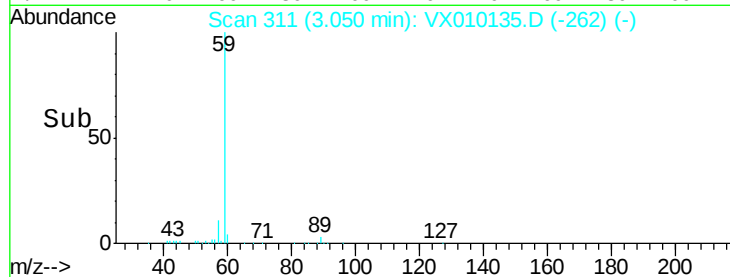
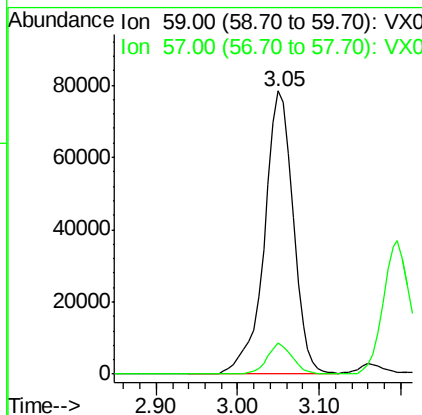
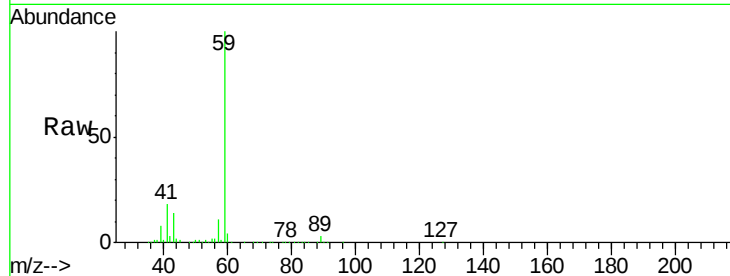
Tert butyl alcohol
 Concen: 283.706 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. -0.00 min
 Lab File: VX010135.D
 Acq: 08 Jun 2019 01:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	192573		
57	9.3		8.2	12.2

Manual Integrations
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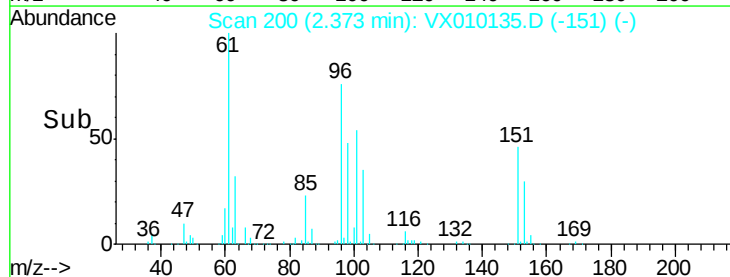
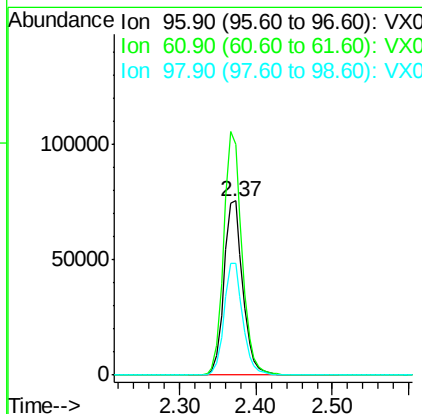
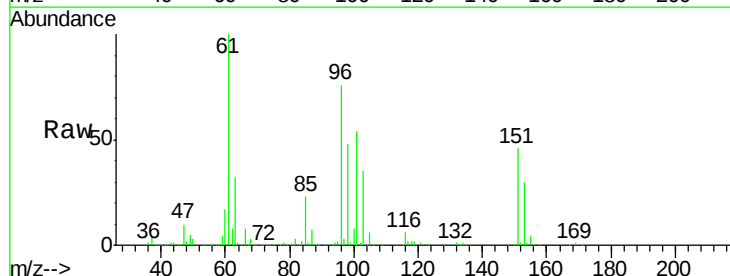
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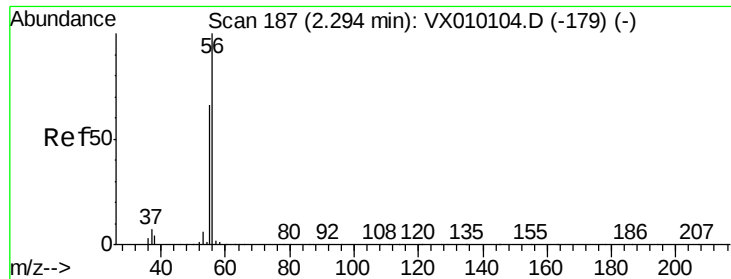


#12

1,1-Dichloroethene
 Concen: 50.216 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX010135.D
 Acq: 08 Jun 2019 01:37

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	128036		
61	132.1		140.7	211.1#
98	63.9		50.1	75.1





#13

Acrolein

Concen: 248.828 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 30797

Ion Ratio Lower Upper

56 100

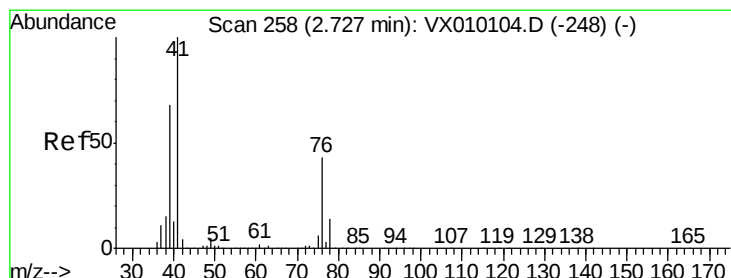
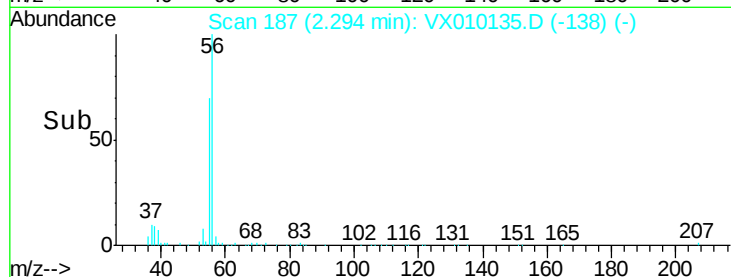
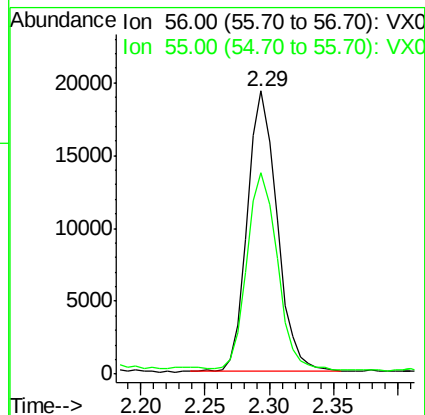
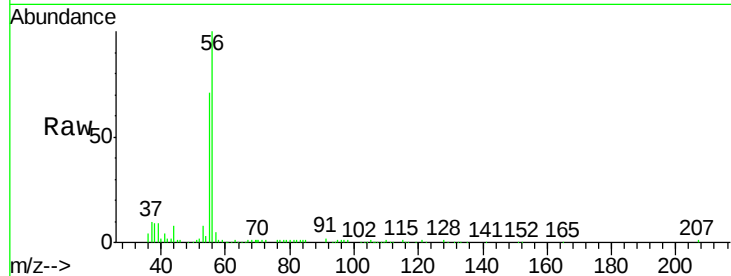
55 71.7 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 47.599 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

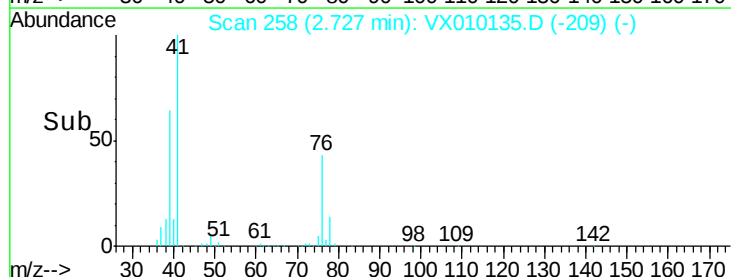
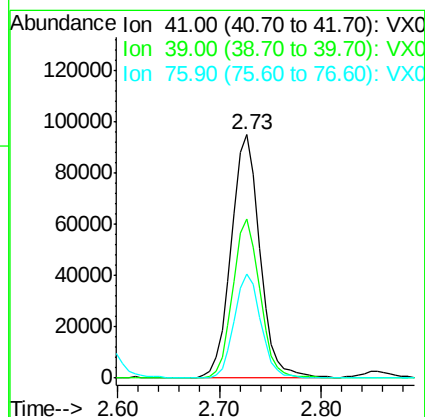
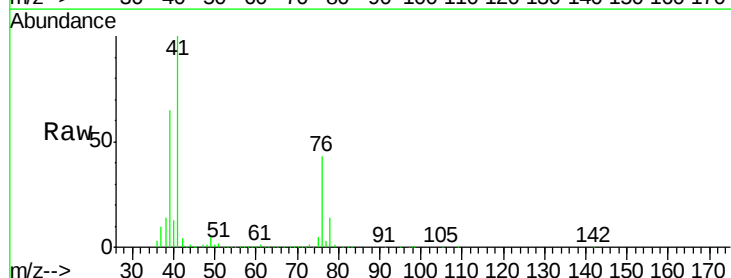
Tgt Ion: 41 Resp: 183195

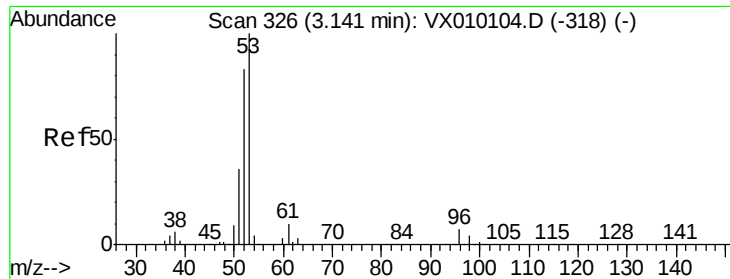
Ion Ratio Lower Upper

41 100

39 62.1 46.7 70.1

76 39.8 21.0 31.4#





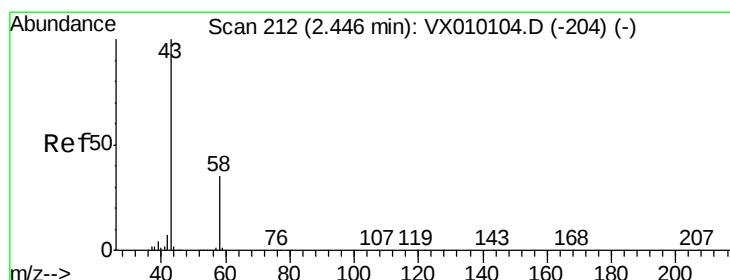
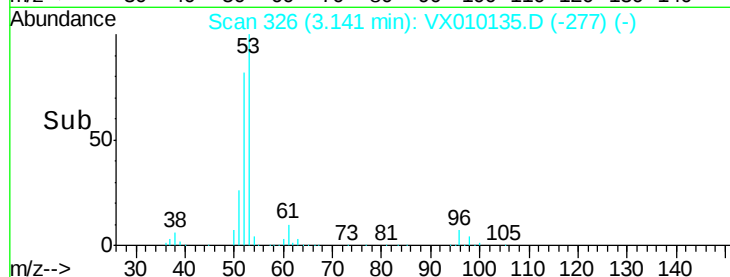
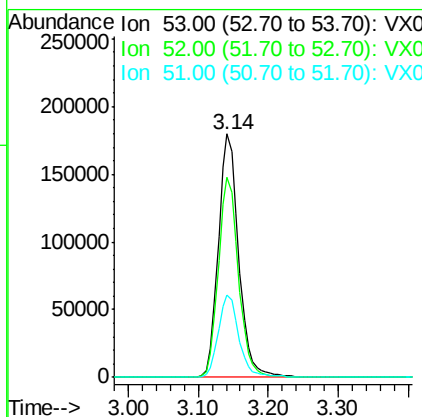
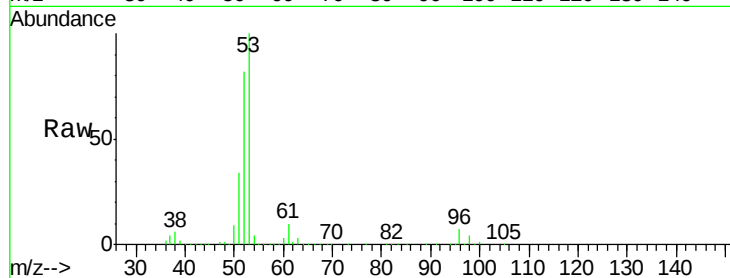
#15
 Acrylonitrile
 Concen: 261.240 ug/l
 RT: 3.14 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VX010135.D
 Acq: 08 Jun 2019 01:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.7	100.1
51	34.3	28.8	43.2

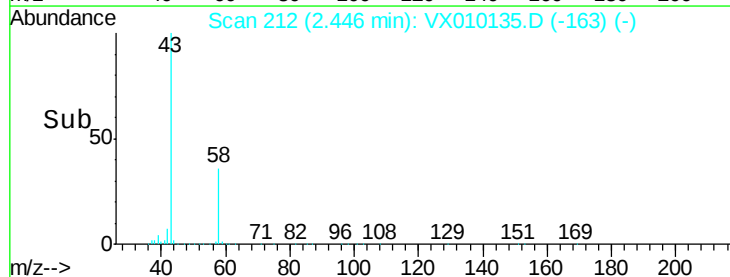
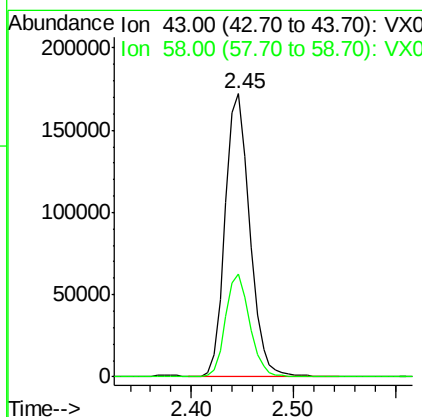
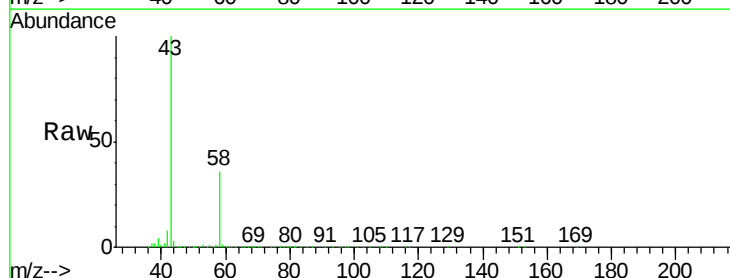
Manual Integrations
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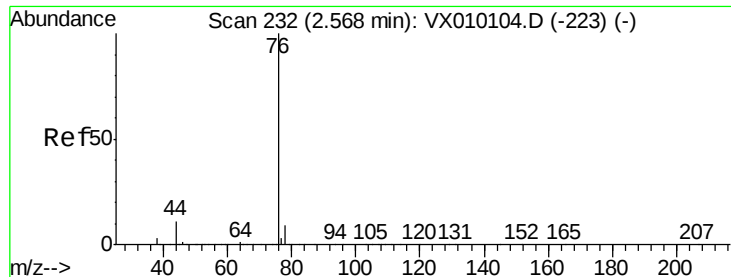
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 6/10/2019 10:53:06 AM



#16
 Acetone
 Concen: 219.627 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX010135.D
 Acq: 08 Jun 2019 01:37

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.4	23.2	34.8#





#17

Carbon Disulfide

Concen: 47.513 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

Tot Ion: 76 Resp: 350037

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.6

Instrument :

MSVOA_X

ClientSampleId :

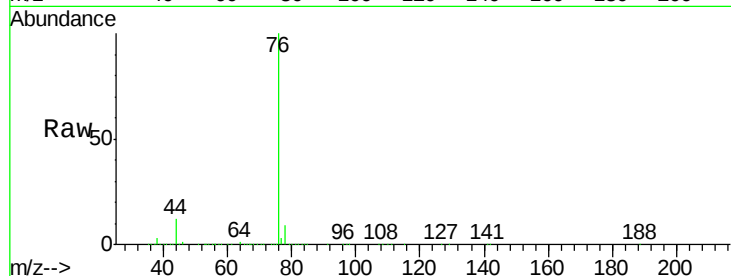
VSTDCCC050EC

Manual Integrations

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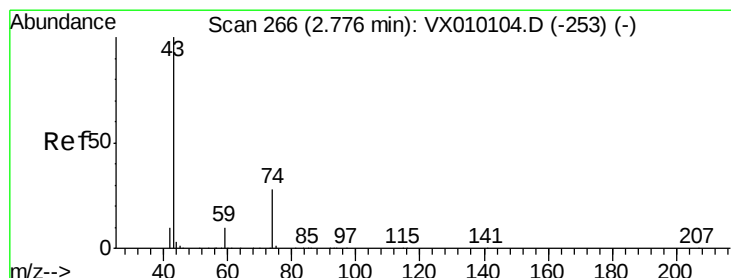
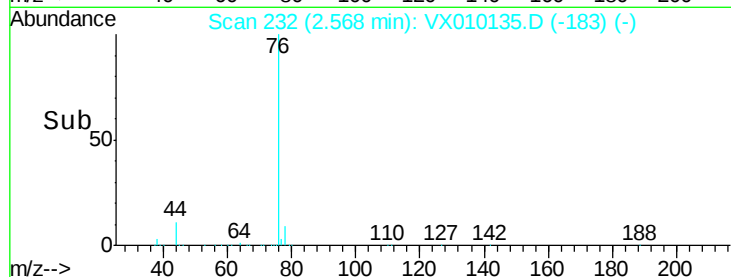
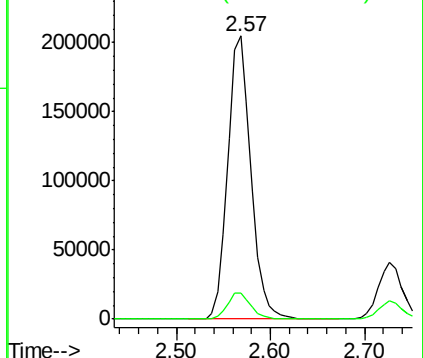
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 50.596 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX010135.D

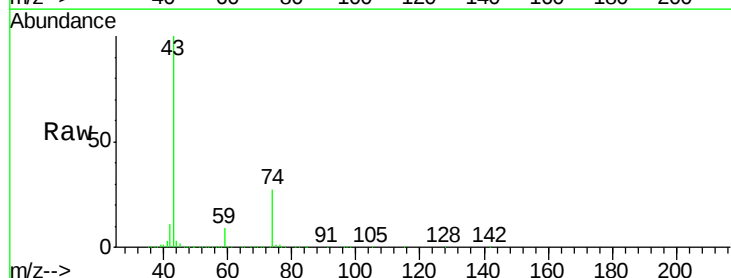
Acq: 08 Jun 2019 01:37

Tgt Ion: 43 Resp: 145012

Ion Ratio Lower Upper

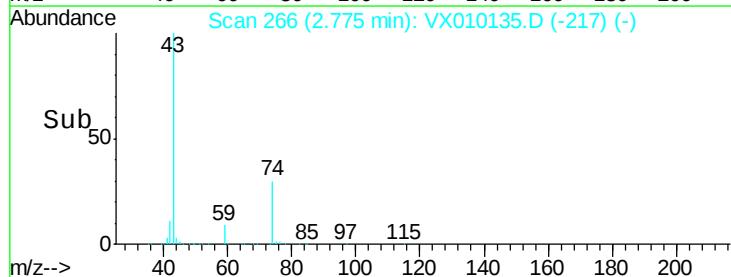
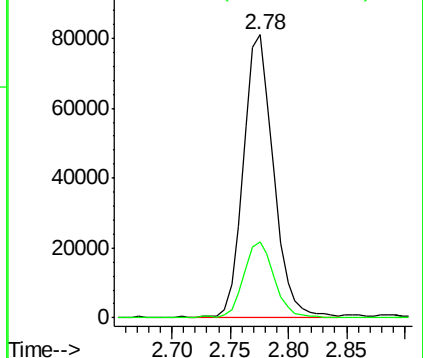
43 100

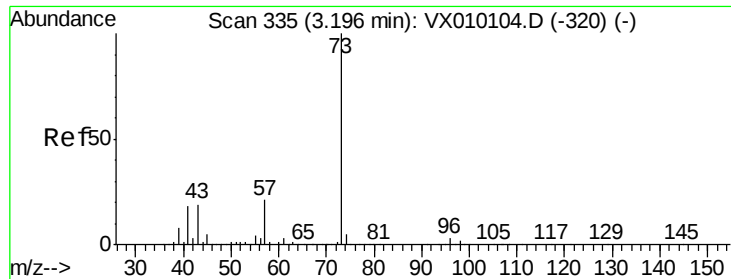
74 28.1 15.8 23.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





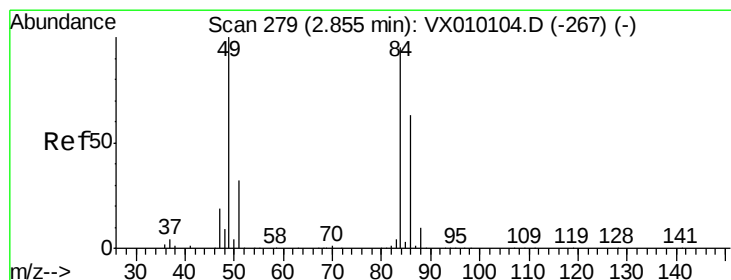
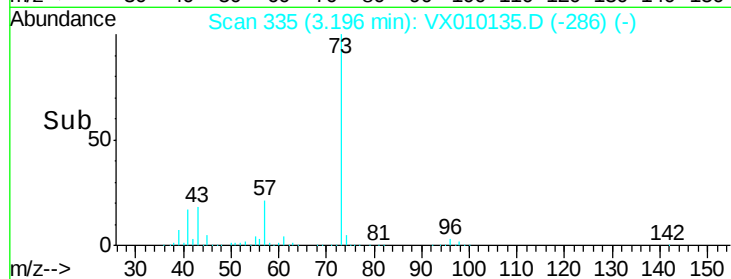
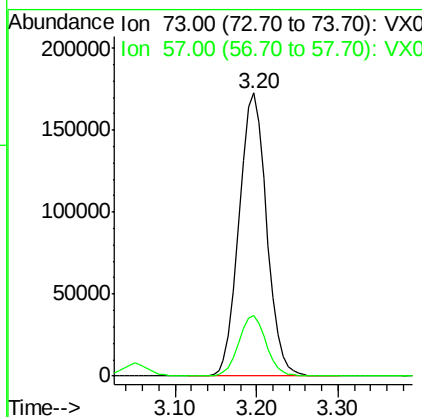
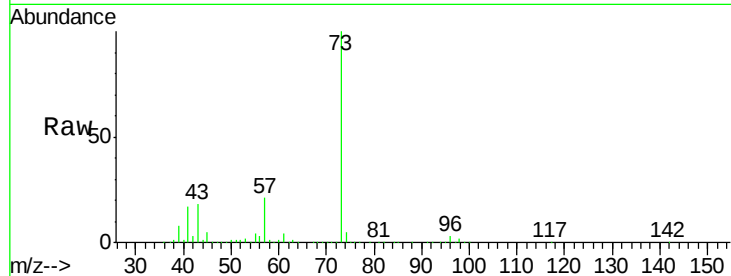
#19
Methvl tert-butvl Ether
Concen: 49.330 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010135.D
Acq: 08 Jun 2019 01:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	19.4	29.2

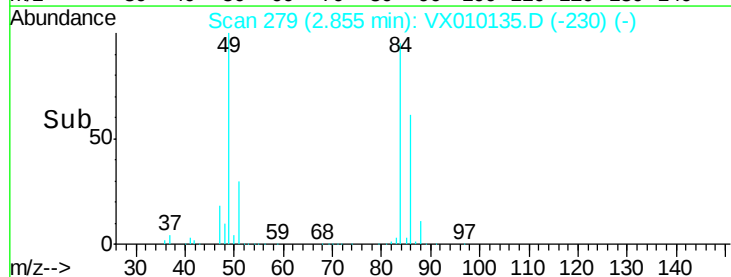
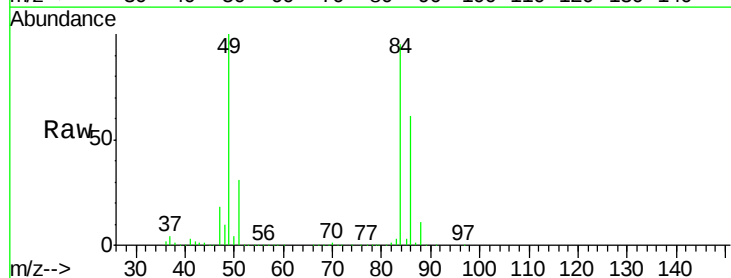
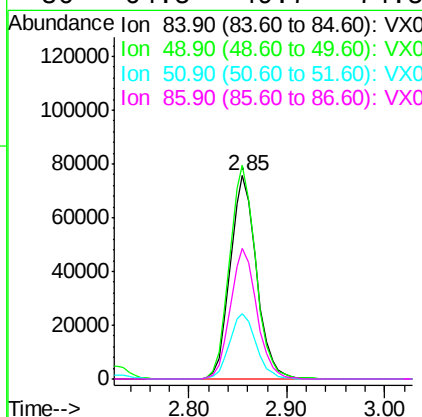
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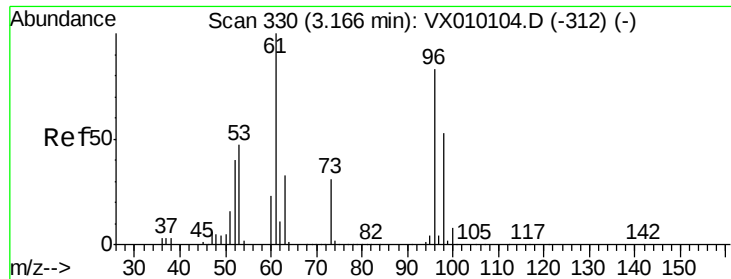
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#20
Methylene Chloride
Concen: 49.284 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010135.D
Acq: 08 Jun 2019 01:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	105.1	115.8	173.6#
51	32.0	34.4	51.6#
86	64.5	49.7	74.5





#21

trans-1,2-Dichloroethene

Concen: 47.883 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 135109

Ion Ratio Lower Upper

96 100

61 117.2 125.7 188.5#

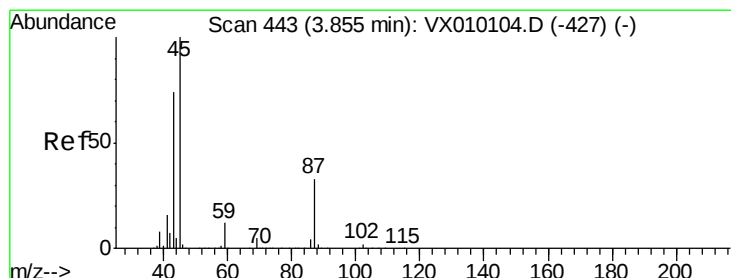
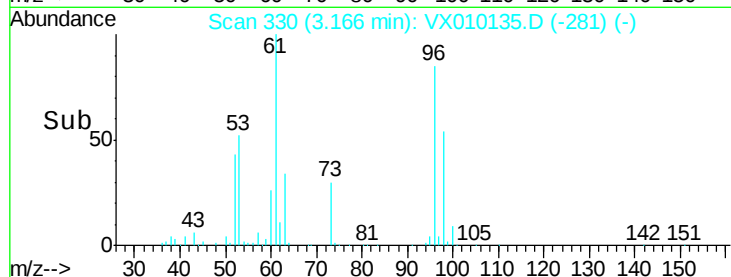
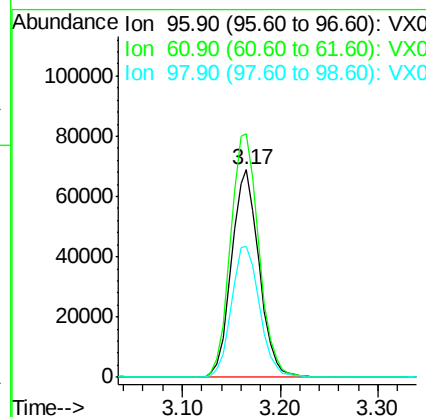
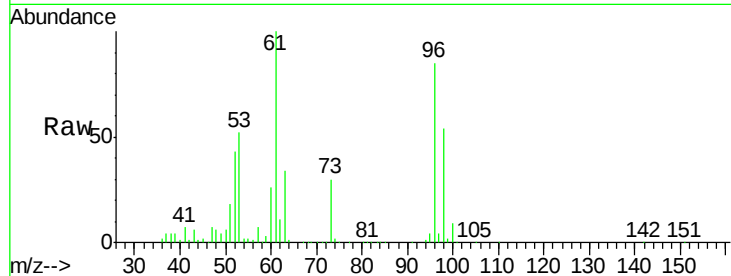
98 63.3 49.0 73.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 51.115 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

Tgt Ion: 45 Resp: 376125

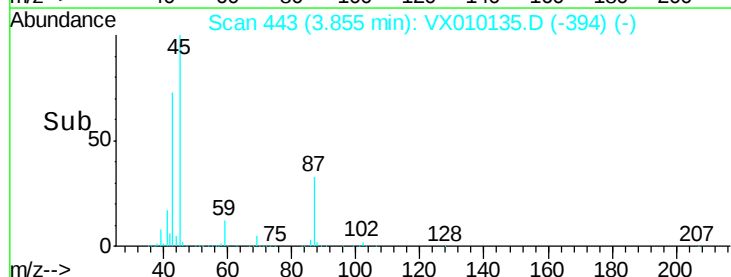
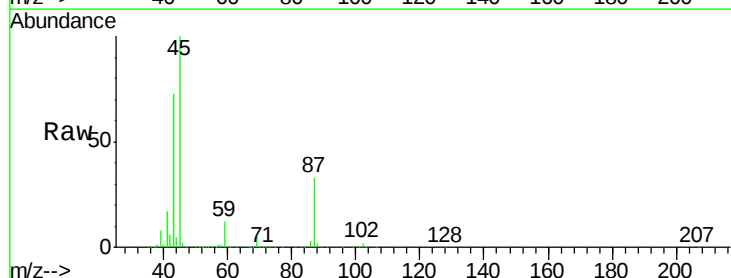
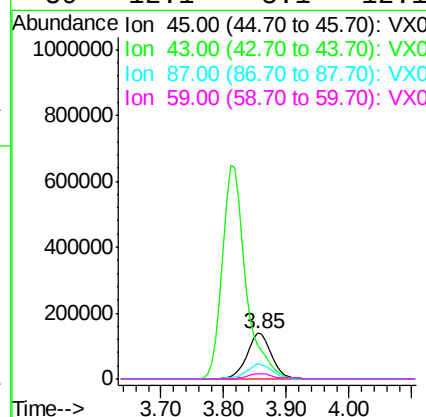
Ion Ratio Lower Upper

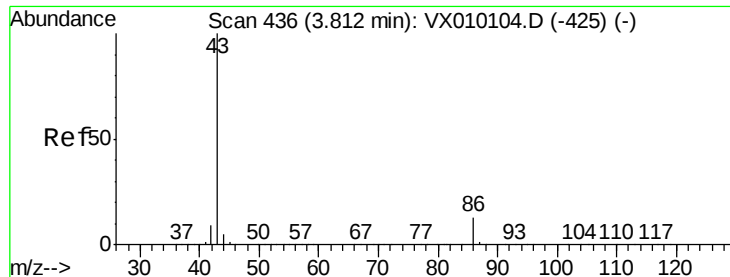
45 100

43 73.1 65.0 97.4

87 32.6 17.3 25.9#

59 12.1 8.1 12.1





#23

Vinyl Acetate

Concen: 256.266 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1682280

Ion Ratio Lower Upper

43 100

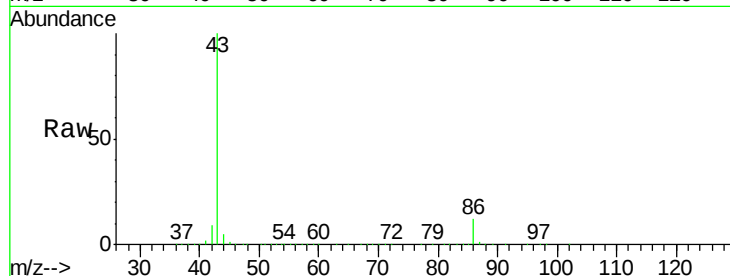
86 12.3 6.5 9.7#

Manual Integrations

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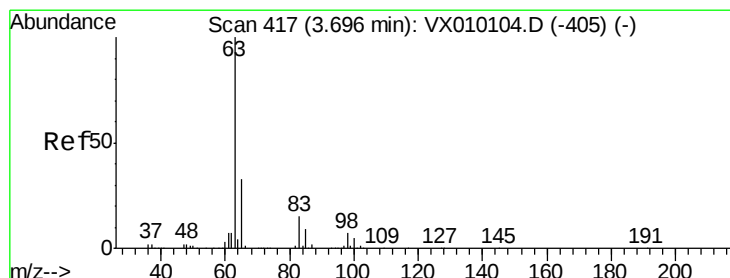
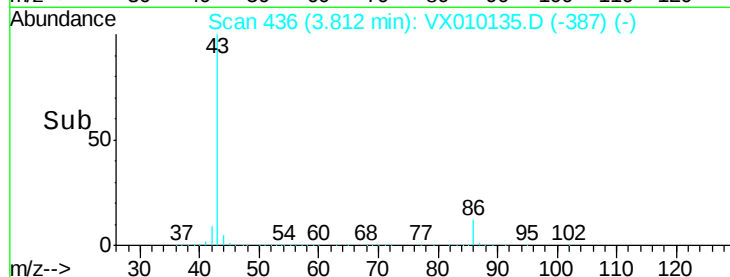
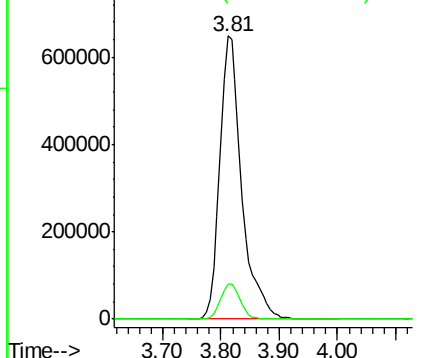
MMDadoda

6/10/2019 10:53:06 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 48.968 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

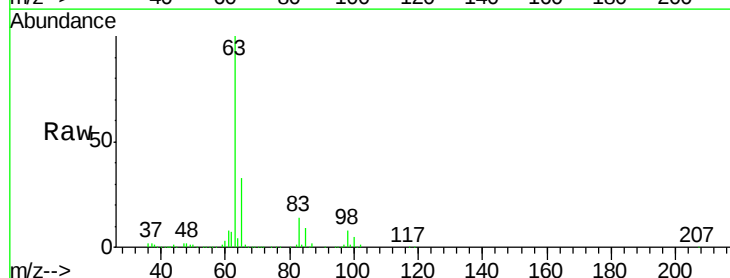
Tgt Ion: 63 Resp: 218779

Ion Ratio Lower Upper

63 100

98 7.9 2.9 8.8

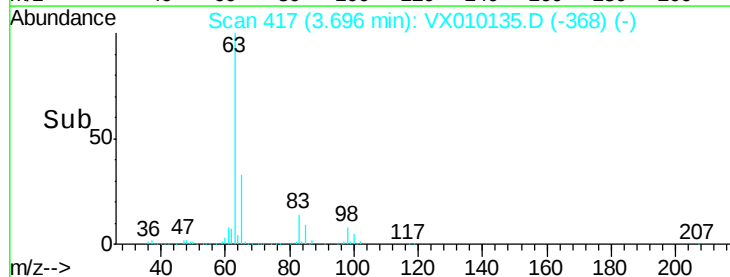
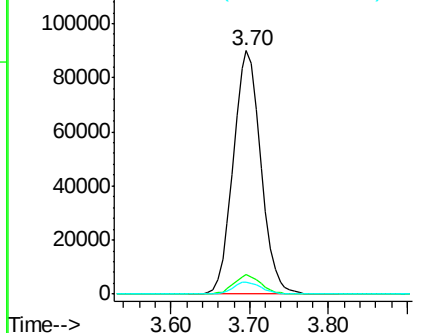
100 5.1 1.8 5.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 255.017 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 494895

Ion Ratio Lower Upper

43 100

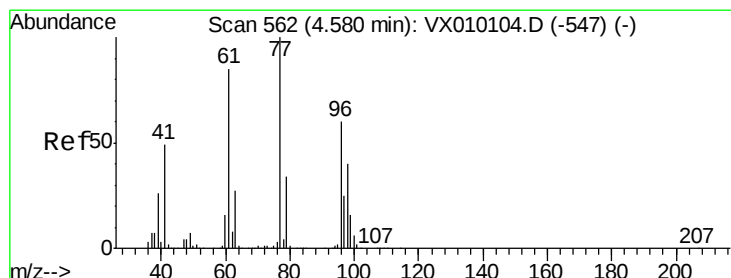
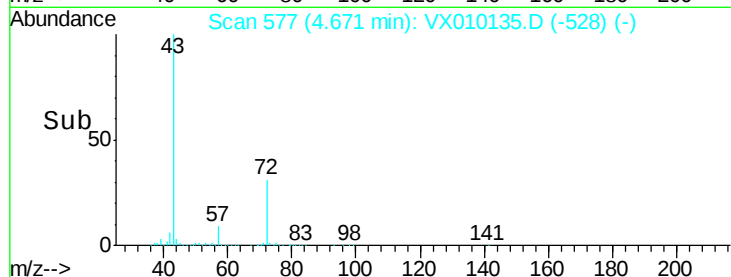
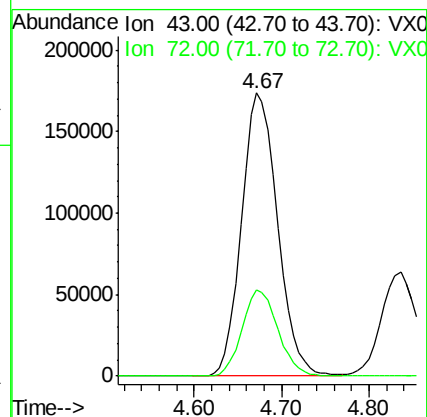
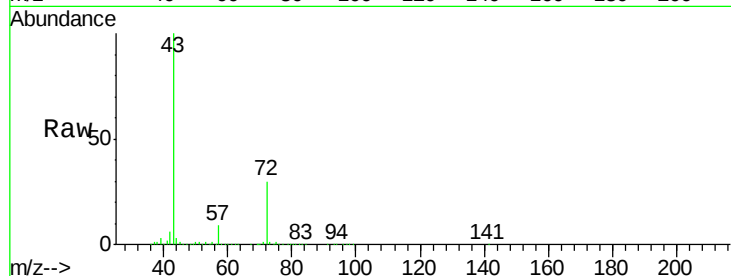
72 30.4 17.5 26.3#

Manual Integrations

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MMDadoda

6/10/2019 10:53:06 AM



#26

2,2-Dichloropropane

Concen: 35.992 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX010135.D

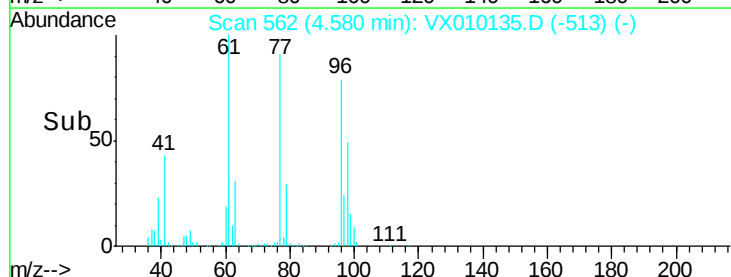
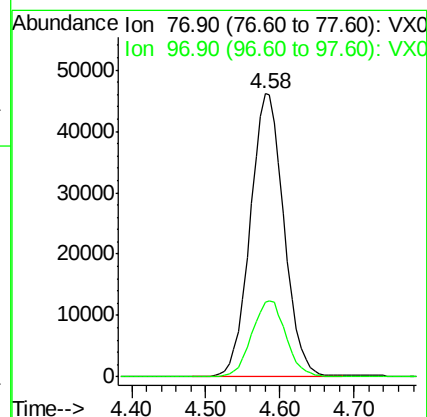
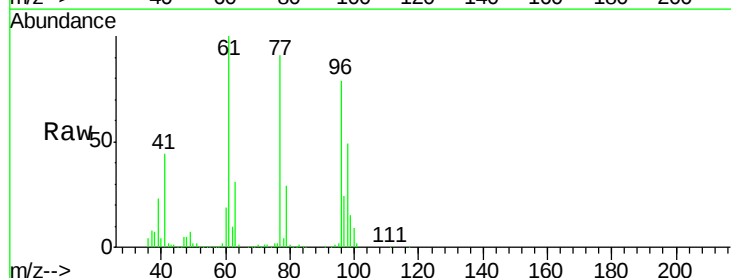
Acq: 08 Jun 2019 01:37

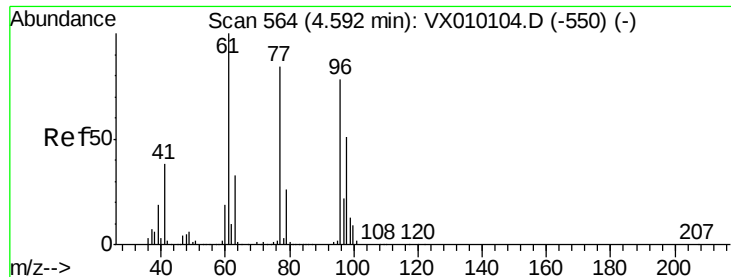
Tgt Ion: 77 Resp: 146698

Ion Ratio Lower Upper

77 100

97 27.3 11.4 34.2





#27

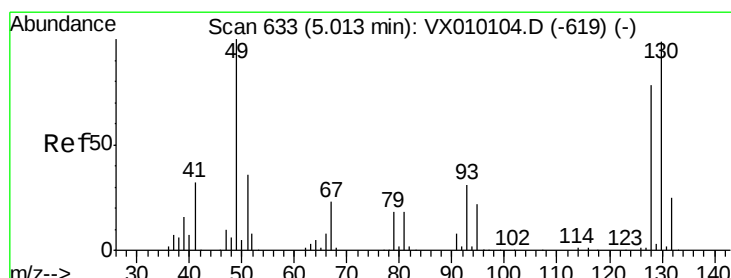
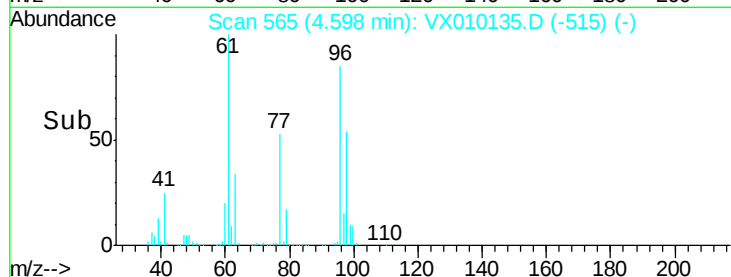
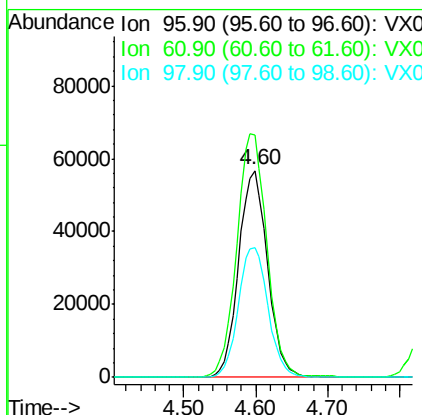
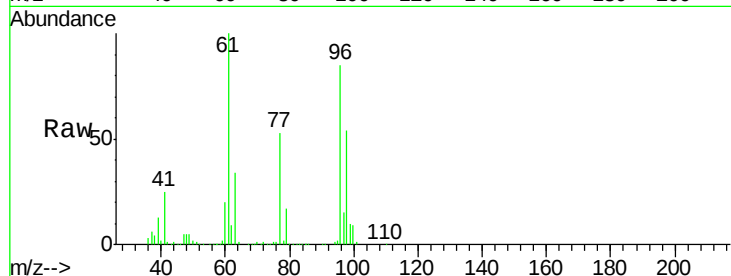
cis-1,2-Dichloroethene
Concen: 50.484 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX010135.D
Acq: 08 Jun 2019 01:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	158470		
61	123.2	0.0	334.0	
98	64.6	0.0	131.6	

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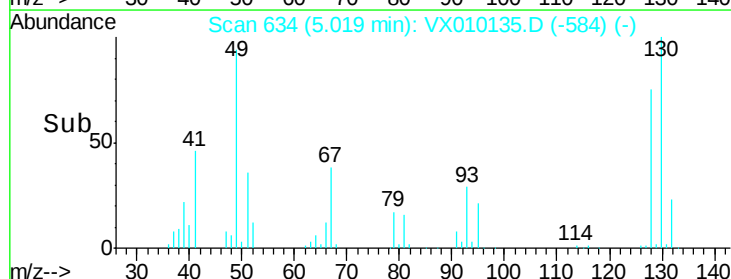
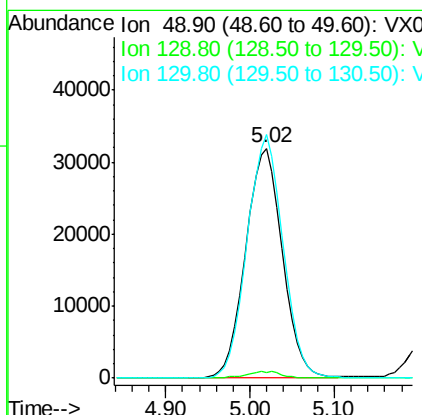
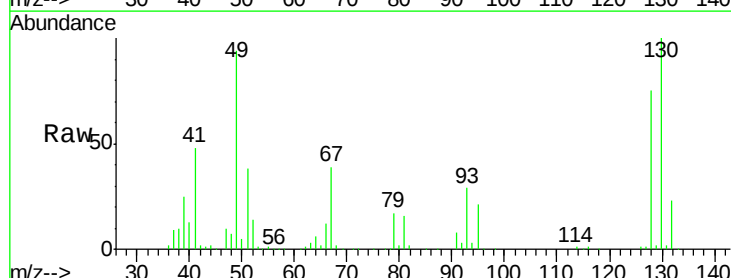
MMDadoda
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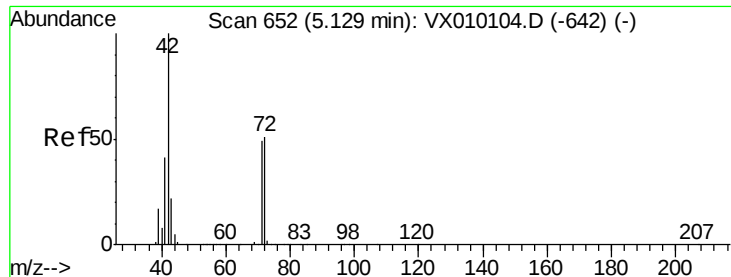


#28

Bromochloromethane
Concen: 47.440 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX010135.D
Acq: 08 Jun 2019 01:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	94991		
129	2.7	0.0	3.4	
130	103.7	49.4	74.2	





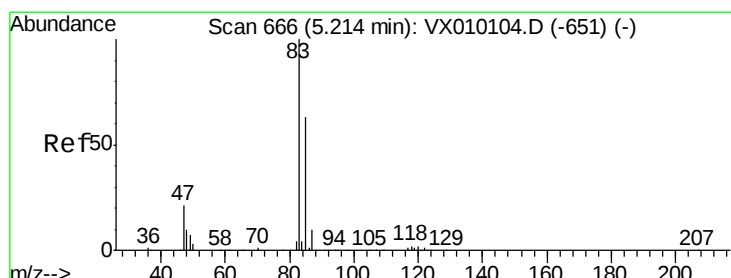
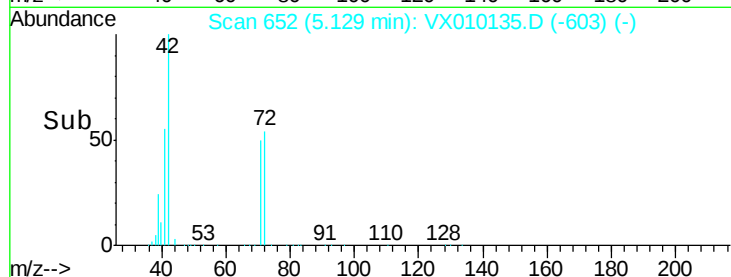
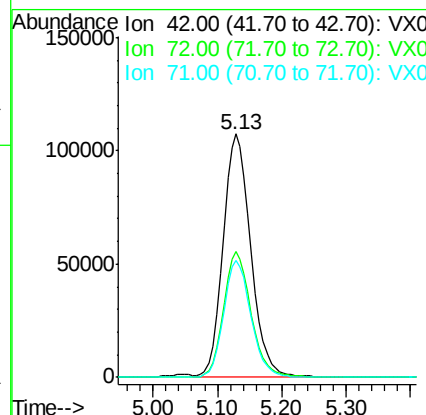
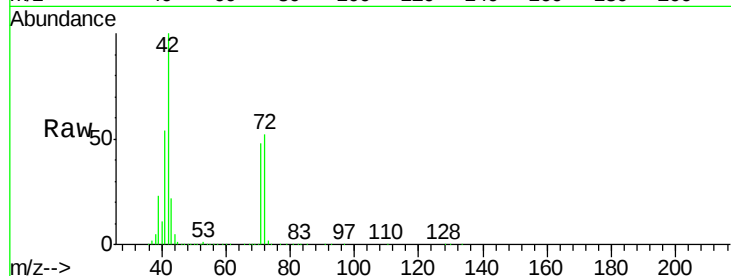
#29
Tetrahydrofuran
Concen: 264.487 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX010135.D
Acq: 08 Jun 2019 01:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.6	29.2	43.8#
71	48.0	27.6	41.4#

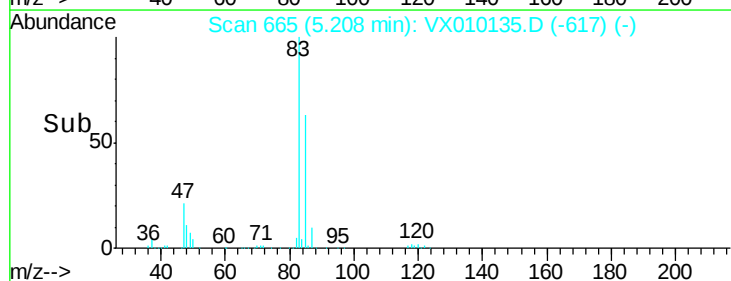
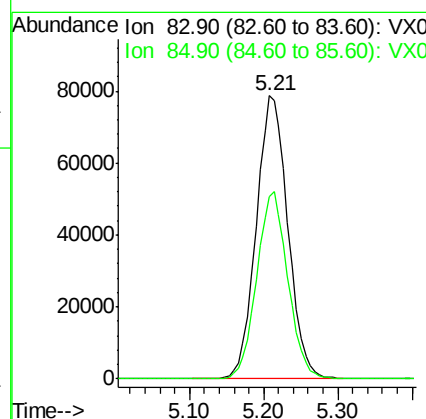
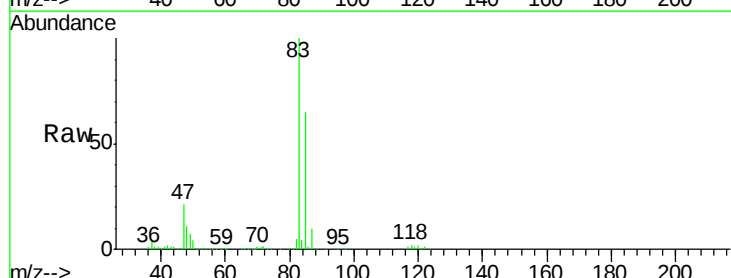
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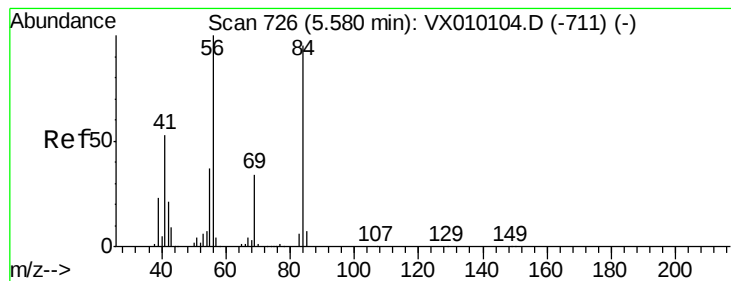
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#30
Chloroform
Concen: 50.351 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX010135.D
Acq: 08 Jun 2019 01:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.6	78.8





#31

Cvclohexane

Concen: 50.083 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

Instrument :

MSVOA_X

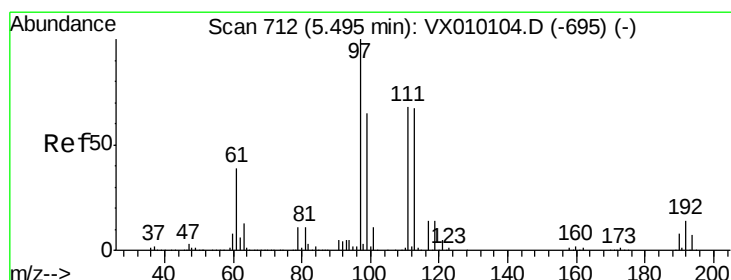
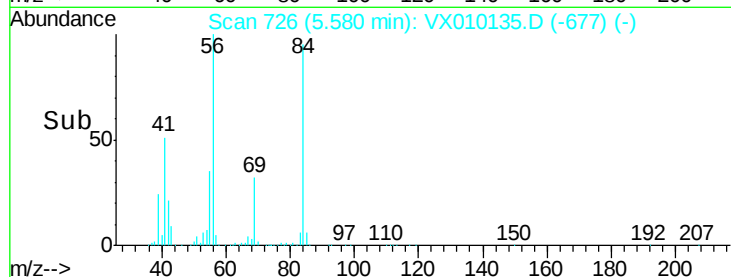
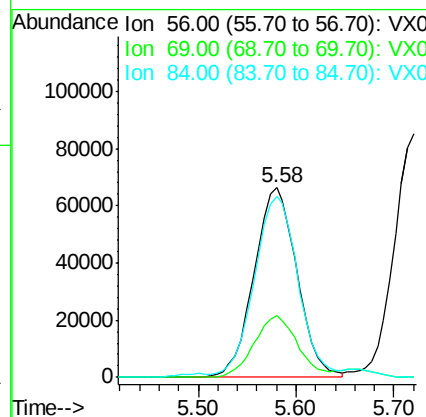
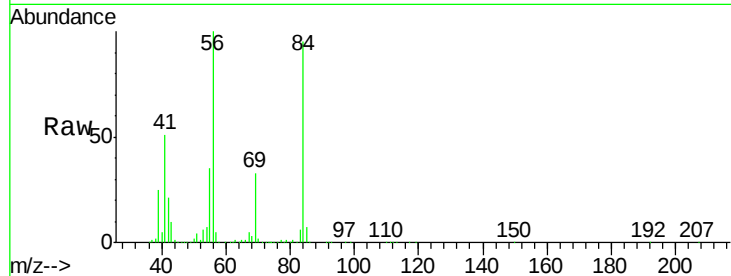
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	21.6	32.4#
84	93.3	56.8	85.2#

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.542 ug/l

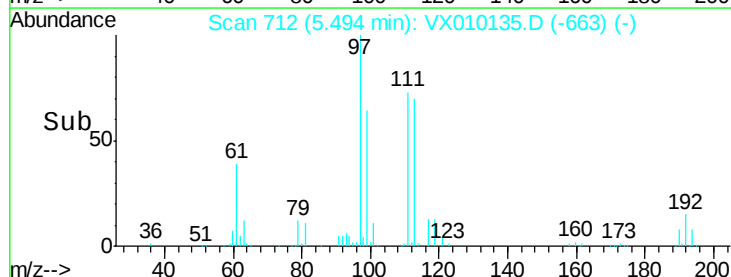
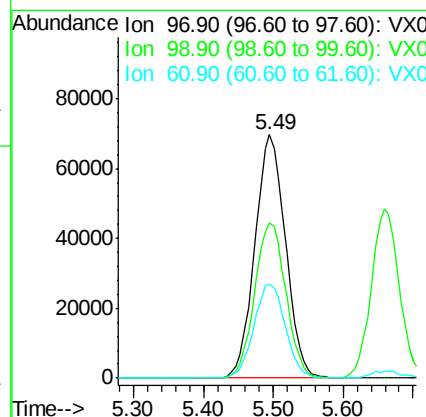
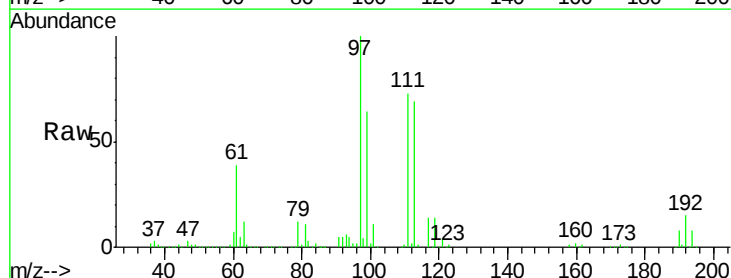
RT: 5.49 min Scan# 712

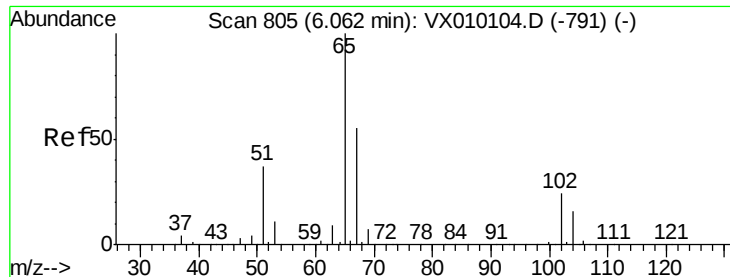
Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.0	76.4
61	39.7	38.7	58.1





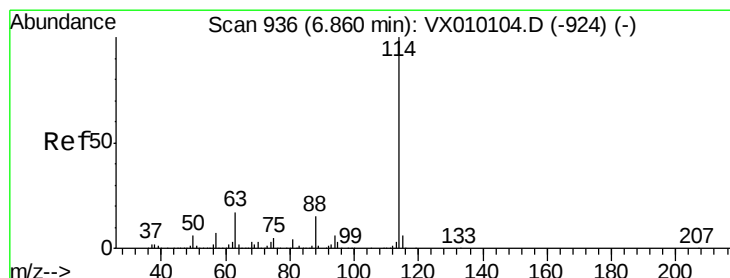
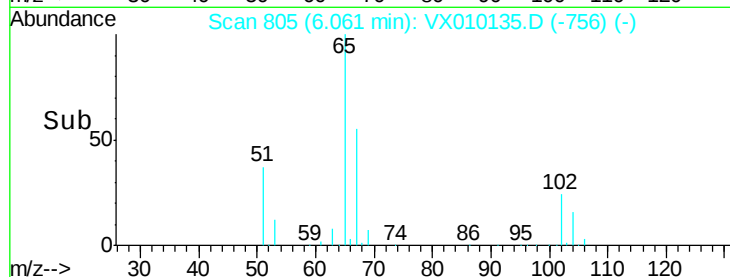
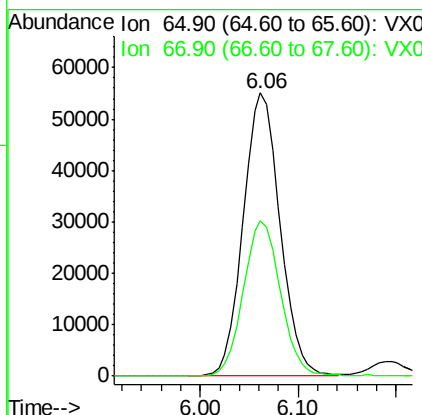
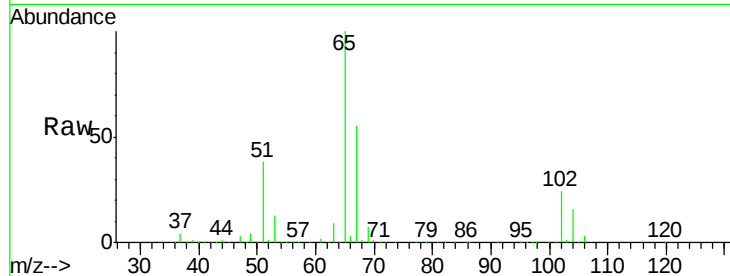
#33
 1,2-Dichloroethane-d4
 Concen: 52.005 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010135.D
 Acq: 08 Jun 2019 01:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.9	0.0	108.4

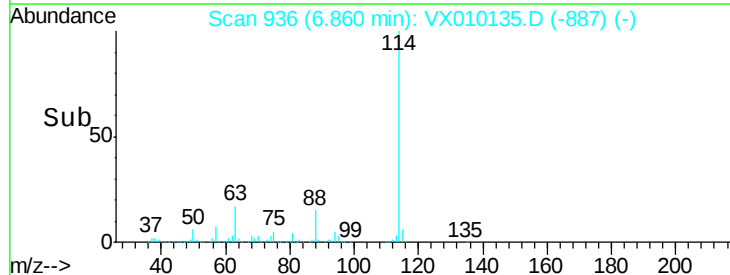
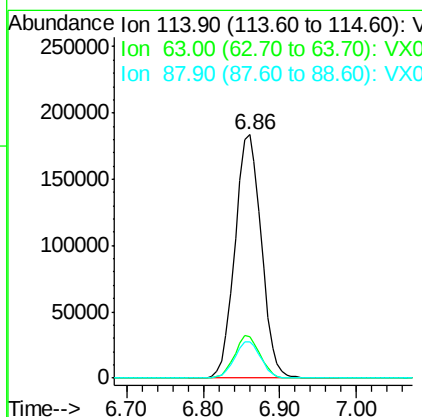
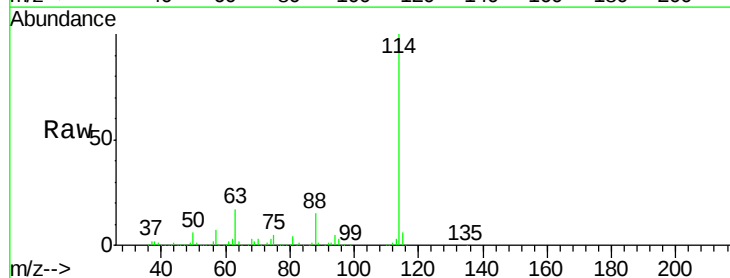
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010135.D
 Acq: 08 Jun 2019 01:37

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.2	0.0	47.4
88	14.7	0.0	33.0





#35

Dibromofluoromethane

Concen: 52.718 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

Instrument :

MSVOA_X

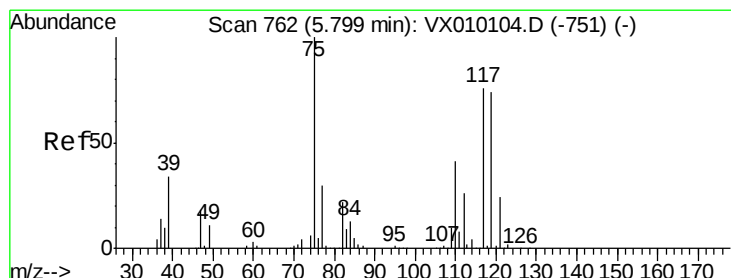
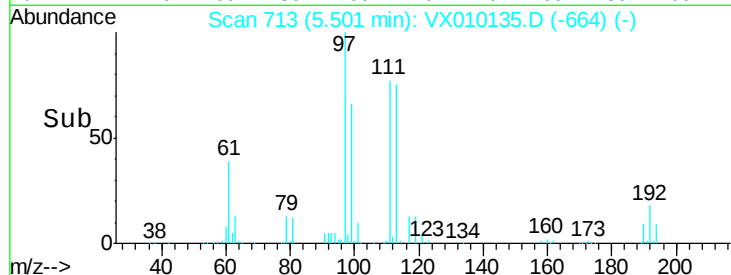
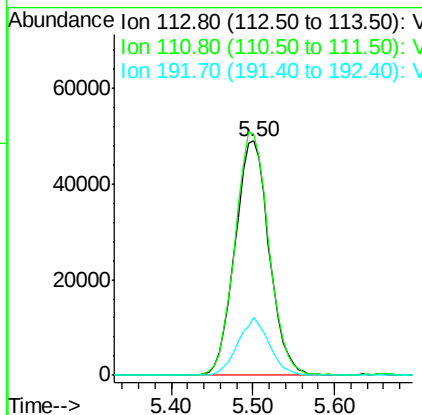
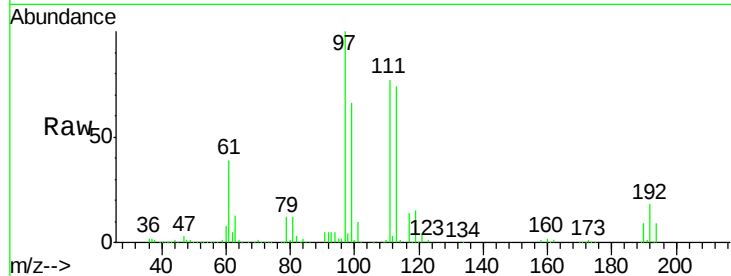
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	142501
Ion Ratio	Lower	Upper	
113	100		
111	102.7	82.2	123.2
192	22.6	17.1	25.7

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#36

1,1-Dichloropropene

Concen: 47.884 ug/l

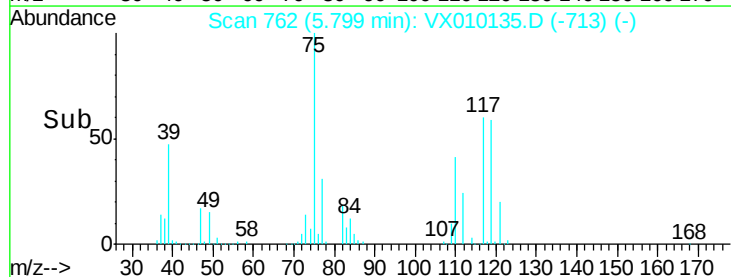
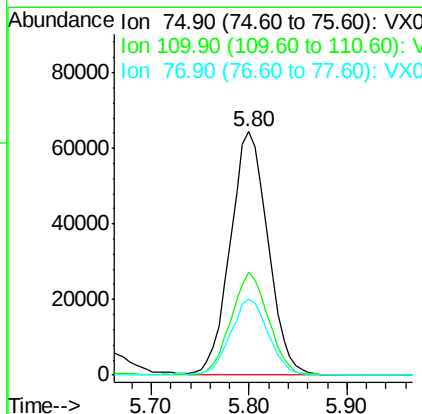
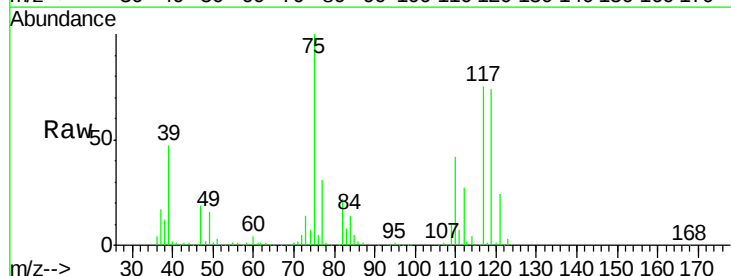
RT: 5.80 min Scan# 762

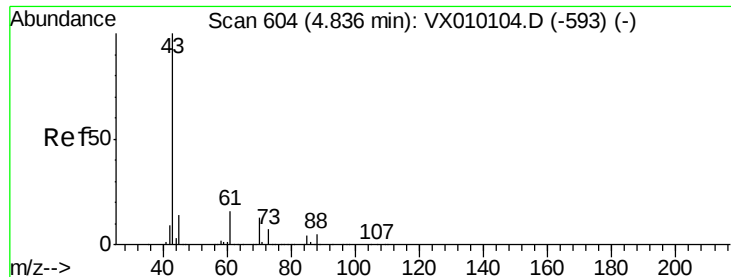
Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

Tgt Ion:	75	Resp:	171199
Ion Ratio	Lower	Upper	
75	100		
110	42.2	16.7	50.1
77	31.8	25.0	37.4





#37

Ethyl Acetate

Concen: 49.384 ug/l

RT: 4.84 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

Instrument :

MSVOA_X

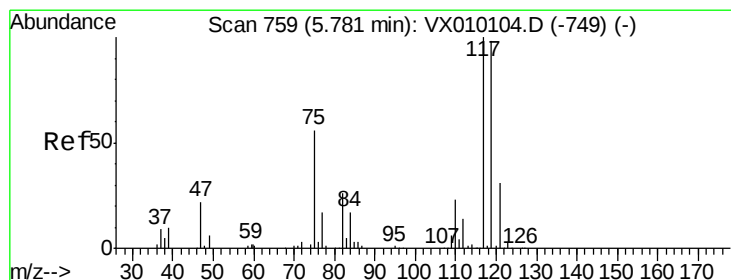
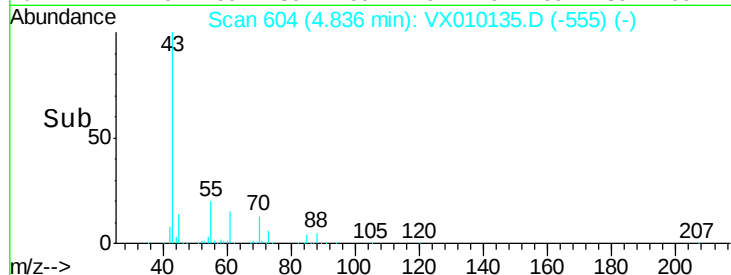
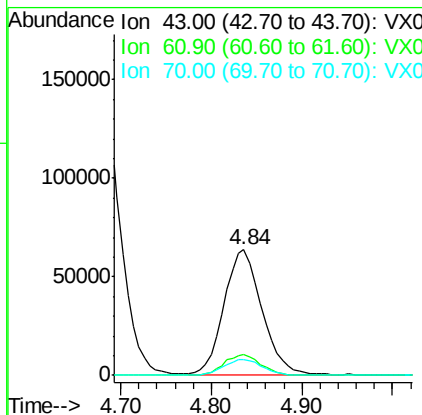
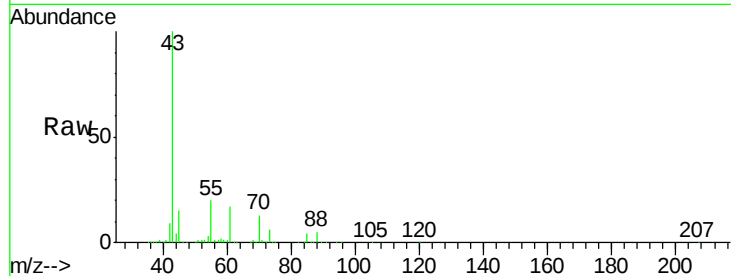
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	183708
Ion	Ratio	Lower	Upper
43	100		
61	16.3	10.2	15.2#
70	13.1	7.4	11.2#

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#38

Carbon Tetrachloride

Concen: 48.261 ug/l

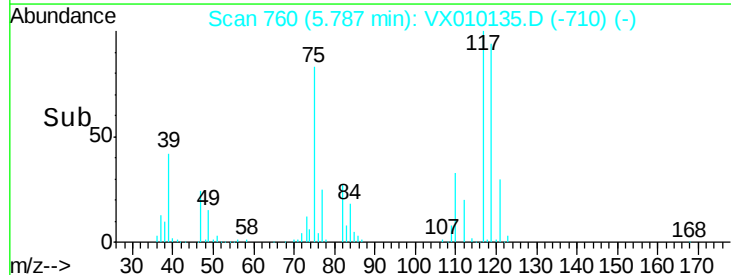
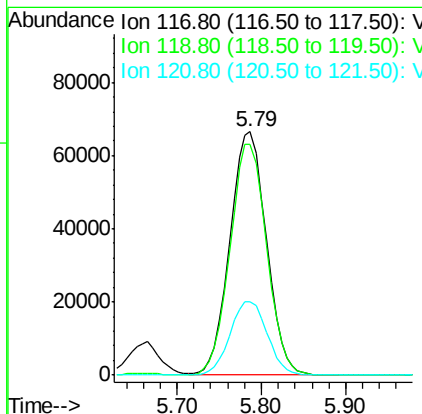
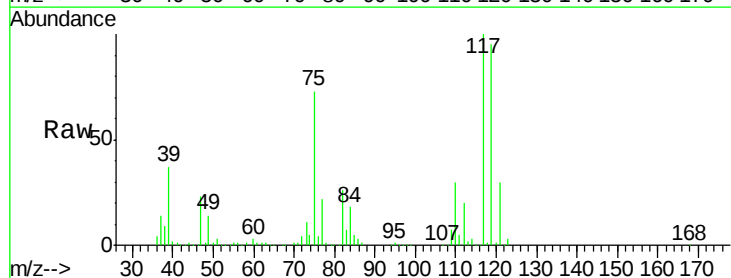
RT: 5.79 min Scan# 760

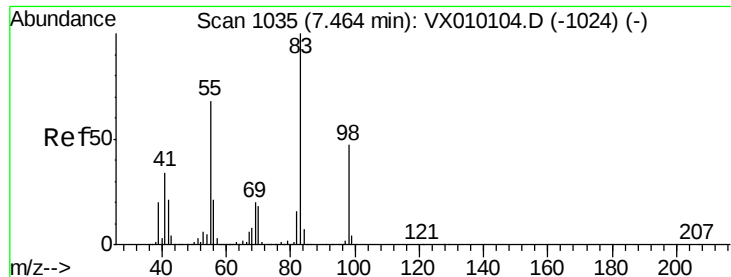
Delta R.T. 0.01 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

Tgt Ion:	117	Resp:	195302
Ion	Ratio	Lower	Upper
117	100		
119	94.3	77.3	115.9
121	30.4	25.4	38.0





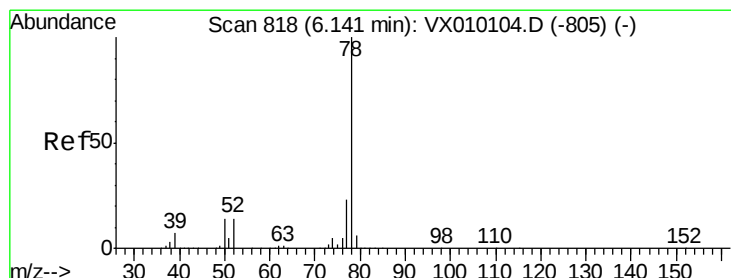
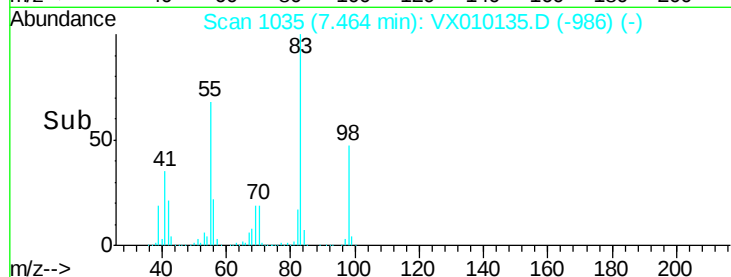
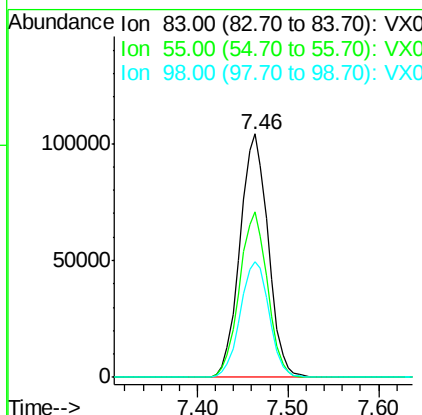
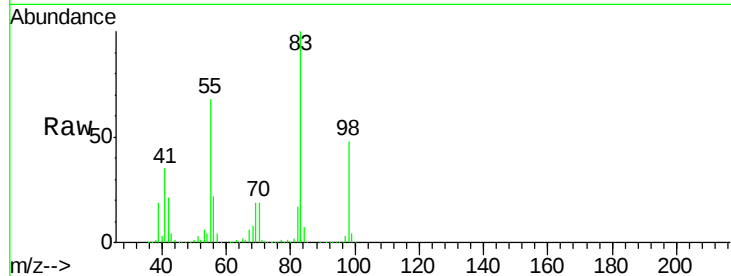
#39
Methylvlcyclohexane
Concen: 46.046 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010135.D
Acq: 08 Jun 2019 01:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.6	69.9	104.9#
98	47.6	35.1	52.7

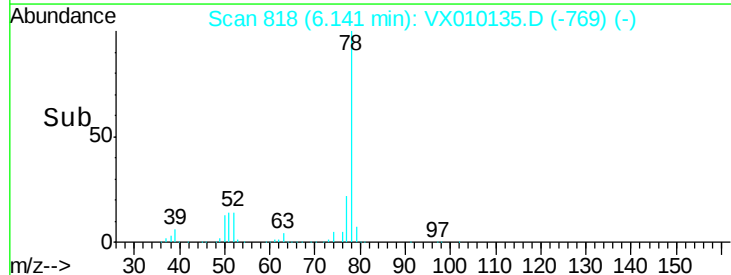
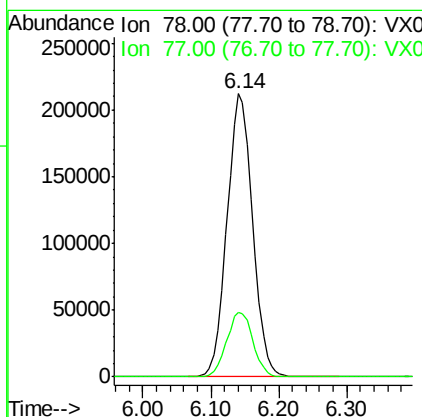
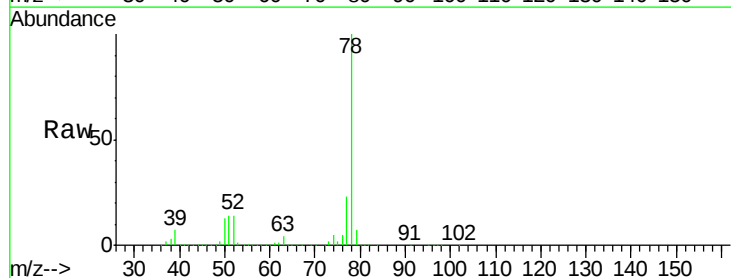
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#40
Benzene
Concen: 49.849 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX010135.D
Acq: 08 Jun 2019 01:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.2	28.8





#41

Methacrylonitrile

Concen: 49.714 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 100038
Ion Ratio Lower Upper

41 100

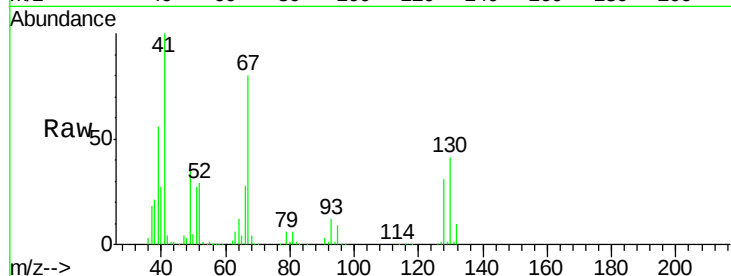
39 55.1 42.2 63.4

67 85.2 48.9 73.3#

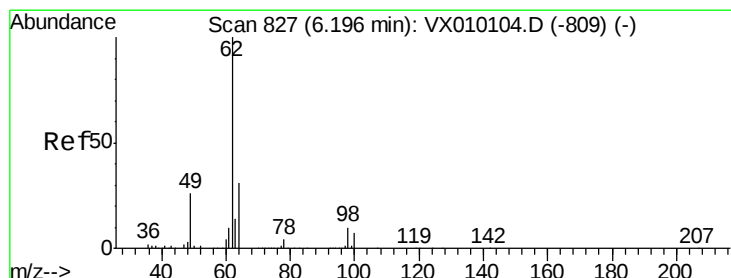
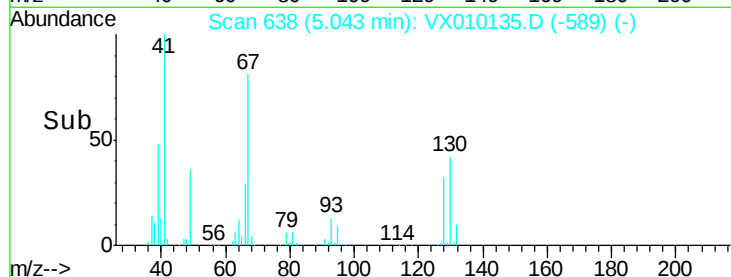
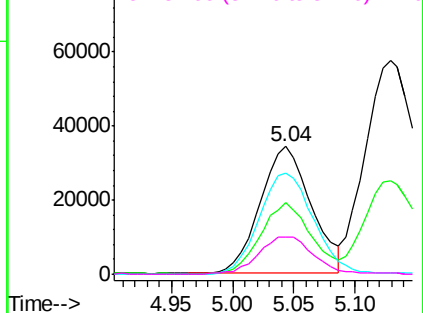
52 31.1 20.1 30.1#

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Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 48.289 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.01 min

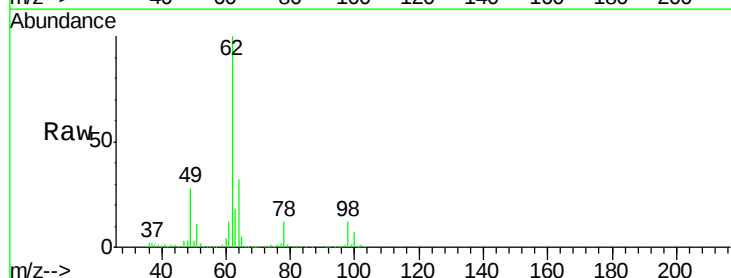
Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

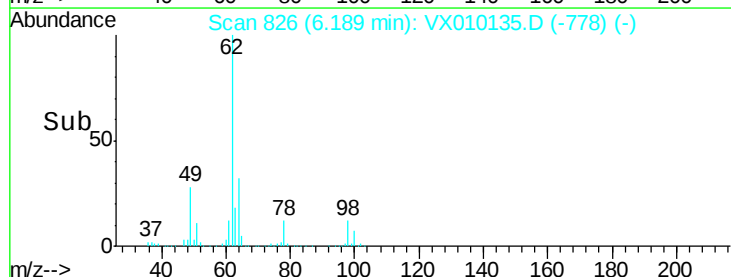
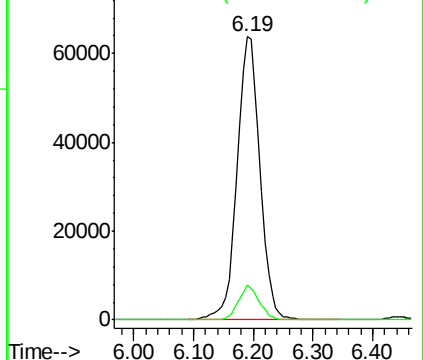
Tgt Ion: 62 Resp: 170434
Ion Ratio Lower Upper

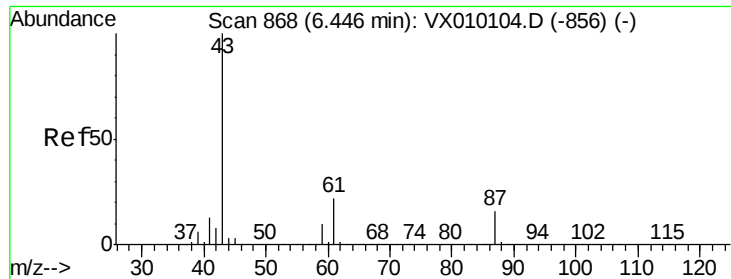
62 100

98 11.1 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

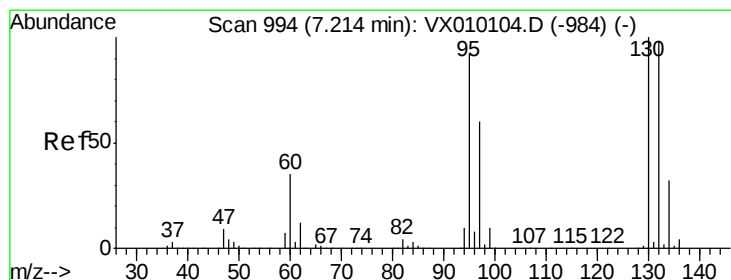
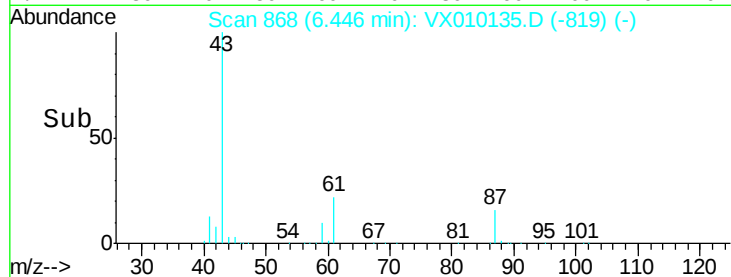
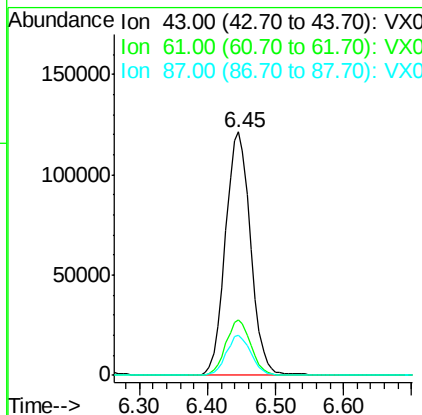
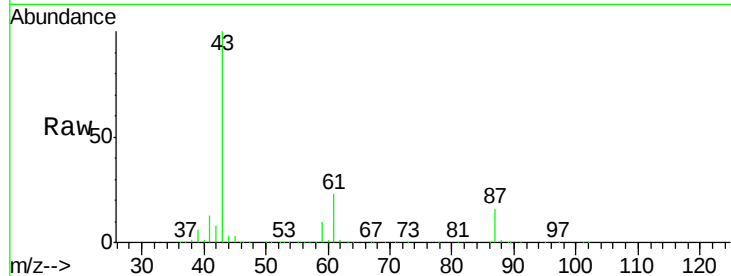
Isopropyl Acetate
 Concen: 49.514 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX010135.D
 Acq: 08 Jun 2019 01:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.8	14.6	21.8#
87	16.2	8.7	13.1#

Manual Integrations
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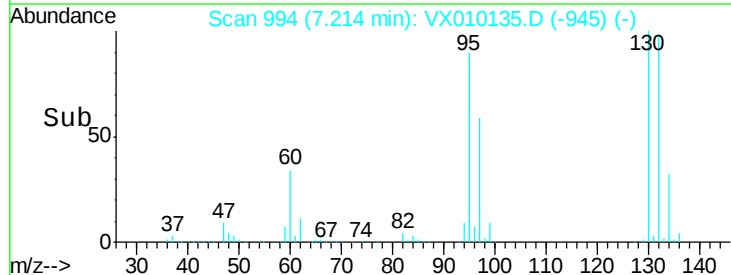
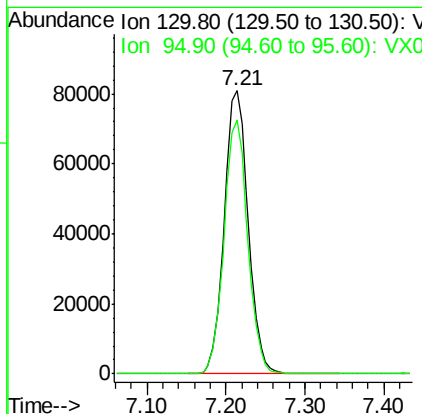
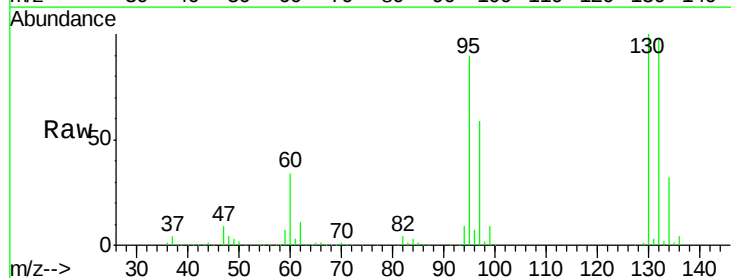
MMDadoda
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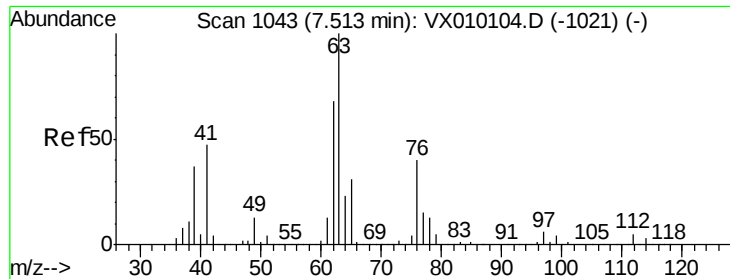


#44

Trichloroethene
 Concen: 51.313 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX010135.D
 Acq: 08 Jun 2019 01:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.8	0.0	207.4





#45

1,2-Dichloropropane

Concen: 50.168 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 138819

Ion Ratio Lower Upper

63 100

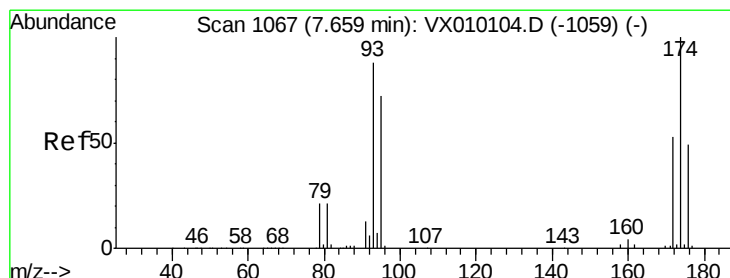
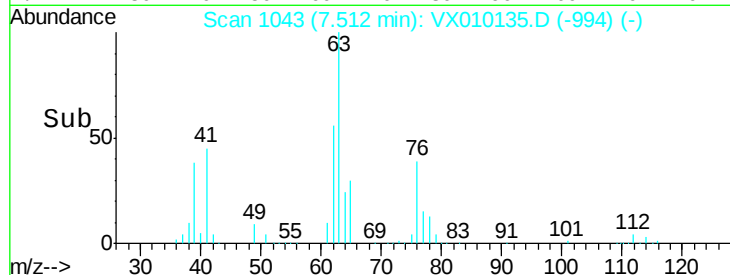
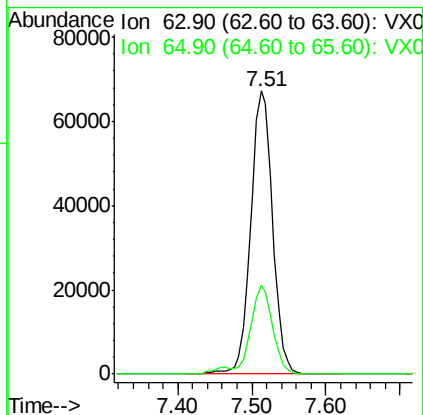
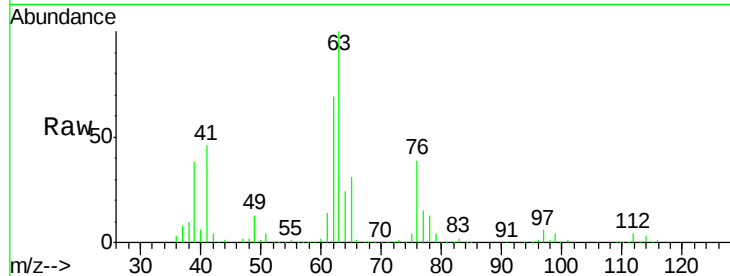
65 31.2 25.7 38.5

Manual Integrations

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#46

Dibromomethane

Concen: 47.246 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

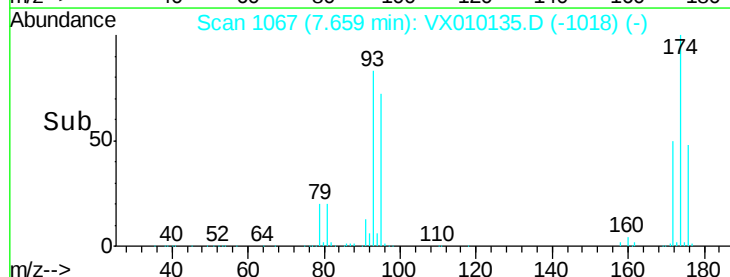
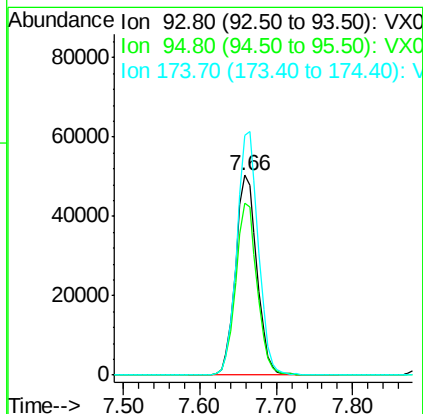
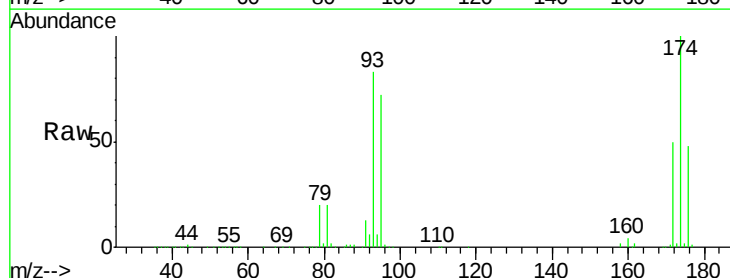
Tgt Ion: 93 Resp: 97944

Ion Ratio Lower Upper

93 100

95 85.4 66.8 100.2

174 121.3 81.9 122.9





#47

Bromodichloromethane

Concen: 49.035 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

Instrument :

MSVOA_X

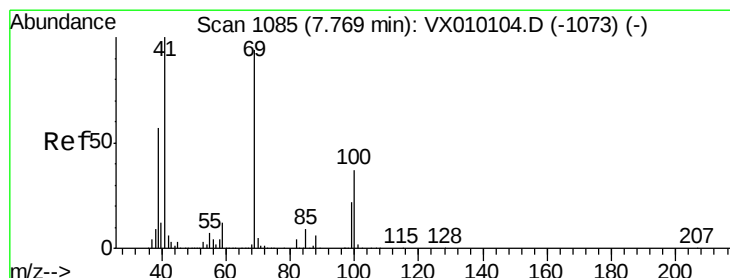
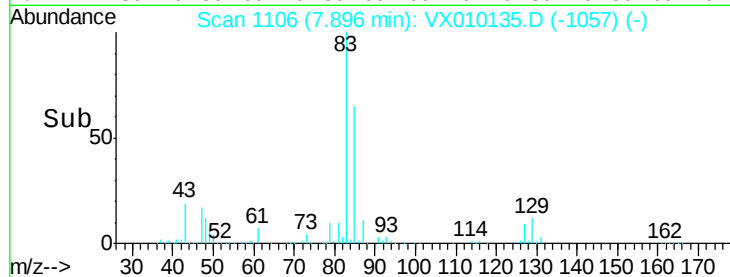
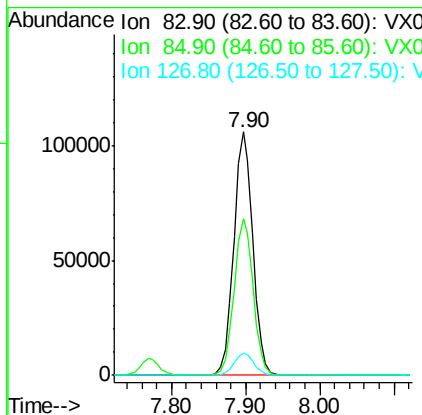
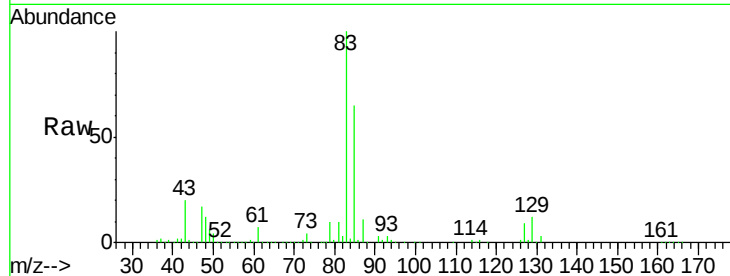
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	189945
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.4	77.2
127	9.0	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.524 ug/l

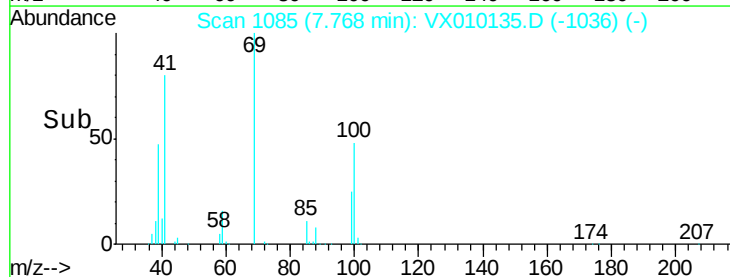
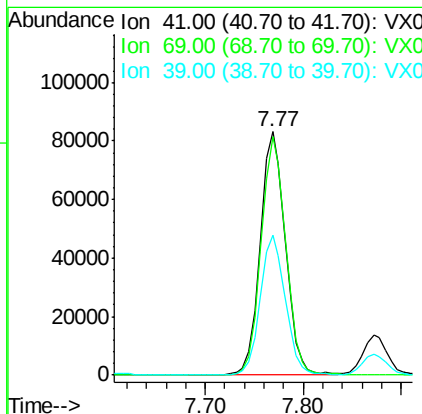
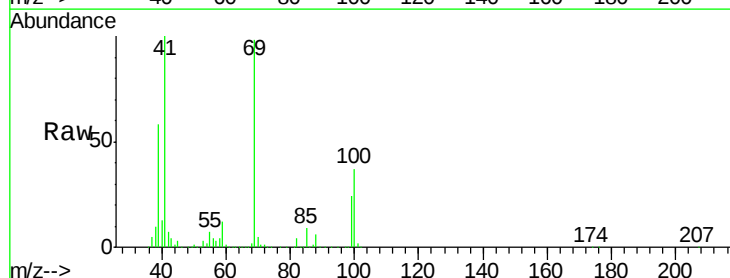
RT: 7.77 min Scan# 1085

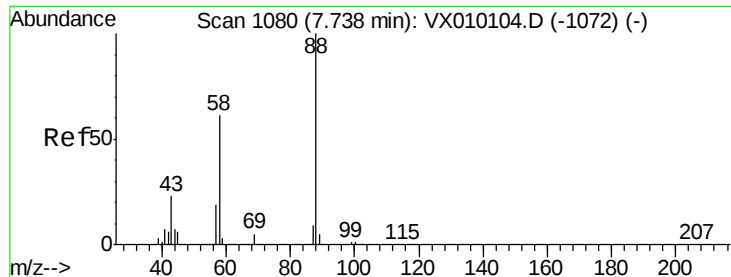
Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

Tgt Ion:	41	Resp:	146965
Ion	Ratio	Lower	Upper
41	100		
69	96.8	56.4	84.6#
39	57.6	40.6	60.8





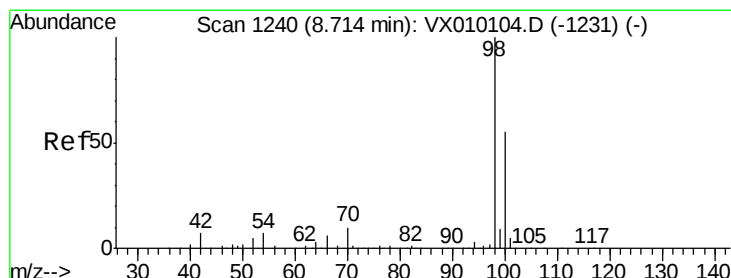
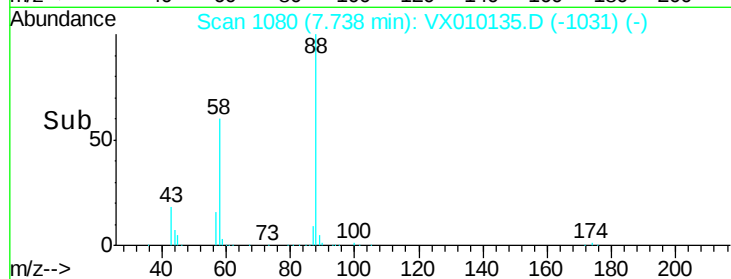
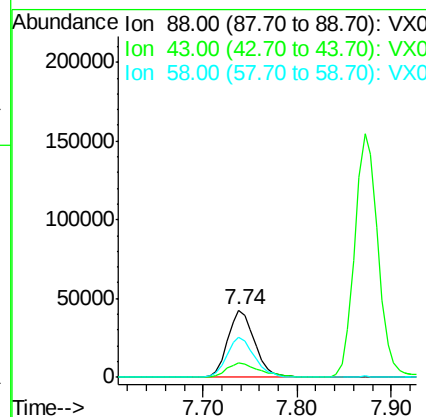
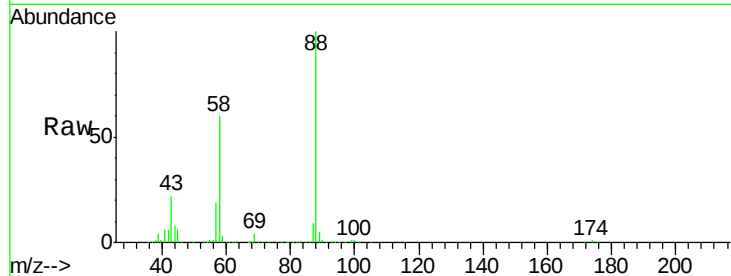
#49
1,4-Dioxane
Concen: 1009.071 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX010135.D
Acq: 08 Jun 2019 01:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.0	30.2	45.4#
58	61.8	64.0	96.0#

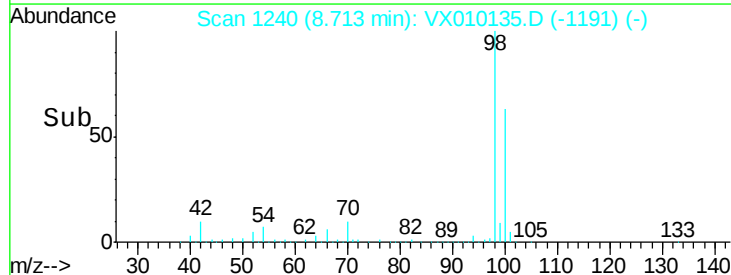
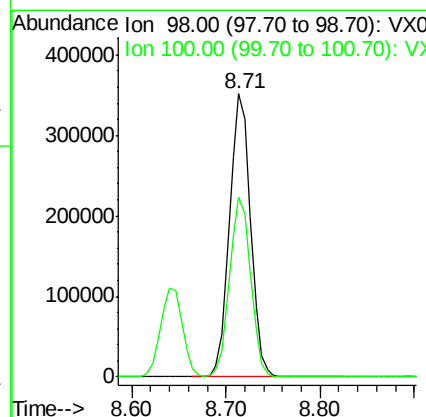
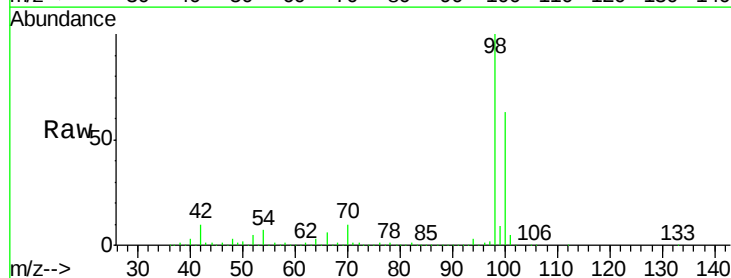
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#50
Toluene-d8
Concen: 53.638 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010135.D
Acq: 08 Jun 2019 01:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.5	77.3





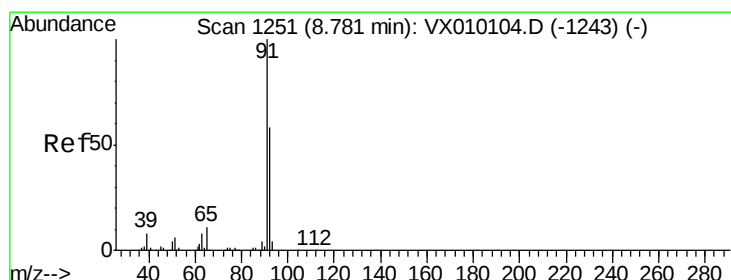
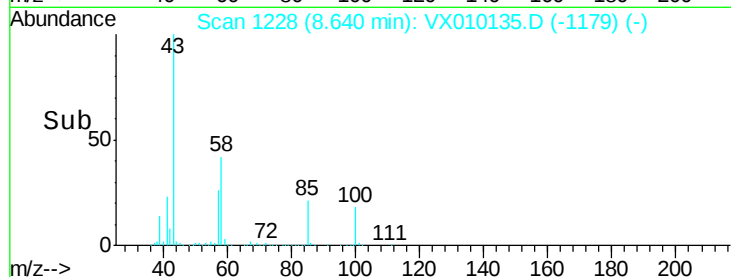
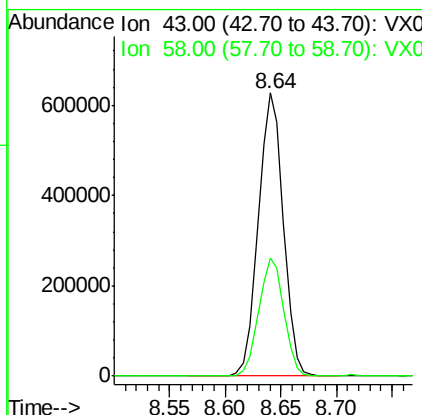
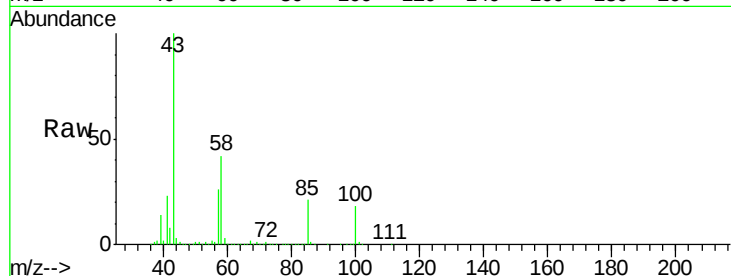
#51
4-Methyl-2-Pentanone
Concen: 263.960 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX010135.D
Acq: 08 Jun 2019 01:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	980797
Ion Ratio	100	Lower	Upper
43	100		
58	41.9	28.8	43.2

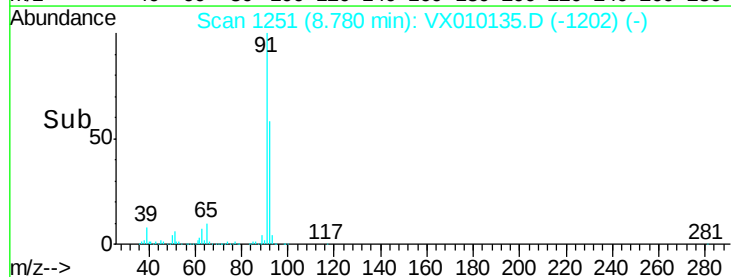
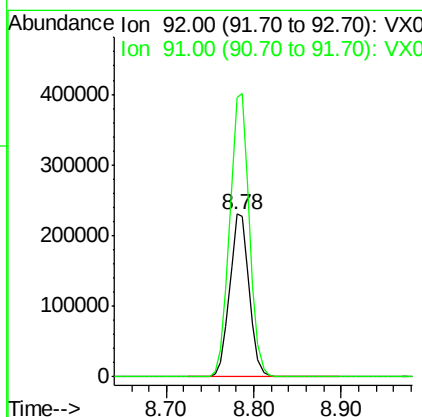
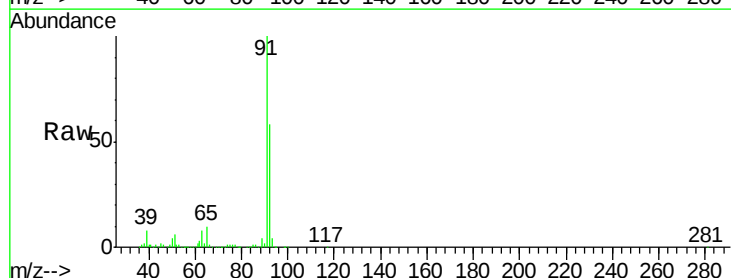
Manual Integrations
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#52
Toluene
Concen: 49.157 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VX010135.D
Acq: 08 Jun 2019 01:37

Tgt Ion	92	Resp	357237
Ion Ratio	100	Lower	Upper
92	100		
91	175.5	139.9	209.9





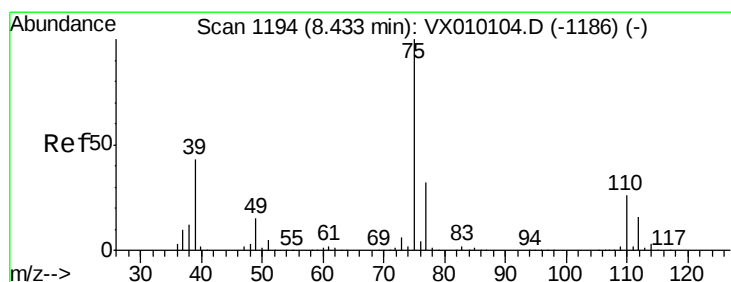
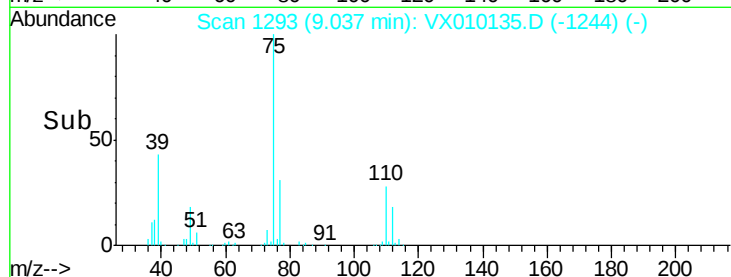
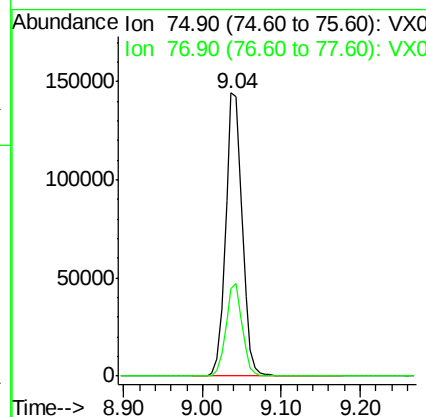
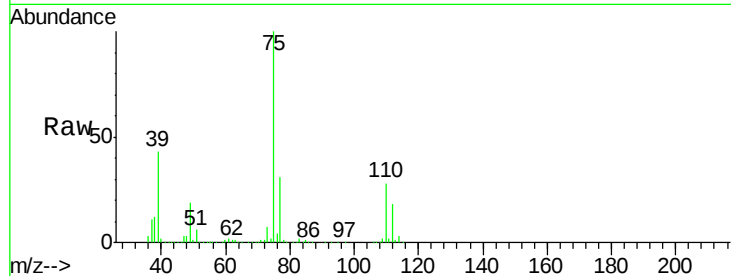
#53
t-1,3-Dichloropropene
Concen: 46.904 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VX010135.D
Acq: 08 Jun 2019 01:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 210157
Ion Ratio Lower Upper
75 100
77 31.0 24.6 36.8

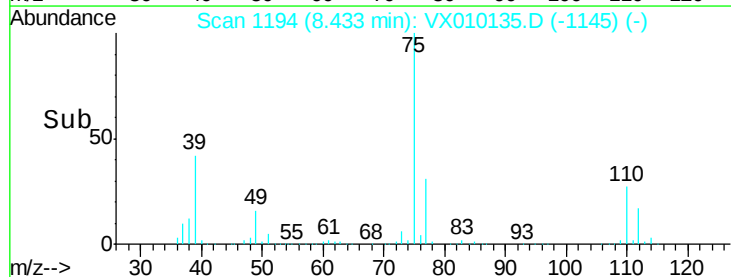
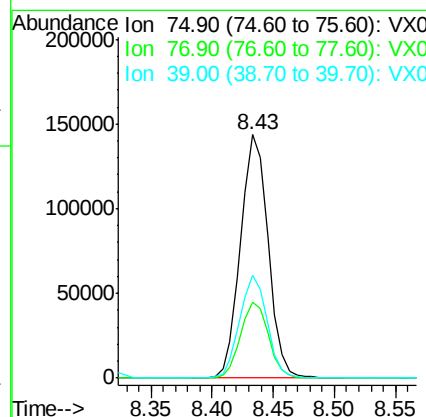
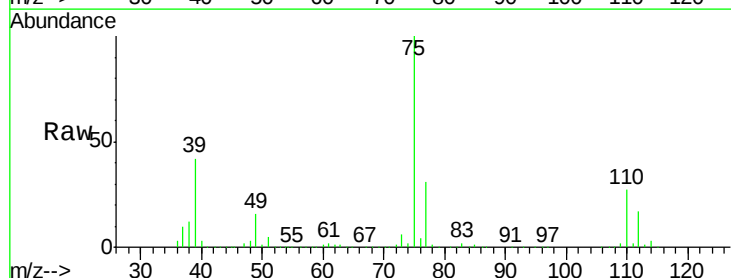
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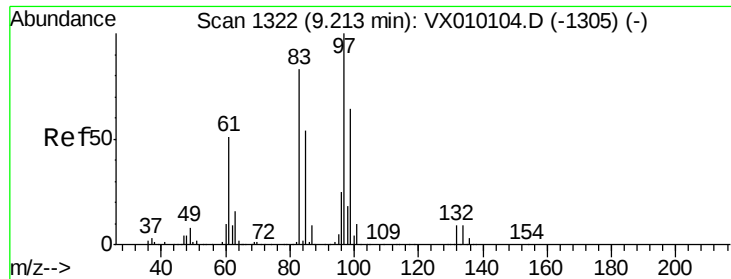
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#54
cis-1,3-Dichloropropene
Concen: 46.697 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX010135.D
Acq: 08 Jun 2019 01:37

Tgt Ion: 75 Resp: 224307
Ion Ratio Lower Upper
75 100
77 31.0 24.8 37.2
39 42.3 43.4 65.0#





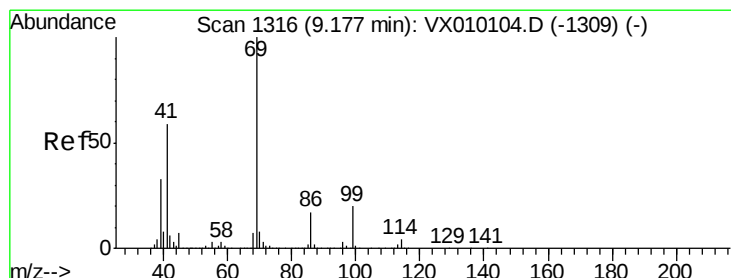
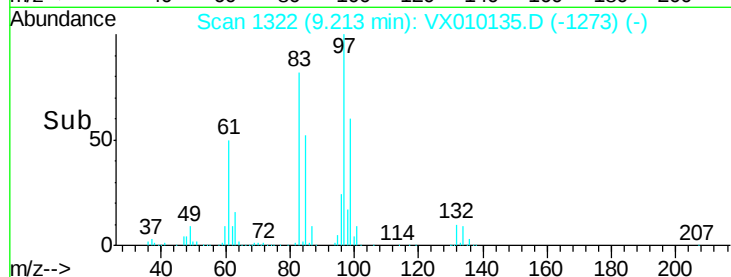
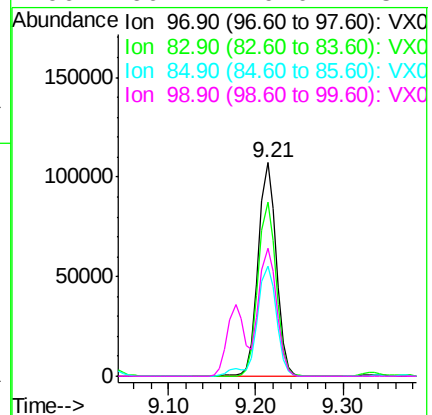
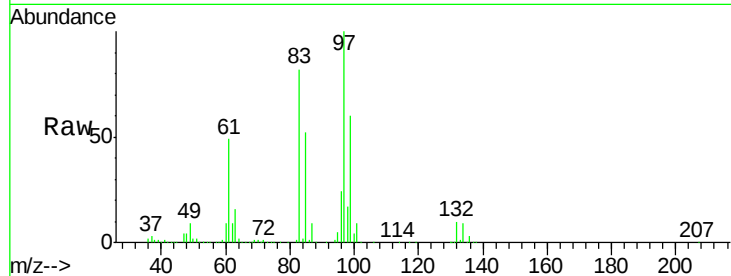
#55
 1,1,2-Trichloroethane
 Concen: 51.352 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010135.D
 Acq: 08 Jun 2019 01:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		152836		
83	81.7	69.8	104.8		
85	51.8	45.3	67.9		
99	60.2	49.0	73.4		

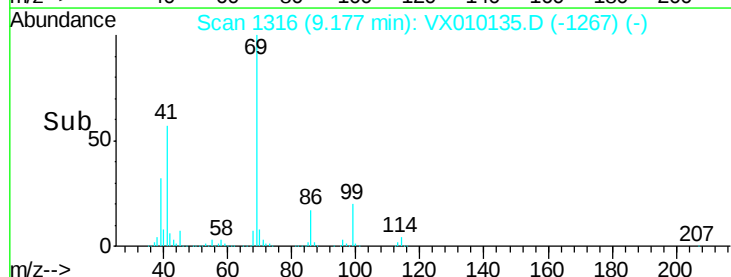
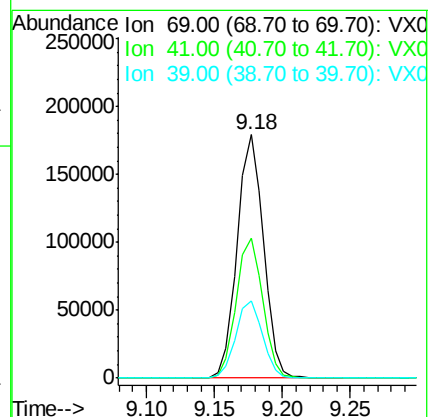
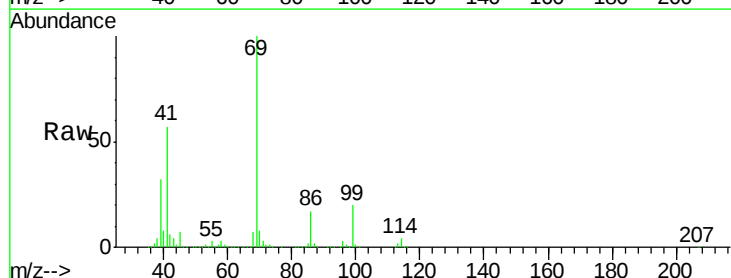
Manual Integrations
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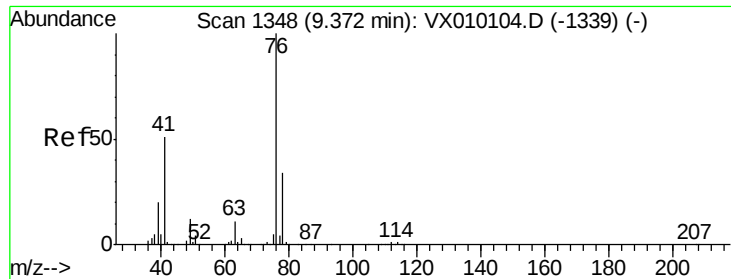
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 6/10/2019 10:53:06 AM



#56
 Ethyl methacrylate
 Concen: 51.390 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX010135.D
 Acq: 08 Jun 2019 01:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		241608		
41	58.1	62.7	94.1#		
39	32.3	29.5	44.3		





#57

1,3-Dichloropropane

Concen: 49.557 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 232207

Ion Ratio Lower Upper

76 100

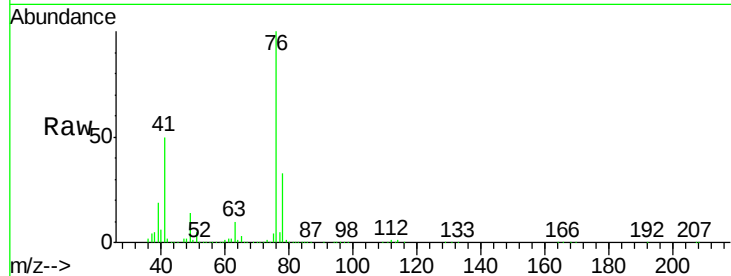
78 33.0 25.4 38.0

Manual Integrations

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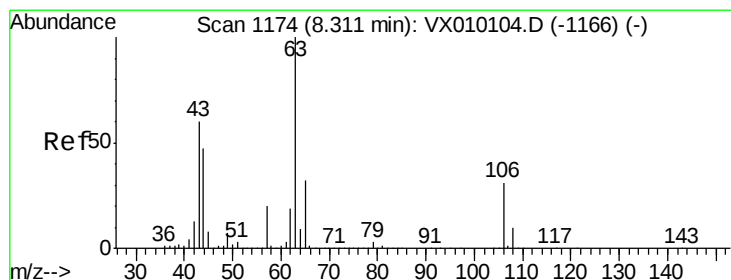
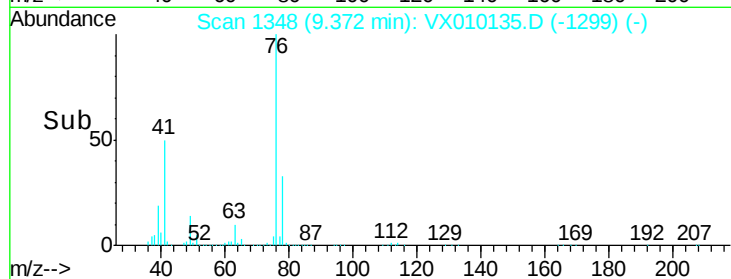
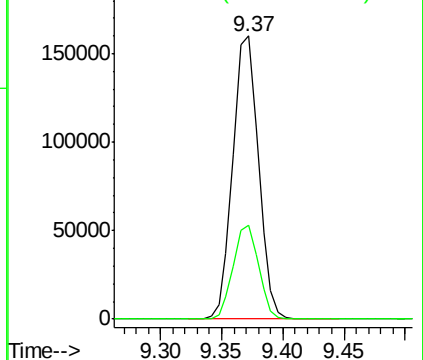
MMDadoda

6/10/2019 10:53:06 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 244.613 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX010135.D

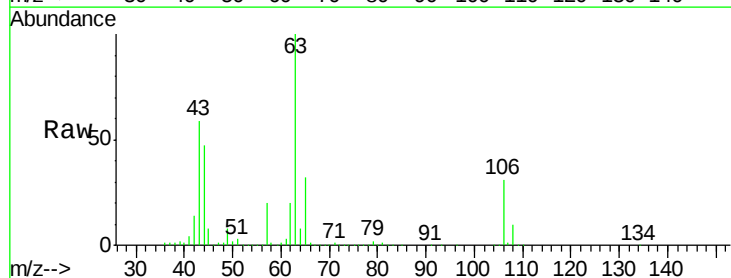
Acq: 08 Jun 2019 01:37

Tgt Ion: 63 Resp: 542156

Ion Ratio Lower Upper

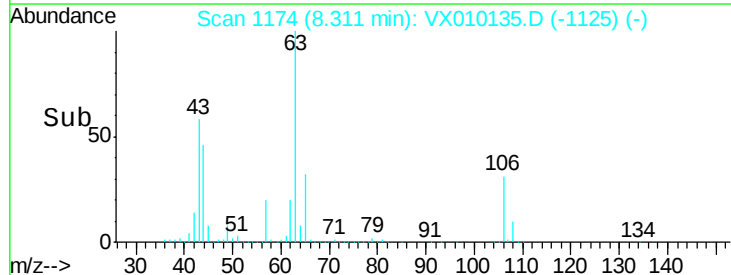
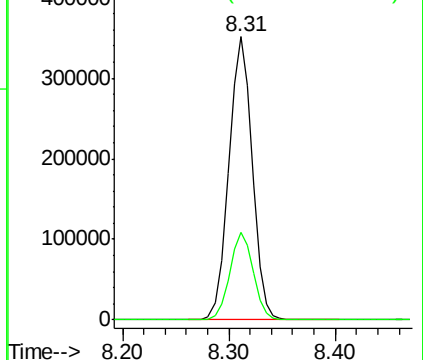
63 100

106 31.0 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





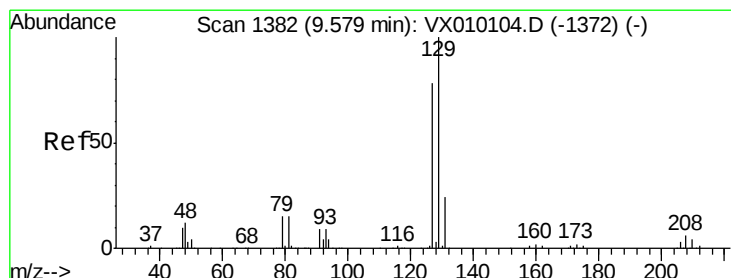
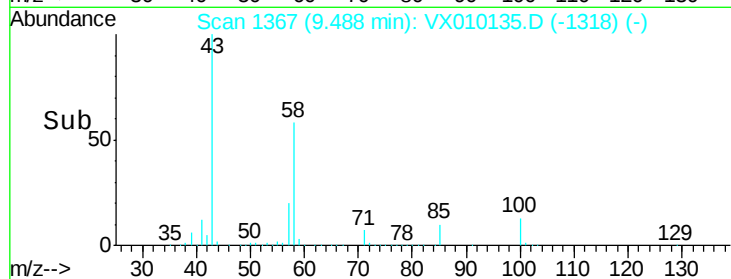
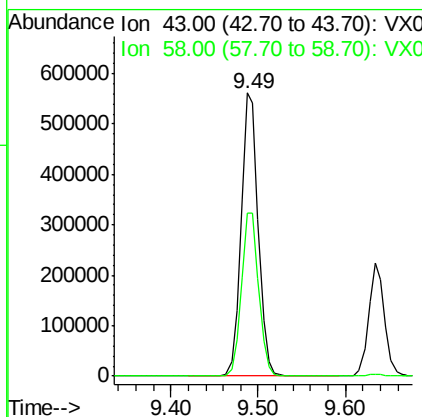
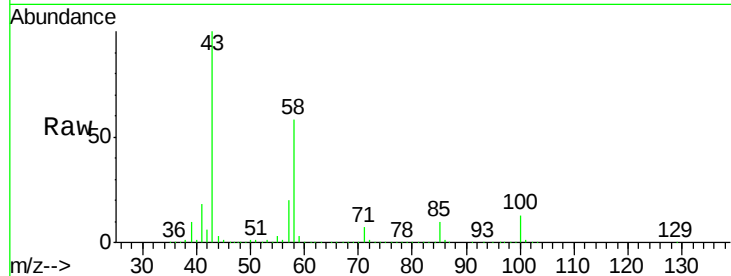
#59
2-Hexanone
Concen: 257.289 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010135.D
Acq: 08 Jun 2019 01:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 762237
Ion Ratio Lower Upper
43 100
58 58.9 25.1 75.3

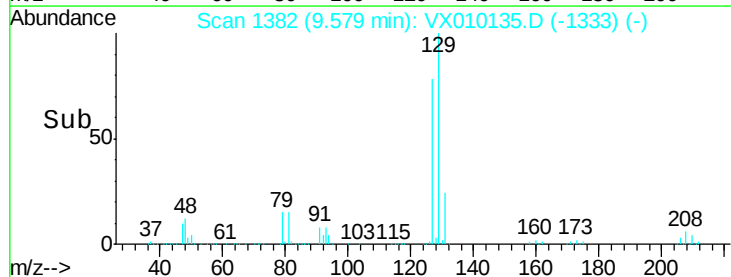
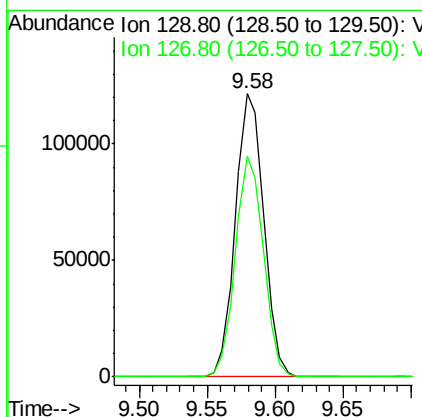
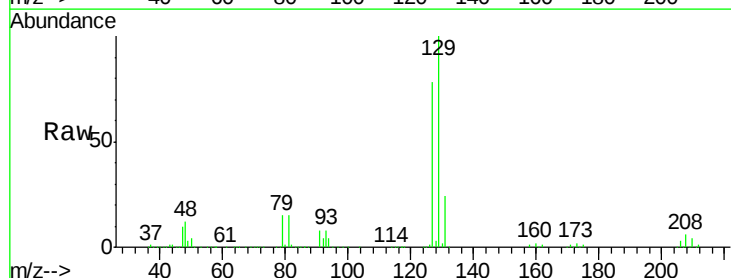
Manual Integrations
APPROVED

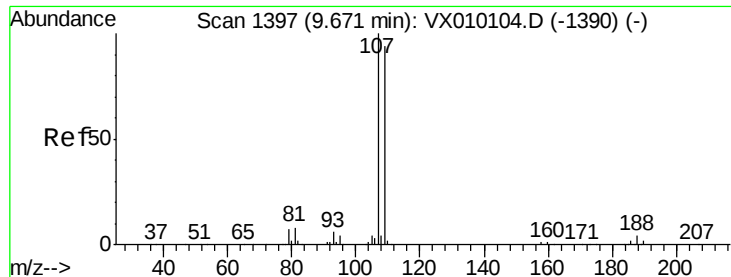
MMDadoda
6/10/2019 10:53:06 AM



#60
Dibromochloromethane
Concen: 50.302 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010135.D
Acq: 08 Jun 2019 01:37

Tgt Ion: 129 Resp: 177083
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.5





#61

1,2-Dibromoethane

Concen: 49.989 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 165705

Ion Ratio Lower Upper

107 100

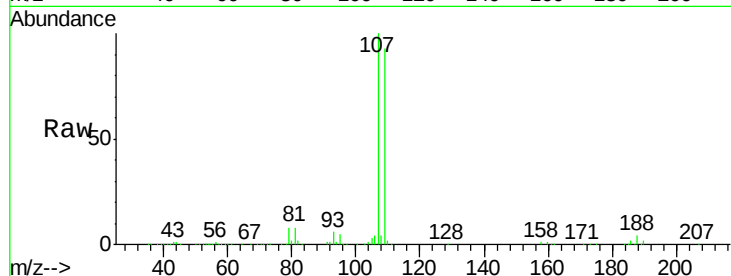
109 93.7 75.4 113.2

Manual Integrations

APPROVED

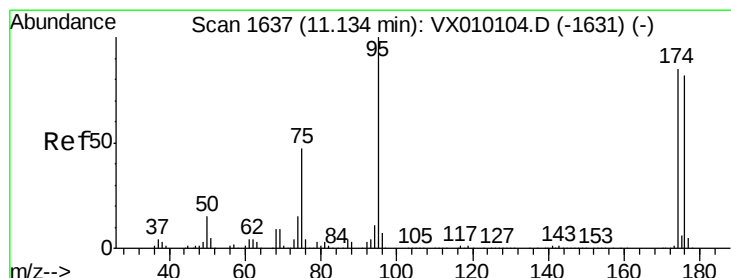
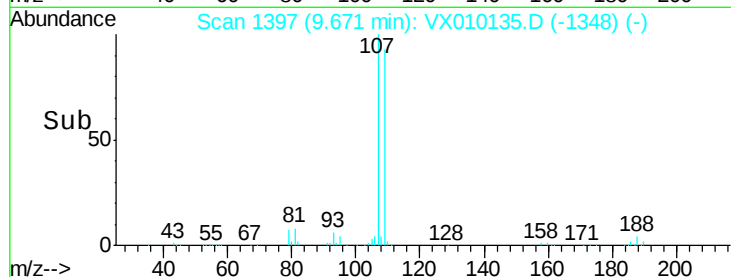
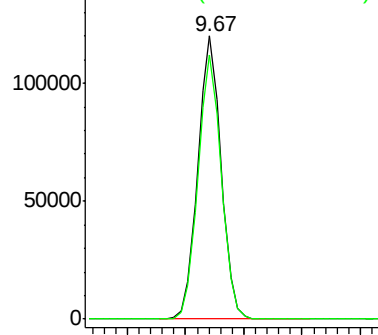
MMDadoda

6/10/2019 10:53:06 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.412 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

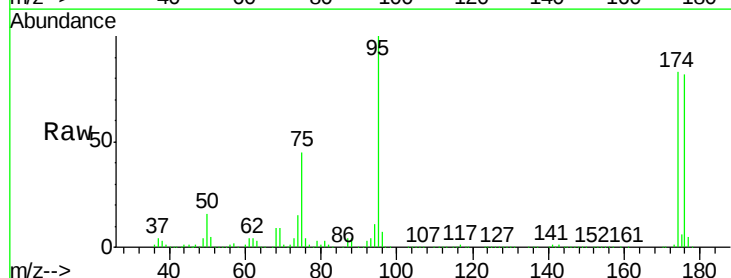
Tgt Ion: 95 Resp: 202083

Ion Ratio Lower Upper

95 100

174 90.1 0.0 160.4

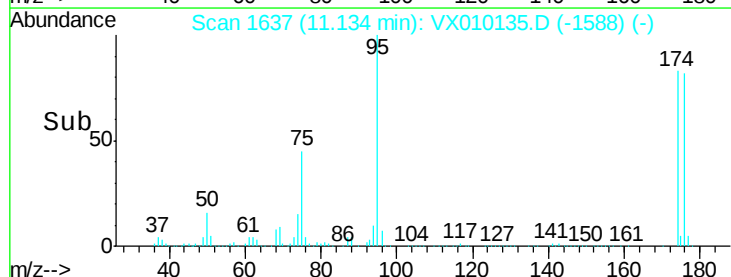
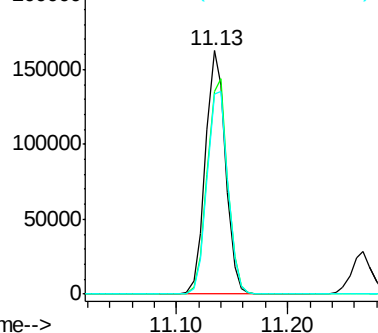
176 87.5 0.0 154.6

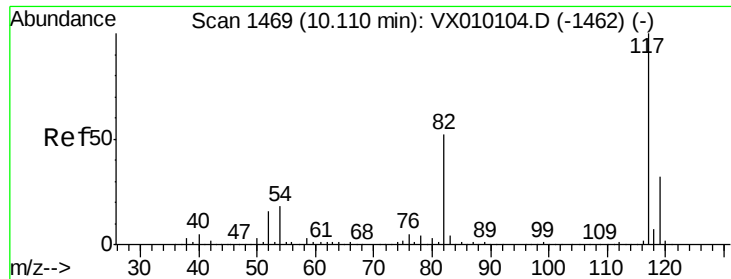


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





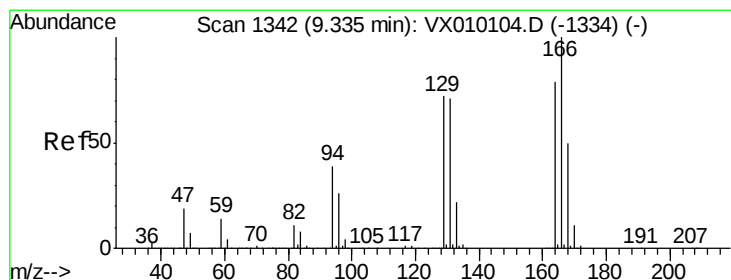
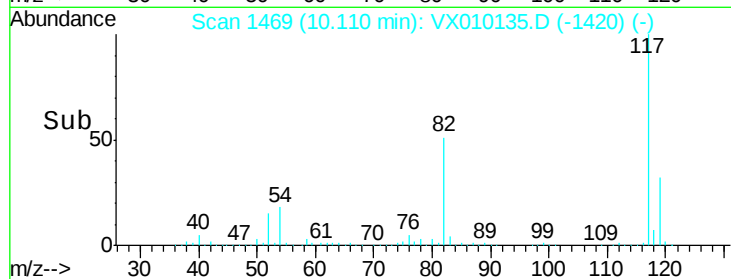
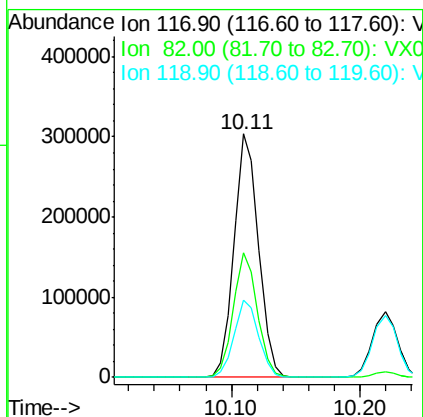
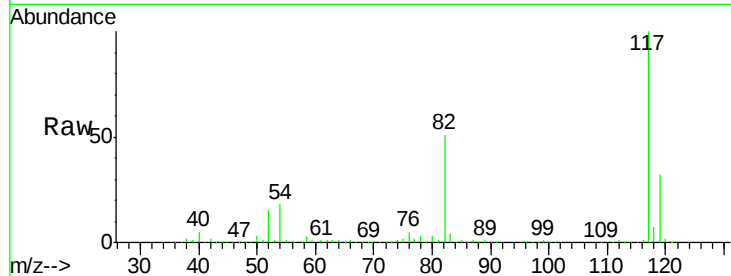
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010135.D
Acq: 08 Jun 2019 01:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	49.2	73.8
119	31.9	25.2	37.8

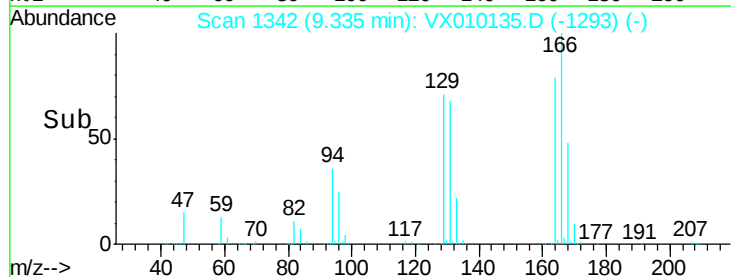
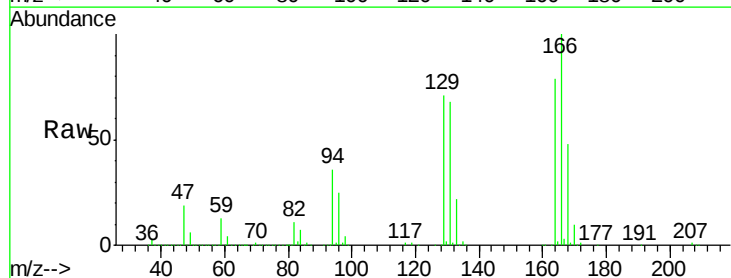
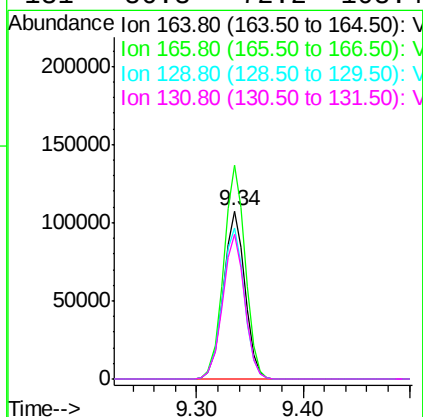
Manual Integrations
APPROVED

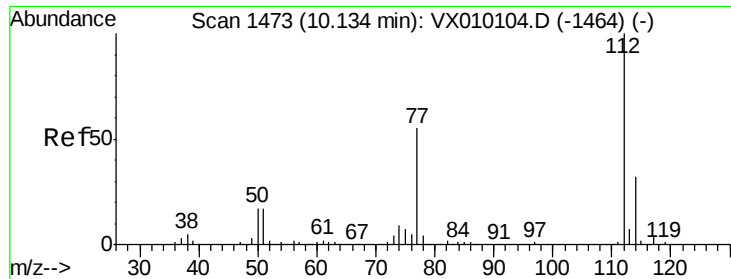
MMDadoda
6/10/2019 10:53:06 AM



#64
Tetrachloroethene
Concen: 50.659 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010135.D
Acq: 08 Jun 2019 01:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	105.0	157.4
129	90.3	75.1	112.7
131	86.3	72.2	108.4





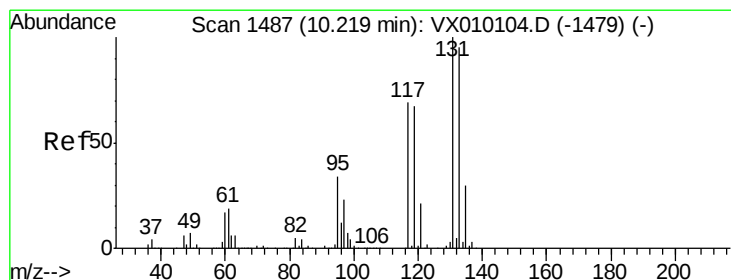
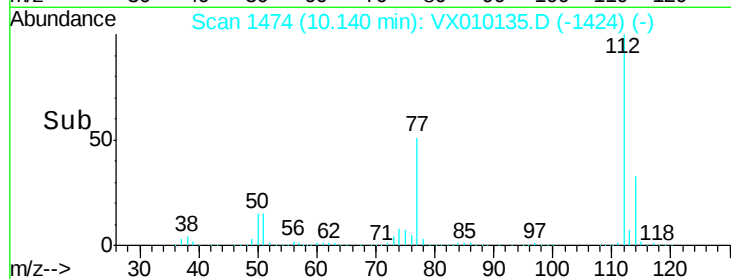
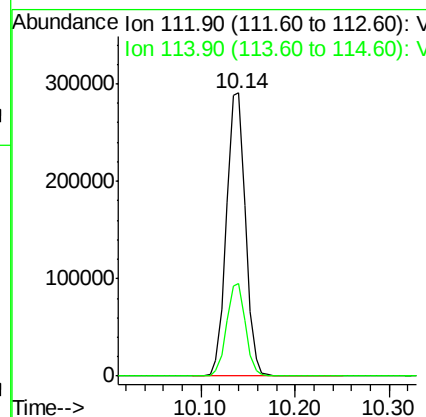
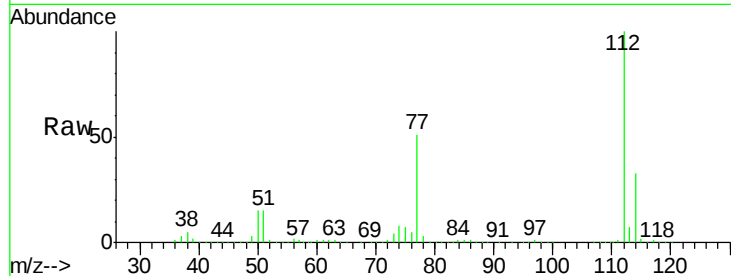
#65
Chlorobenzene
Concen: 48.879 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX010135.D
Acq: 08 Jun 2019 01:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 406738
Ion Ratio Lower Upper
112 100
114 32.7 25.8 38.8

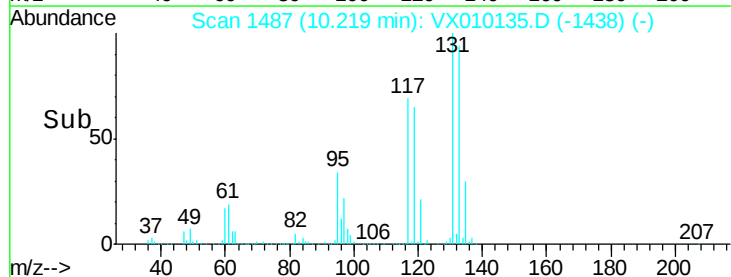
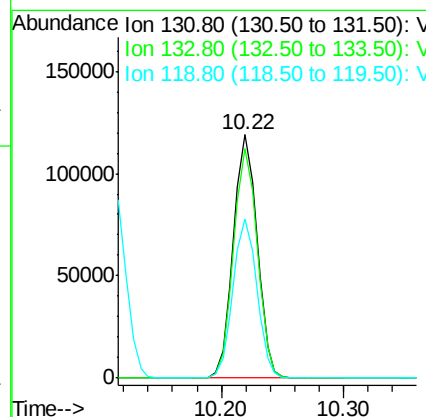
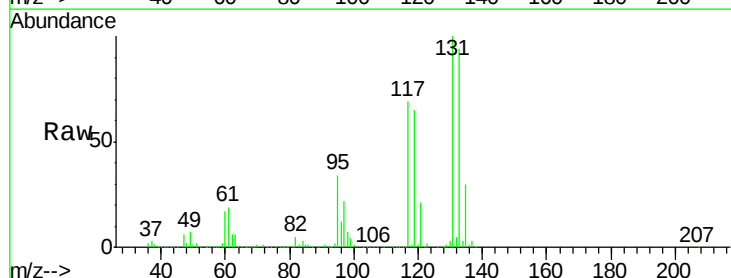
Manual Integrations
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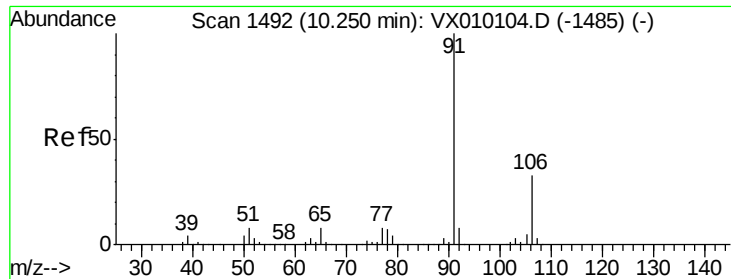
MMDadoda
6/10/2019 10:53:06 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.927 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX010135.D
Acq: 08 Jun 2019 01:37

Tgt Ion:131 Resp: 159771
Ion Ratio Lower Upper
131 100
133 94.3 47.5 142.6
119 65.7 33.4 100.1





#67

Ethyl Benzene

Concen: 49.081 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 695271

Ion Ratio Lower Upper

91 100

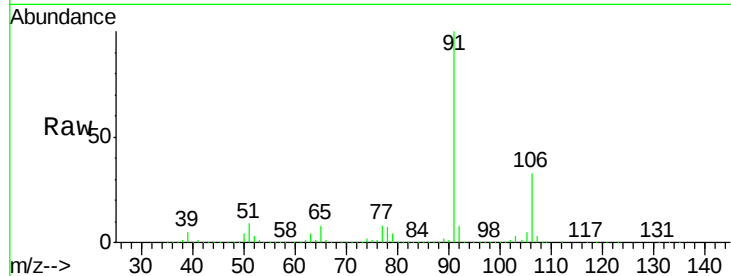
106 32.6 23.9 35.9

Manual Integrations

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6/10/2019 10:53:06 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

800000

600000

400000

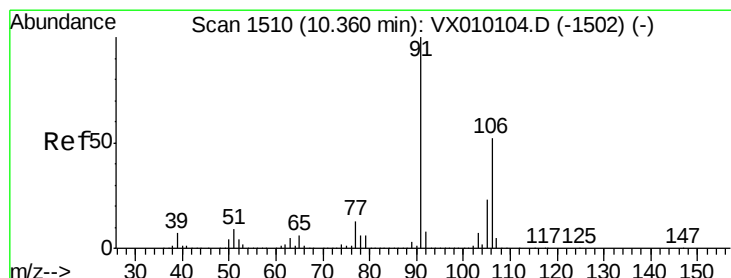
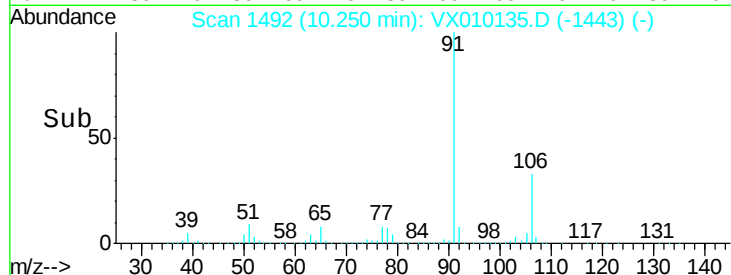
200000

0

10.20

10.30

Time-->



#68

m/p-Xylenes

Concen: 98.907 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX010135.D

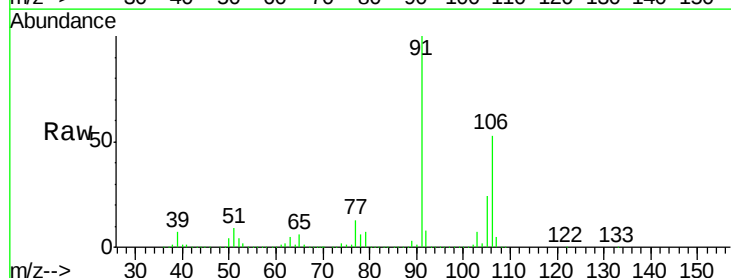
Acq: 08 Jun 2019 01:37

Tgt Ion: 106 Resp: 542183

Ion Ratio Lower Upper

106 100

91 193.4 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

800000

600000

400000

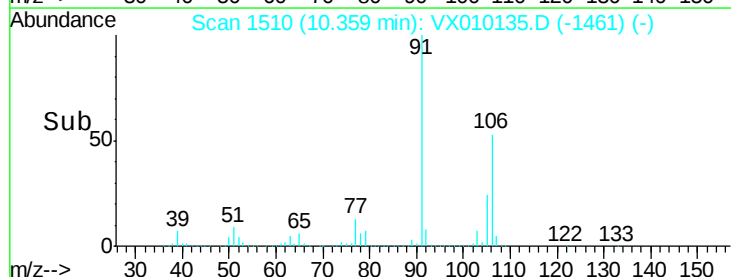
200000

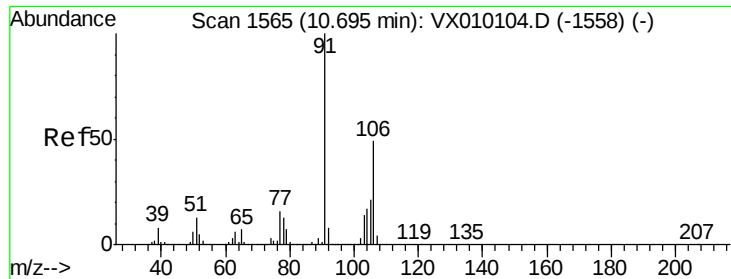
0

10.30

10.40

Time-->





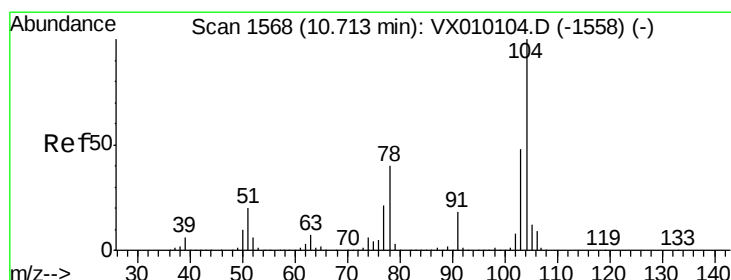
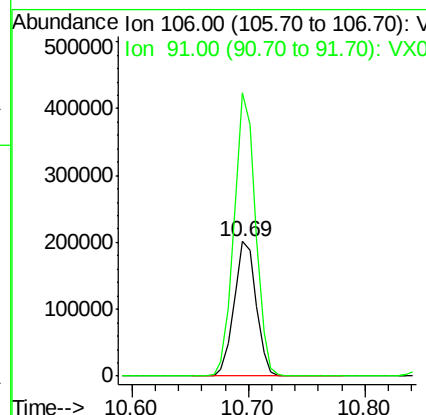
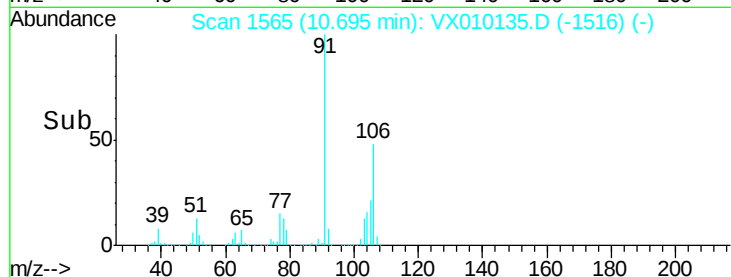
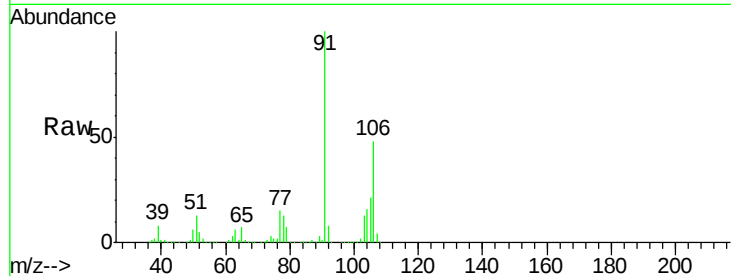
#69
o-Xylene
Concen: 48.767 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010135.D
Acq: 08 Jun 2019 01:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	204.6	110.4	331.2

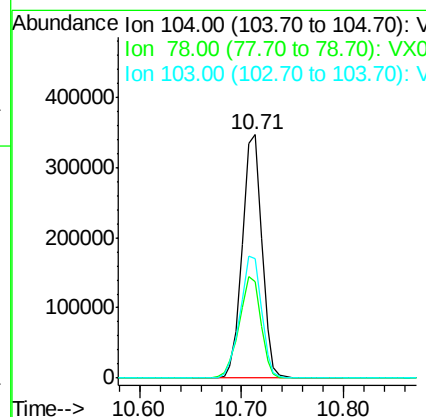
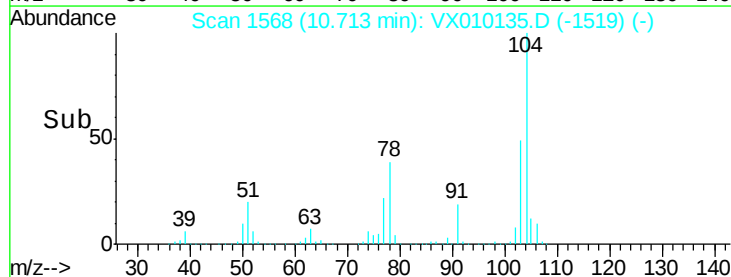
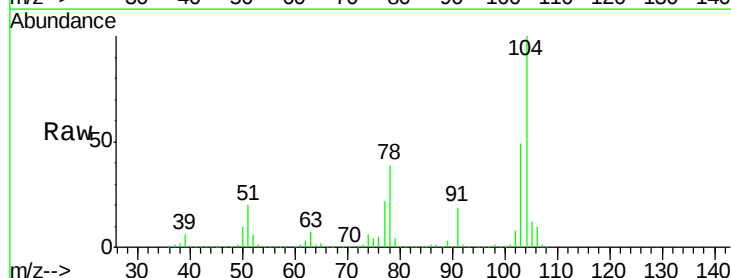
Manual Integrations
APPROVED

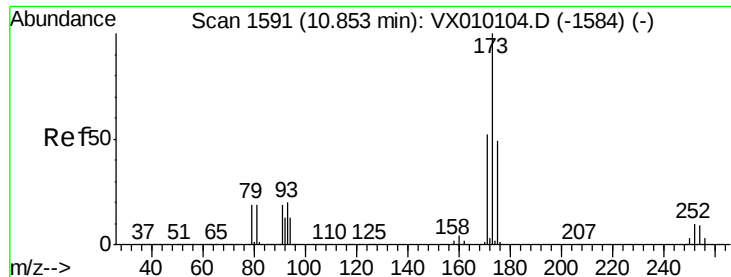
MMDadoda
6/10/2019 10:53:06 AM



#70
Styrene
Concen: 49.691 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX010135.D
Acq: 08 Jun 2019 01:37

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	46.1	42.1	63.1
103	103	54.8	44.1	66.1





#71

Bromoform

Concen: 49.341 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

Instrument :

MSVOA_X

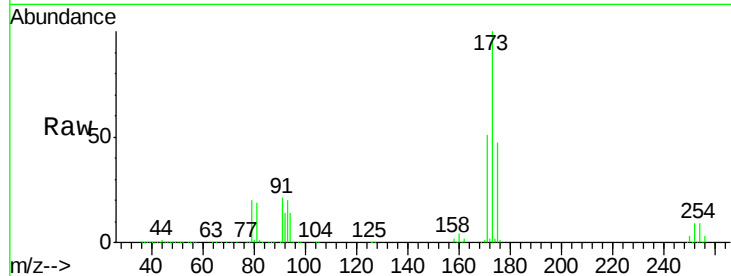
ClientSampleId :

VSTDCCC050EC

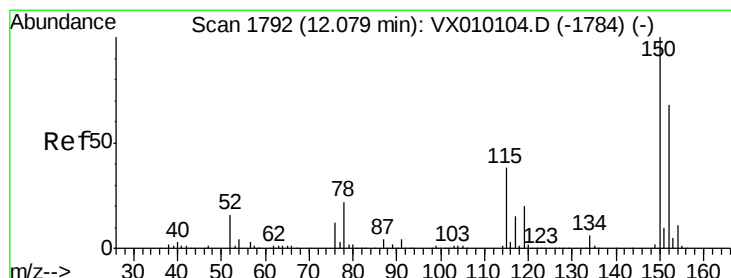
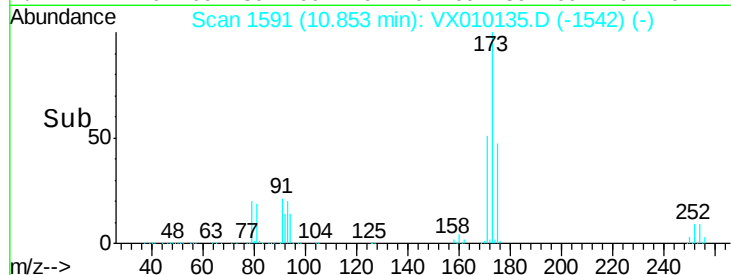
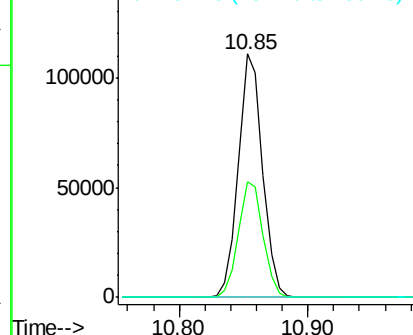
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	25.0	75.0
254	0.1	0.2	0.2

Manual Integrations
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6/10/2019 10:53:06 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

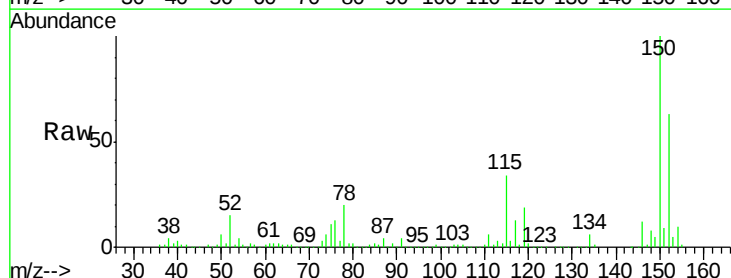
RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

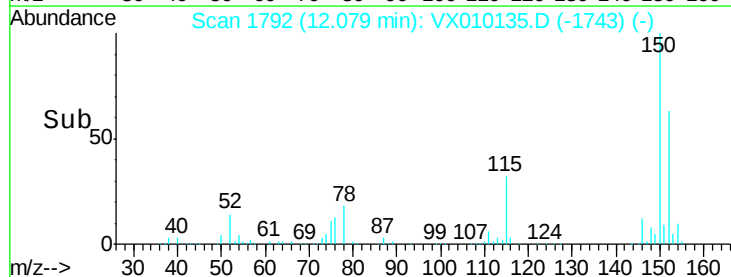
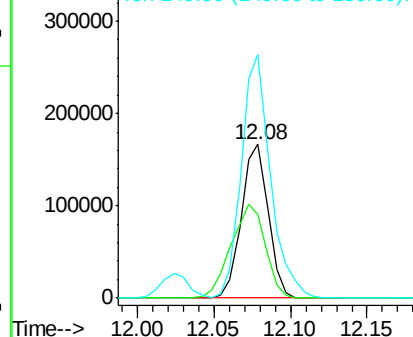
Lab File: VX010135.D

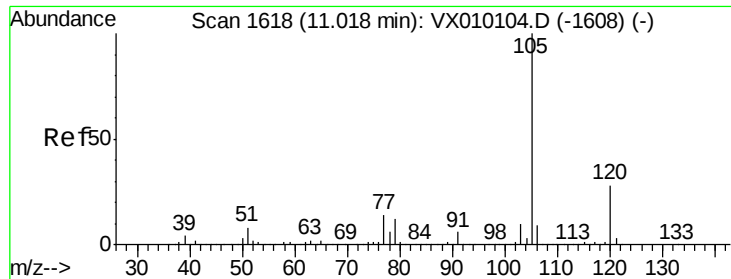
Acq: 08 Jun 2019 01:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.8	41.4	124.2
150	173.2	0.0	345.2



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: 49.809 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 698560

Ion Ratio Lower Upper

105 100

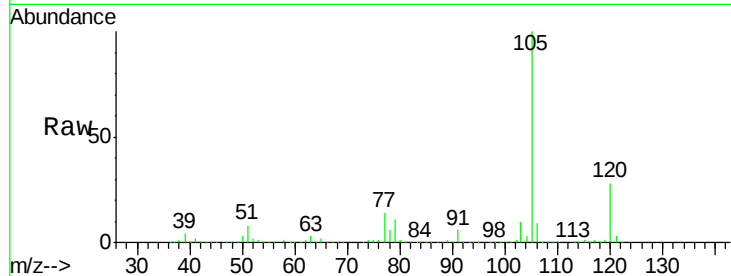
120 28.1 12.8 38.4

Manual Integrations

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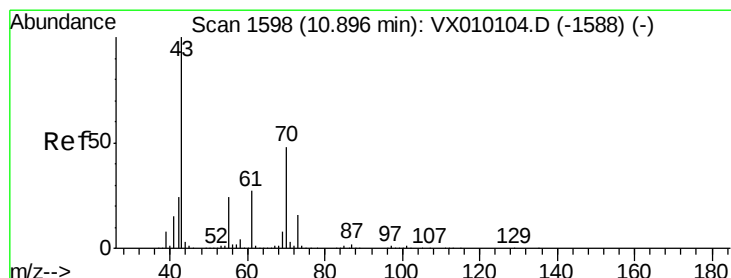
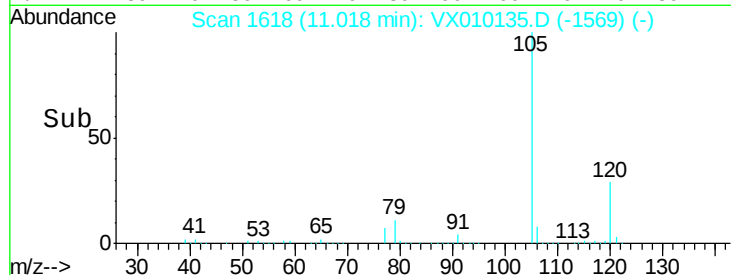
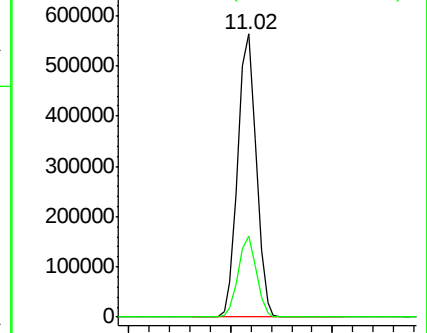
MMDadoda

6/10/2019 10:53:06 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.501 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

Tgt Ion: 43 Resp: 279973

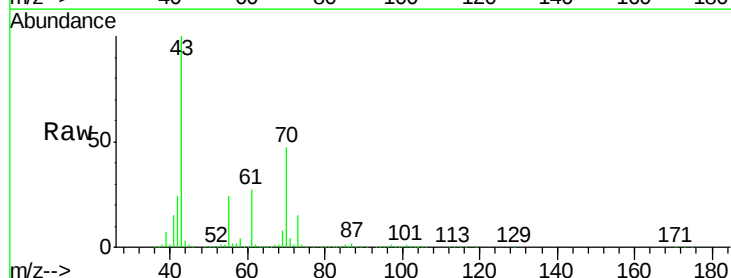
Ion Ratio Lower Upper

43 100

70 47.0 28.6 43.0#

55 23.8 17.8 26.8

61 26.6 17.7 26.5#

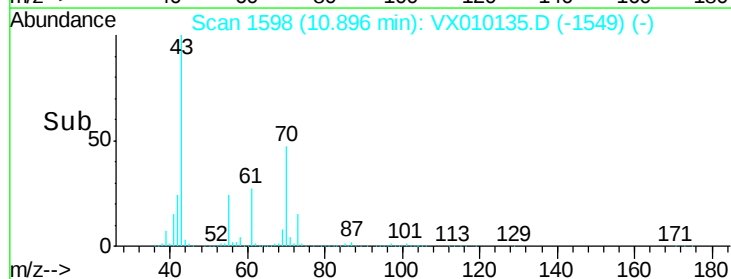
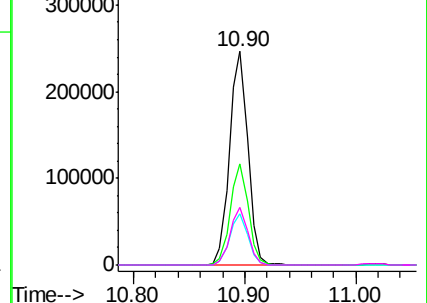


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.393 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

Instrument :

MSVOA_X

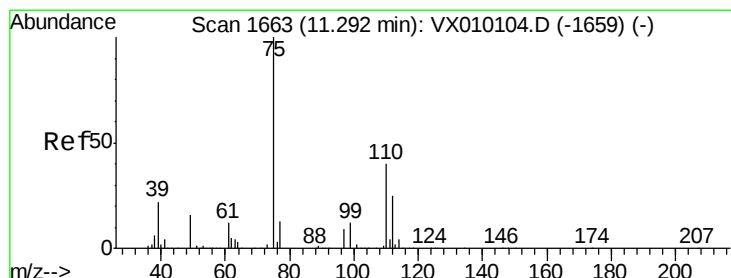
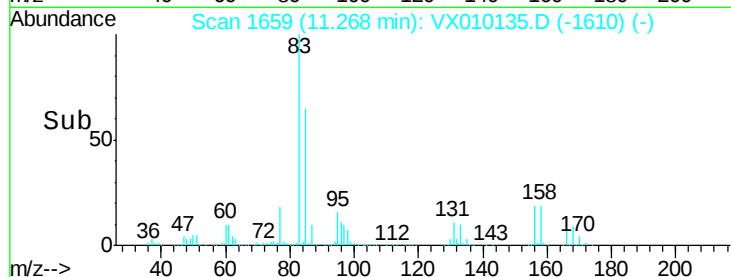
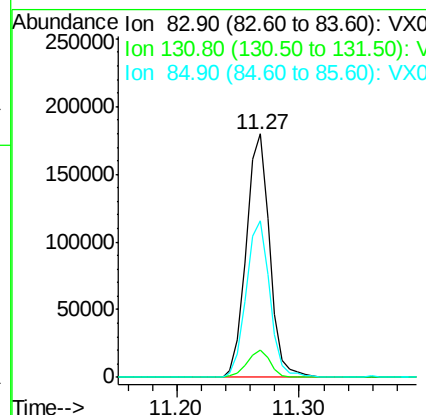
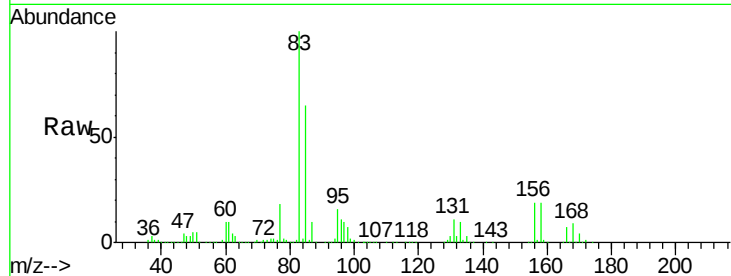
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	237125
Ion Ratio	Lower	Upper	
83	100		
131	11.1	4.7	14.1
85	65.1	31.9	95.9

Manual Integrations
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MMDadoda
6/10/2019 10:53:06 AM



#76

1,2,3-Trichloropropane

Concen: 48.551 ug/l m

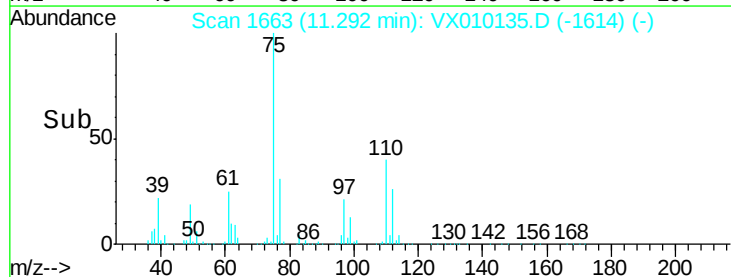
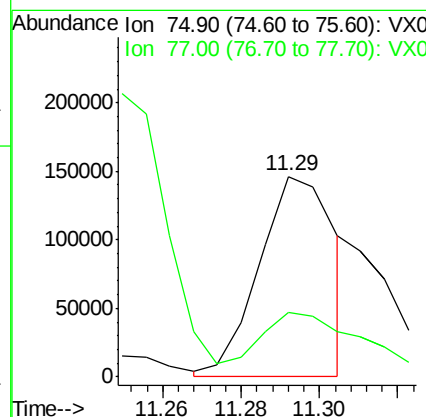
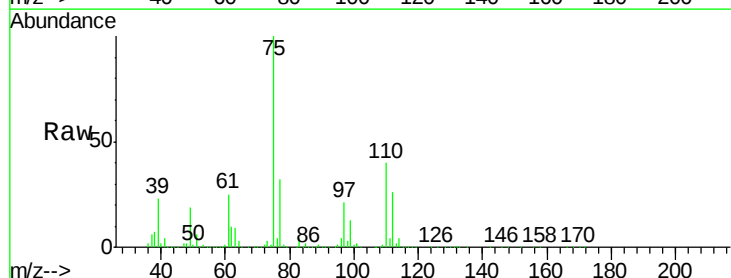
RT: 11.29 min Scan# 1663

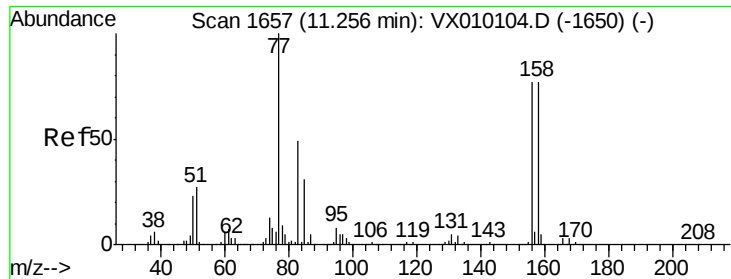
Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

Tgt Ion:	75	Resp:	195103
Ion Ratio	Lower	Upper	
75	100		
77	44.5	22.1	66.1





#77

Bromobenzene

Concen: 49.238 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 189898

Ion Ratio Lower Upper

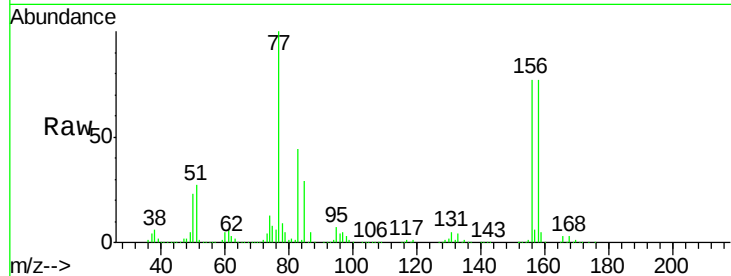
156 100

77 138.8 86.8 260.3

158 98.9 49.6 148.8

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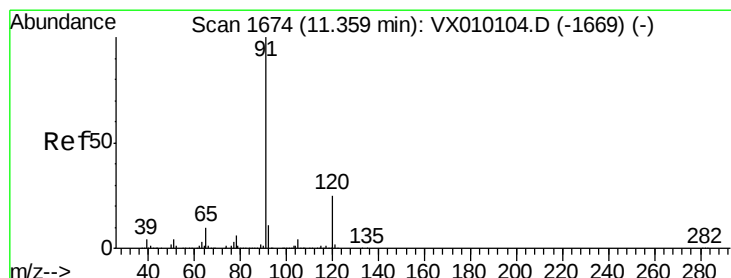
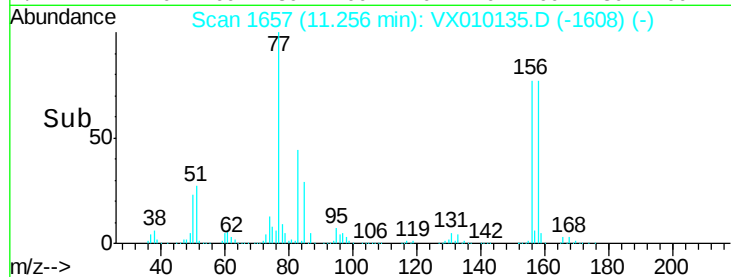
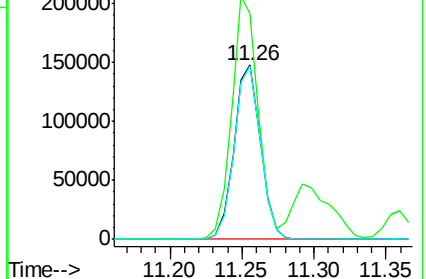
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.596 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010135.D

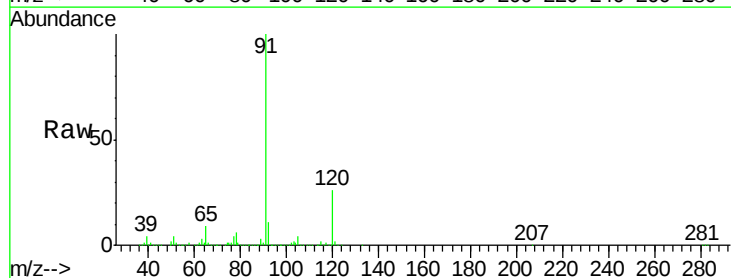
Acq: 08 Jun 2019 01:37

Tgt Ion: 91 Resp: 774368

Ion Ratio Lower Upper

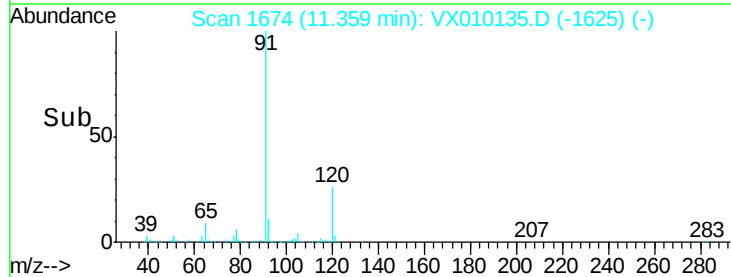
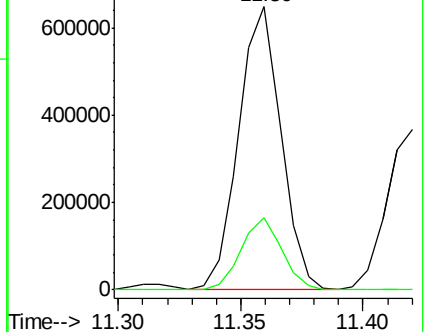
91 100

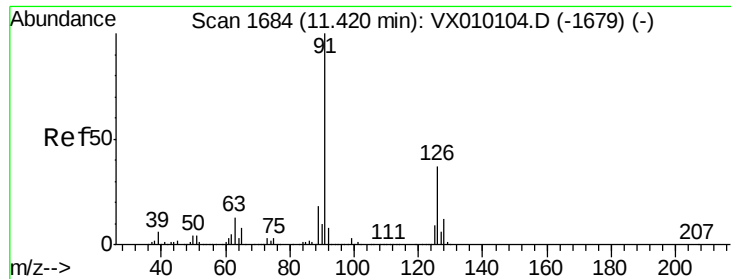
120 25.0 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.306 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 462359

Ion Ratio Lower Upper

91 100

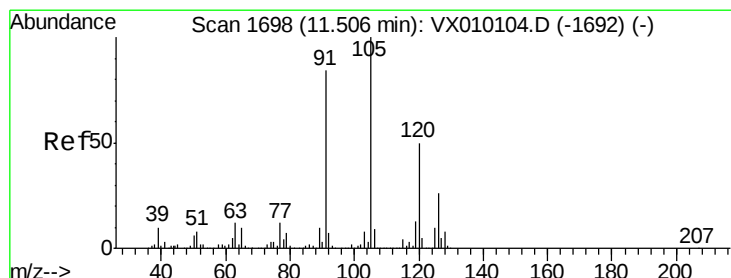
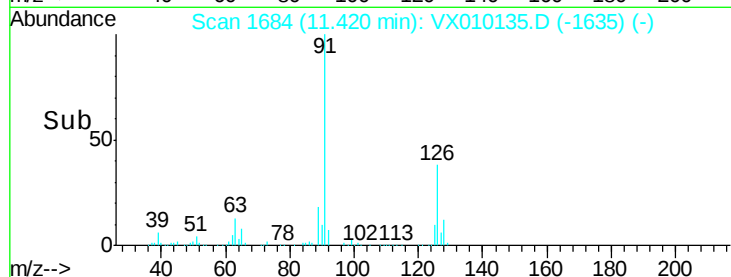
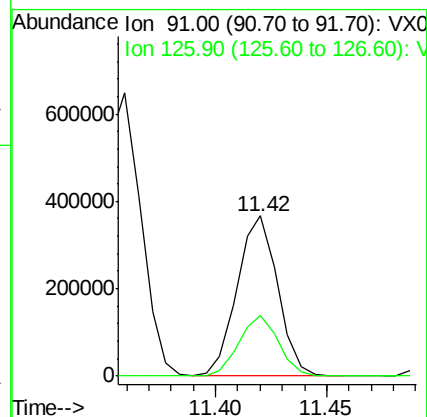
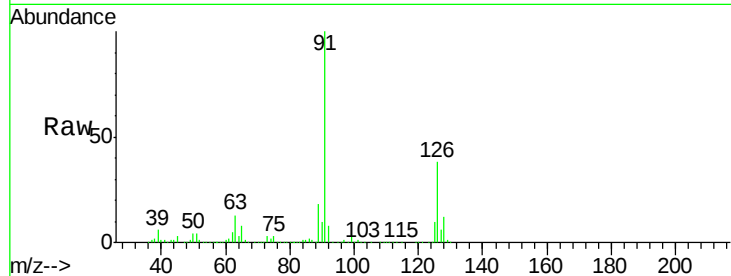
126 37.1 16.1 48.3

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#80

1,3,5-Trimethylbenzene

Concen: 49.475 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010135.D

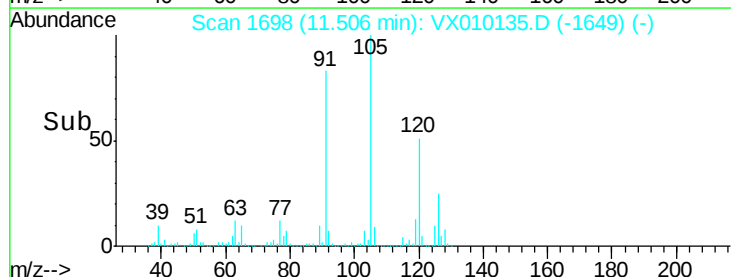
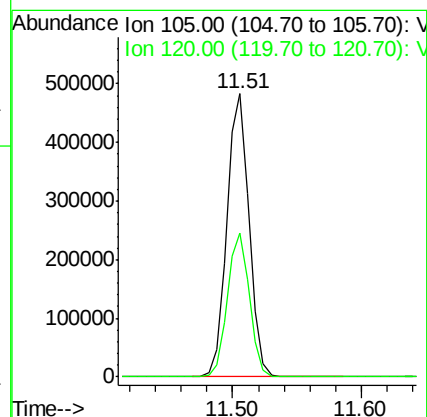
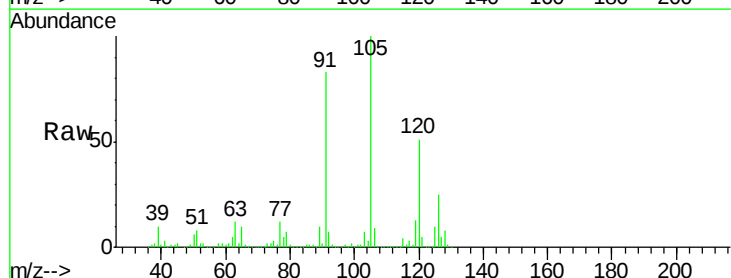
Acq: 08 Jun 2019 01:37

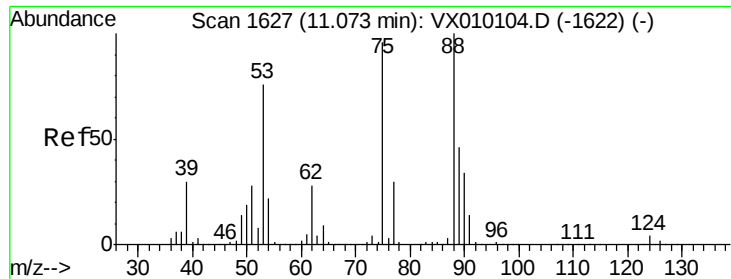
Tgt Ion: 105 Resp: 584424

Ion Ratio Lower Upper

105 100

120 50.6 24.1 72.3





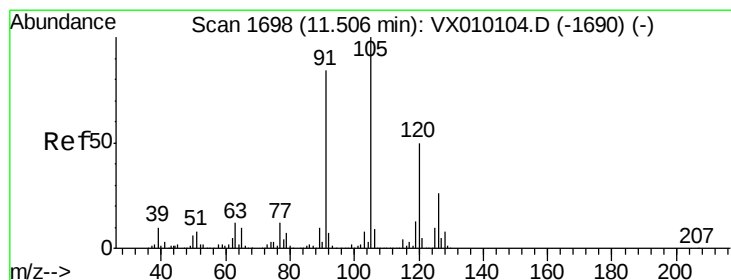
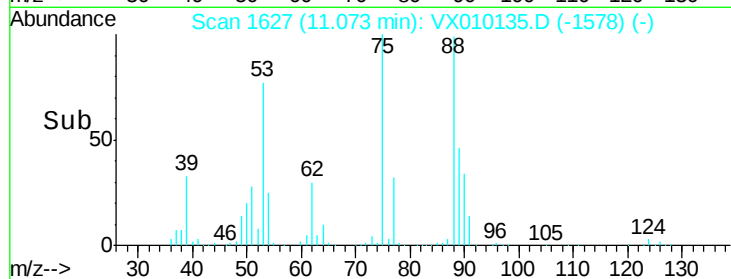
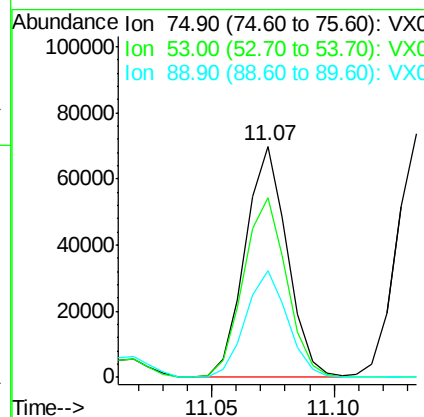
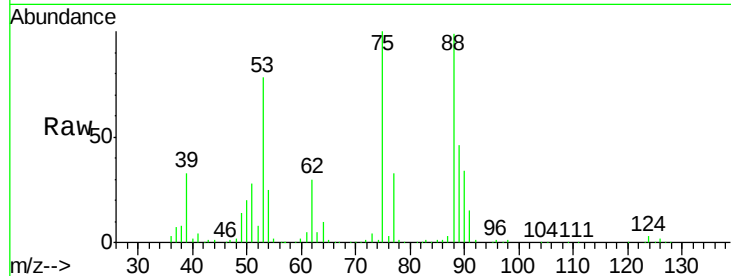
#81
trans-1,4-Dichloro-2-butene
Concen: 45.722 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX010135.D
Acq: 08 Jun 2019 01:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	79.6	79.8	119.6#
89	46.3	34.2	51.4

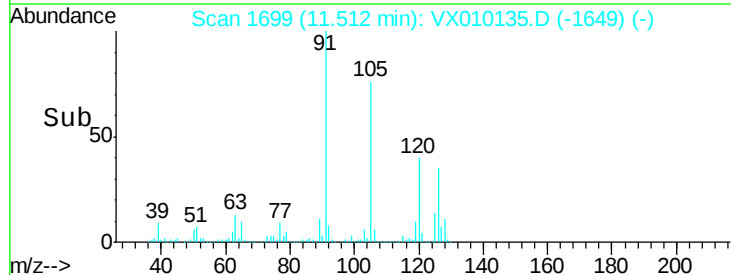
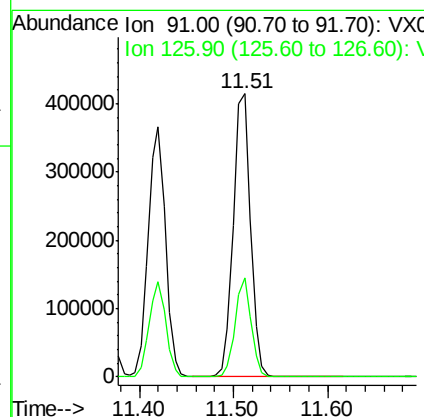
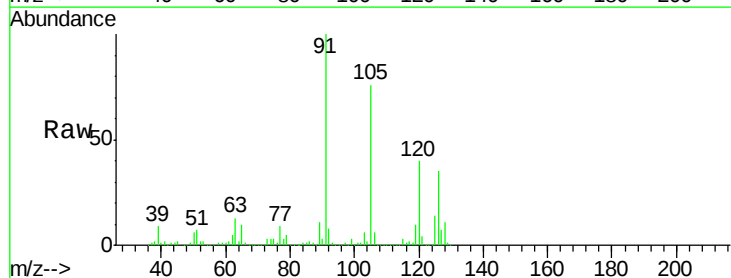
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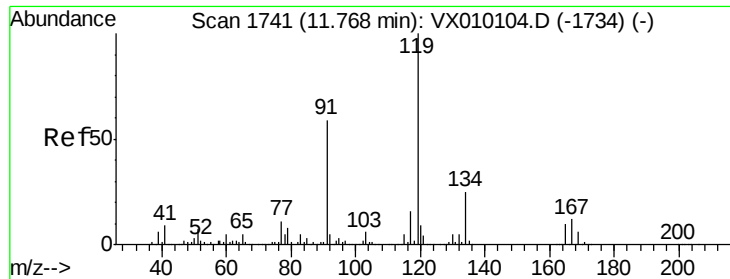
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#82
4-Chlorotoluene
Concen: 49.761 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX010135.D
Acq: 08 Jun 2019 01:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	14.2	42.6





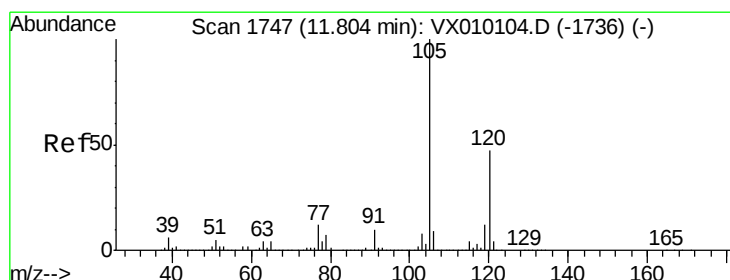
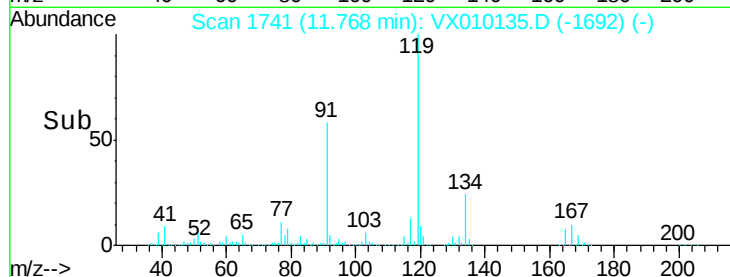
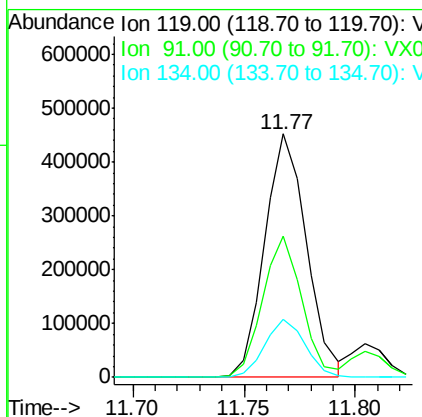
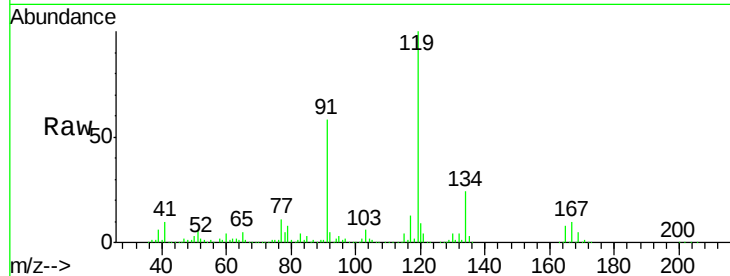
#83
 tert-Butylbenzene
 Concen: 49.232 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX010135.D
 Acq: 08 Jun 2019 01:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.8	30.0	90.0
134	23.2	11.2	33.5

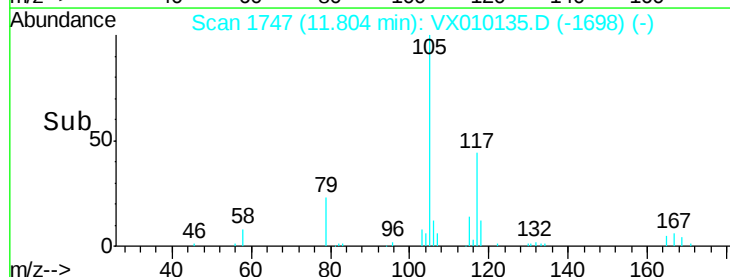
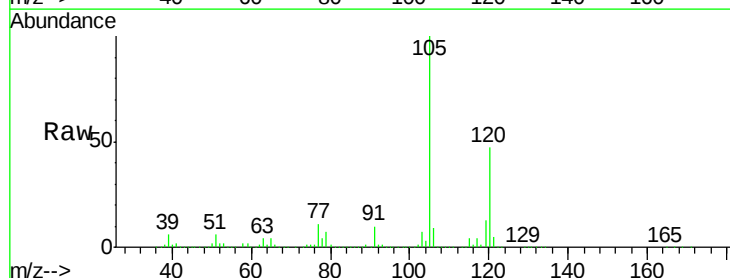
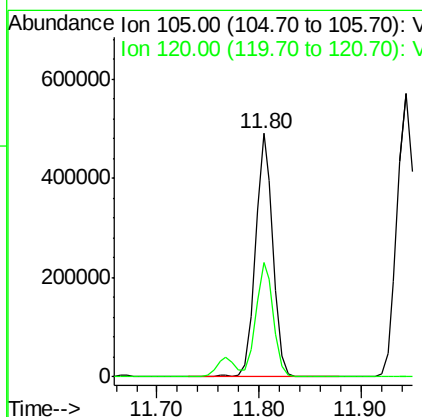
Manual Integrations
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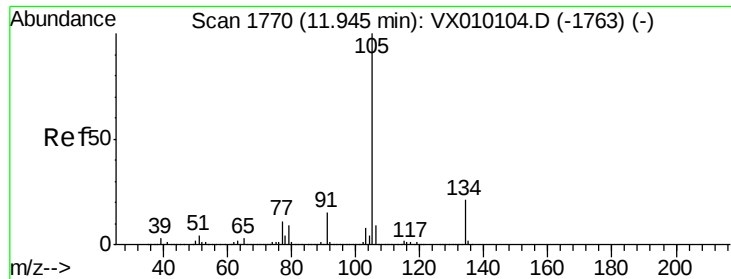
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.428 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX010135.D
 Acq: 08 Jun 2019 01:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.3	22.1	66.1





#85

sec-Butylbenzene

Concen: 49.269 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 686276

Ion Ratio Lower Upper

105 100

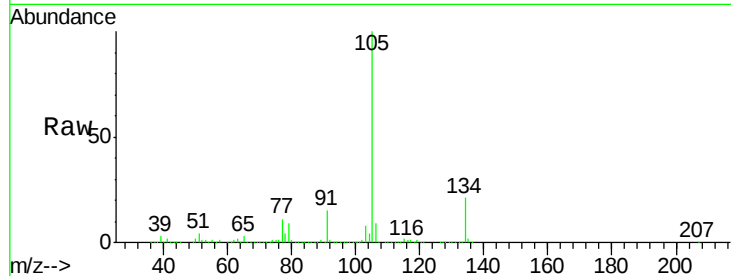
134 21.2 9.7 28.9

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

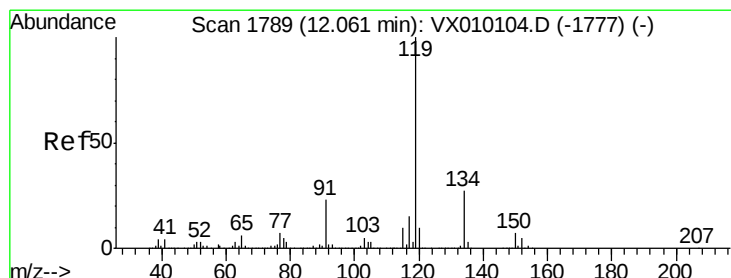
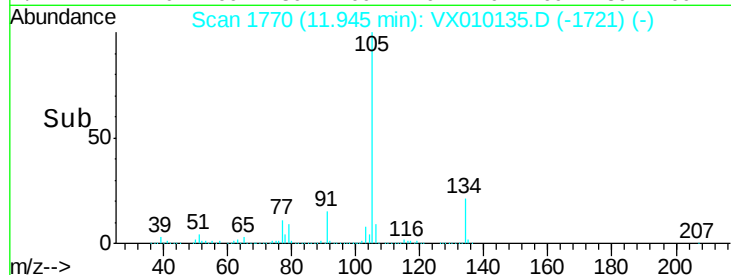
600000

400000

200000

0

Time--> 11.85 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 49.109 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

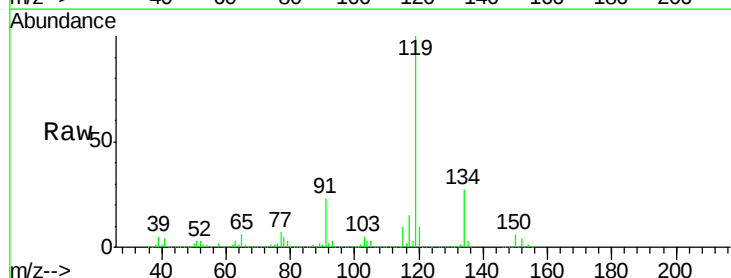
Tgt Ion:119 Resp: 625340

Ion Ratio Lower Upper

119 100

134 27.8 12.9 38.6

91 22.6 11.9 35.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

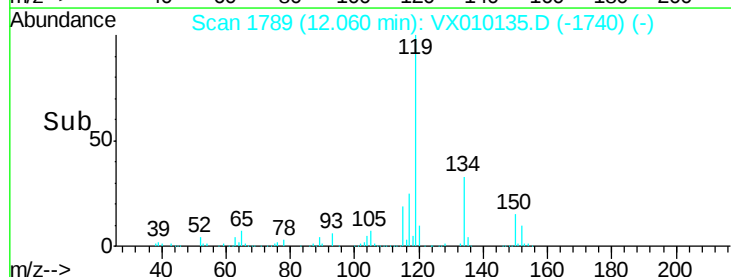
600000

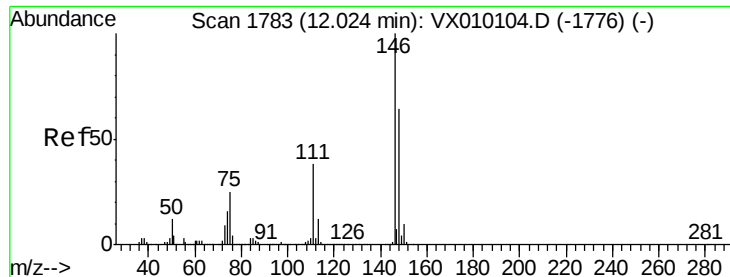
400000

200000

0

Time--> 12.00 12.10





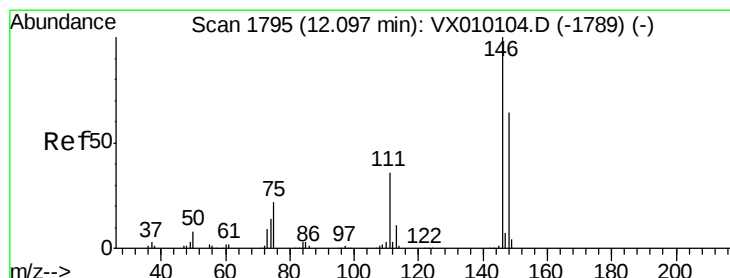
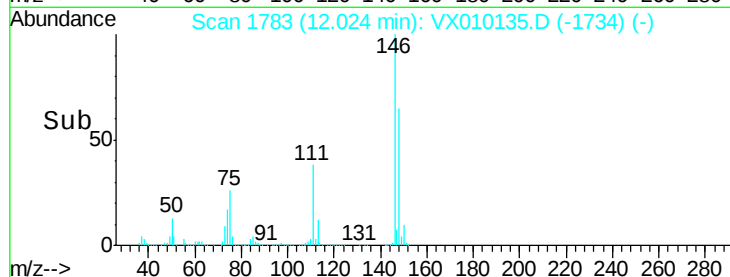
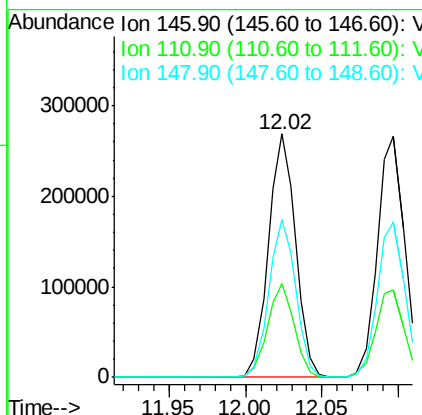
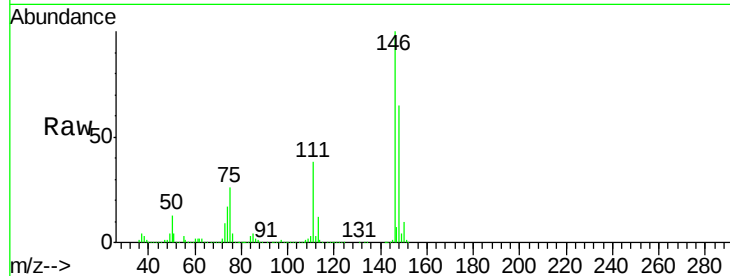
#87
 1,3-Dichlorobenzene
 Concen: 48.886 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010135.D
 Acq: 08 Jun 2019 01:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	20.1	60.2
148	64.3	31.9	95.5

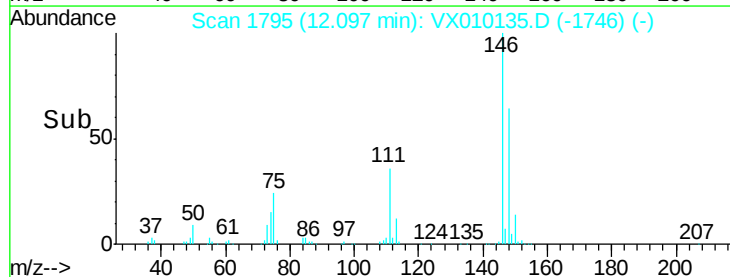
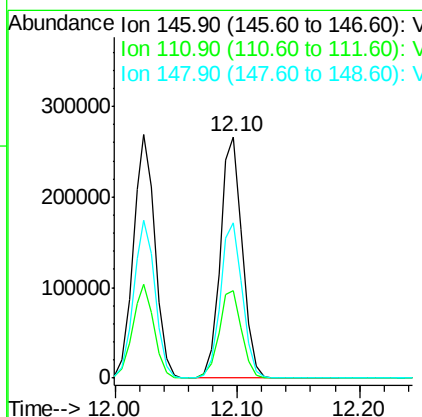
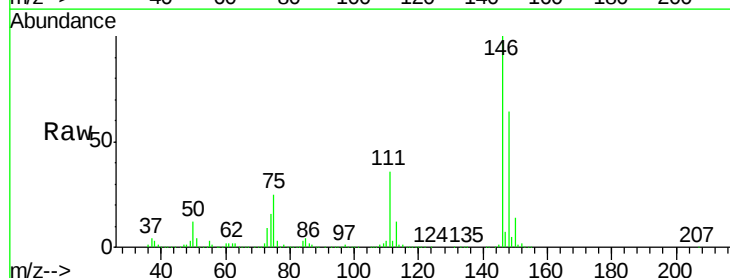
Manual Integrations
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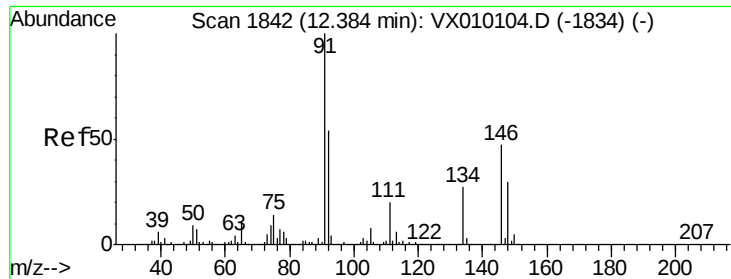
MMDadoda
 6/10/2019 10:53:06 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.097 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010135.D
 Acq: 08 Jun 2019 01:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	20.0	59.9
148	64.8	32.3	96.9





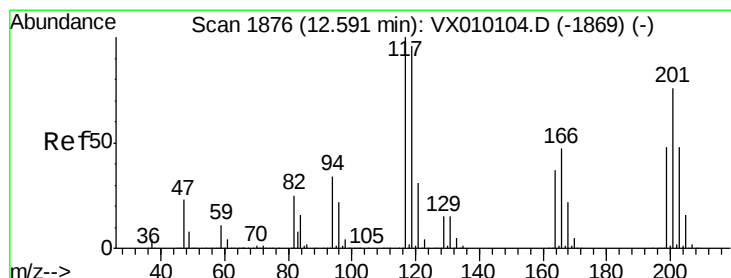
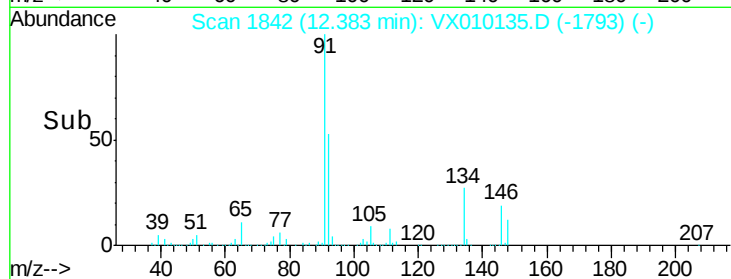
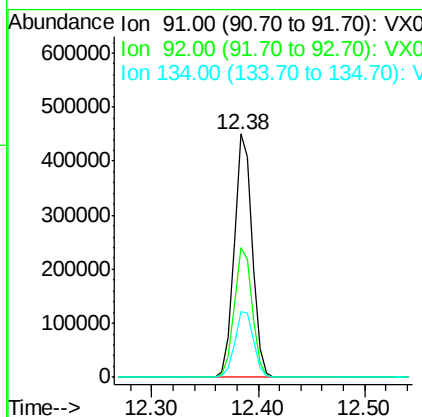
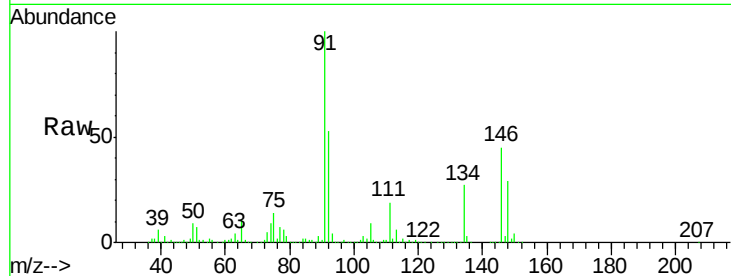
#89
n-Butylbenzene
Concen: 48.605 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010135.D
Acq: 08 Jun 2019 01:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.3	78.8
134	28.2	12.3	36.8

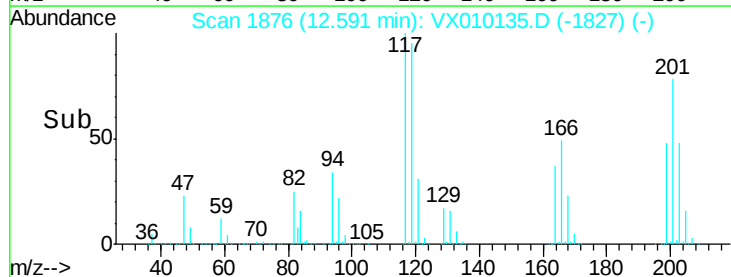
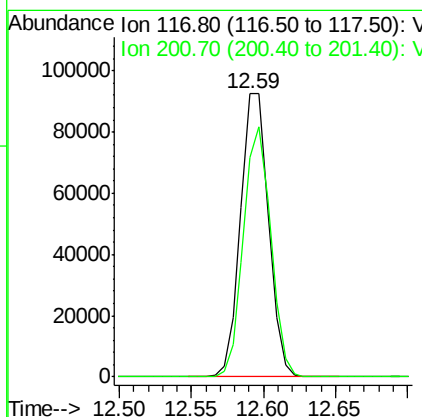
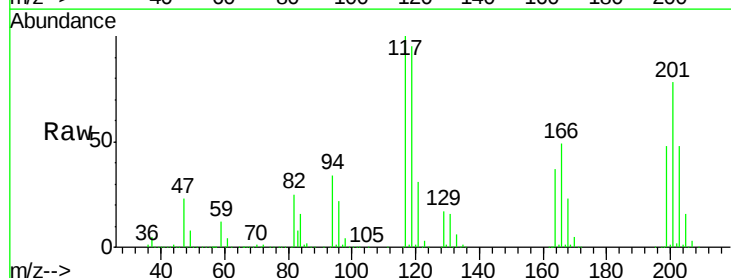
Manual Integrations
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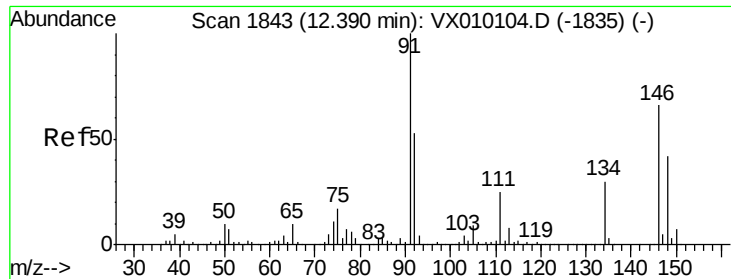
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#90
Hexachloroethane
Concen: 49.358 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VX010135.D
Acq: 08 Jun 2019 01:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.6	43.6	130.9





#91

1,2-Dichlorobenzene

Concen: 49.513 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

Instrument :

MSVOA_X

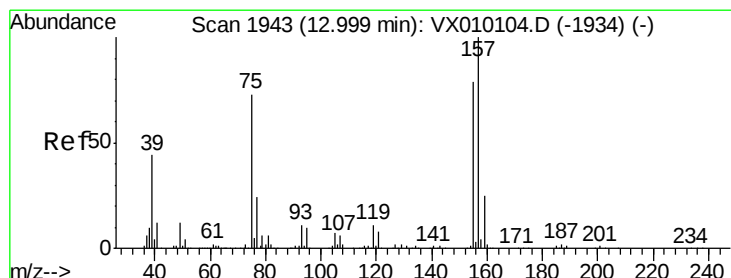
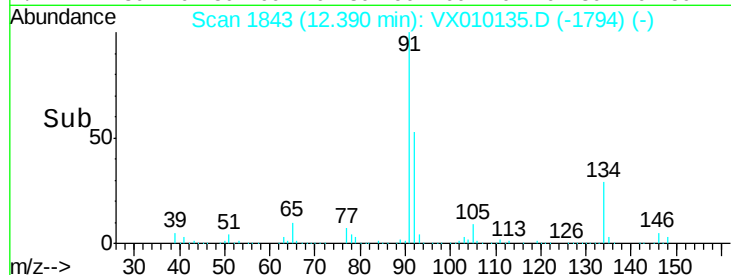
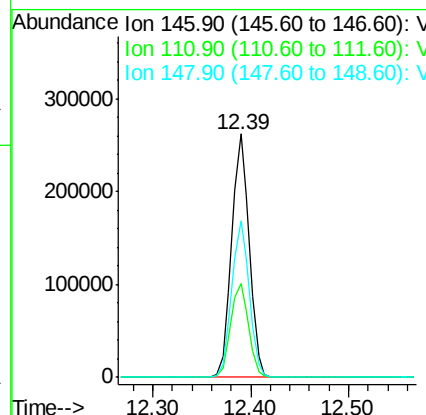
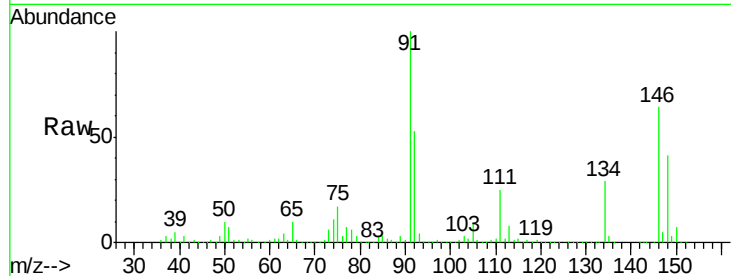
ClientSampleID :

VSTDCCC050EC

Tot Ion:	146	Resp:	326998
Ion Ratio	Lower	Upper	
146	100		
111	39.2	21.1	63.1
148	64.3	32.3	96.8

Manual Integrations
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6/10/2019 10:53:06 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.337 ug/l

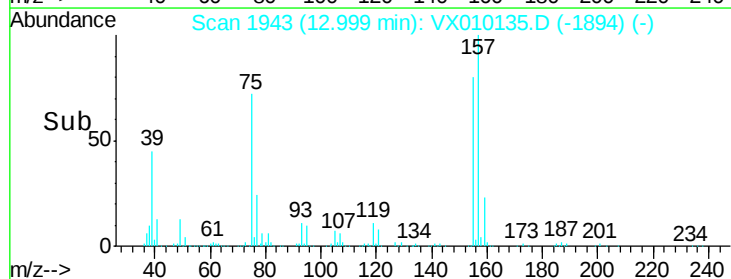
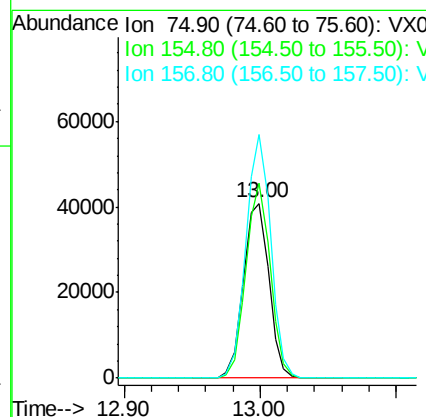
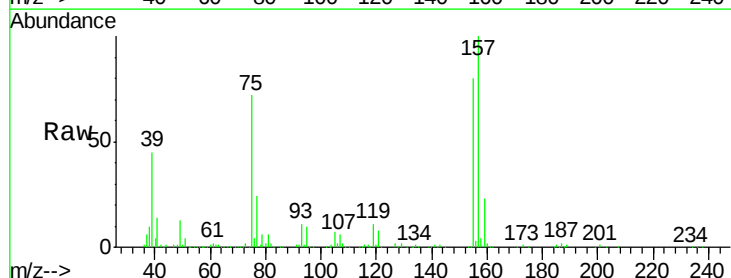
RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

Tgt Ion:	75	Resp:	53477
Ion Ratio	Lower	Upper	
75	100		
155	106.6	39.3	117.8
157	135.1	50.6	151.8





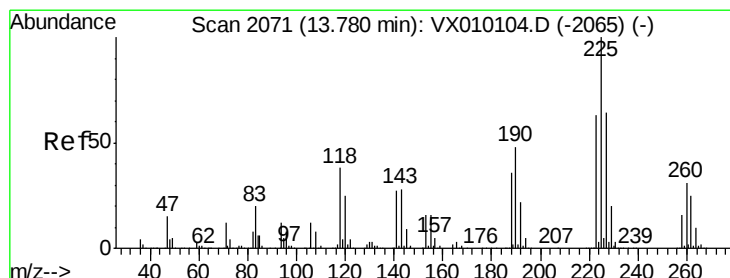
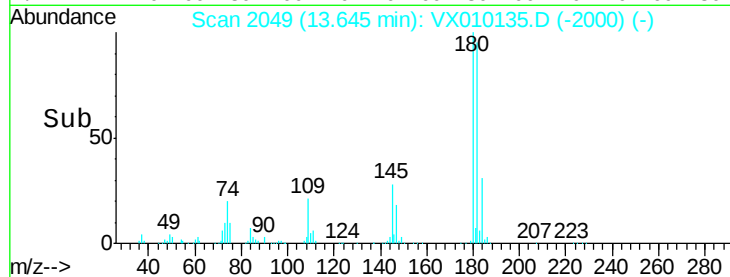
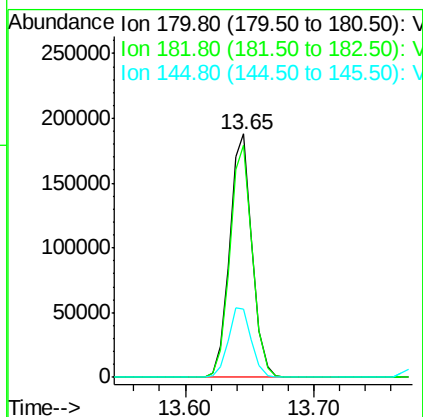
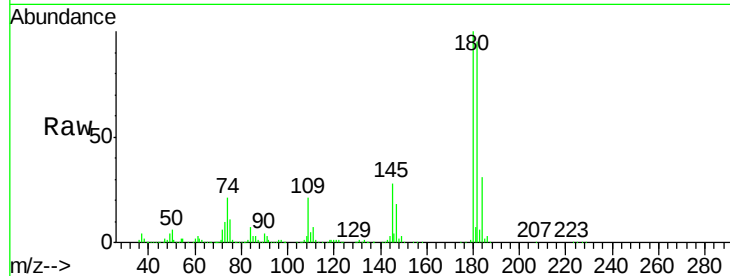
#93
 1,2,4-Trichlorobenzene
 Concen: 47.339 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010135.D
 Acq: 08 Jun 2019 01:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	228851		
182	95.4	47.4	142.2	
145	29.4	14.5	43.5	

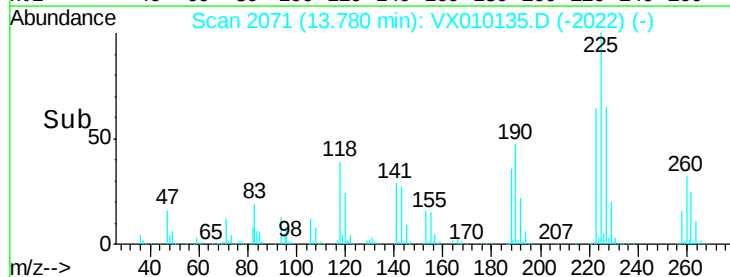
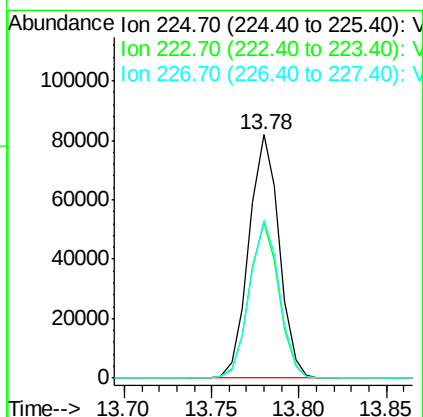
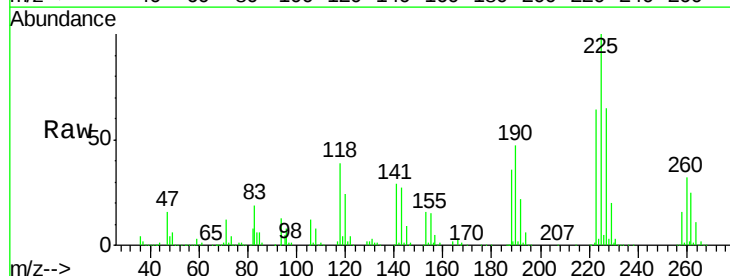
Manual Integrations
 APPROVED

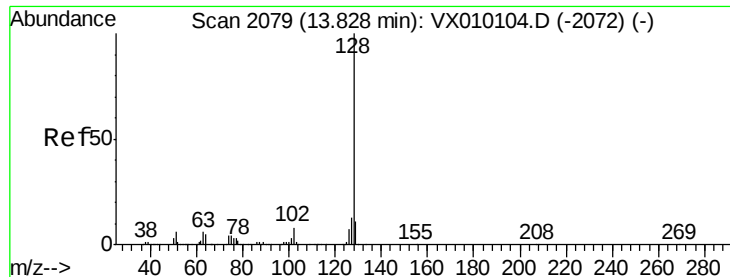
MMDadoda
 6/10/2019 10:53:06 AM



#94
 Hexachlorobutadiene
 Concen: 45.658 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX010135.D
 Acq: 08 Jun 2019 01:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	98164		
223	63.1	31.3	93.8	
227	64.3	32.3	96.8	





#95

Naphthalene

Concen: 49.035 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

Instrument :

MSVOA_X

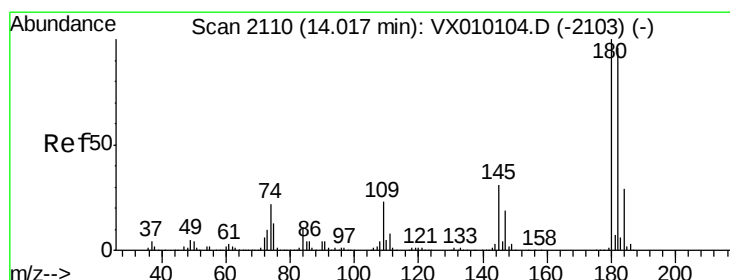
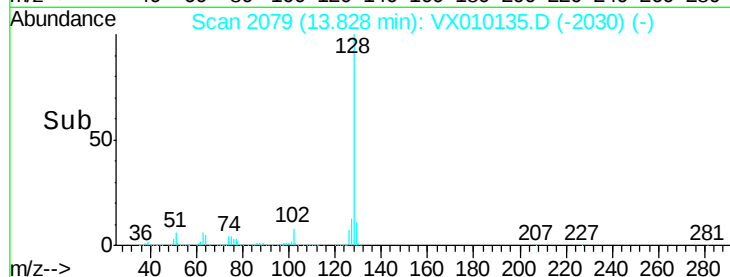
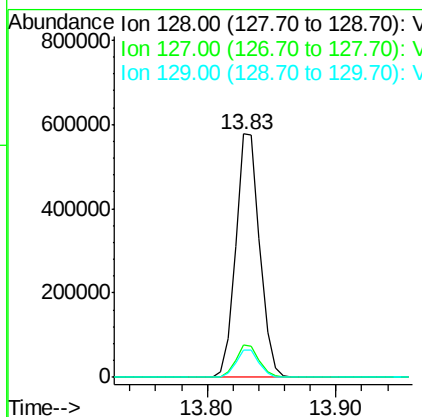
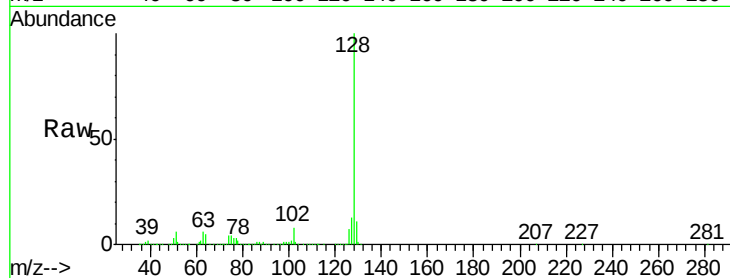
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	746204
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	16.0
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/10/2019 10:53:06 AM



#96

1,2,3-Trichlorobenzene

Concen: 48.272 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX010135.D

Acq: 08 Jun 2019 01:37

Tgt Ion:	180	Resp:	230737
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.3	142.0
145	31.0	15.6	46.7

