

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041019\
 Data File : VX008844.D
 Acq On : 11 Apr 2019 07:21
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/11/2019 11:48:28 AM

Quant Time: Apr 11 09:10:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 11 08:05:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	156836	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	266450	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	242278	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	113228	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	110345	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
35) Dibromofluoromethane	5.49	113	81572	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
50) Toluene-d8	8.71	98	331186	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
62) 4-Bromofluorobenzene	11.13	95	121553	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	74040	41.012	ug/l	99
3) Chloromethane	1.32	50	113258	51.232	ug/l	100
4) Vinyl Chloride	1.41	62	102114	41.842	ug/l	99
5) Bromomethane	1.64	94	52110	43.596	ug/l	100
6) Chloroethane	1.71	64	63606	47.577	ug/l	100
7) Trichlorofluoromethane	1.92	101	117895	43.702	ug/l	98
8) Diethyl Ether	2.18	74	57083	44.620	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	75238	43.318	ug/l	98
10) Methyl Iodide	2.51	142	84988	53.428	ug/l	100
11) Tert butyl alcohol	3.06	59	132243	246.933	ug/l	99
12) 1,1-Dichloroethene	2.37	96	79177	43.668	ug/l	97
13) Acrolein	2.29	56	105597	397.653	ug/l	97
14) Allyl chloride	2.73	41	184200	44.377	ug/l	98
15) Acrylonitrile	3.14	53	337557	237.926	ug/l	100
16) Acetone	2.45	43	288992	219.339	ug/l	100
17) Carbon Disulfide	2.57	76	222612	42.404	ug/l	99
18) Methyl Acetate	2.78	43	159652	49.962	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	314316	48.541	ug/l	100
20) Methylene Chloride	2.85	84	100994	45.793	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	85552	43.622	ug/l	95
22) Diisopropyl ether	3.85	45	379708	47.462	ug/l	95
23) Vinyl Acetate	3.81	43	1664456	239.156	ug/l	99
24) 1,1-Dichloroethane	3.70	63	183451	46.314	ug/l	100
25) 2-Butanone	4.67	43	496372	238.361	ug/l	100
26) 2,2-Dichloropropane	4.58	77	87755	31.455	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	102276	45.358	ug/l	96
28) Bromochloromethane	5.01	49	94932	57.850	ug/l	100
29) Tetrahydrofuran	5.13	42	327010	236.593	ug/l	99
30) Chloroform	5.21	83	165865	46.883	ug/l	98
31) Cyclohexane	5.58	56	171835	43.476	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	134591	47.078	ug/l	100
36) 1,1-Dichloropropene	5.80	75	126613	43.471	ug/l	100
37) Ethyl Acetate	4.83	43	186143	47.880	ug/l	100
38) Carbon Tetrachloride	5.78	117	111553	46.276	ug/l	98

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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)
39) Methylcyclohexane	7.46	83	147468	40.986	ug/l	98
40) Benzene	6.14	78	395510	45.582	ug/l	99
41) Methacrylonitrile	5.04	41	105696	47.298	ug/l	99
42) 1,2-Dichloroethane	6.19	62	142181	45.708	ug/l	100
43) Isopropyl Acetate	6.45	43	296442	48.677	ug/l	100
44) Trichloroethene	7.21	130	92299	45.672	ug/l	99
45) 1,2-Dichloropropane	7.51	63	112636	45.480	ug/l	100
46) Dibromomethane	7.66	93	64029	44.577	ug/l	97
47) Bromodichloromethane	7.90	83	129001	47.632	ug/l	100
48) Methyl methacrylate	7.77	41	150563	48.874	ug/l	99
49) 1,4-Dioxane	7.74	88	55121	955.151	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	979452	249.836	ug/l	100
52) Toluene	8.78	92	239713	46.860	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	141717	46.714	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	156369	45.109	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	98879	48.154	ug/l	99
56) Ethyl methacrylate	9.18	69	187534	50.477	ug/l	99
57) 1,3-Dichloropropane	9.37	76	173846	47.149	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	464882	245.052	ug/l	99
59) 2-Hexanone	9.49	43	736929	241.877	ug/l	100
60) Dibromochloromethane	9.58	129	96154	49.693	ug/l	100
61) 1,2-Dibromoethane	9.67	107	100431	46.982	ug/l	99
64) Tetrachloroethene	9.34	164	81803	45.572	ug/l	98
65) Chlorobenzene	10.13	112	247266	46.041	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	88771	47.116	ug/l	99
67) Ethyl Benzene	10.25	91	458512	45.786	ug/l	99
68) m/p-Xylenes	10.36	106	330657	91.832	ug/l	99
69) o-Xylene	10.69	106	163667	46.903	ug/l	99
70) Styrene	10.71	104	288556	47.973	ug/l	99
71) Bromoform	10.85	173	71789	49.889	ug/l #	98
73) Isopropylbenzene	11.02	105	432817	46.125	ug/l	100
74) N-amyl acetate	10.90	43	263937	47.808	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	158613	44.446	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	137436m	44.185	ug/l	
77) Bromobenzene	11.26	156	105104	46.593	ug/l	98
78) n-propylbenzene	11.36	91	497208	45.507	ug/l	99
79) 2-Chlorotoluene	11.42	91	298104	45.086	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	361771	45.929	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	47770	42.334	ug/l	97
82) 4-Chlorotoluene	11.51	91	342106	44.700	ug/l	99
83) tert-Butylbenzene	11.77	119	343864	45.377	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	365255	45.796	ug/l	99
85) sec-Butylbenzene	11.94	105	413702	45.960	ug/l	99
86) p-Isopropyltoluene	12.06	119	370741	45.889	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	184417	45.666	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	182543	44.639	ug/l	100
89) n-Butylbenzene	12.38	91	338658	44.698	ug/l	100
90) Hexachloroethane	12.60	117	63196	47.162	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	183853	45.853	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35017	44.605	ug/l	98

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VSTDCCC050EC

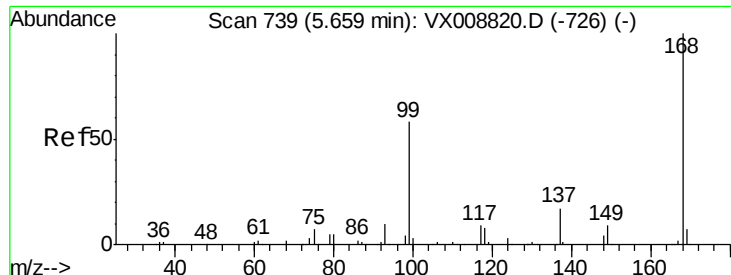
Manual Integrations
APPROVED

MMDadoda
4/11/2019 11:48:28 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
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	128384	46.051	ug/l	99
94) Hexachlorobutadiene	13.78	225	61380	45.908	ug/l	100
95) Naphthalene	13.83	128	438573	47.069	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	129623	46.536	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 156836

Ion Ratio Lower Upper

168 100

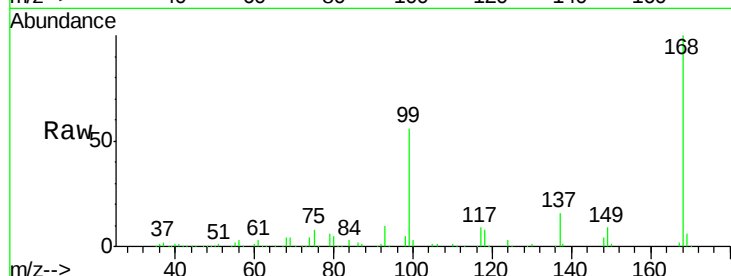
99 55.4 46.7 70.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

50000

40000

30000

20000

10000

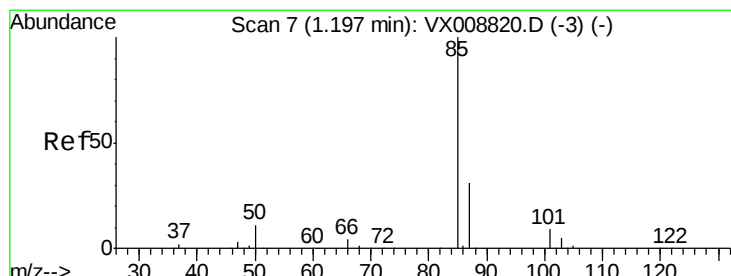
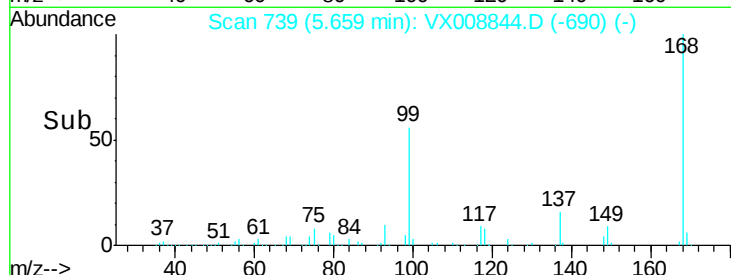
0

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 41.012 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008844.D

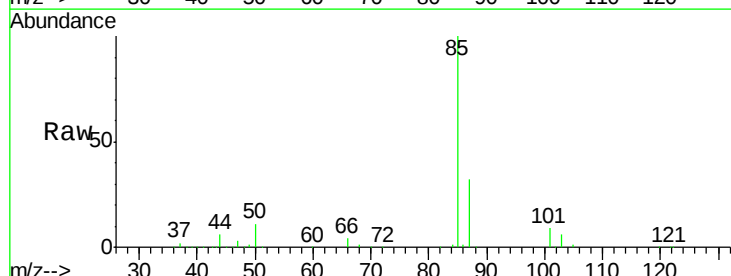
Acq: 11 Apr 2019 07:21

Tgt Ion: 85 Resp: 74040

Ion Ratio Lower Upper

85 100

87 32.0 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

60000

40000

20000

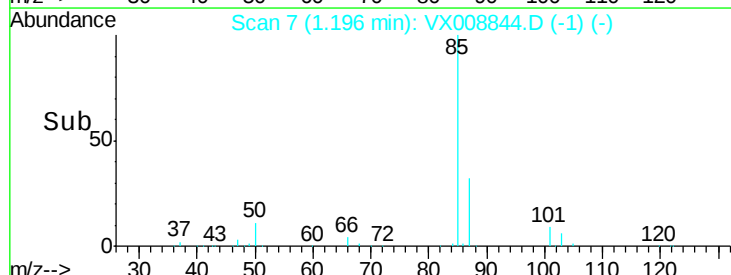
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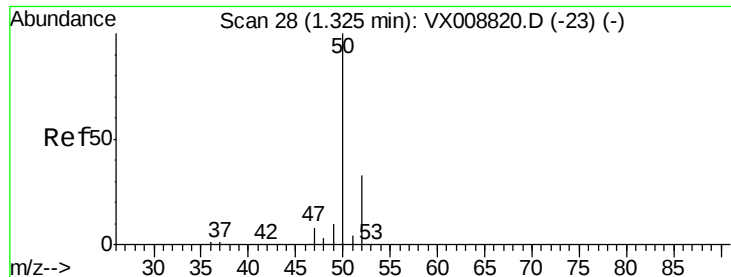
1.15

1.20

1.25

1.30





#3

Chloromethane

Concen: 51.232 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 113258

Ion Ratio Lower Upper

50 100

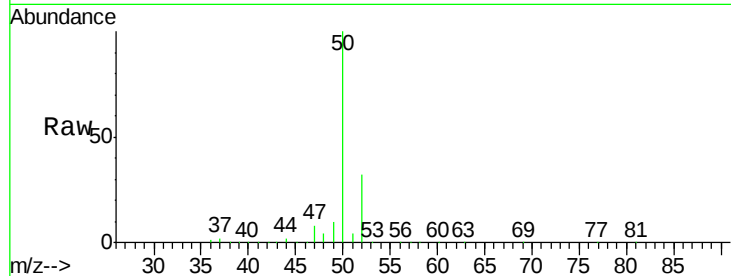
52 32.2 25.8 38.8

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

120000

100000

80000

60000

40000

20000

0

1.25

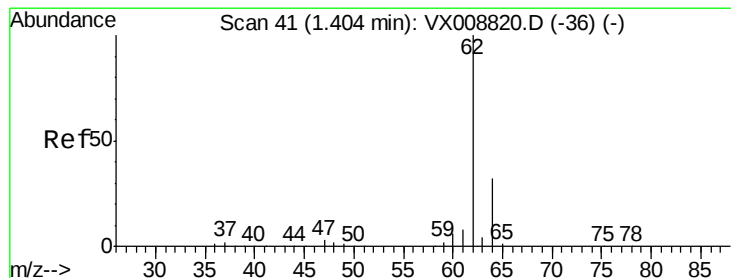
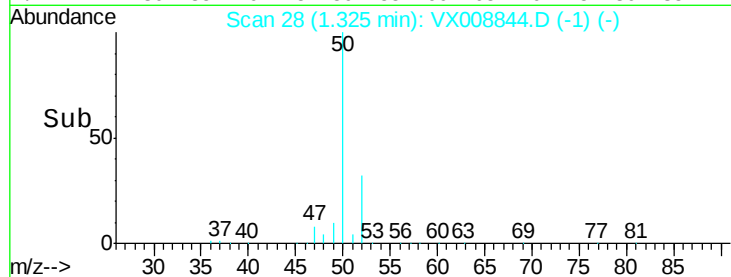
1.30

1.32

1.35

1.40

Time-->



#4

Vinyl Chloride

Concen: 41.842 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008844.D

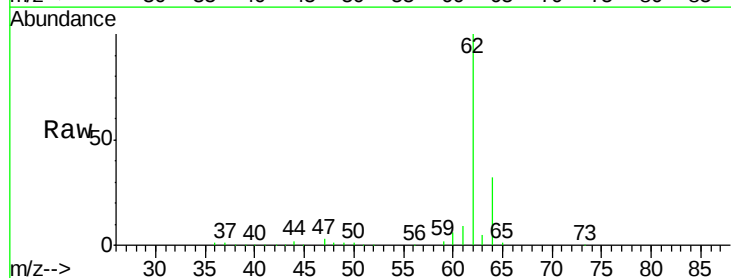
Acq: 11 Apr 2019 07:21

Tgt Ion: 62 Resp: 102114

Ion Ratio Lower Upper

62 100

64 31.6 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

100000

80000

60000

40000

20000

0

1.35

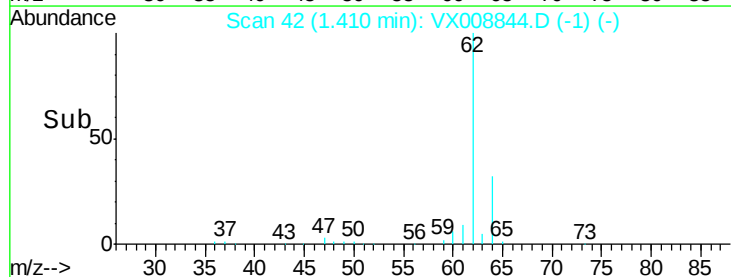
1.40

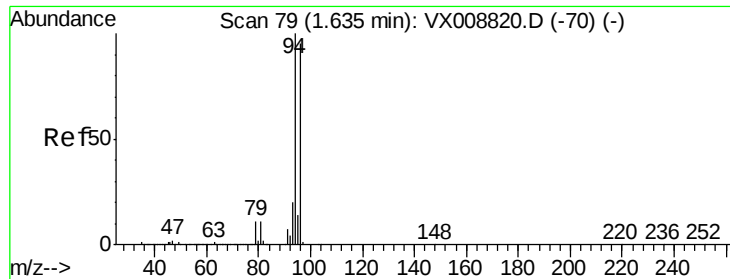
1.41

1.45

1.50

Time-->





#5

Bromomethane

Concen: 43.596 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 52110

Ion Ratio Lower Upper

94 100

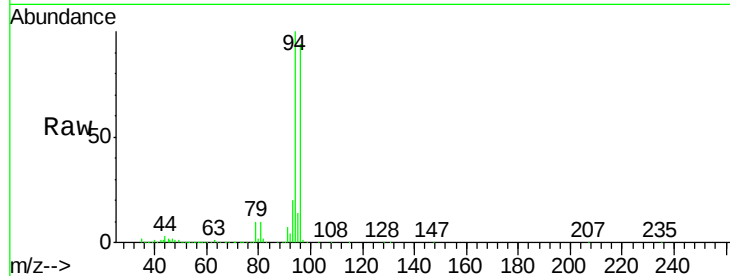
96 93.6 75.2 112.8

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

60000

50000

40000

30000

20000

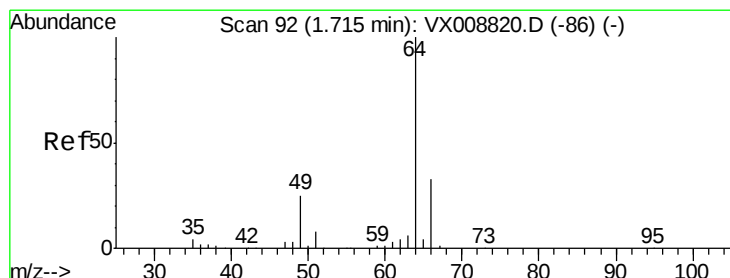
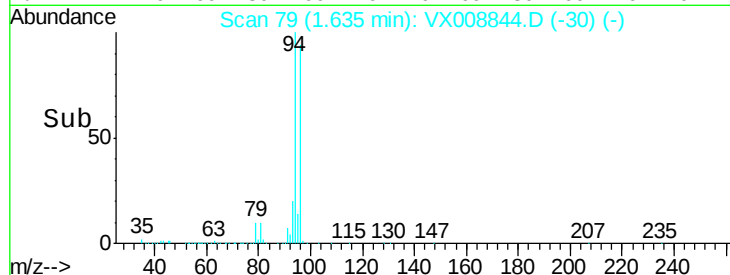
10000

0

1.64

1.55 1.60 1.65 1.70 1.75

Time-->



#6

Chloroethane

Concen: 47.577 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX008844.D

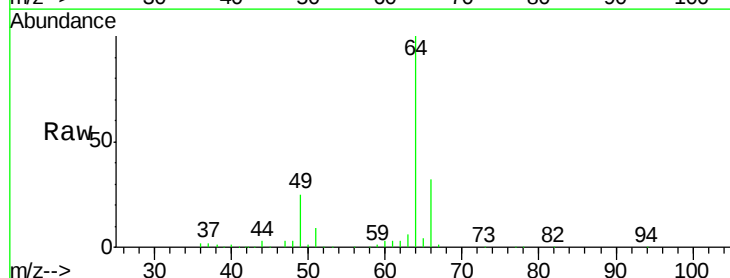
Acq: 11 Apr 2019 07:21

Tgt Ion: 64 Resp: 63606

Ion Ratio Lower Upper

64 100

66 31.9 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

50000

40000

30000

20000

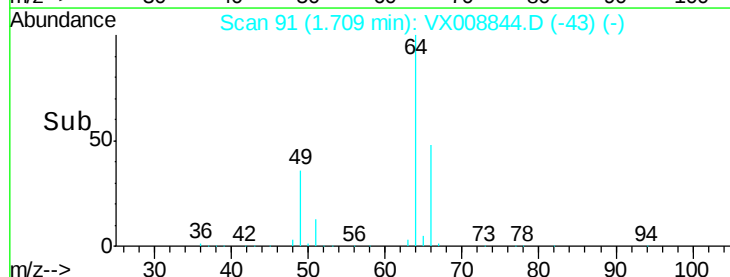
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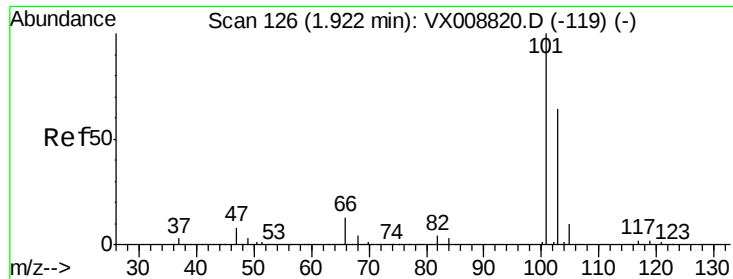
0

1.71

1.60 1.70 1.80

Time-->





#7

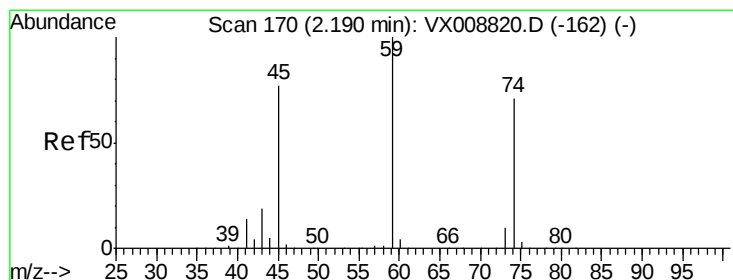
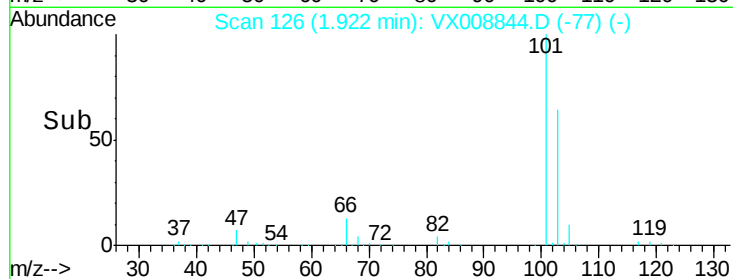
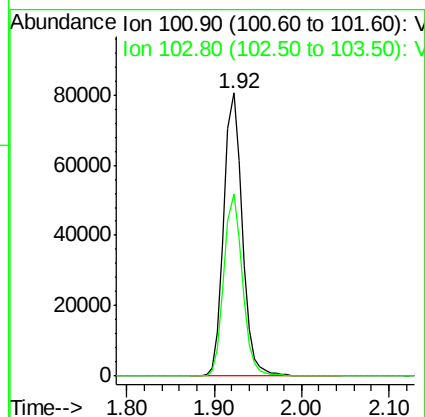
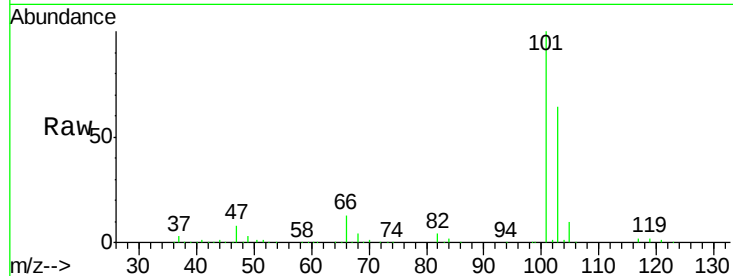
Trichlorofluoromethane
 Concen: 43.702 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX008844.D
 Acq: 11 Apr 2019 07:21

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		117895		
103	64.2	52.3	78.5		

Manual Integrations
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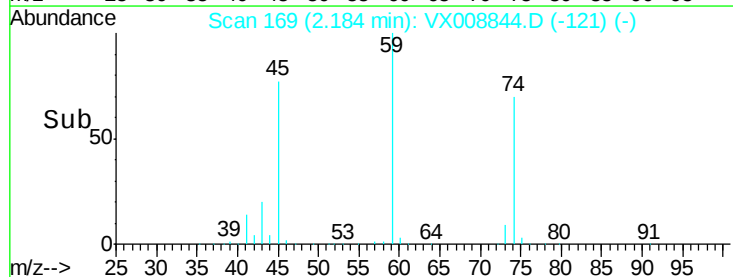
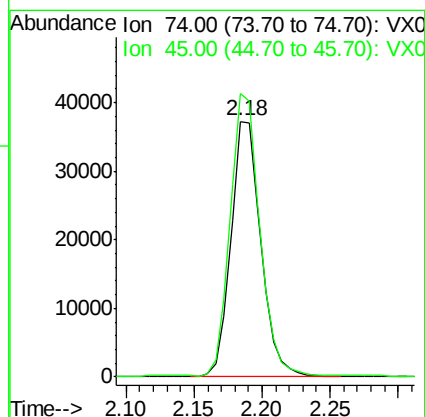
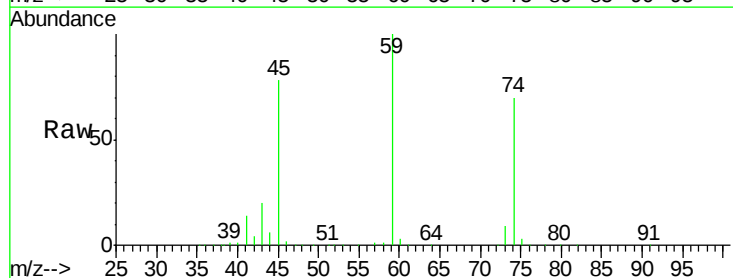
MMDadoda
 4/11/2019 11:48:28 AM

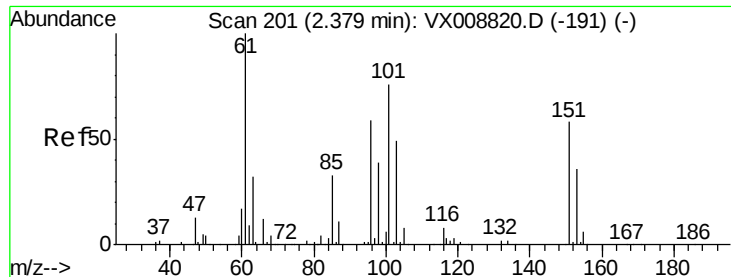


#8

Diethyl Ether
 Concen: 44.620 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.01 min
 Lab File: VX008844.D
 Acq: 11 Apr 2019 07:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		57083		
45	109.2	56.5	169.5		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.318 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

Instrument :

MSVOA_X

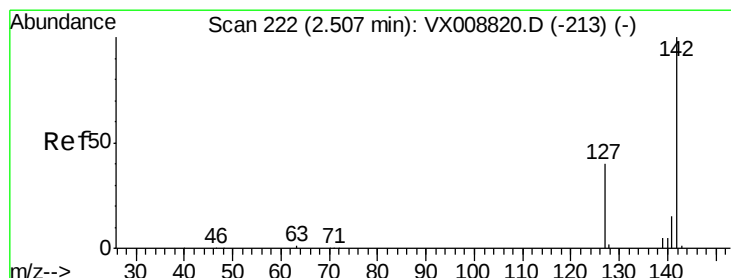
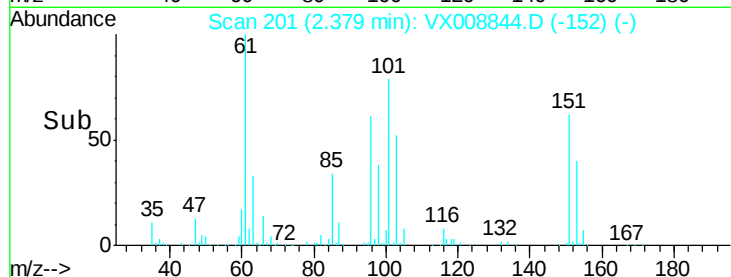
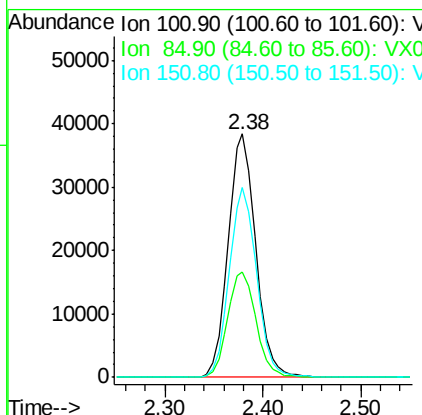
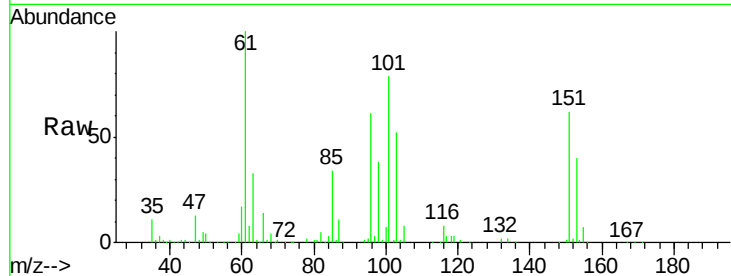
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	75238
Ion Ratio	Lower	Upper	
101	100		
85	44.5	36.0	54.0
151	77.2	59.9	89.9

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#10

Methyl Iodide

Concen: 53.428 ug/l

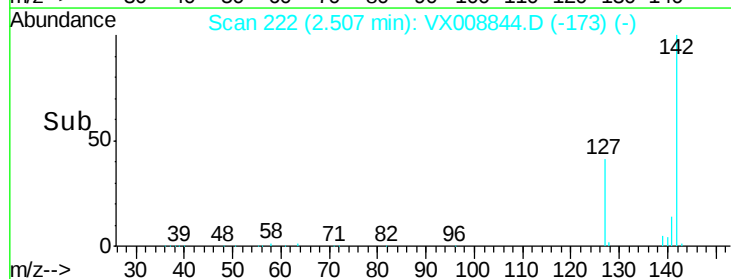
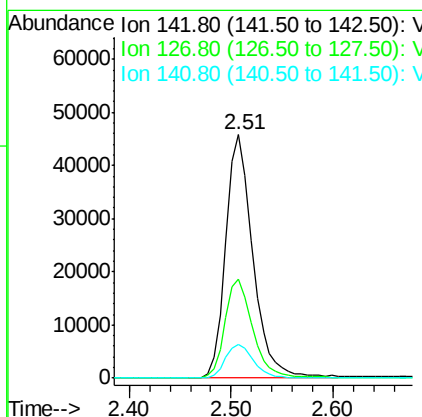
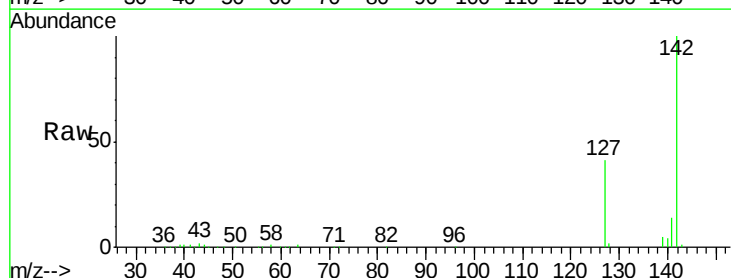
RT: 2.51 min Scan# 222

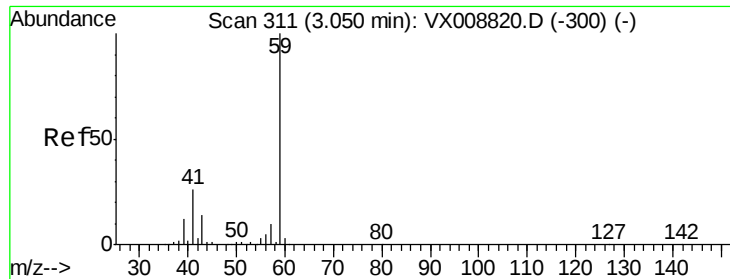
Delta R.T. 0.00 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

Tgt Ion:	142	Resp:	84988
Ion Ratio	Lower	Upper	
142	100		
127	41.5	33.0	49.6
141	14.4	11.4	17.2





#11

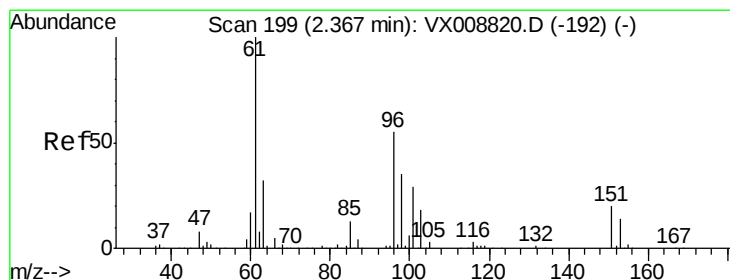
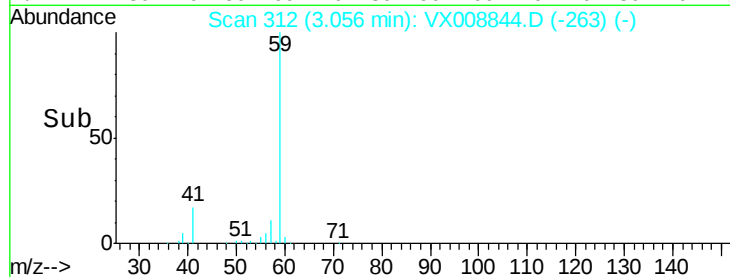
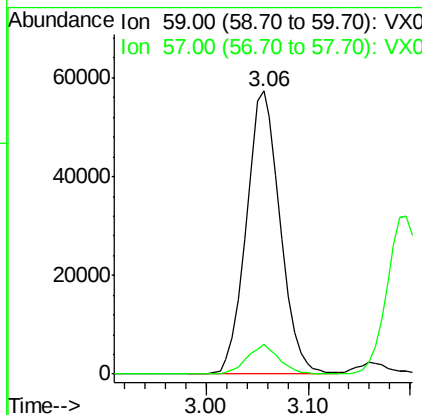
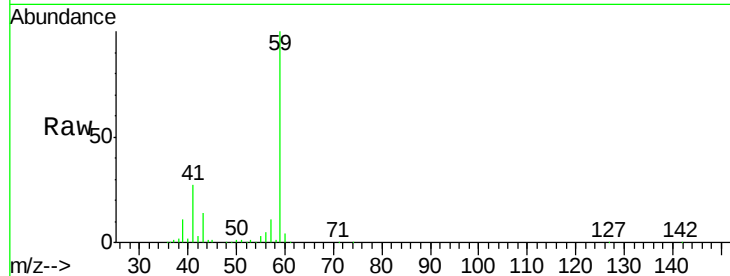
Tert butyl alcohol
Concen: 246.933 ug/l
RT: 3.06 min Scan# 312
Delta R.T. -0.00 min
Lab File: VX008844.D
Acq: 11 Apr 2019 07:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	57	Ratio	100	10.1	Resp	132243	Lower	8.3	Upper	12.5
Ion	59	57	Ratio	100	10.1	Resp	132243	Lower	8.3	Upper	12.5

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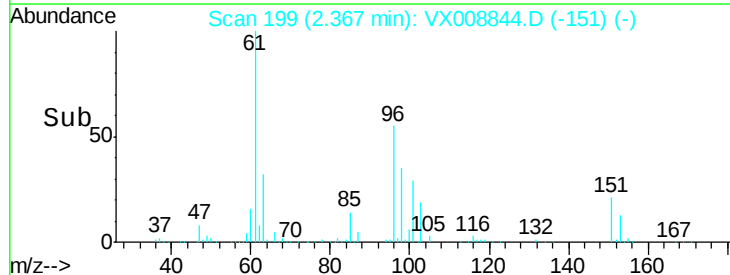
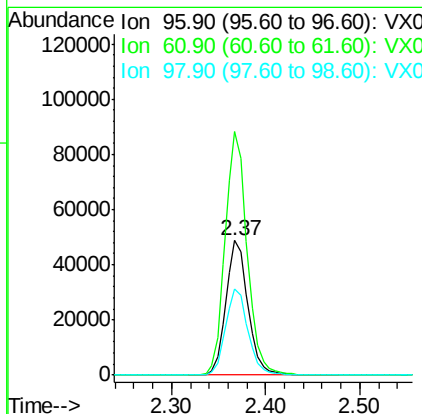
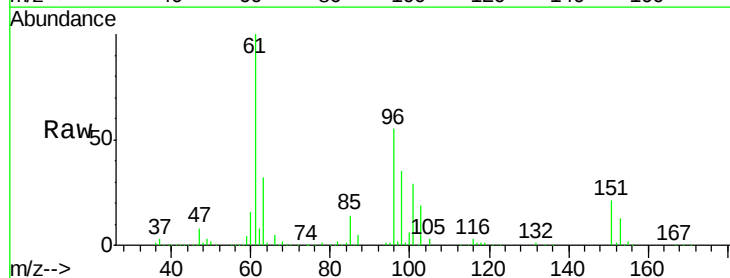
MMDadoda
4/11/2019 11:48:28 AM

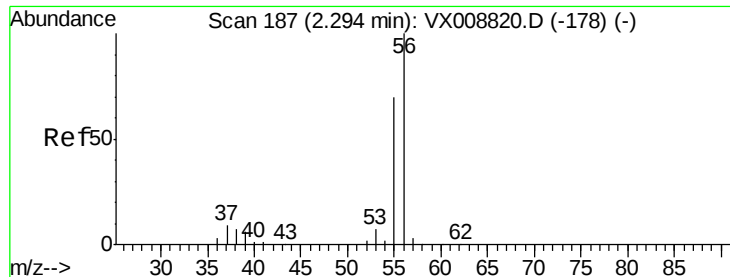


#12

1,1-Dichloroethene
Concen: 43.668 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX008844.D
Acq: 11 Apr 2019 07:21

Tgt Ion	96	61	98	Ratio	100	181.3	63.8	Resp	79177	Lower	140.9	52.1	Upper	211.3	78.1
Ion	96	61	98	Ratio	100	181.3	63.8	Resp	79177	Lower	140.9	52.1	Upper	211.3	78.1





#13

Acrolein

Concen: 397.653 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 105597

Ion Ratio Lower Upper

56 100

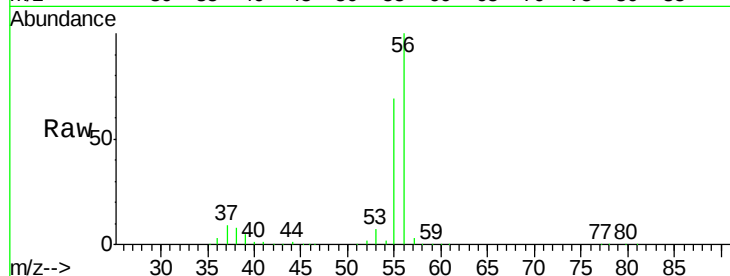
55 70.1 58.0 87.0

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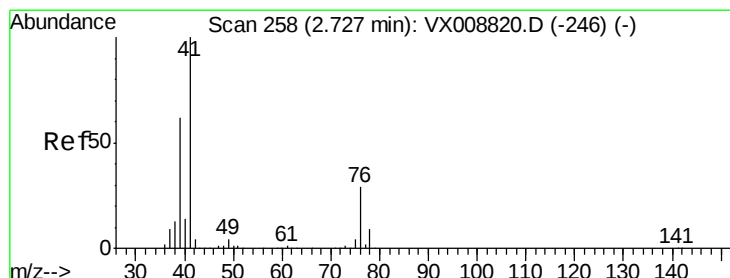
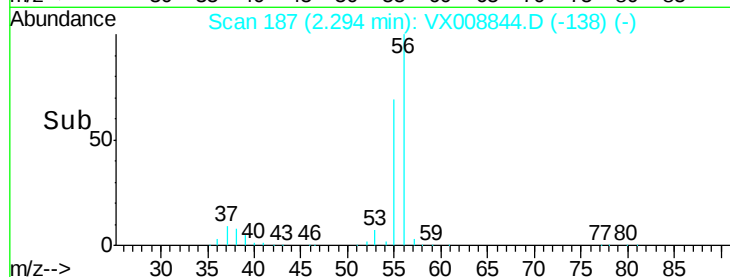
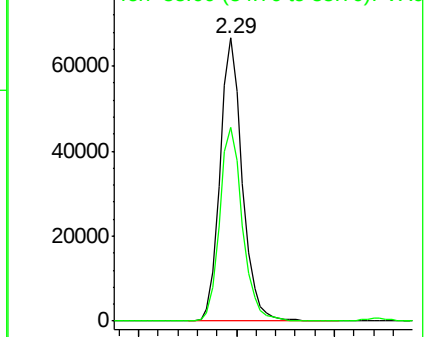
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 44.377 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

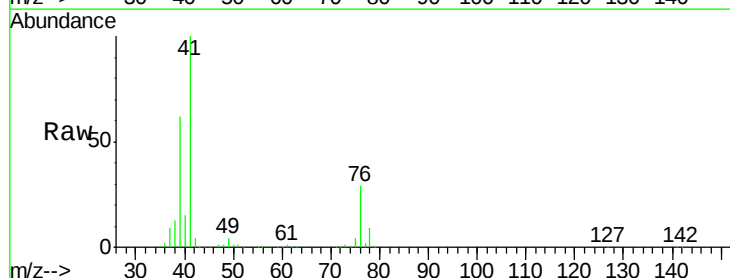
Tgt Ion: 41 Resp: 184200

Ion Ratio Lower Upper

41 100

39 58.3 48.0 72.0

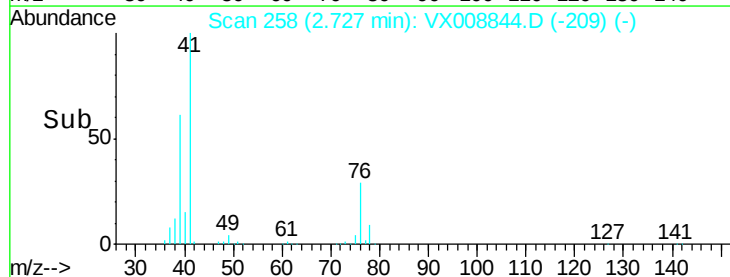
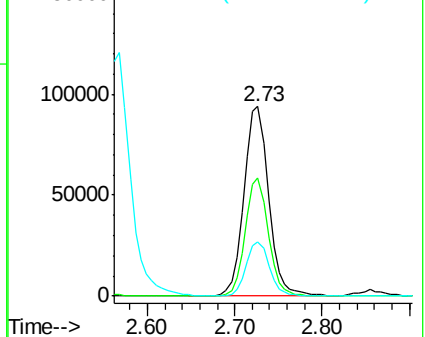
76 27.1 22.0 33.0

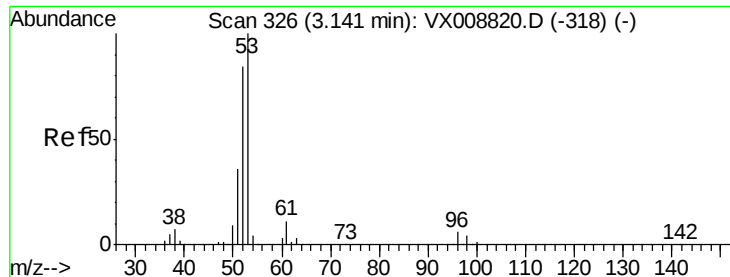


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 237.926 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

Instrument :

MSVOA_X

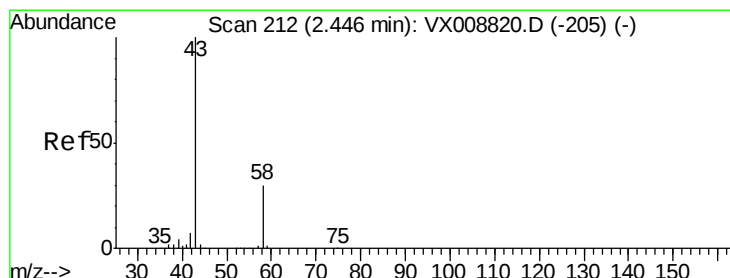
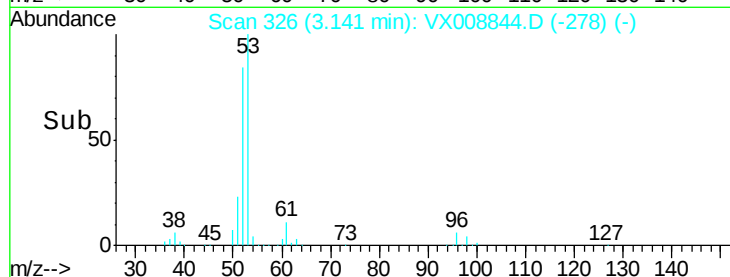
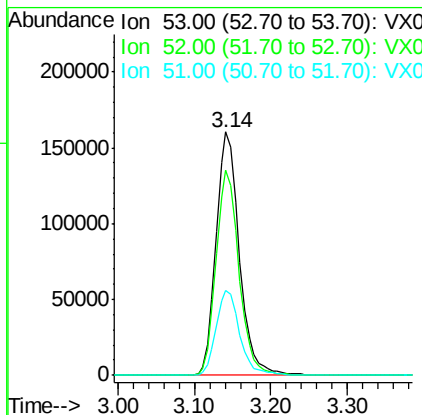
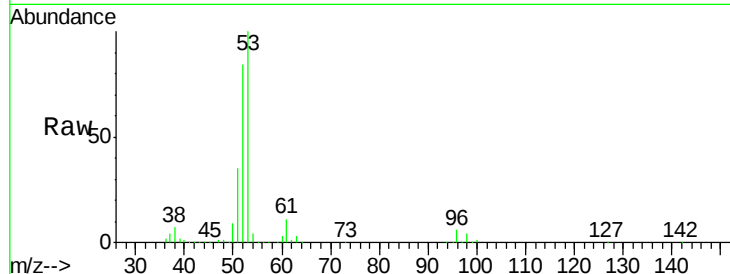
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	337557
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.5	99.7
51	35.4	28.6	42.8

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#16

Acetone

Concen: 219.339 ug/l

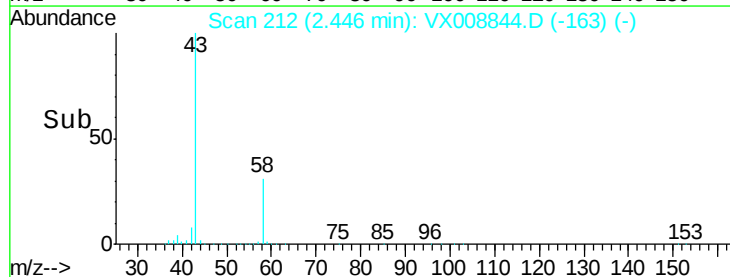
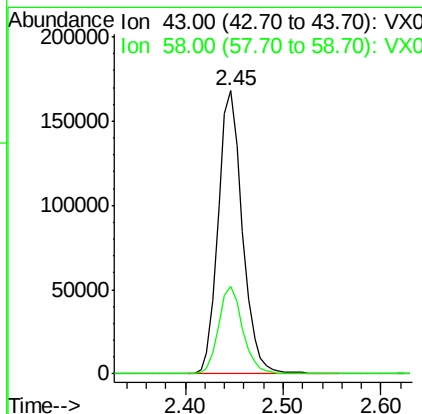
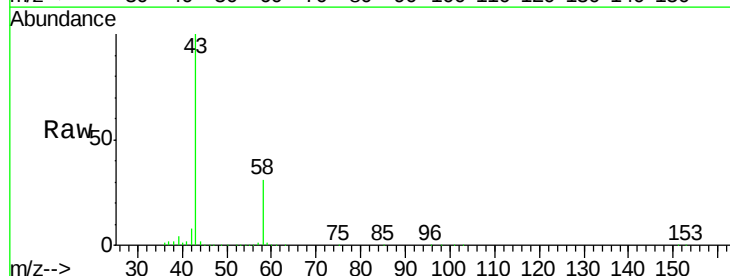
RT: 2.45 min Scan# 212

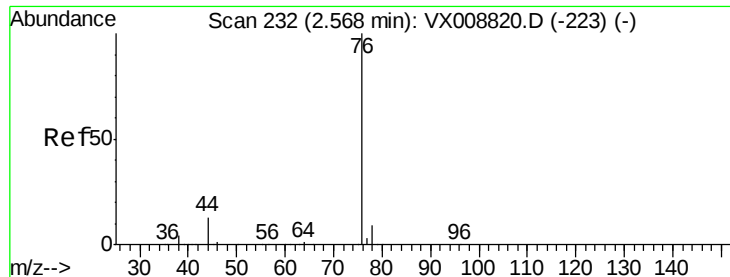
Delta R.T. -0.00 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

Tgt Ion:	43	Resp:	288992
Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.8	37.2





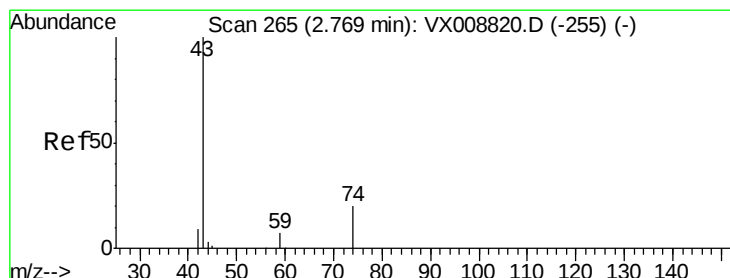
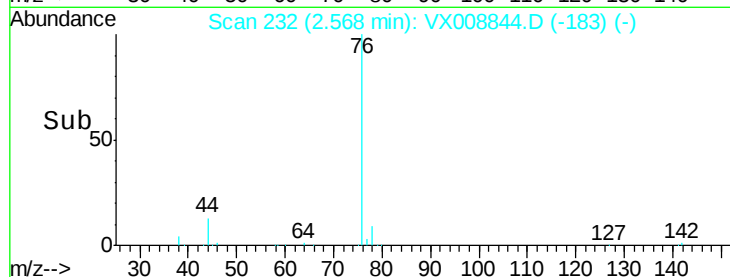
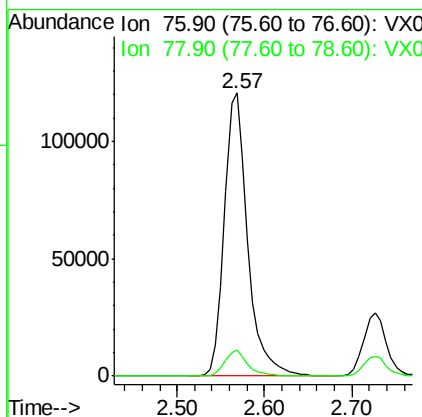
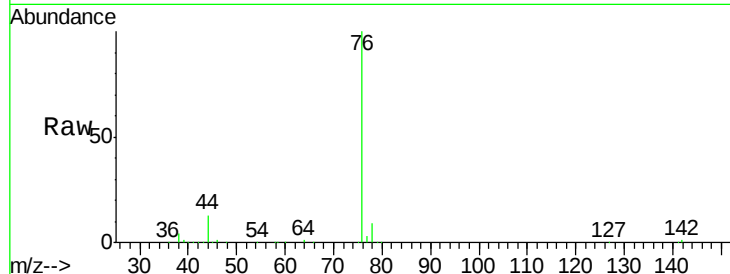
#17
Carbon Disulfide
Concen: 42.404 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008844.D
Acq: 11 Apr 2019 07:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

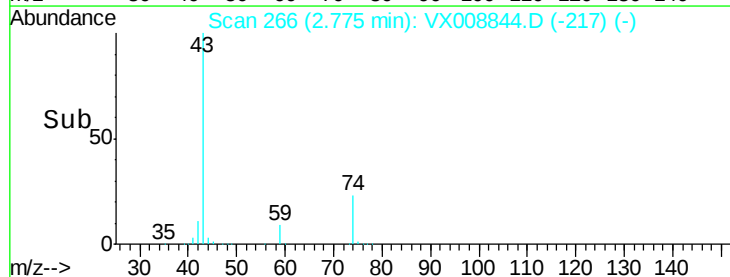
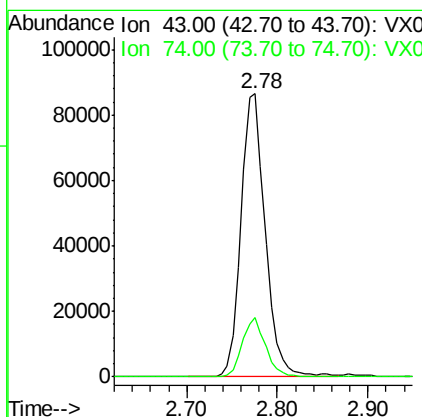
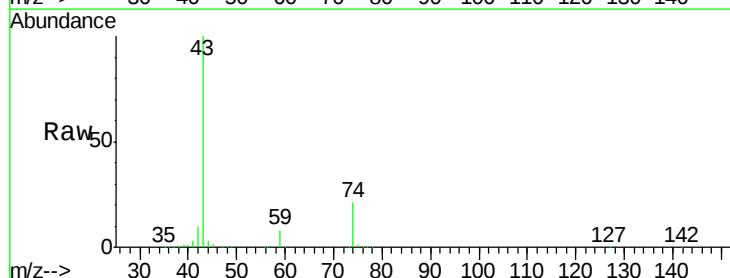
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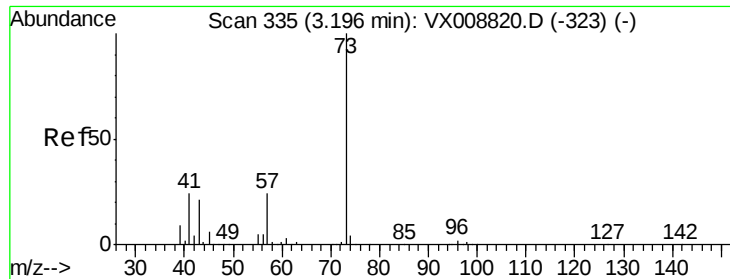
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#18
Methyl Acetate
Concen: 49.962 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX008844.D
Acq: 11 Apr 2019 07:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.5	16.5	24.7





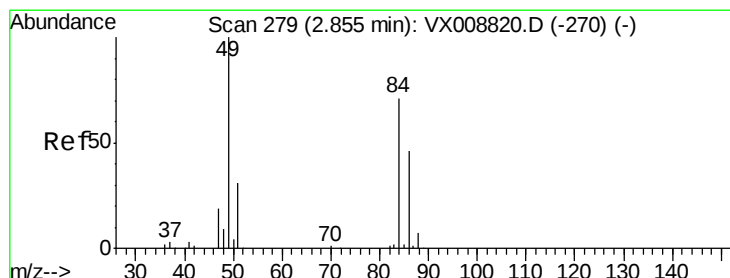
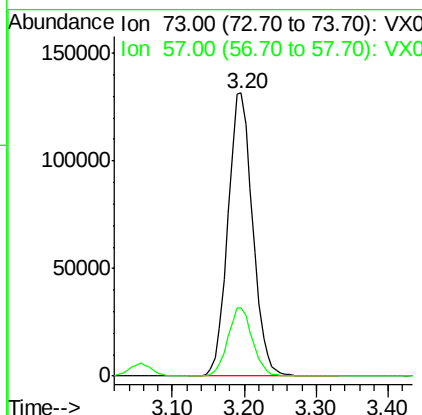
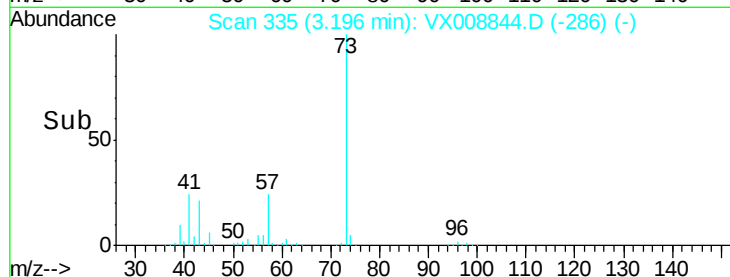
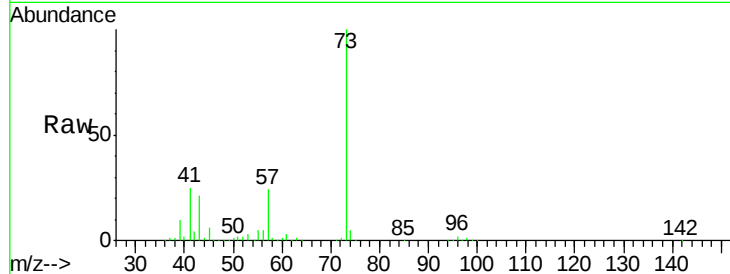
#19
Methyl tert-butyl Ether
Concen: 48.541 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX008844.D
Acq: 11 Apr 2019 07:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.4	19.5	29.3

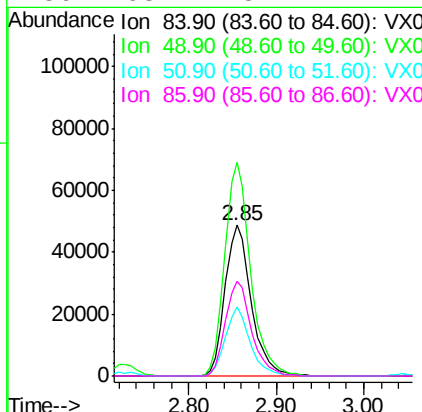
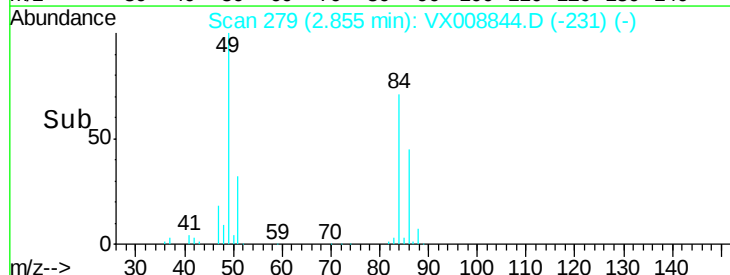
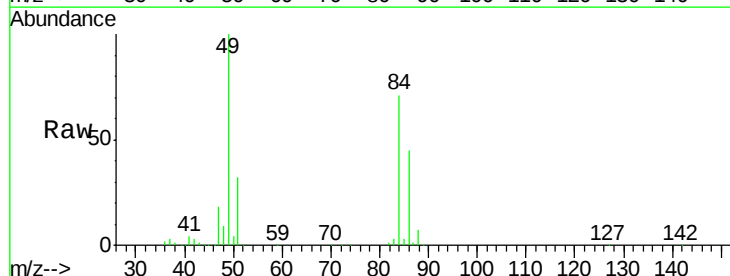
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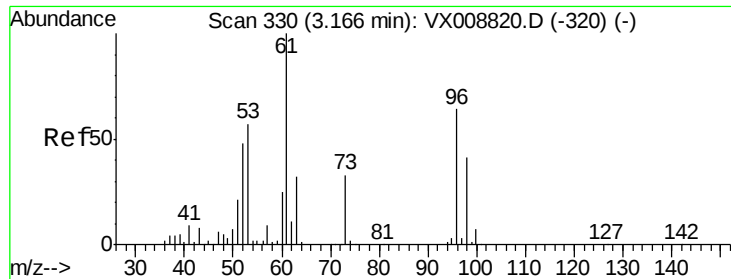
MMDadoda
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#20
Methylene Chloride
Concen: 45.793 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008844.D
Acq: 11 Apr 2019 07:21

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.8	109.7	164.5
51	45.5	33.6	50.4
86	63.2	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 43.622 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

Instrument :

MSVOA_X

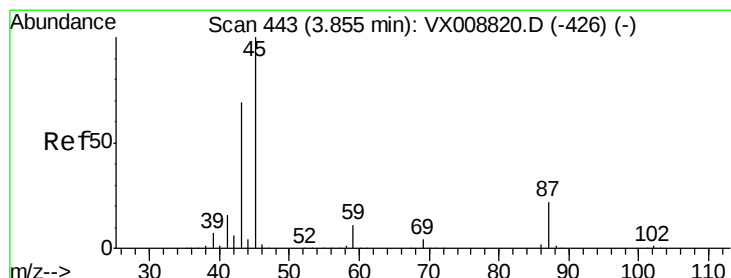
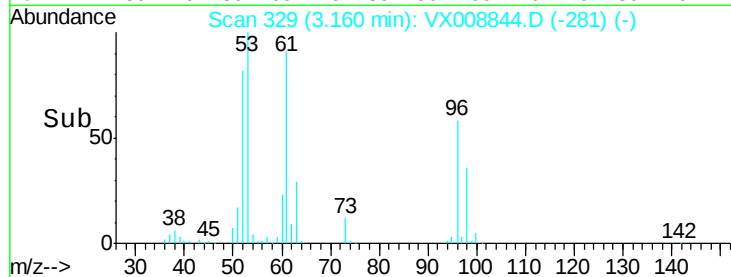
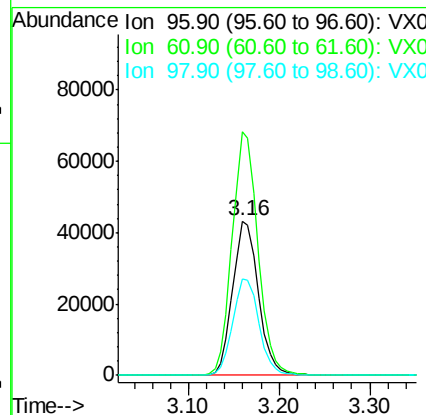
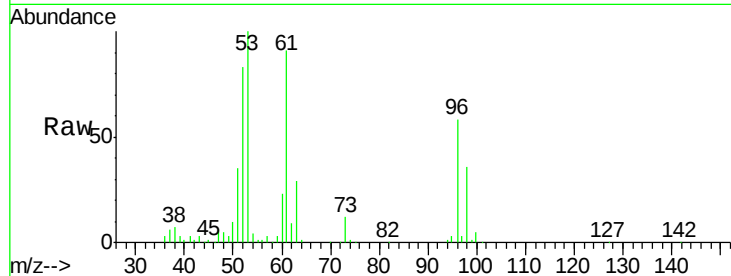
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	85552
Ion	Ratio	Lower	Upper
96	100		
61	157.9	132.1	198.1
98	62.4	52.2	78.2

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#22

Diisopropyl ether

Concen: 47.462 ug/l

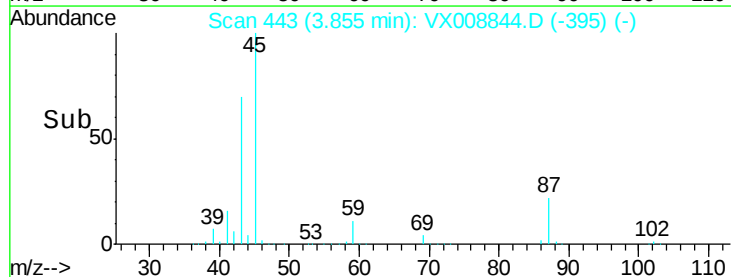
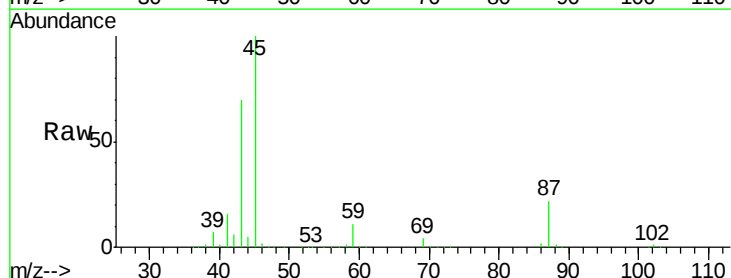
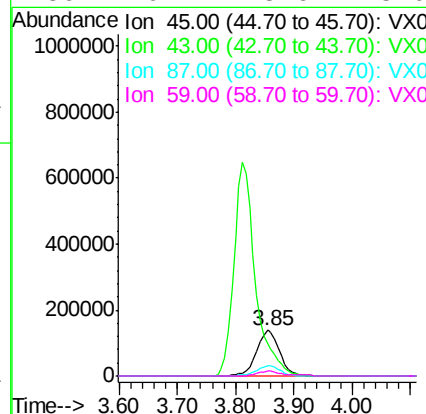
RT: 3.85 min Scan# 443

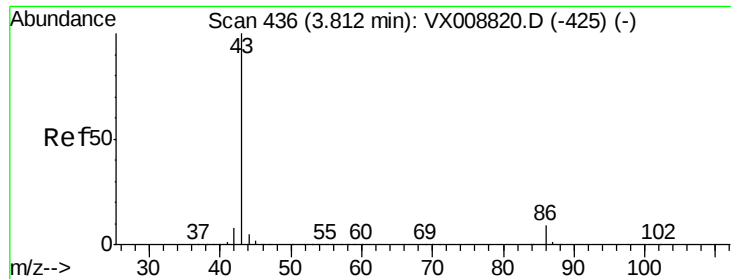
Delta R.T. -0.01 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

Tgt Ion:	45	Resp:	379708
Ion	Ratio	Lower	Upper
45	100		
43	69.9	51.3	76.9
87	22.3	18.1	27.1
59	10.7	8.6	13.0





#23

Vinyl Acetate

Concen: 239.156 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1664456

Ion Ratio Lower Upper

43 100

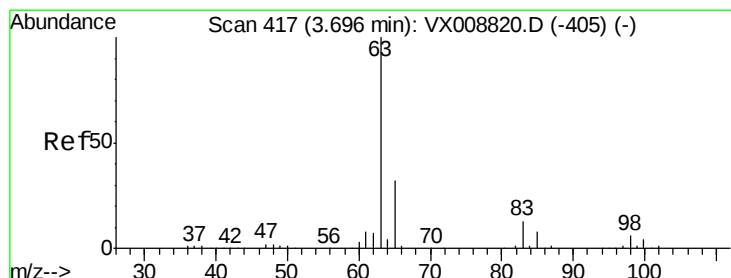
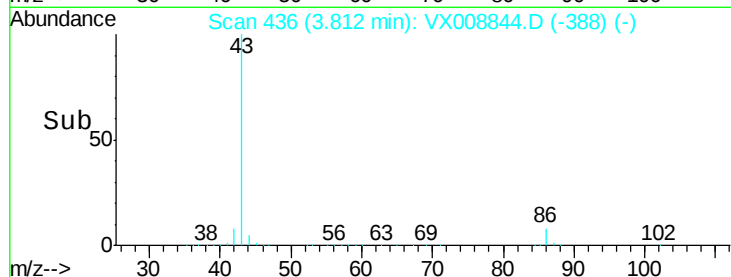
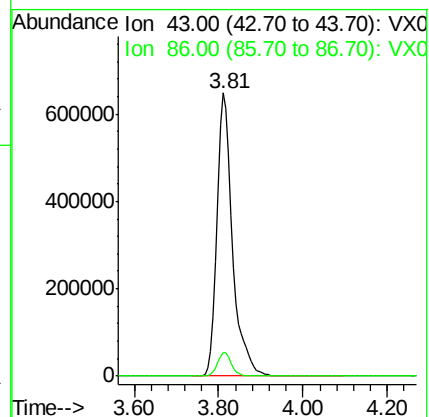
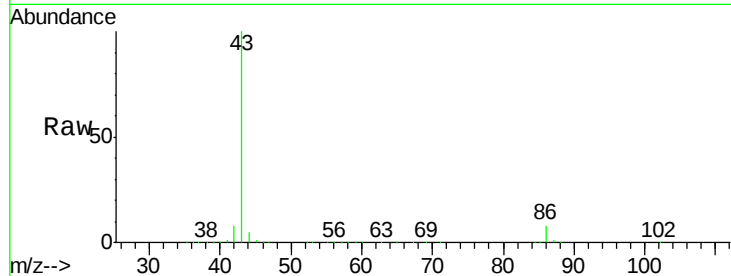
86 8.4 7.0 10.6

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#24

1,1-Dichloroethane

Concen: 46.314 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

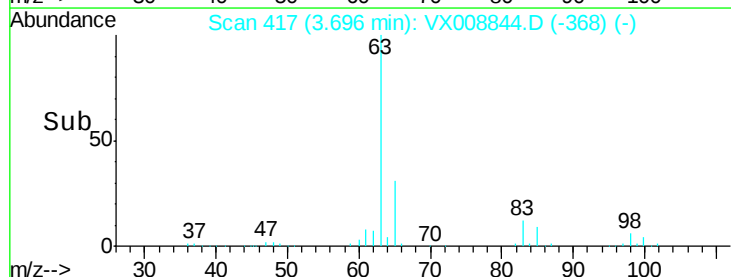
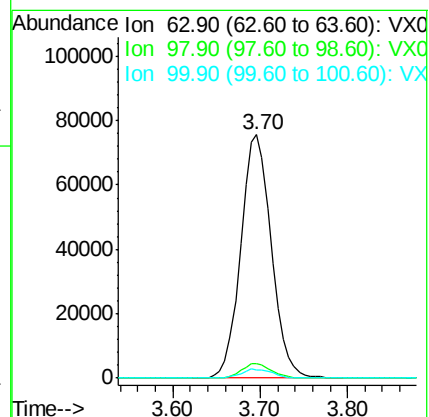
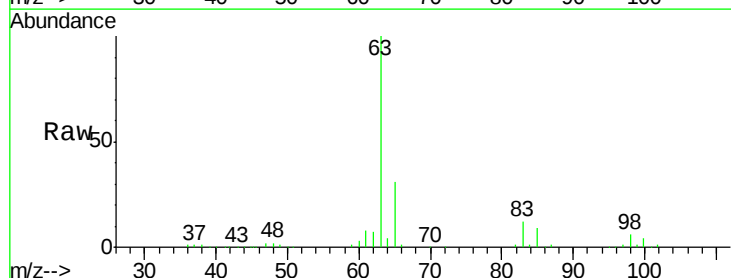
Tgt Ion: 63 Resp: 183451

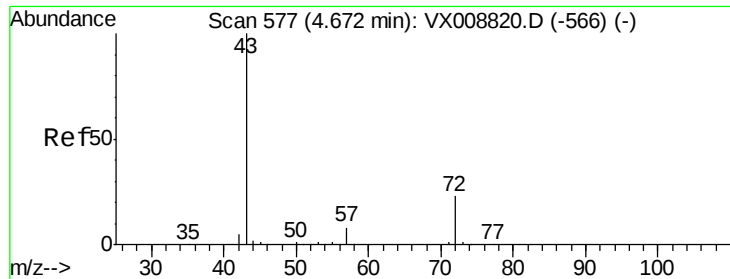
Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

100 3.6 1.8 5.5





#25

2-Butanone

Concen: 238.361 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 496372

Ion Ratio Lower Upper

43 100

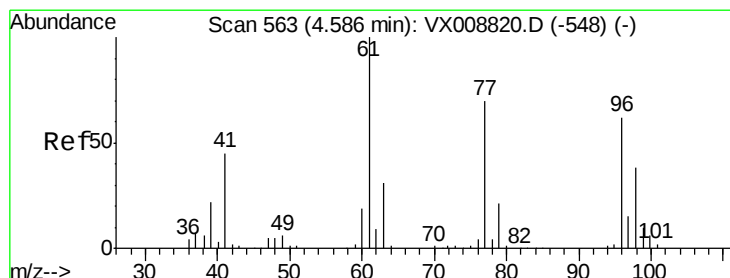
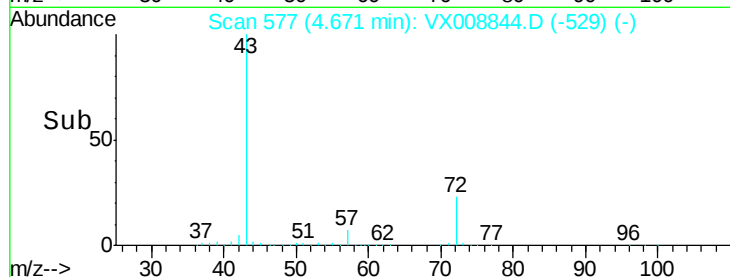
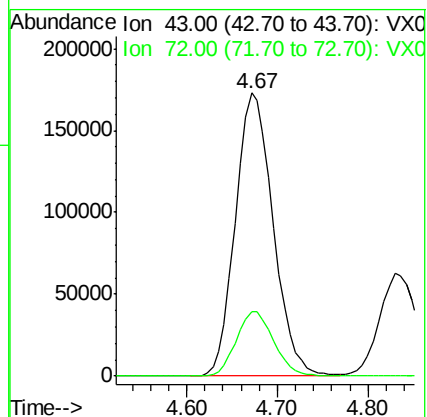
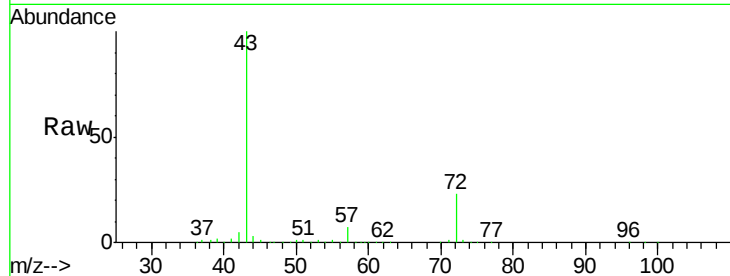
72 22.7 18.2 27.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 31.455 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008844.D

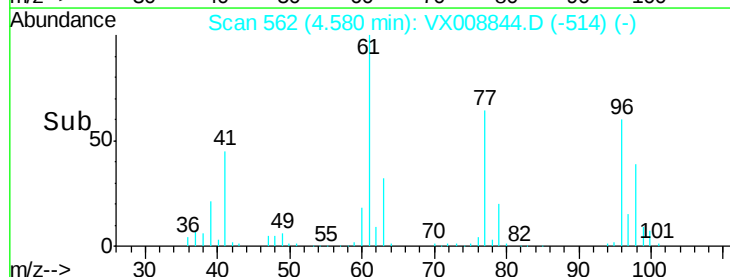
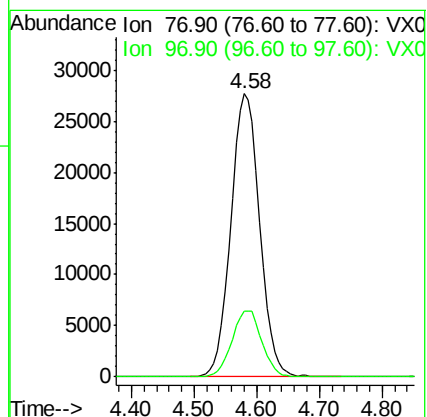
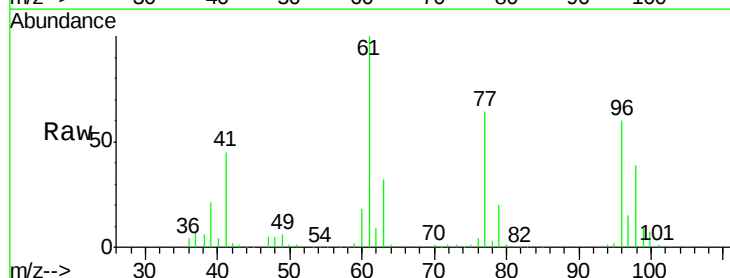
Acq: 11 Apr 2019 07:21

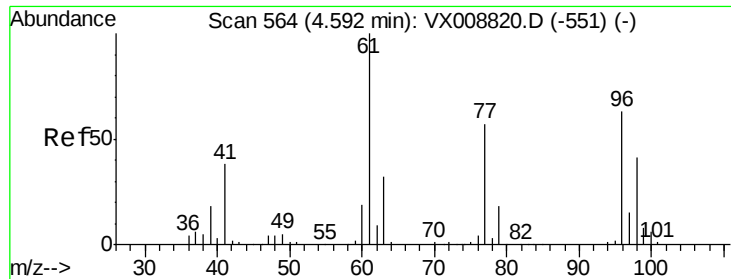
Tgt Ion: 77 Resp: 87755

Ion Ratio Lower Upper

77 100

97 24.2 11.5 34.5





#27

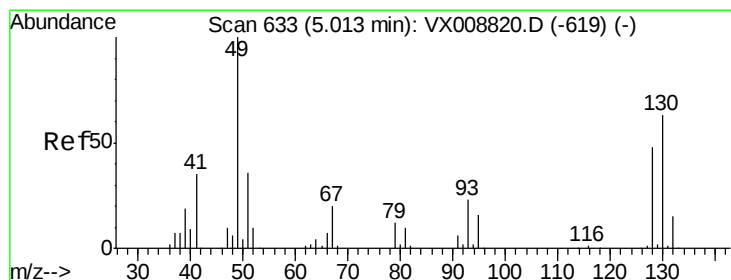
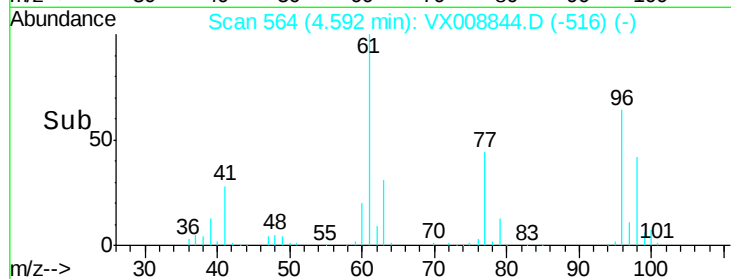
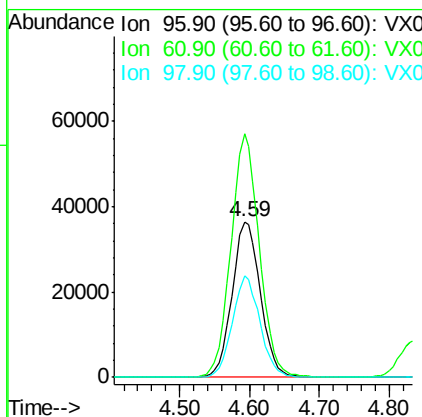
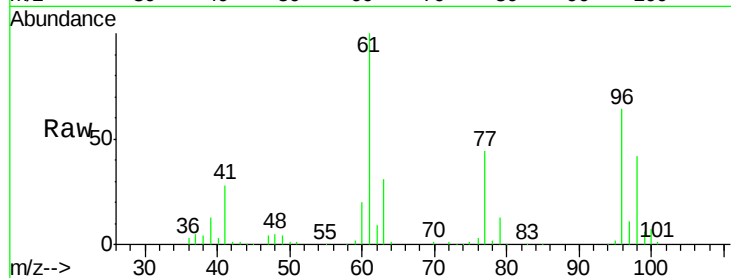
cis-1,2-Dichloroethene
 Concen: 45.358 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX008844.D
 Acq: 11 Apr 2019 07:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	102276		
61	156.7		0.0	327.6
98	63.8		0.0	128.6

Manual Integrations
 APPROVED

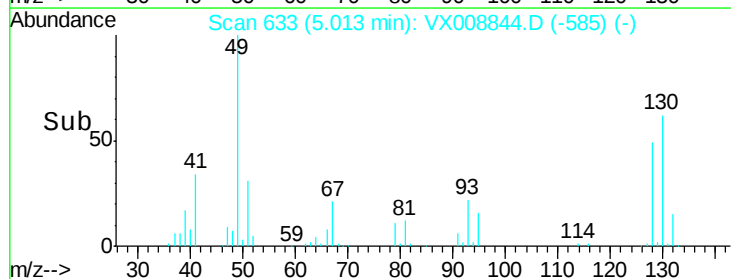
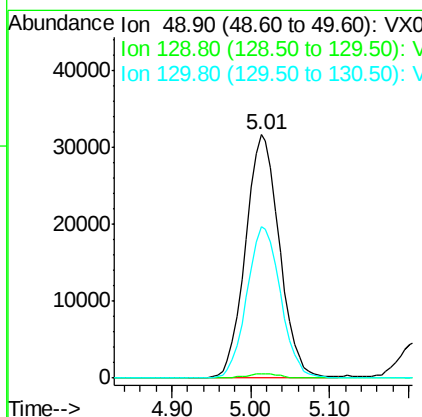
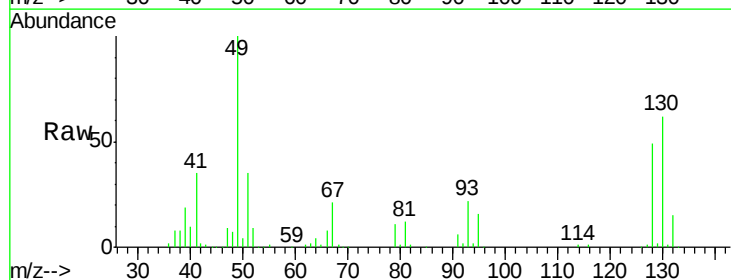
MMDadoda
 4/11/2019 11:48:28 AM

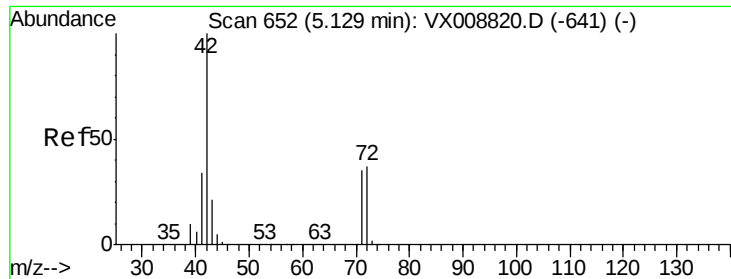


#28

Bromochloromethane
 Concen: 57.850 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX008844.D
 Acq: 11 Apr 2019 07:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	94932		
129	1.7		0.0	3.6
130	61.8		49.3	73.9





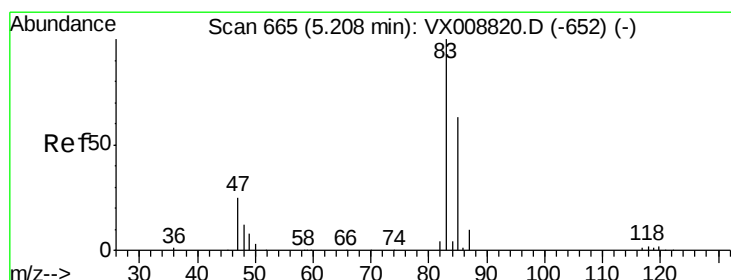
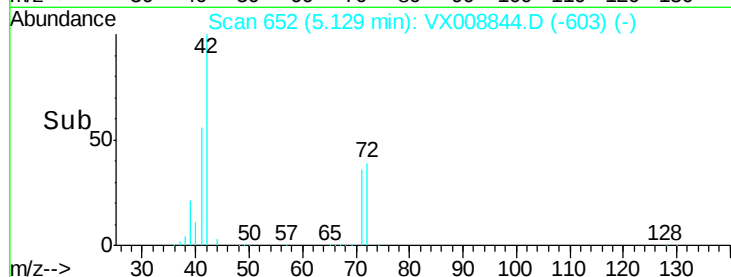
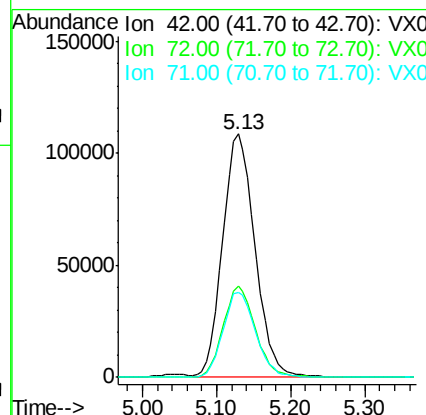
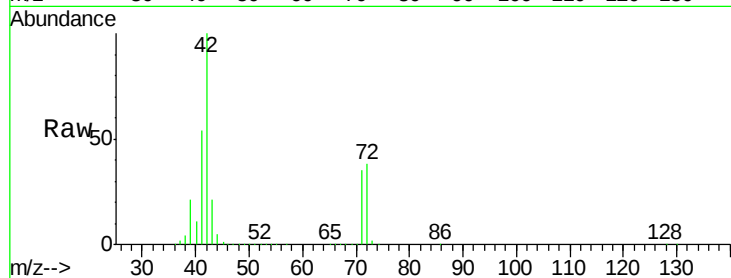
#29
Tetrahydrofuran
Concen: 236.593 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX008844.D
Acq: 11 Apr 2019 07:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	30.5	45.7
71	35.4	28.6	43.0

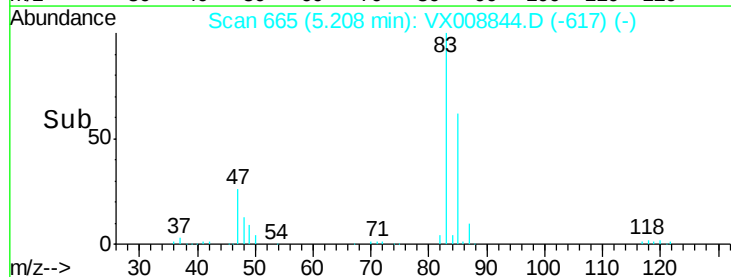
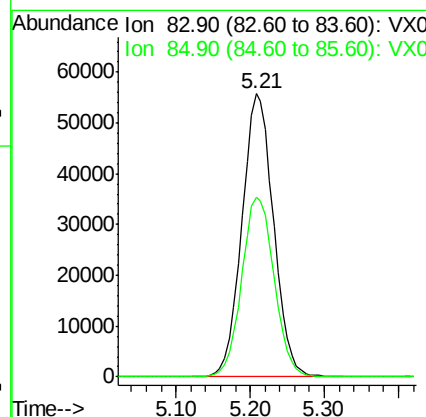
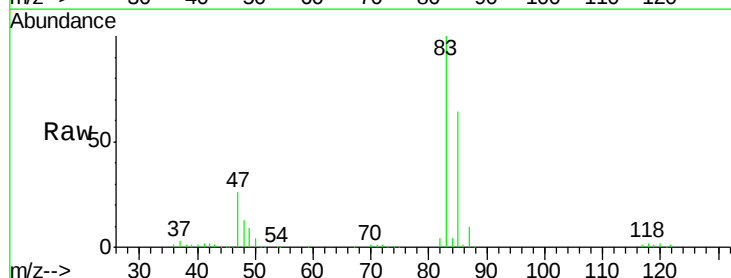
Manual Integrations
APPROVED

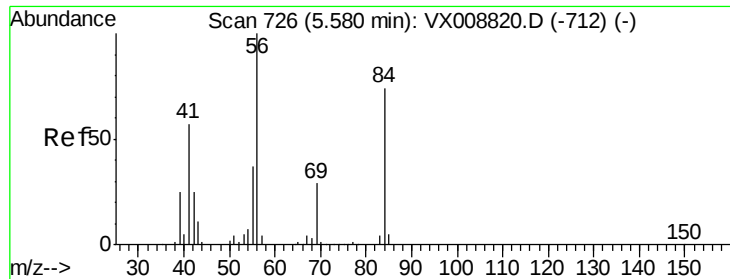
MMDadoda
4/11/2019 11:48:28 AM



#30
Chloroform
Concen: 46.883 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX008844.D
Acq: 11 Apr 2019 07:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.1	78.1





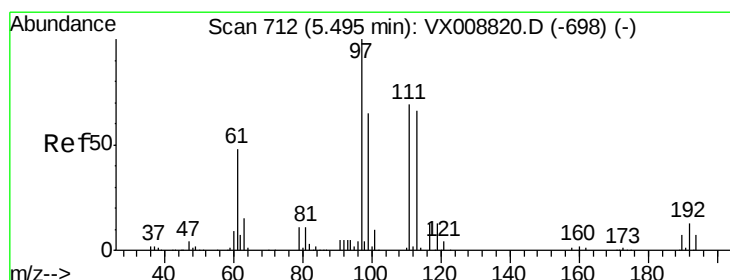
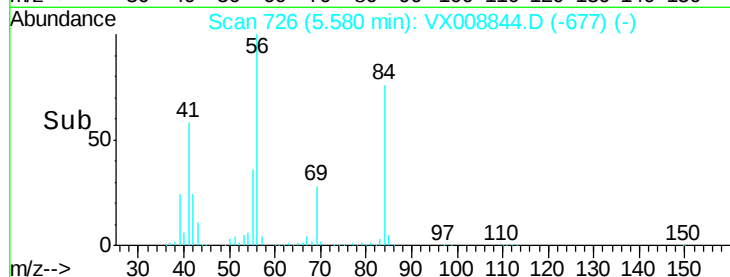
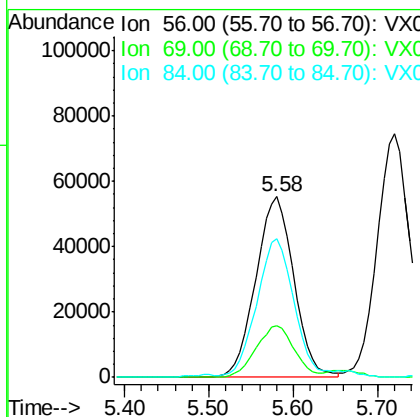
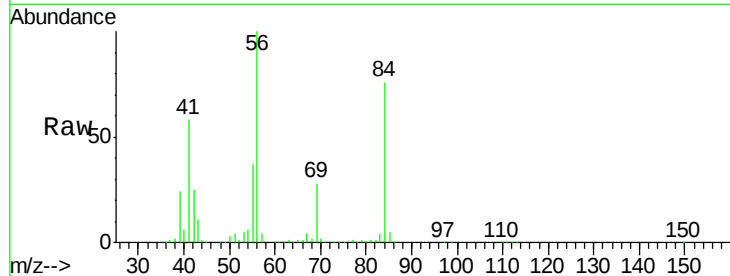
#31
Cyclohexane
Concen: 43.476 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX008844.D
Acq: 11 Apr 2019 07:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.3	22.6	33.8
84	75.5	59.3	88.9

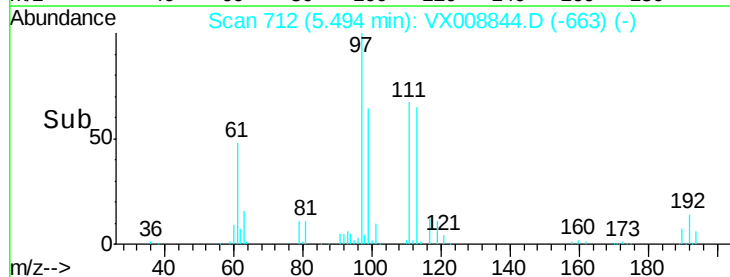
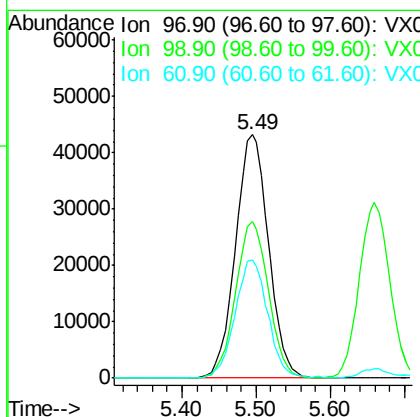
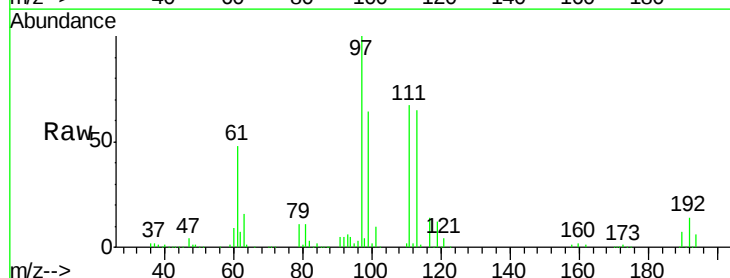
Manual Integrations
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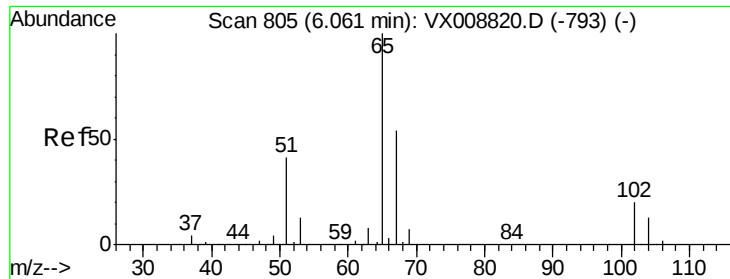
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 47.078 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX008844.D
Acq: 11 Apr 2019 07:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.3	76.9
61	48.0	38.9	58.3





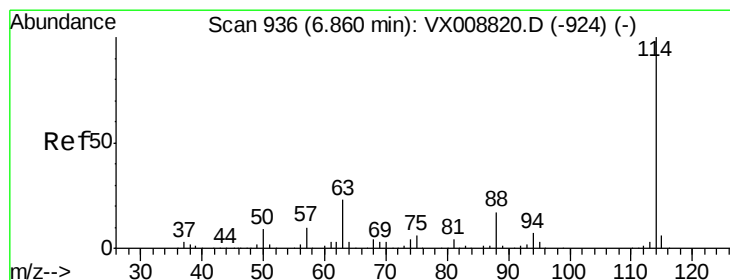
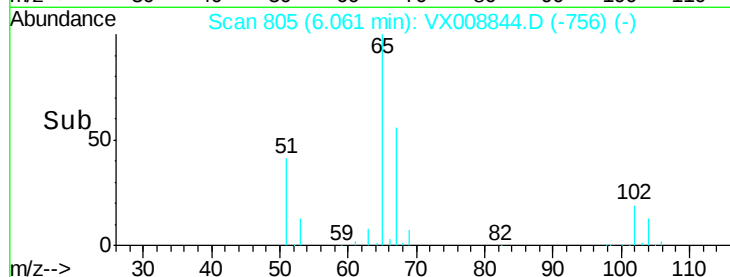
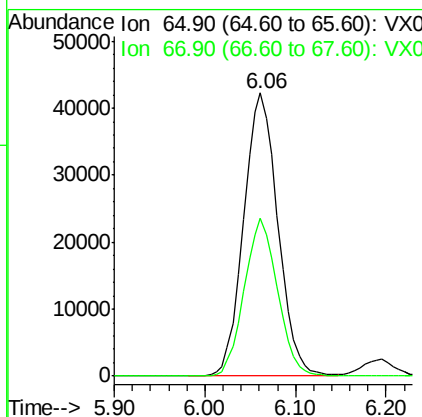
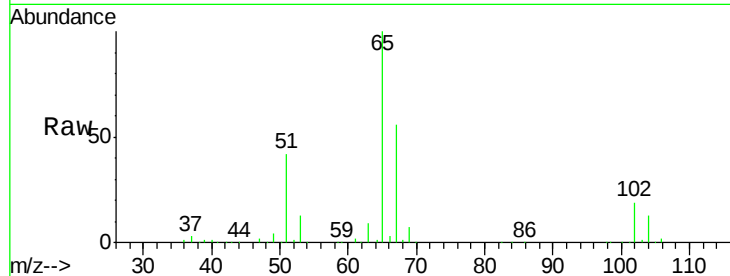
#33
 1,2-Dichloroethane-d4
 Concen: 48.237 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008844.D
 Acq: 11 Apr 2019 07:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	107.2

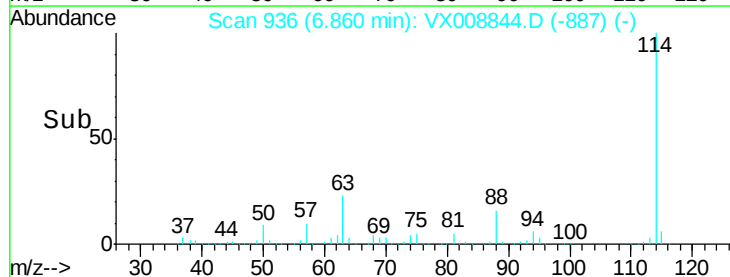
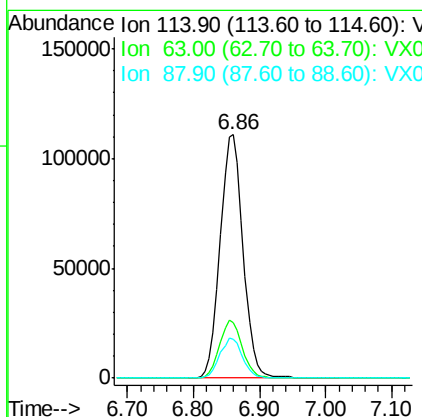
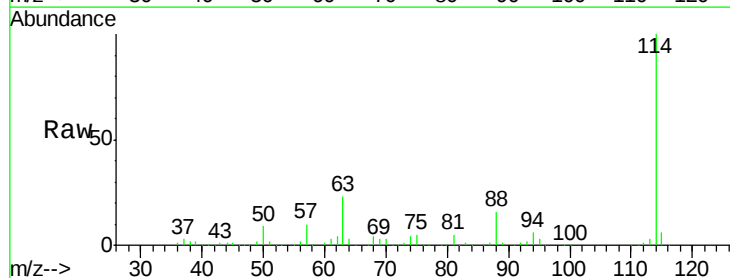
Manual Integrations
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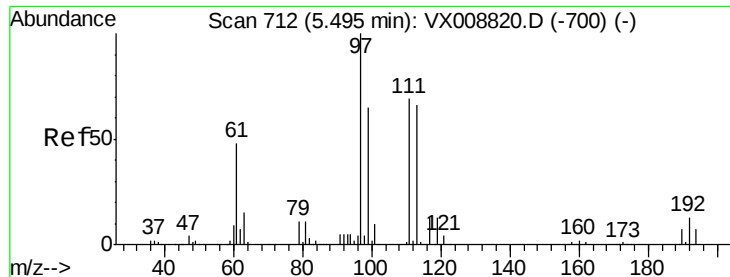
MMDadoda
 4/11/2019 11:48:28 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008844.D
 Acq: 11 Apr 2019 07:21

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	47.2
88	16.0	0.0	34.0





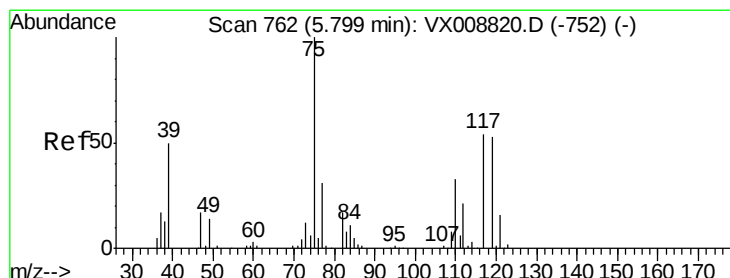
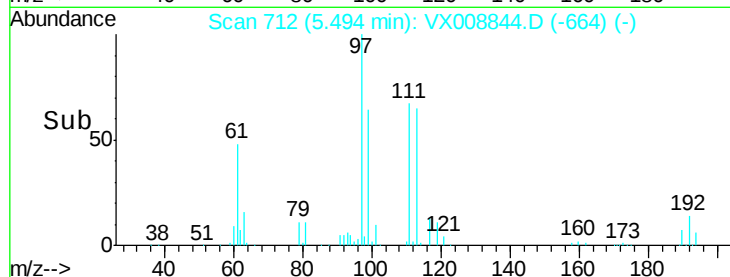
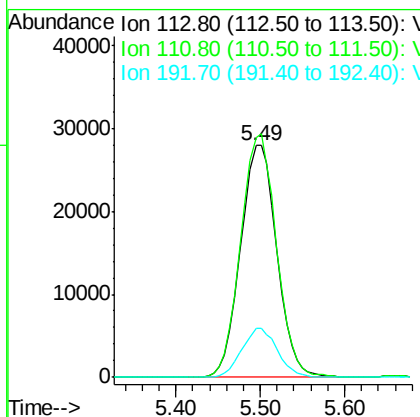
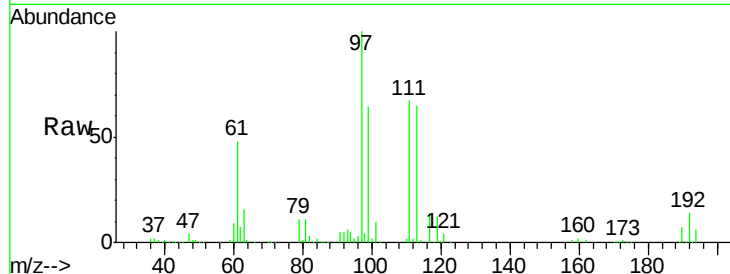
#35
 Dibromofluoromethane
 Concen: 47.883 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX008844.D
 Acq: 11 Apr 2019 07:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.4	125.2
192	20.8	16.1	24.1

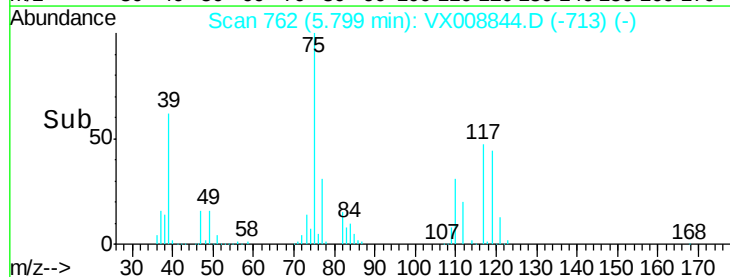
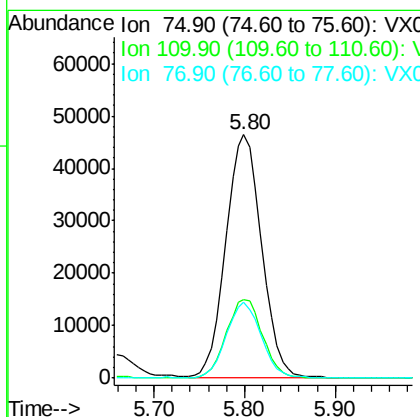
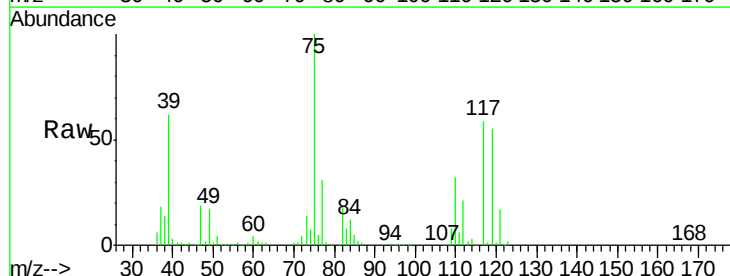
Manual Integrations
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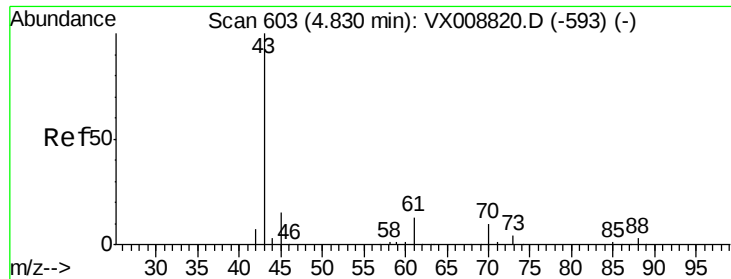
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 43.471 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX008844.D
 Acq: 11 Apr 2019 07:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.4	49.2
77	30.8	24.7	37.1





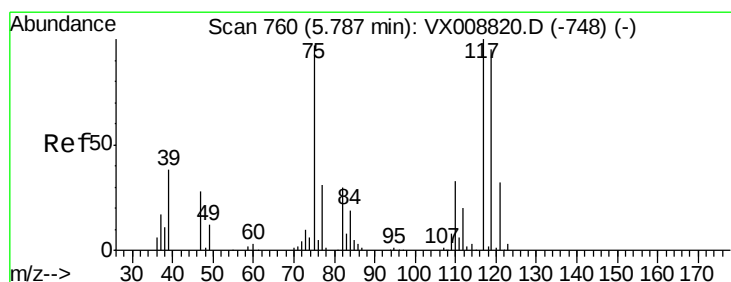
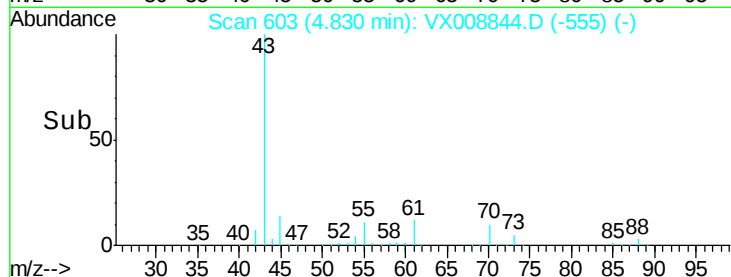
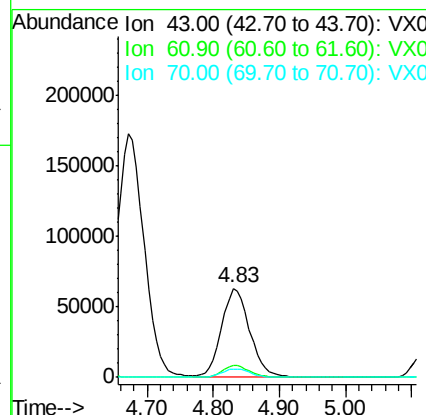
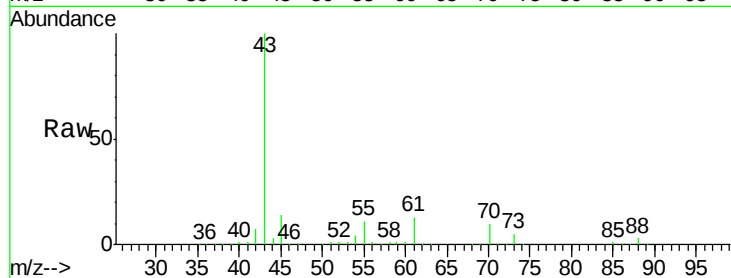
#37
Ethyl Acetate
Concen: 47.880 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX008844.D
Acq: 11 Apr 2019 07:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.3	15.5
70	9.5	7.6	11.4

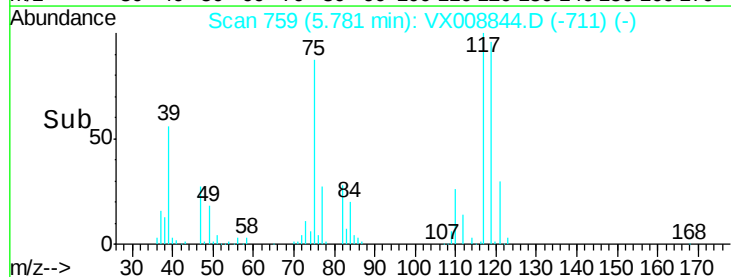
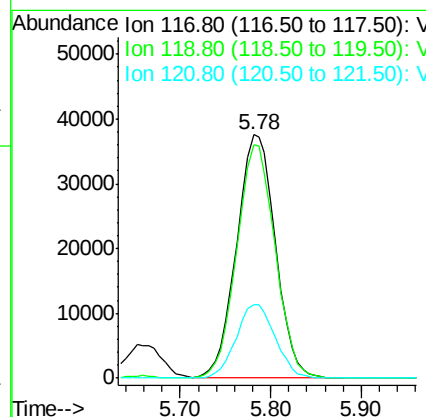
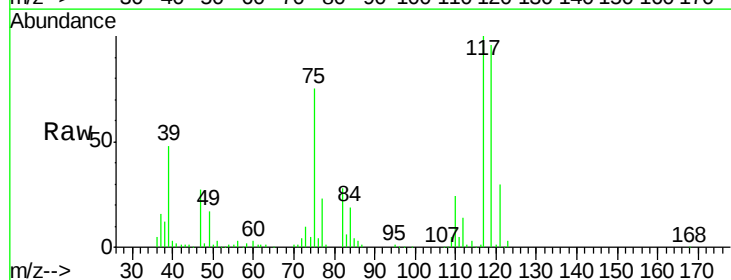
Manual Integrations
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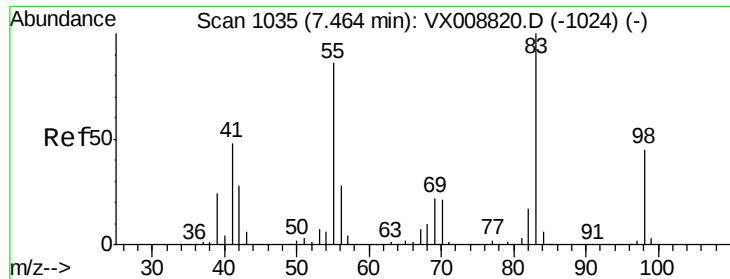
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#38
Carbon Tetrachloride
Concen: 46.276 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008844.D
Acq: 11 Apr 2019 07:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	75.0	112.6
121	30.3	24.3	36.5





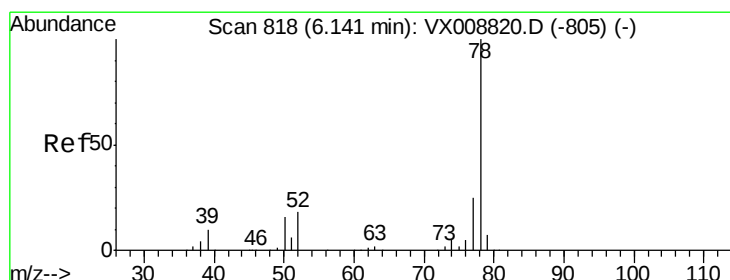
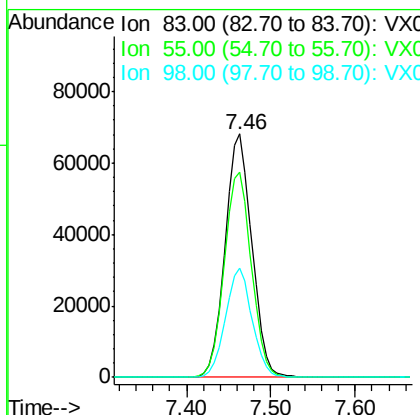
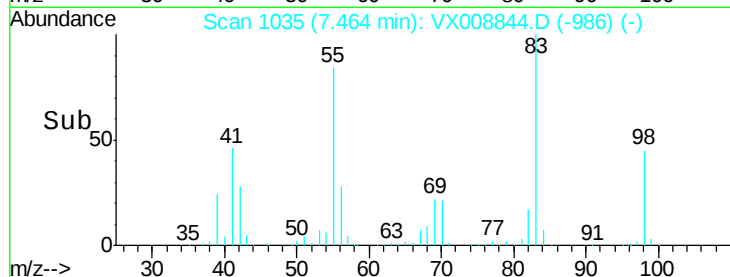
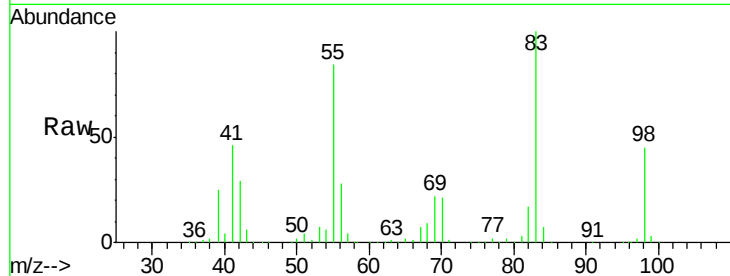
#39
Methvlcvclohexane
Concen: 40.986 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008844.D
Acq: 11 Apr 2019 07:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	147468
Ion Ratio	Lower	Upper	
83	100		
55	84.3	69.0	103.6
98	44.9	34.4	51.6

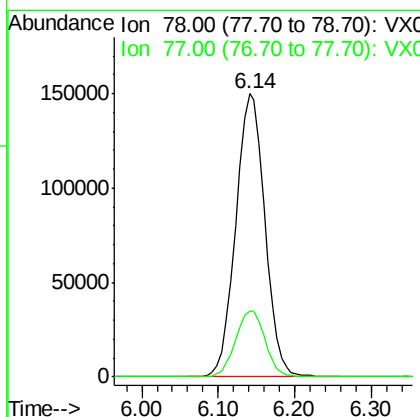
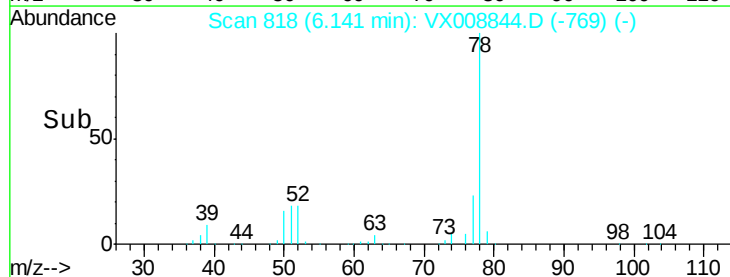
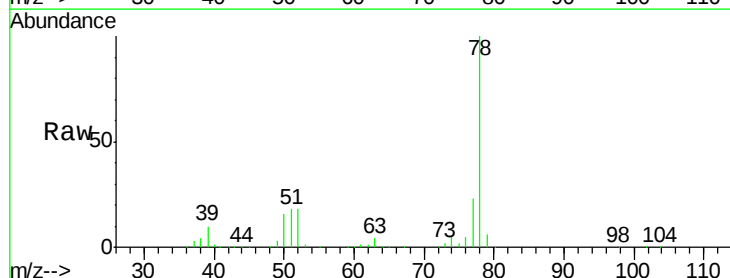
Manual Integrations
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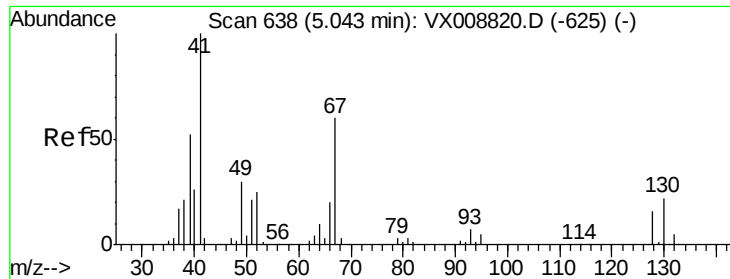
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#40
Benzene
Concen: 45.582 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008844.D
Acq: 11 Apr 2019 07:21

Tgt Ion	78	Resp	395510
Ion Ratio	Lower	Upper	
78	100		
77	23.4	19.1	28.7





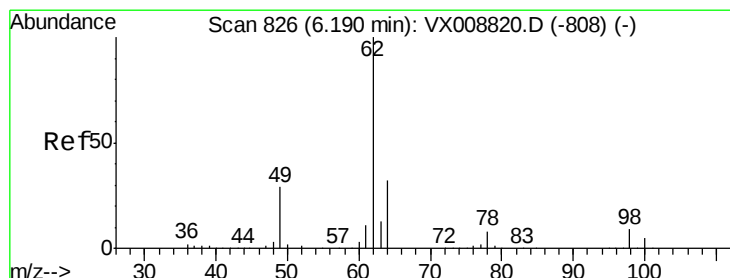
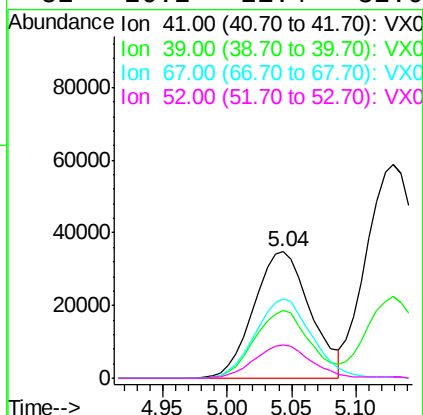
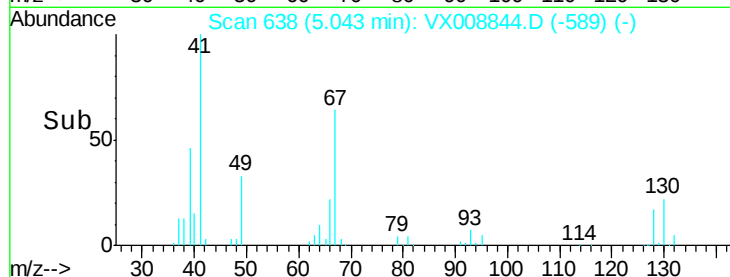
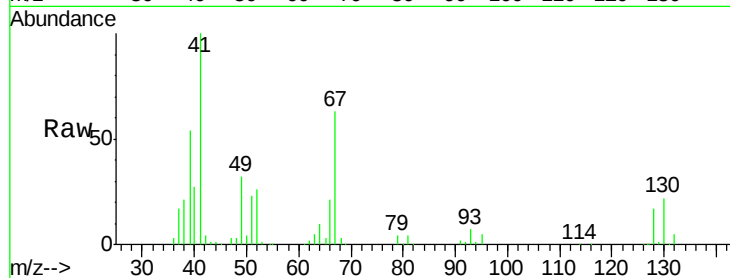
#41
Methacrylonitrile
Concen: 47.298 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX008844.D
Acq: 11 Apr 2019 07:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.6	42.1	63.1	
67	63.2	51.0	76.6	
52	26.2	21.4	32.0	

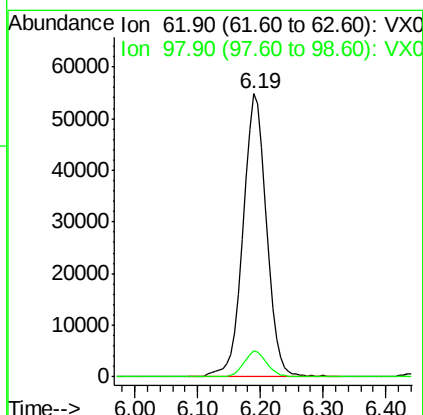
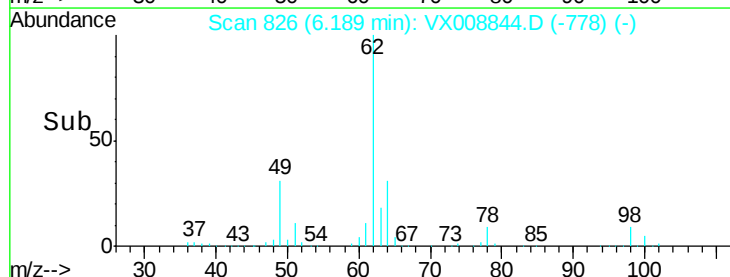
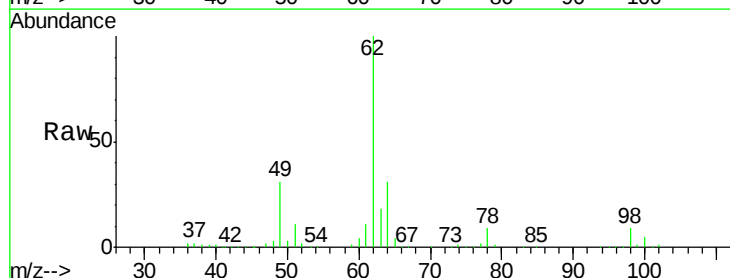
Manual Integrations
APPROVED

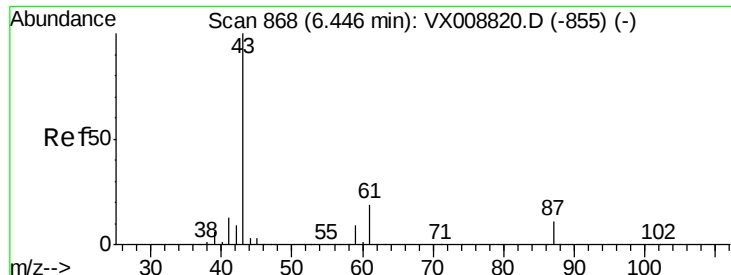
MMDadoda
4/11/2019 11:48:28 AM



#42
1,2-Dichloroethane
Concen: 45.708 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX008844.D
Acq: 11 Apr 2019 07:21

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	18.0	





#43

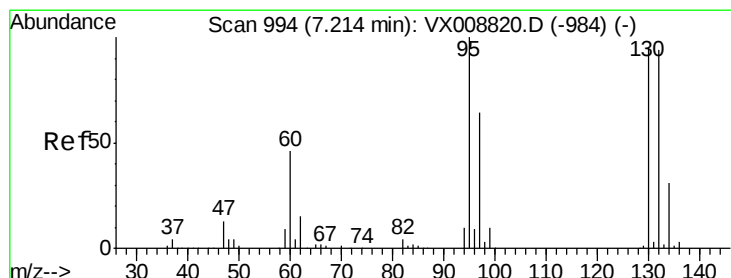
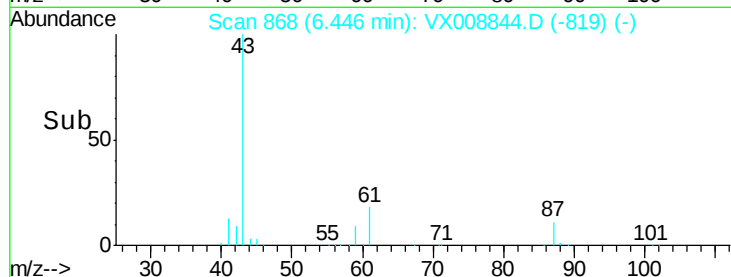
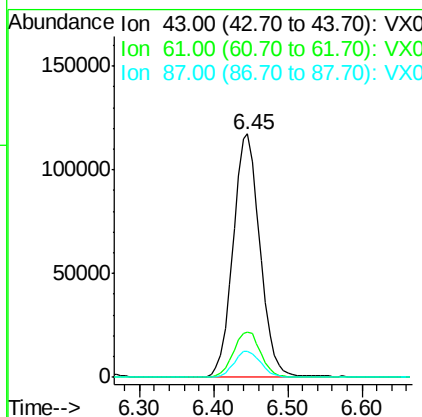
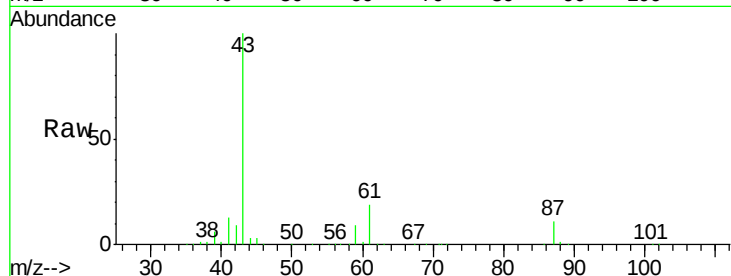
Isopropyl Acetate
 Concen: 48.677 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX008844.D
 Acq: 11 Apr 2019 07:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.3	22.9
87	11.0	9.0	13.6

Manual Integrations
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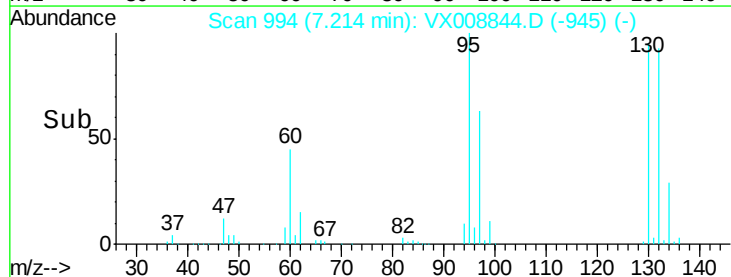
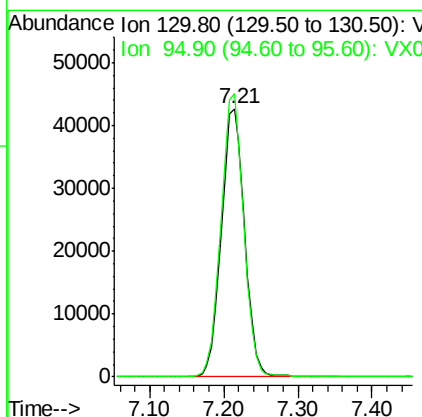
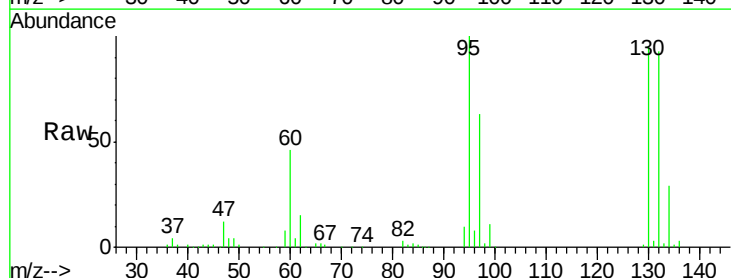
MMDadoda
 4/11/2019 11:48:28 AM

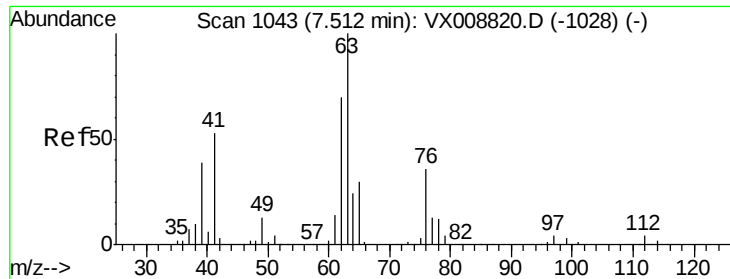


#44

Trichloroethene
 Concen: 45.672 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008844.D
 Acq: 11 Apr 2019 07:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.5	0.0	209.8





#45

1,2-Dichloropropane

Concen: 45.480 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 112636

Ion Ratio Lower Upper

63 100

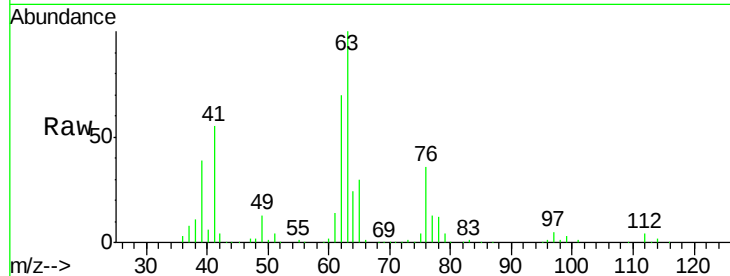
65 30.3 24.2 36.4

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

60000

50000

40000

30000

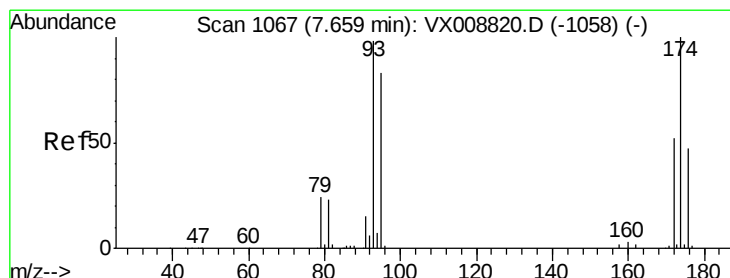
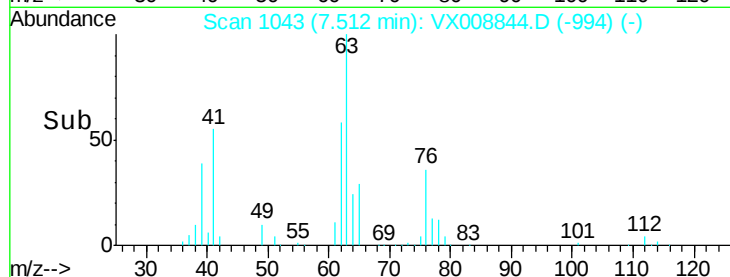
20000

10000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 44.577 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

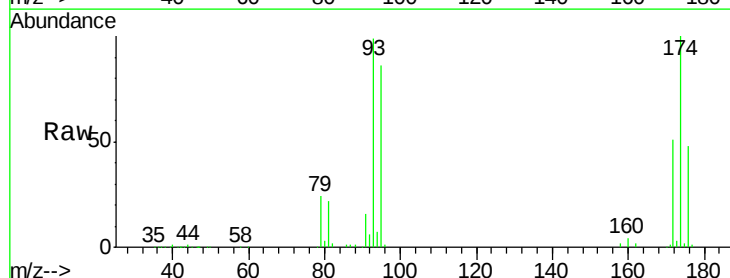
Tgt Ion: 93 Resp: 64029

Ion Ratio Lower Upper

93 100

95 84.2 66.6 99.8

174 100.8 77.7 116.5



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

40000

30000

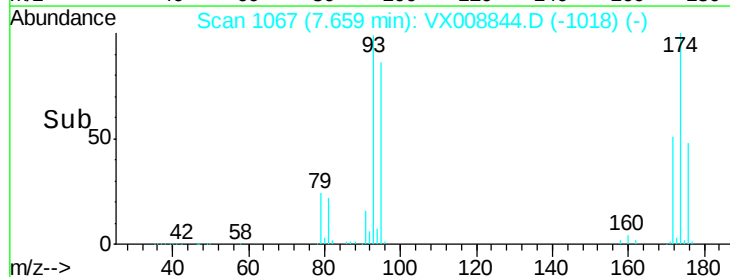
20000

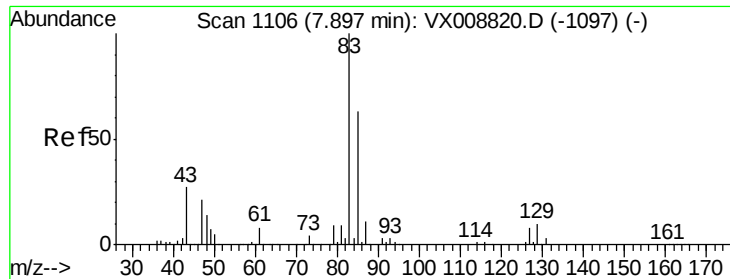
10000

0

7.55 7.60 7.65 7.70 7.75

Time-->





#47

Bromodichloromethane

Concen: 47.632 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

Instrument :

MSVOA_X

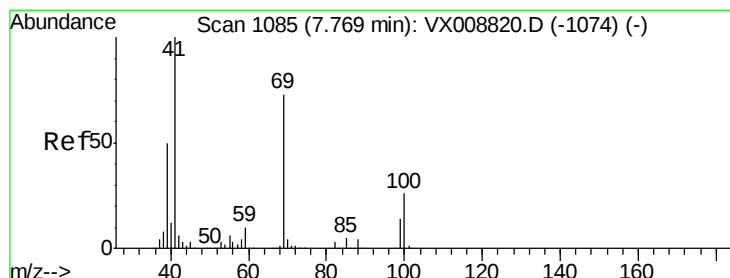
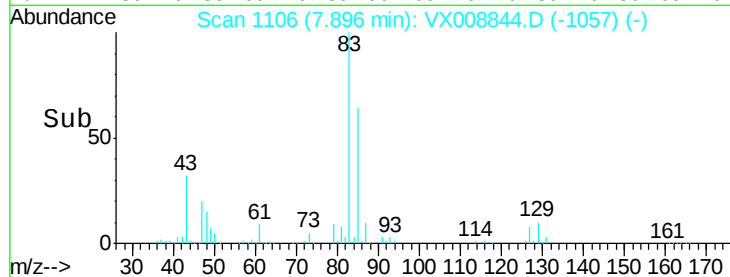
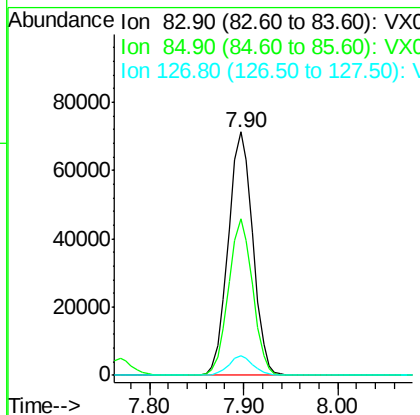
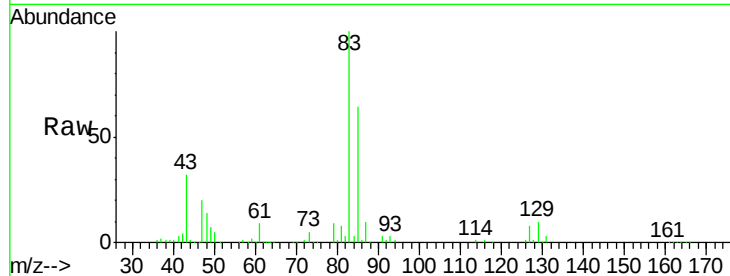
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	129001
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.2	76.8
127	8.3	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.874 ug/l

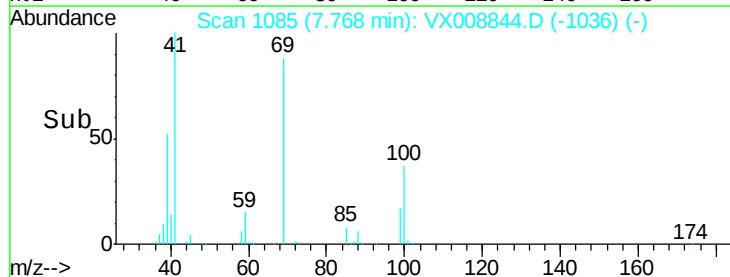
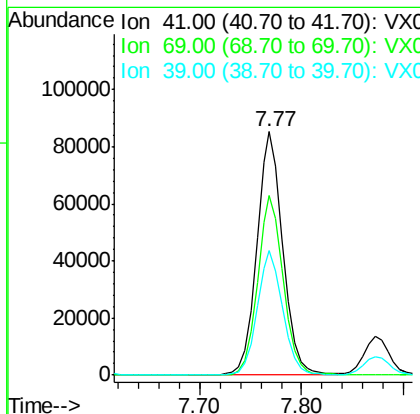
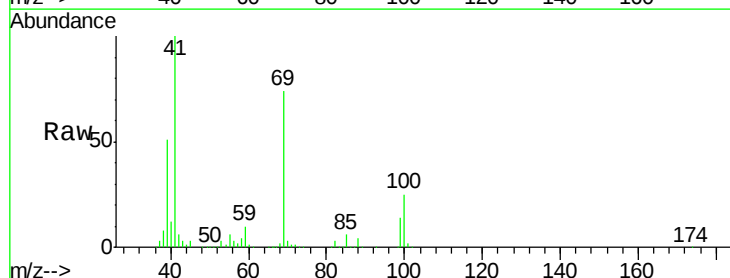
RT: 7.77 min Scan# 1085

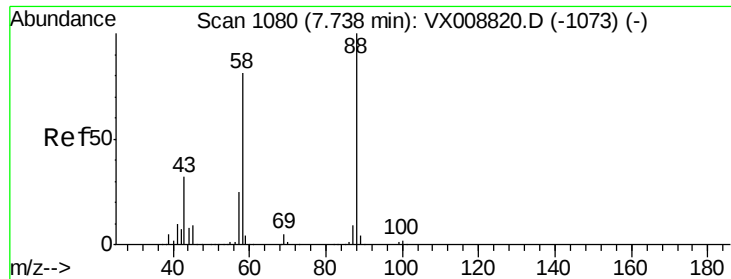
Delta R.T. -0.00 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

Tgt Ion:	41	Resp:	150563
Ion	Ratio	Lower	Upper
41	100		
69	73.4	59.0	88.4
39	50.6	41.0	61.4





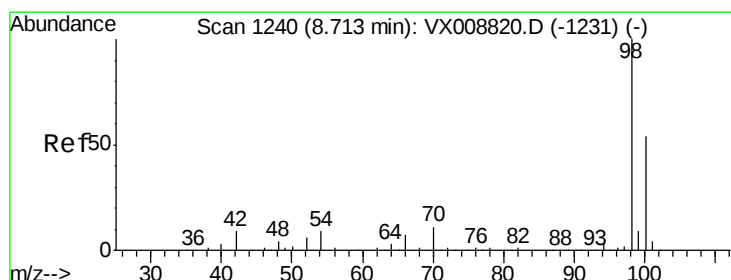
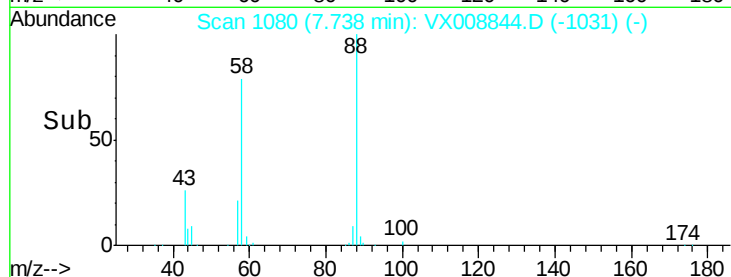
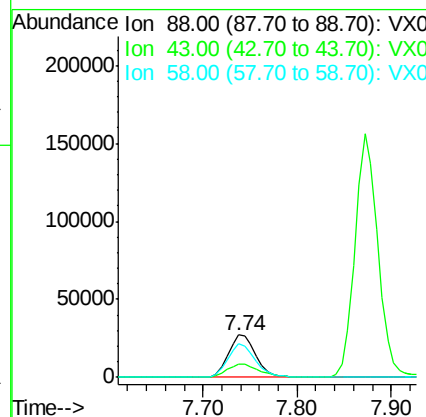
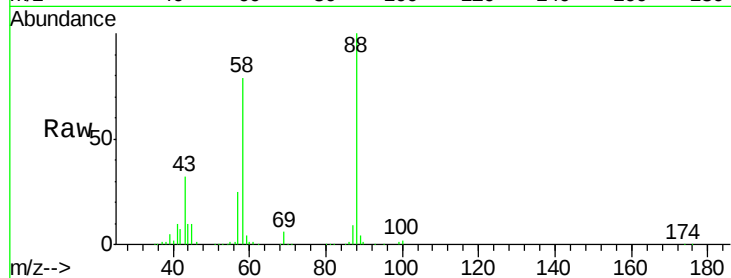
#49
1,4-Dioxane
Concen: 955.151 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX008844.D
Acq: 11 Apr 2019 07:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.8	28.6	43.0
58	79.1	62.2	93.2

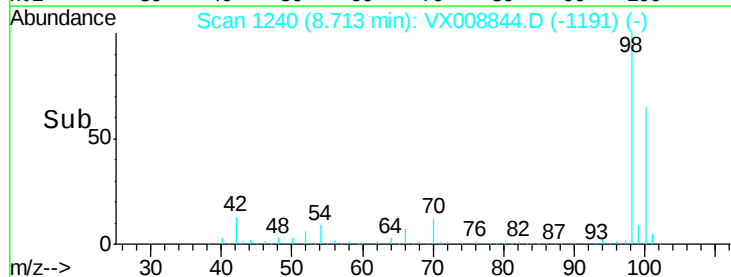
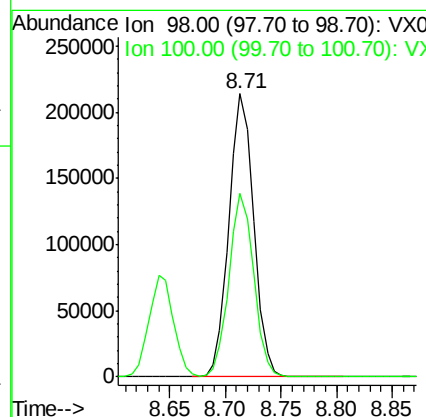
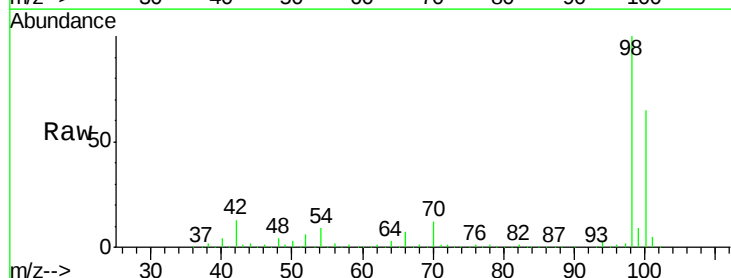
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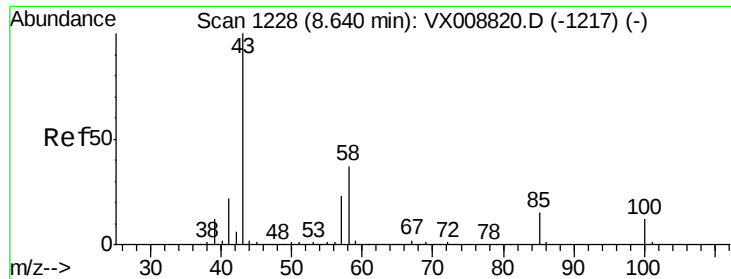
MMDadoda
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#50
Toluene-d8
Concen: 48.824 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008844.D
Acq: 11 Apr 2019 07:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 249.836 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 979452

Ion Ratio Lower Upper

43 100

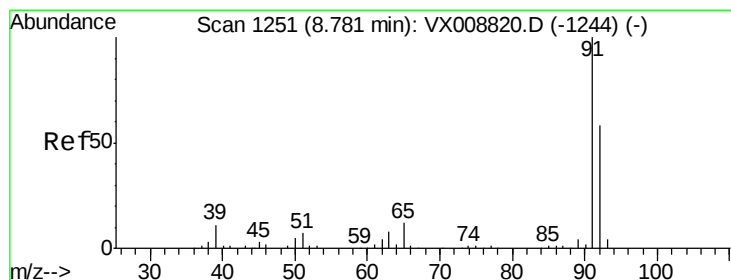
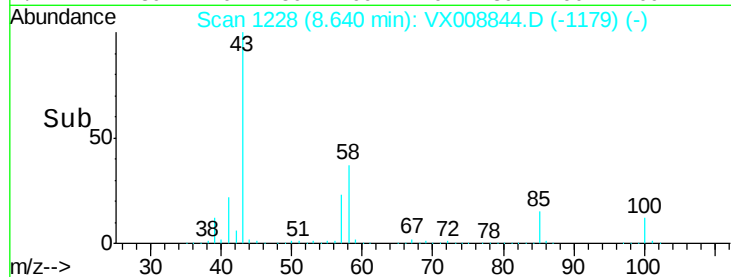
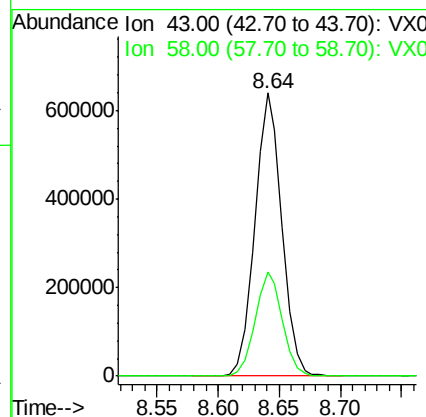
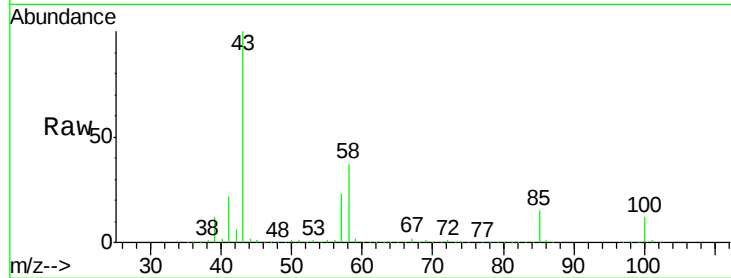
58 36.9 29.5 44.3

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#52

Toluene

Concen: 46.860 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008844.D

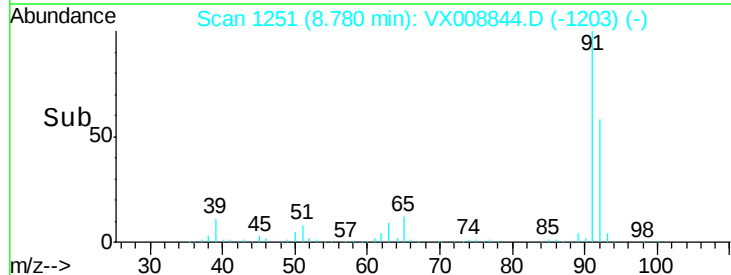
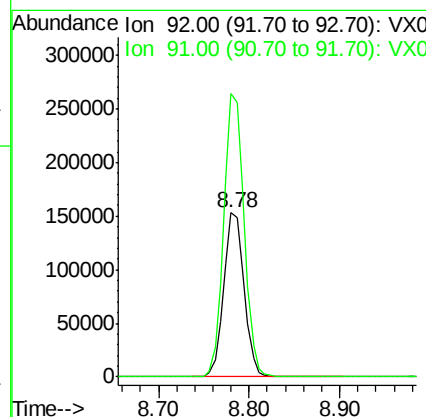
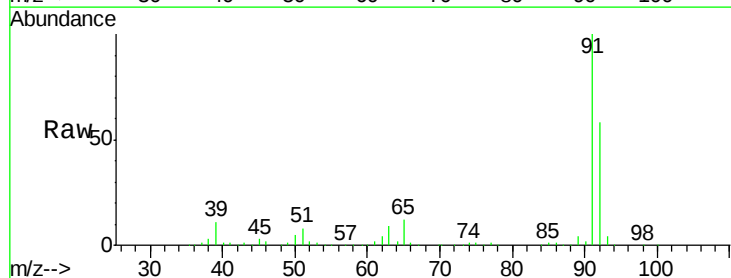
Acq: 11 Apr 2019 07:21

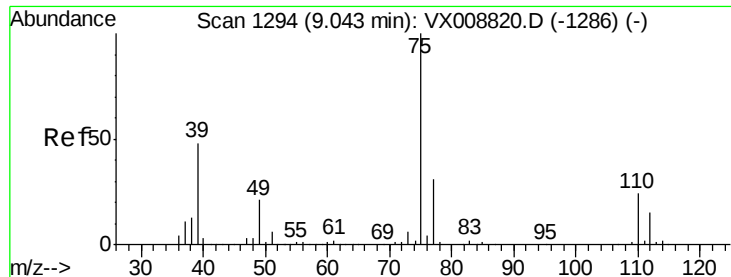
Tgt Ion: 92 Resp: 239713

Ion Ratio Lower Upper

92 100

91 172.9 138.5 207.7





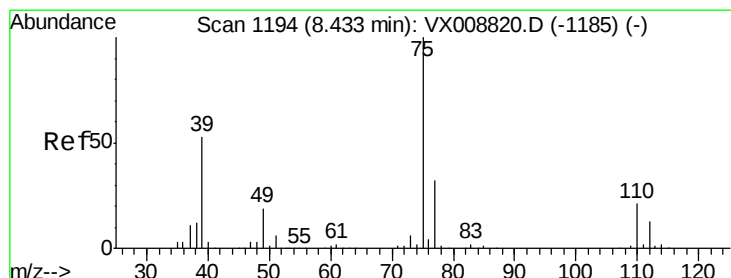
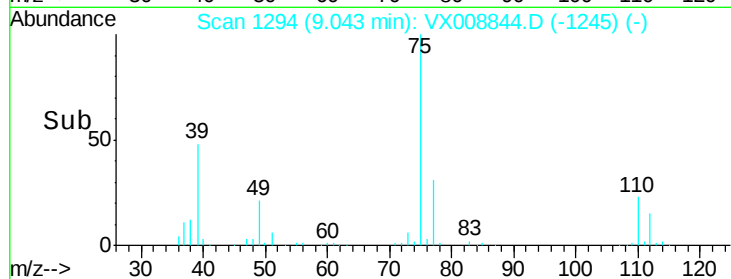
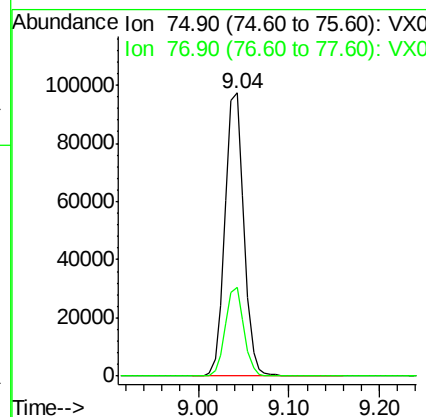
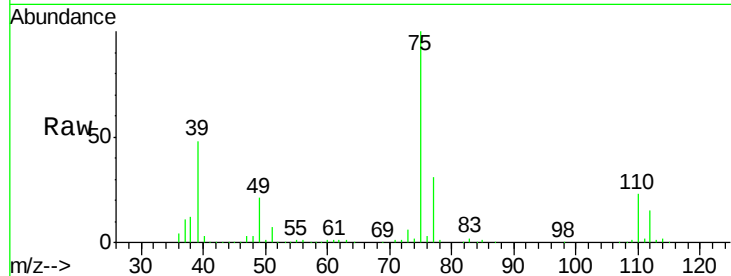
#53
t-1,3-Dichloropropene
Concen: 46.714 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX008844.D
Acq: 11 Apr 2019 07:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 141717
Ion Ratio Lower Upper
75 100
77 31.4 25.2 37.8

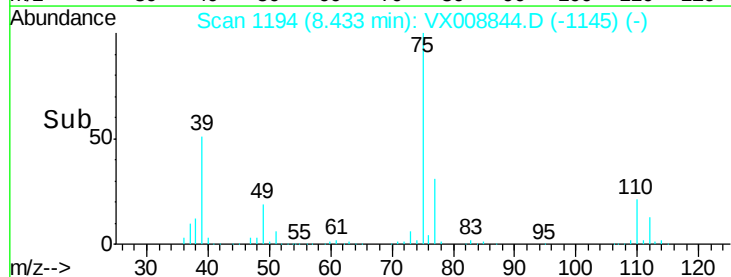
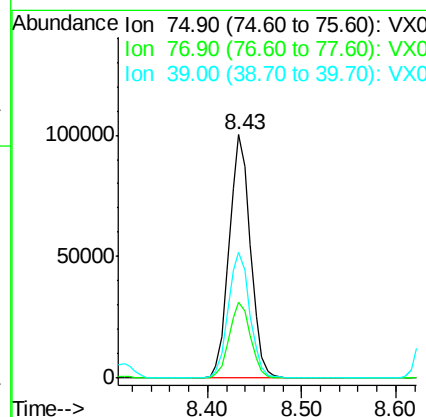
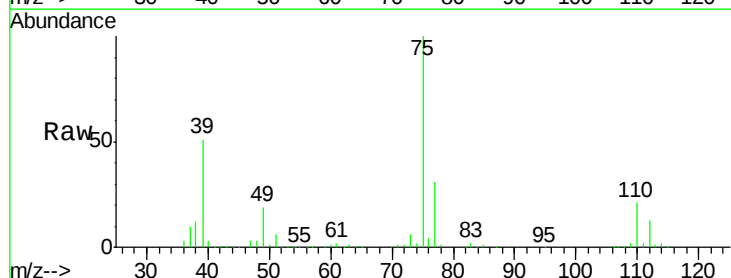
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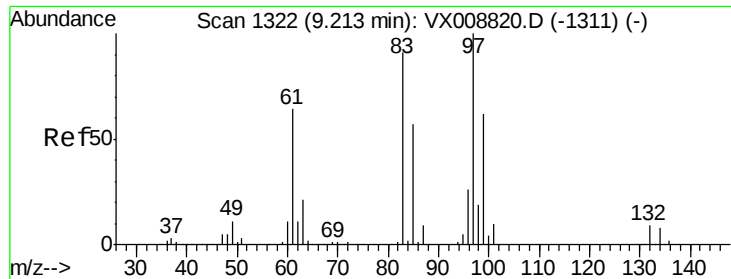
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#54
cis-1,3-Dichloropropene
Concen: 45.109 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX008844.D
Acq: 11 Apr 2019 07:21

Tgt Ion: 75 Resp: 156369
Ion Ratio Lower Upper
75 100
77 31.0 25.3 37.9
39 51.4 42.6 63.8





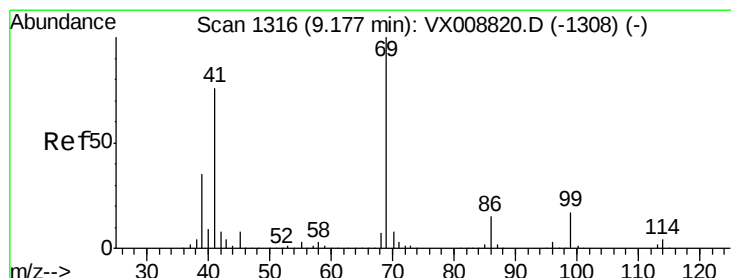
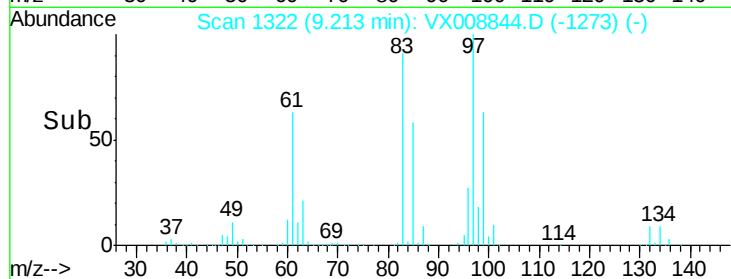
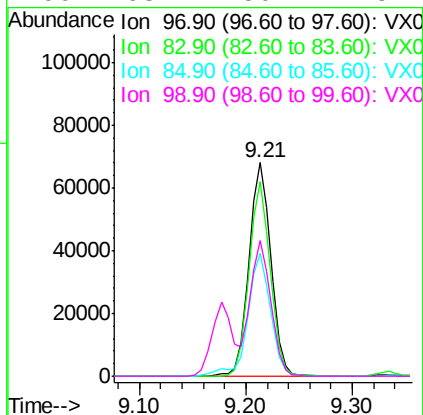
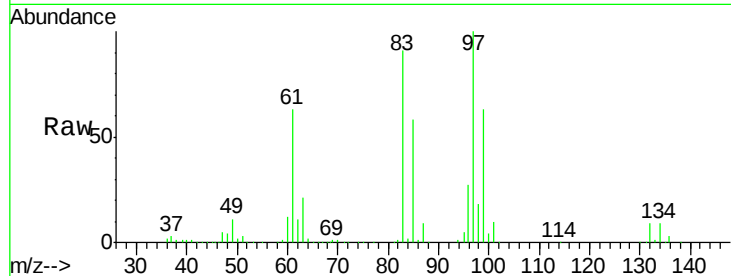
#55
 1,1,2-Trichloroethane
 Concen: 48.154 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008844.D
 Acq: 11 Apr 2019 07:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	98879
Ion	Ratio	Lower	Upper
97	100		
83	90.9	73.2	109.8
85	57.7	46.6	69.8
99	63.2	50.1	75.1

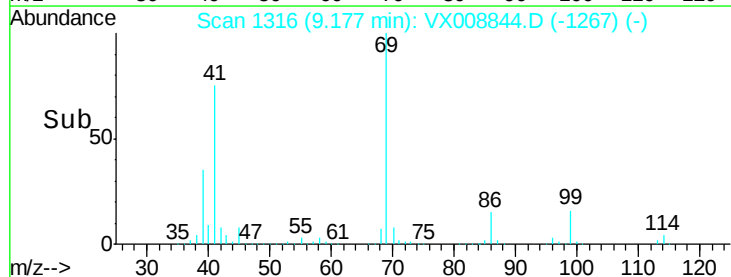
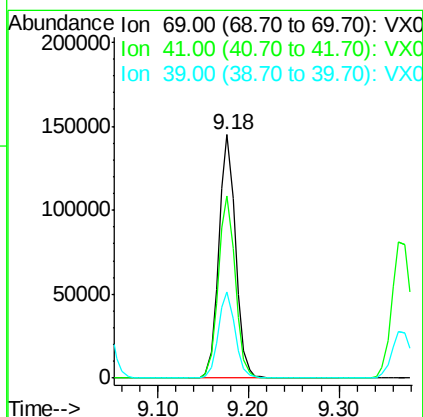
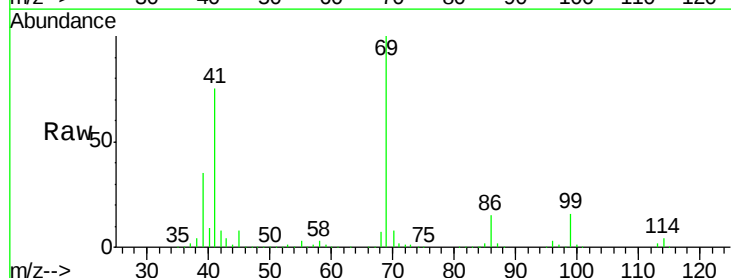
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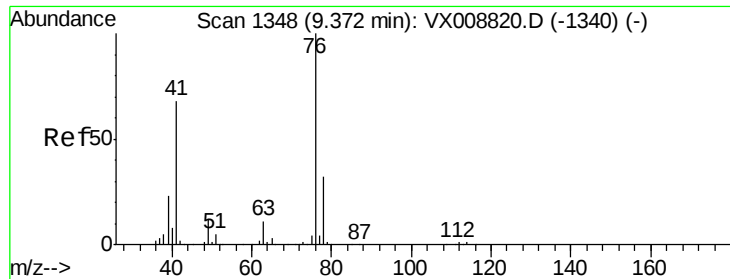
MMDadoda
 4/11/2019 11:48:28 AM



#56
 Ethyl methacrylate
 Concen: 50.477 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008844.D
 Acq: 11 Apr 2019 07:21

Tgt Ion:	69	Resp:	187534
Ion	Ratio	Lower	Upper
69	100		
41	76.1	60.1	90.1
39	35.6	28.9	43.3





#57

1,3-Dichloropropane

Concen: 47.149 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 173846

Ion Ratio Lower Upper

76 100

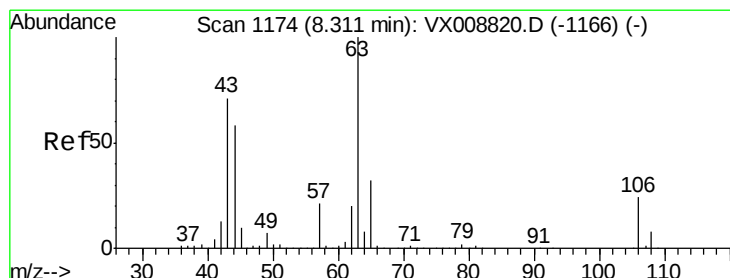
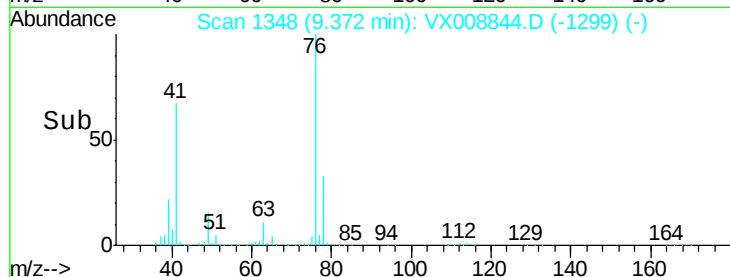
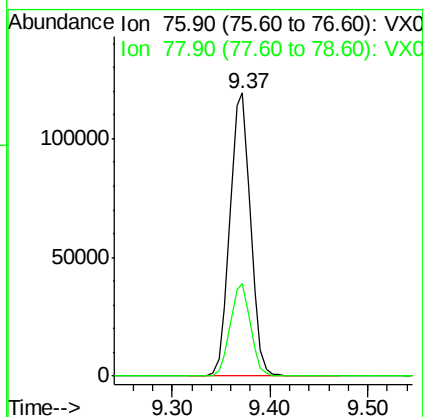
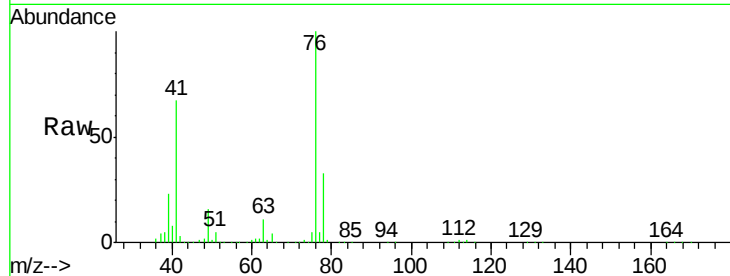
78 32.3 25.6 38.4

Manual Integrations

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MMDadoda

4/11/2019 11:48:28 AM



#58

2-Chloroethyl Vinyl ether

Concen: 245.052 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX008844.D

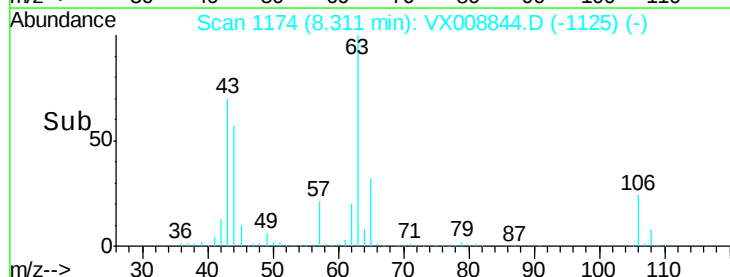
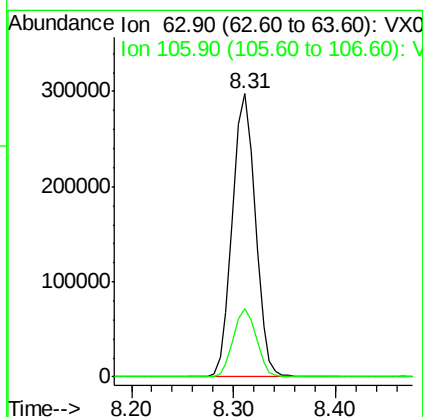
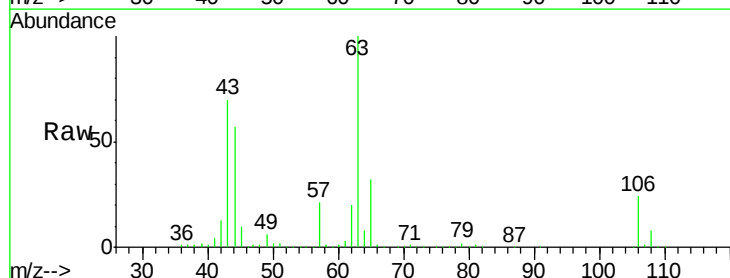
Acq: 11 Apr 2019 07:21

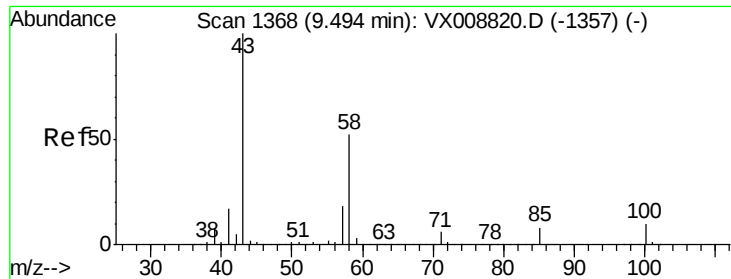
Tgt Ion: 63 Resp: 464882

Ion Ratio Lower Upper

63 100

106 24.2 19.0 28.6





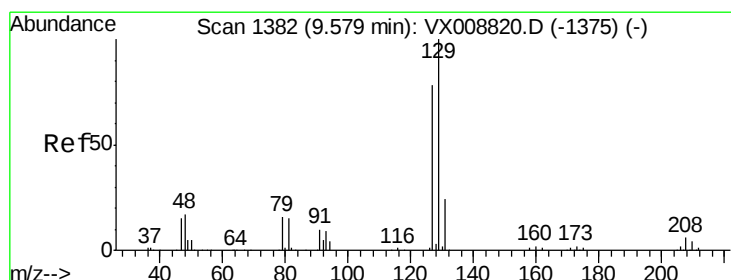
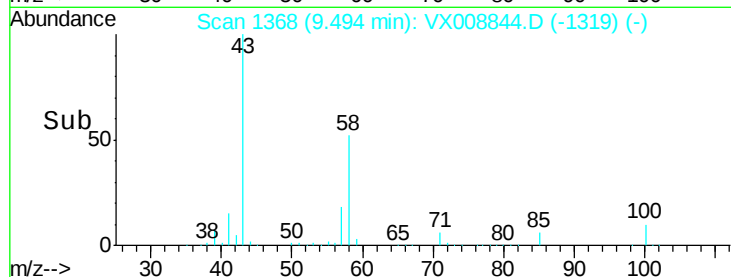
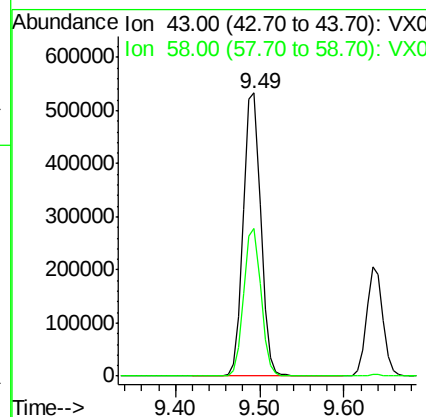
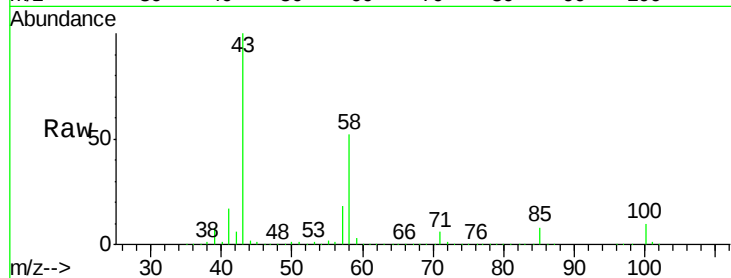
#59
2-Hexanone
Concen: 241.877 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX008844.D
Acq: 11 Apr 2019 07:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 736929
Ion Ratio Lower Upper
43 100
58 51.6 25.9 77.7

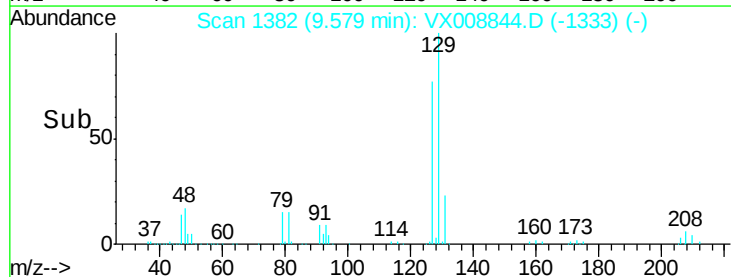
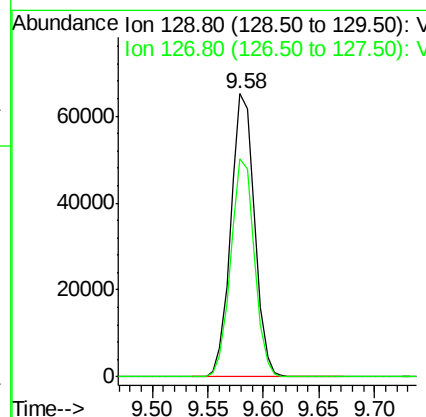
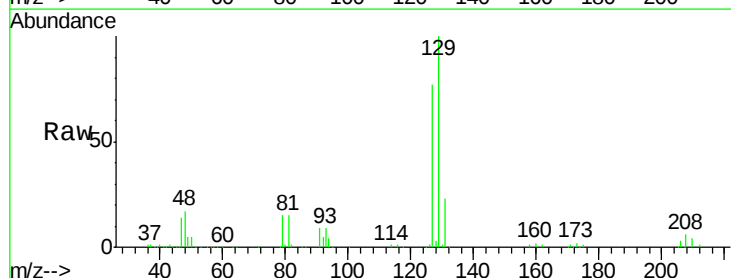
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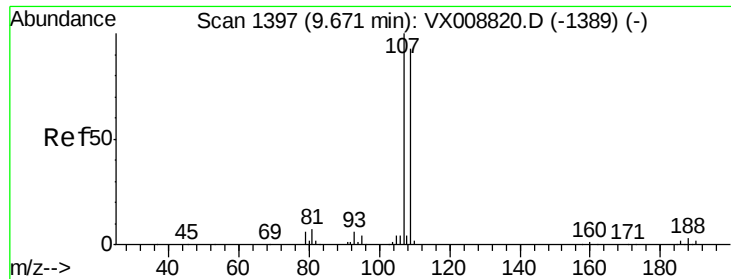
MMDadoda
4/11/2019 11:48:28 AM



#60
Dibromochloromethane
Concen: 49.693 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008844.D
Acq: 11 Apr 2019 07:21

Tgt Ion: 129 Resp: 96154
Ion Ratio Lower Upper
129 100
127 76.8 38.5 115.3





#61

1,2-Dibromoethane

Concen: 46.982 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 100431

Ion Ratio Lower Upper

107 100

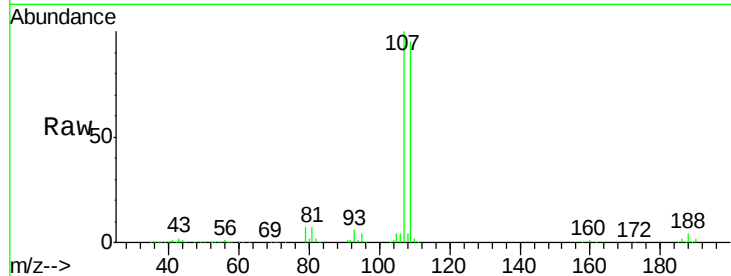
109 93.9 74.1 111.1

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

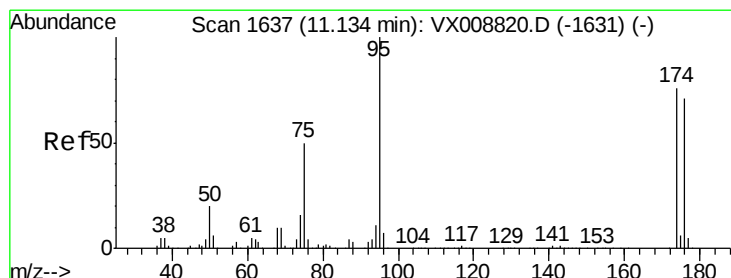
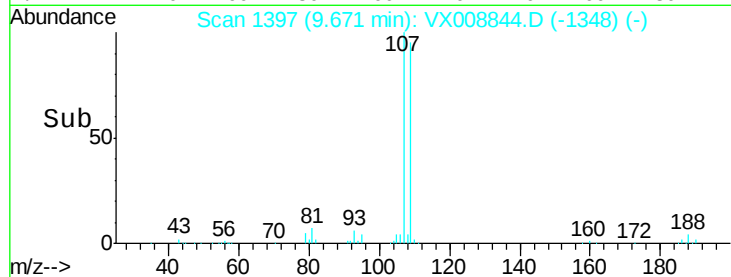
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.533 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

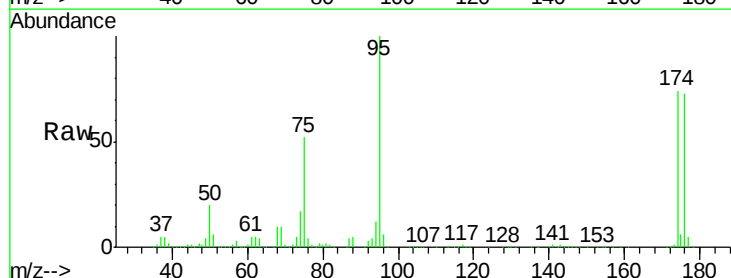
Tgt Ion: 95 Resp: 121553

Ion Ratio Lower Upper

95 100

174 78.8 0.0 151.8

176 77.1 0.0 145.8



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

11.13

120000

100000

80000

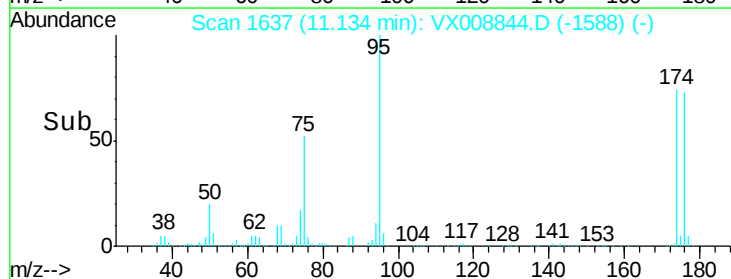
60000

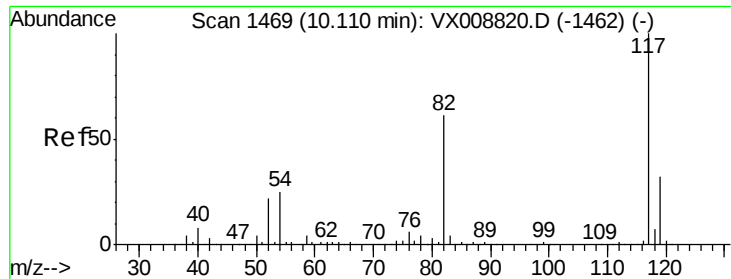
40000

20000

0

Time-->





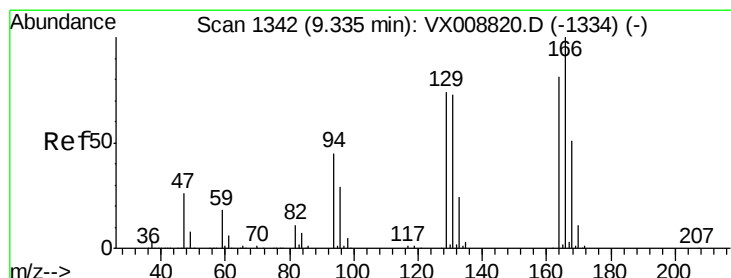
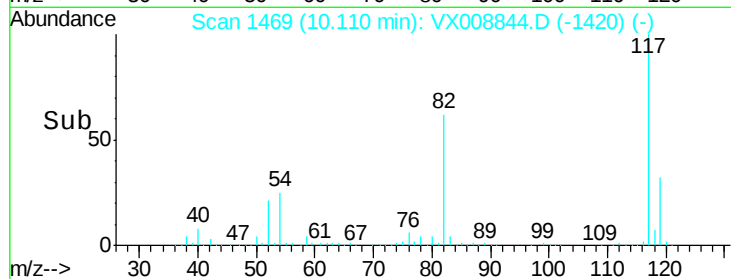
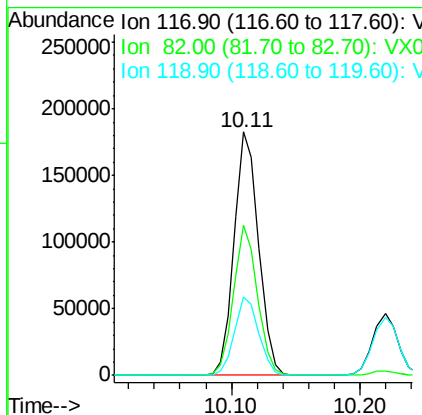
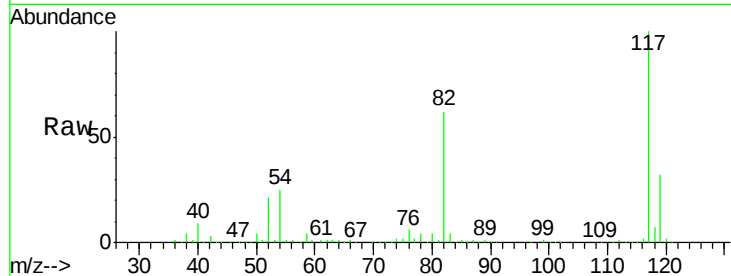
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008844.D
Acq: 11 Apr 2019 07:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.7	49.6	74.4
119	32.0	25.0	37.4

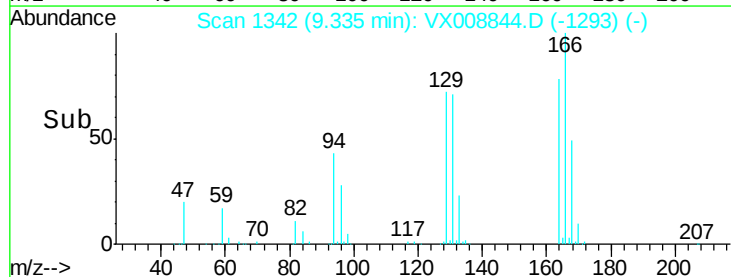
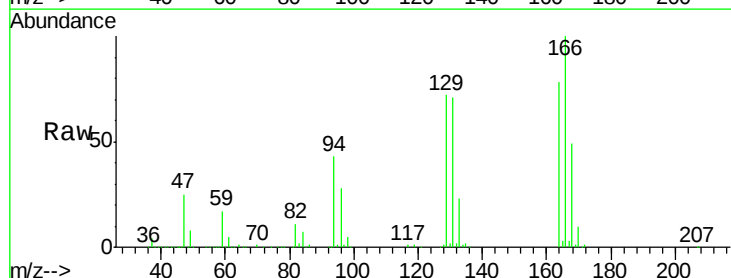
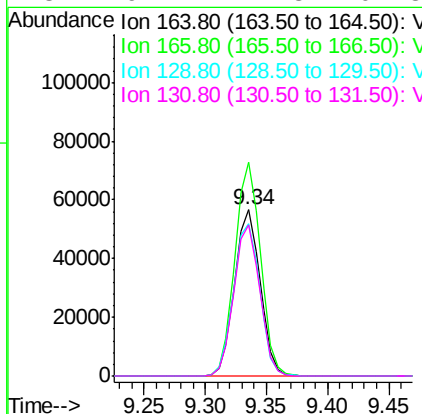
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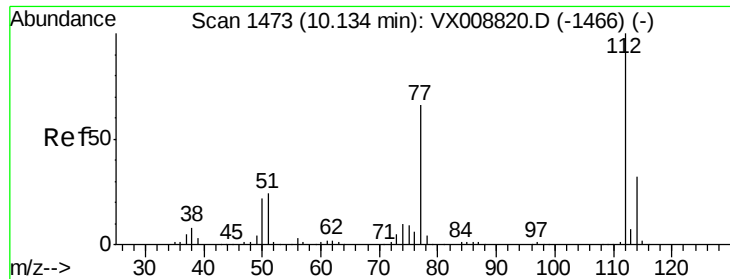
MMDadoda
4/11/2019 11:48:28 AM



#64
Tetrachloroethene
Concen: 45.572 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008844.D
Acq: 11 Apr 2019 07:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	101.0	151.6
129	92.1	75.8	113.8
131	91.2	71.8	107.8





#65

Chlorobenzene

Concen: 46.041 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 247266

Ion Ratio Lower Upper

112 100

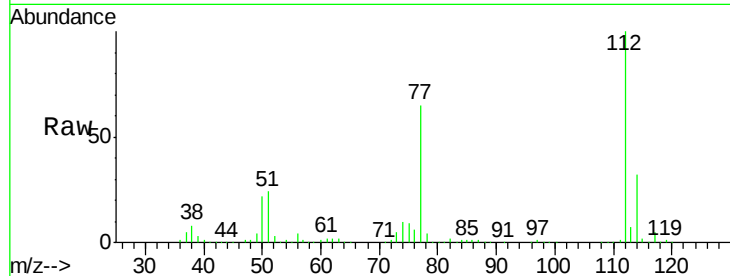
114 31.7 25.8 38.8

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.13

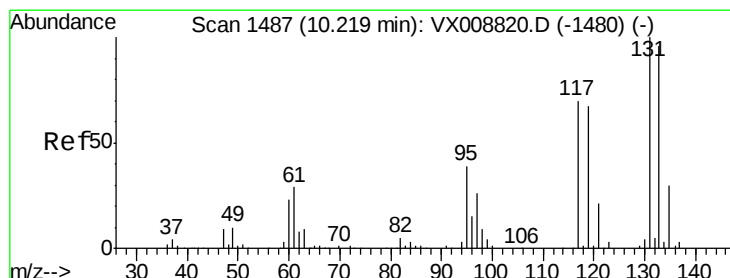
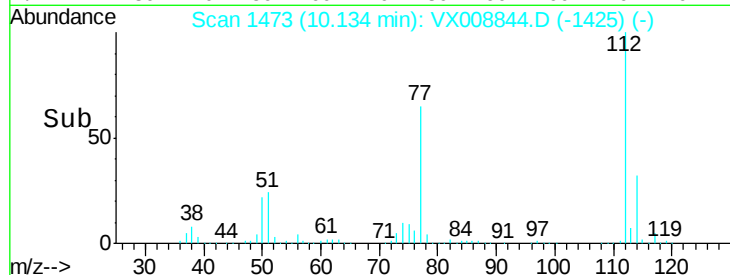
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 47.116 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

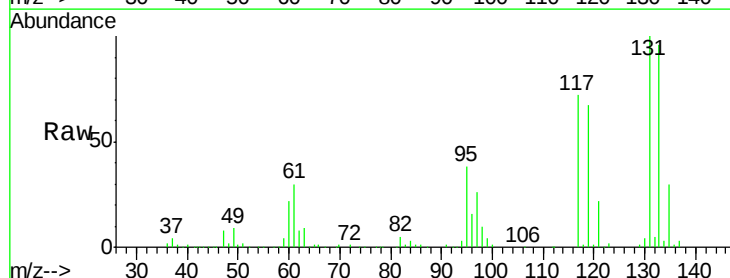
Tgt Ion:131 Resp: 88771

Ion Ratio Lower Upper

131 100

133 95.2 47.0 141.2

119 67.8 33.7 101.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.22

80000

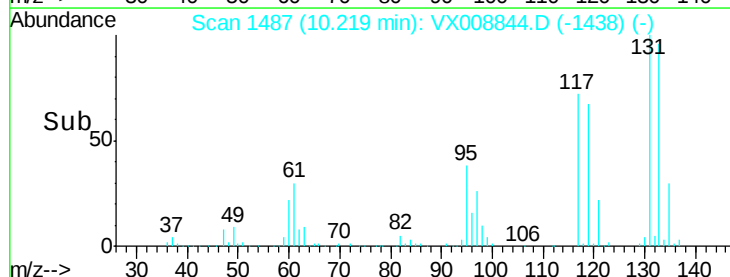
60000

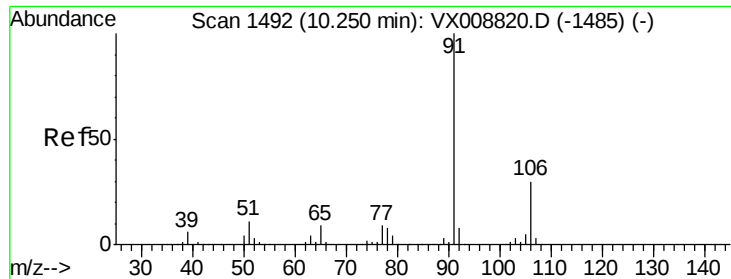
40000

20000

0

Time-->





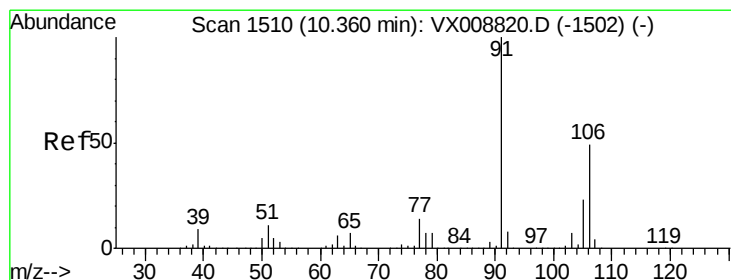
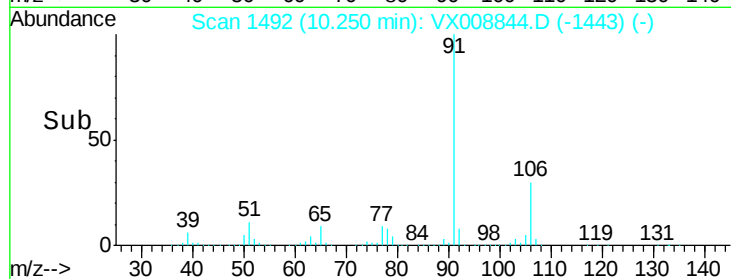
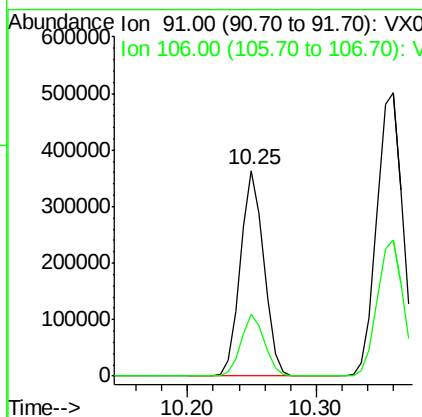
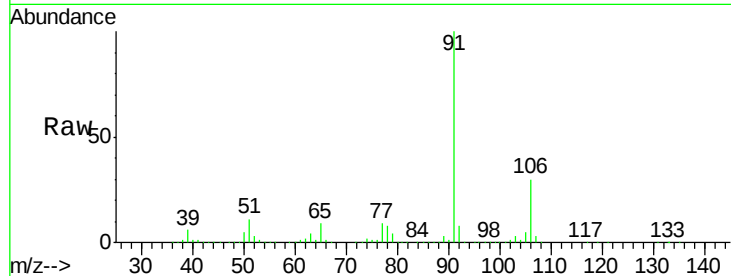
#67
Ethyl Benzene
Concen: 45.786 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008844.D
Acq: 11 Apr 2019 07:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 458512
Ion Ratio Lower Upper
91 100
106 30.2 23.7 35.5

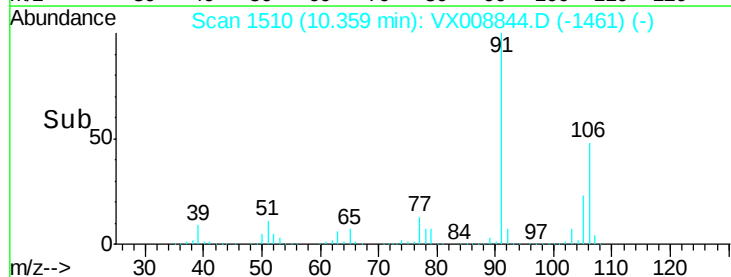
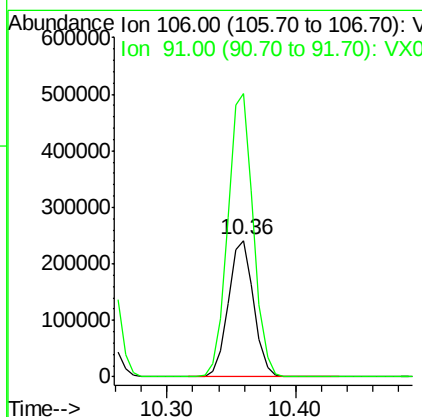
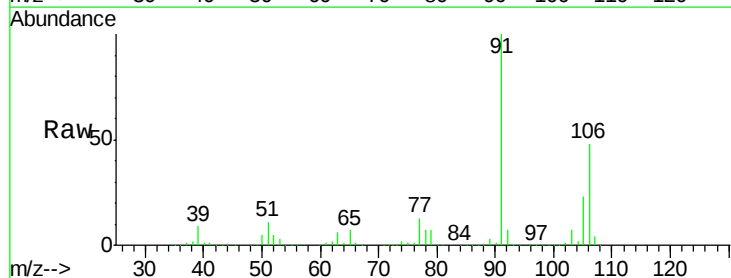
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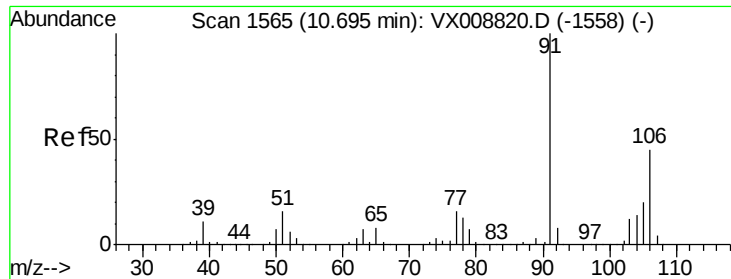
MMDadoda
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#68
m/p-Xylenes
Concen: 91.832 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008844.D
Acq: 11 Apr 2019 07:21

Tgt Ion: 106 Resp: 330657
Ion Ratio Lower Upper
106 100
91 209.3 168.5 252.7





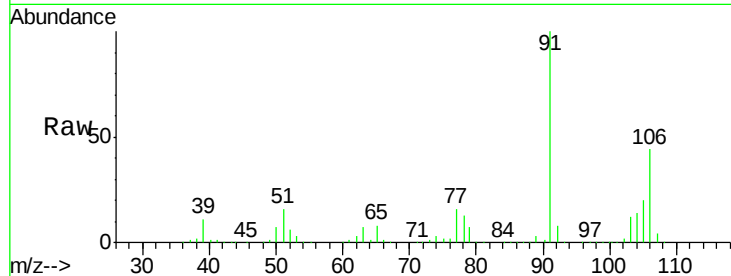
#69
o-Xylene
Concen: 46.903 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008844.D
Acq: 11 Apr 2019 07:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

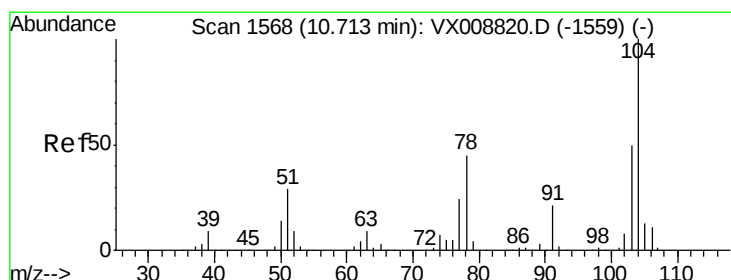
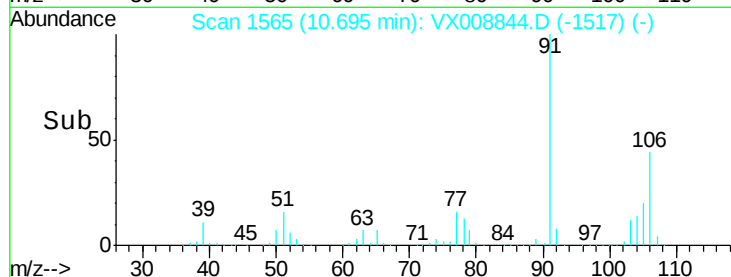
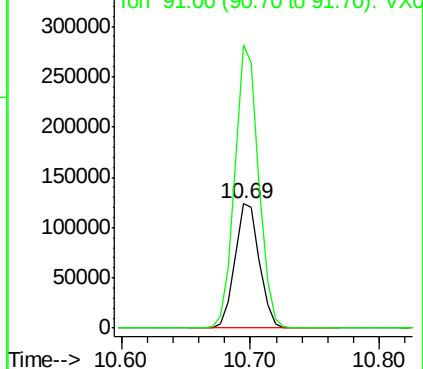
Tot Ion:106 Resp: 163667
Ion Ratio Lower Upper
106 100
91 221.2 111.5 334.4

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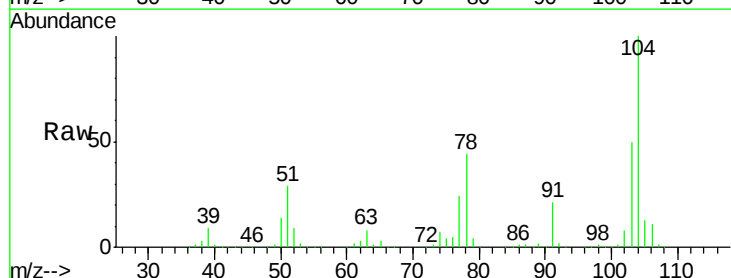


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

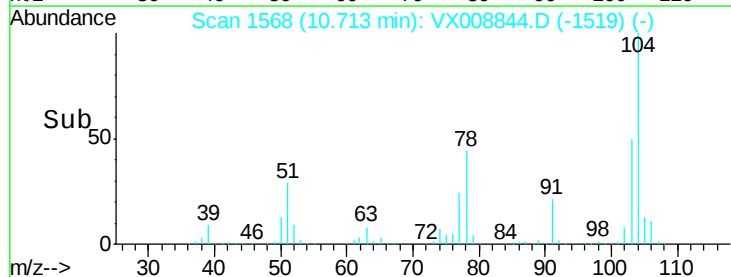
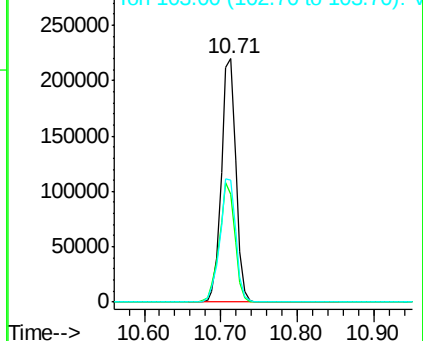


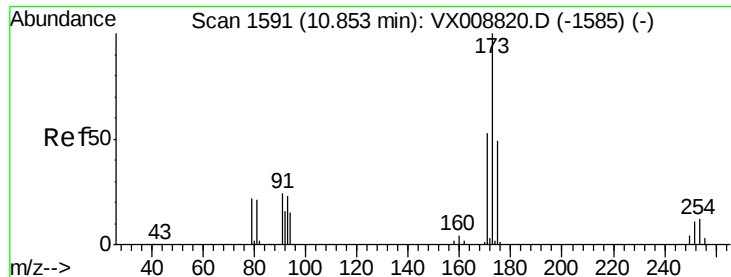
#70
Styrene
Concen: 47.973 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008844.D
Acq: 11 Apr 2019 07:21

Tgt Ion:104 Resp: 288556
Ion Ratio Lower Upper
104 100
78 52.2 42.3 63.5
103 55.2 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 49.889 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 71789

Ion Ratio Lower Upper

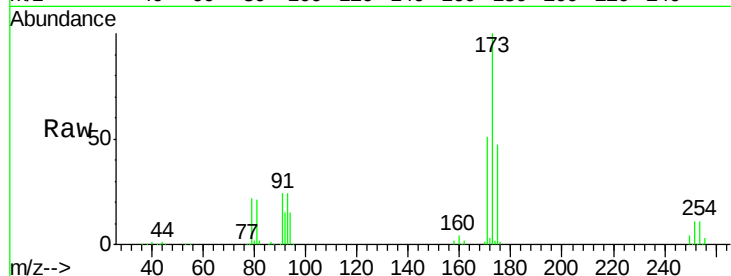
173 100

175 48.6 24.9 74.6

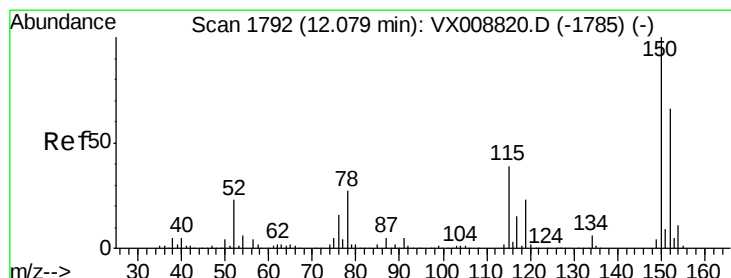
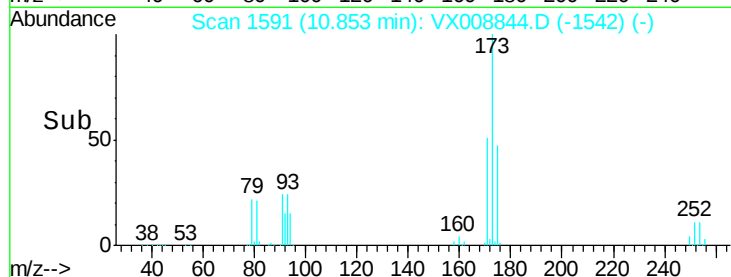
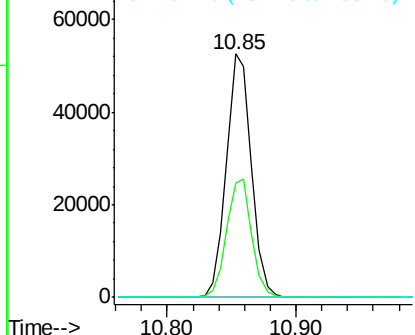
254 0.2 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

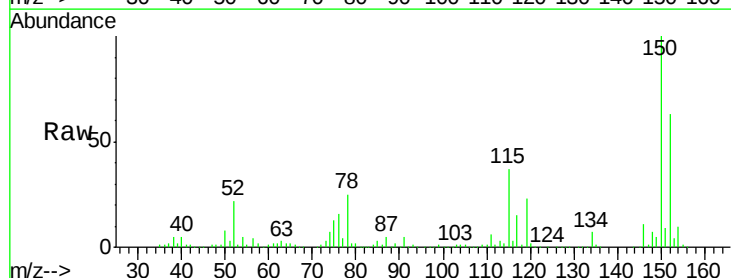
Tgt Ion:152 Resp: 113228

Ion Ratio Lower Upper

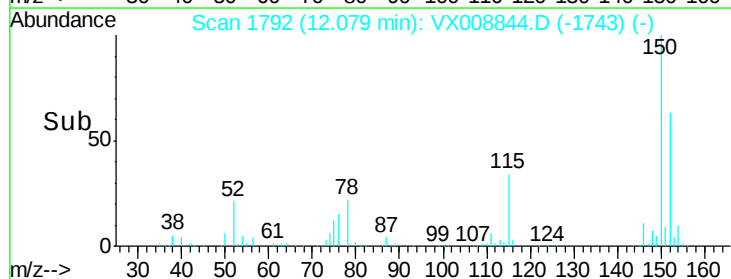
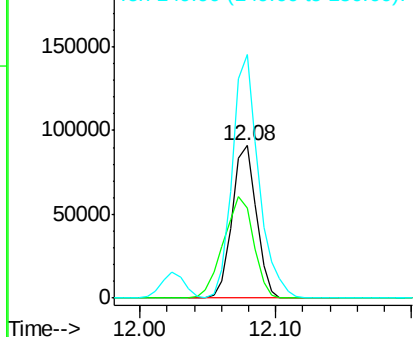
152 100

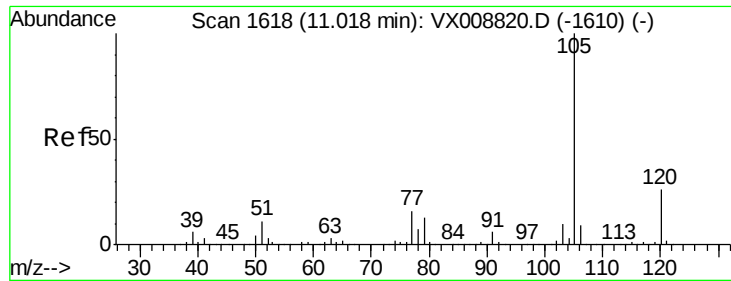
115 82.2 43.5 130.5

150 173.1 0.0 348.8



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: 46.125 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 432817

Ion Ratio Lower Upper

105 100

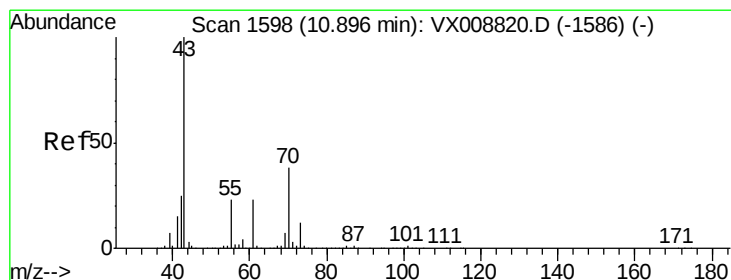
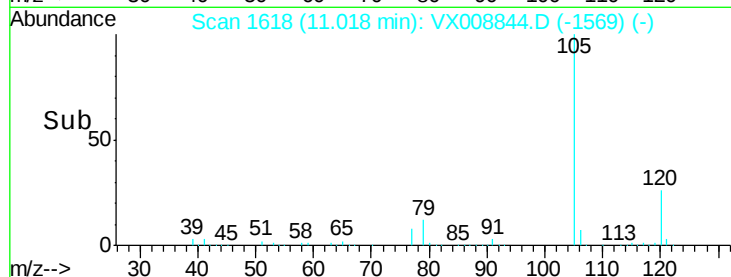
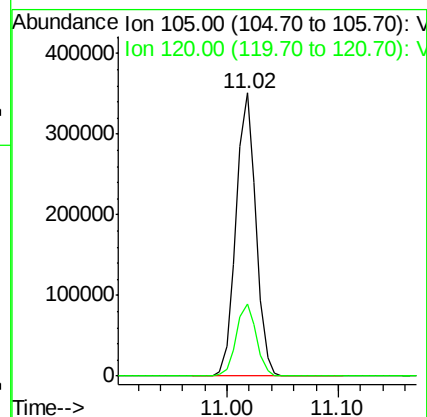
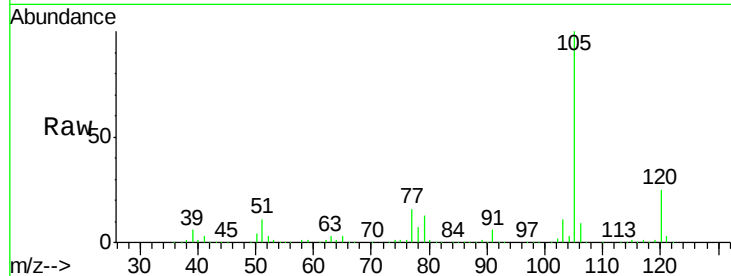
120 25.8 12.9 38.6

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#74

N-ethyl acetate

Concen: 47.808 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

Tgt Ion: 43 Resp: 263937

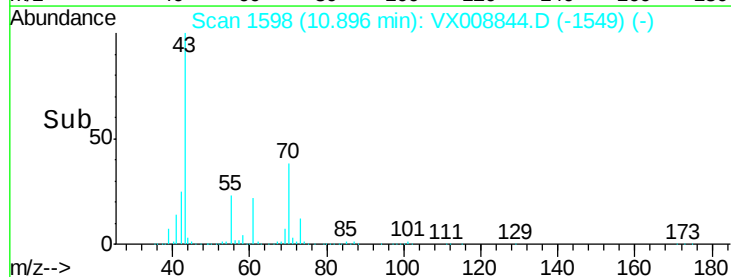
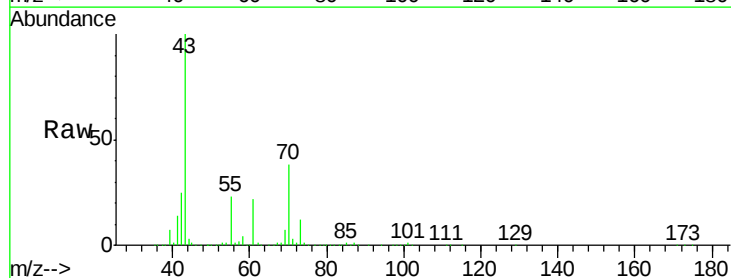
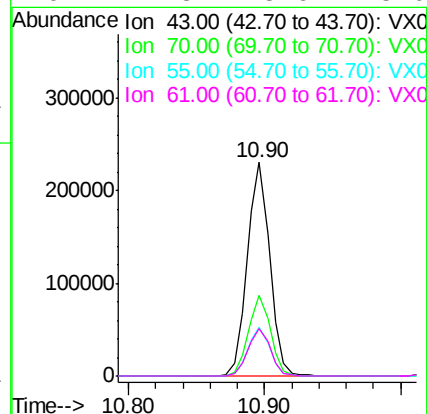
Ion Ratio Lower Upper

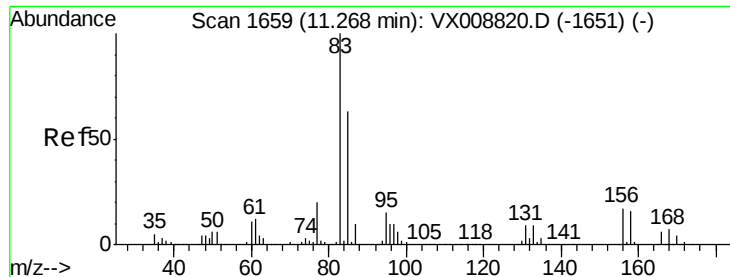
43 100

70 37.4 30.2 45.4

55 22.6 18.2 27.4

61 22.3 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 44.446 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

Instrument :

MSVOA_X

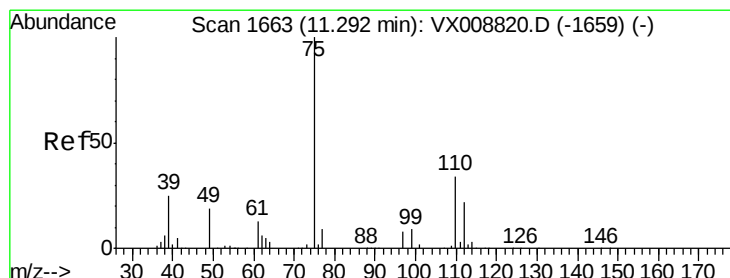
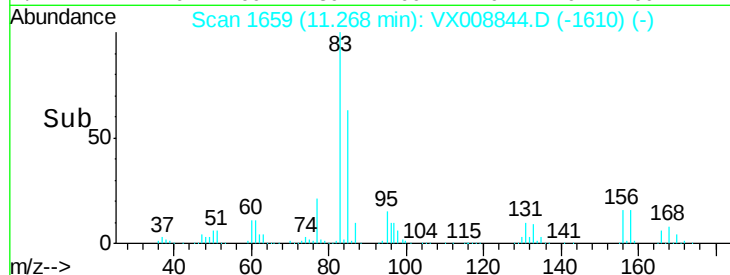
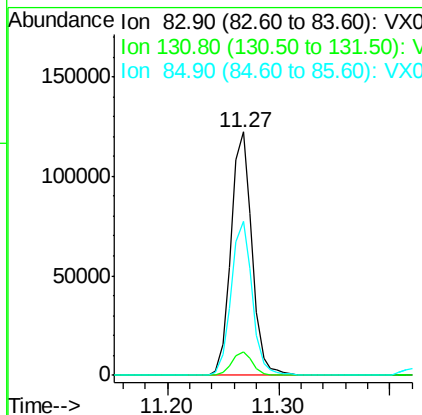
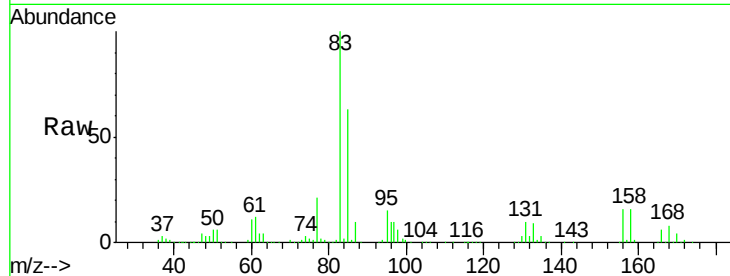
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	158613
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.5	13.7
85	63.8	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 44.185 ug/l m

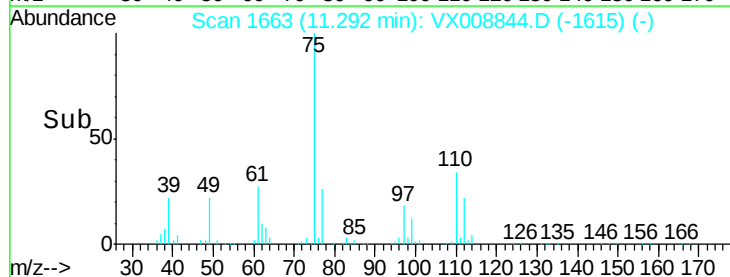
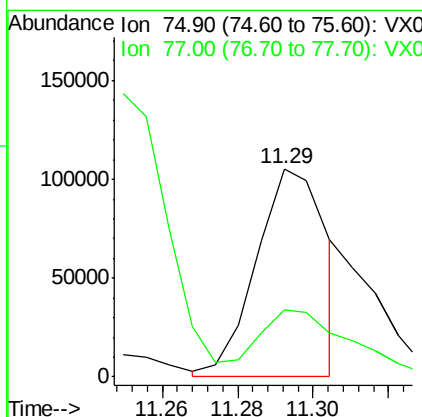
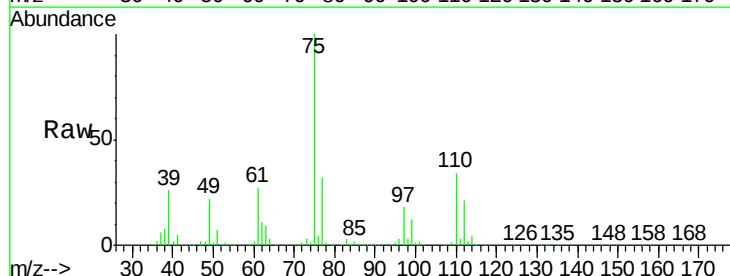
RT: 11.29 min Scan# 1663

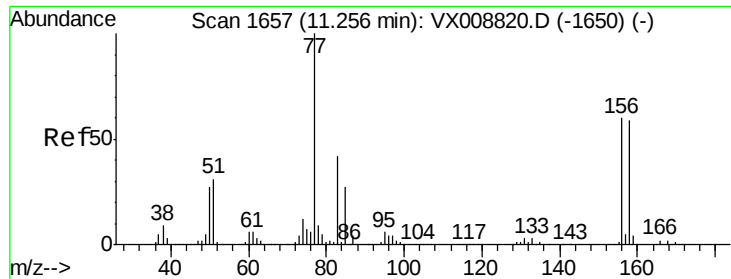
Delta R.T. -0.01 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

Tgt Ion:	75	Resp:	137436
Ion Ratio	Lower	Upper	
75	100		
77	42.7	22.3	66.8





#77

Bromobenzene

Concen: 46.593 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

Instrument :

MSVOA_X

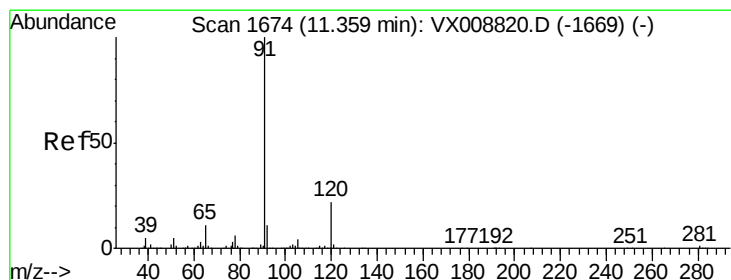
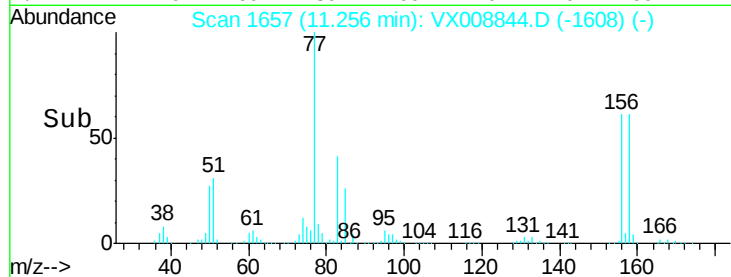
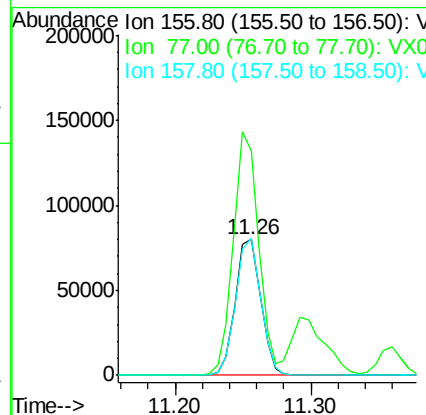
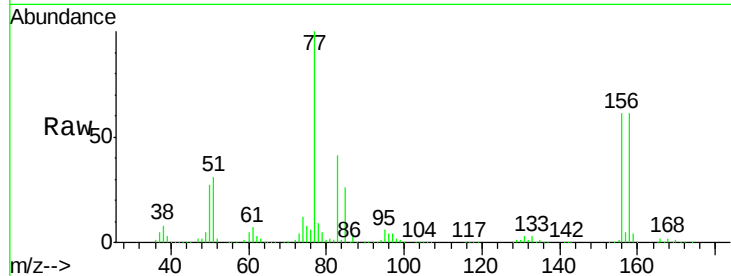
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	105104
Ion Ratio	Lower	Upper	
156	100		
77	176.4	89.8	269.6
158	98.8	48.6	145.9

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#78

n-propylbenzene

Concen: 45.507 ug/l

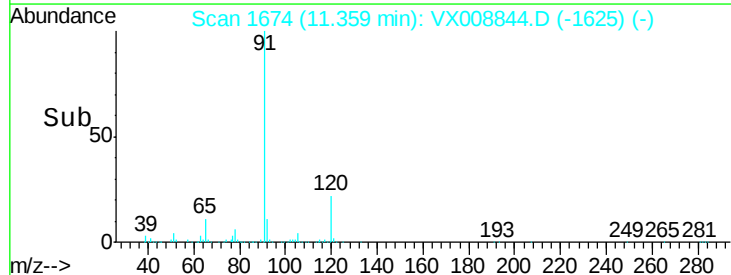
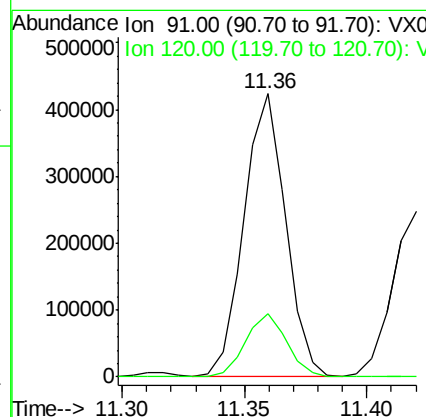
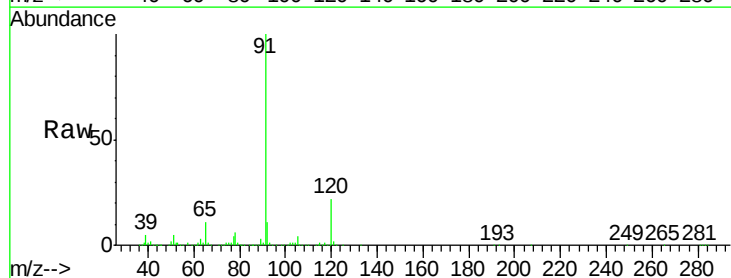
RT: 11.36 min Scan# 1674

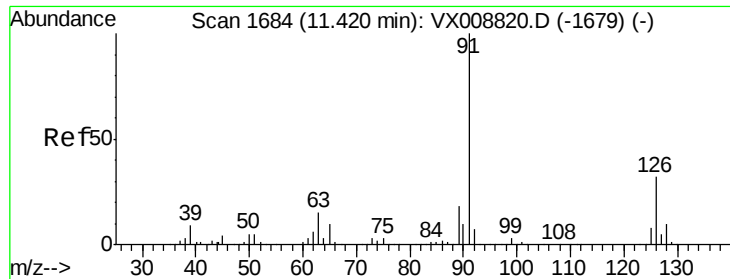
Delta R.T. -0.00 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

Tgt Ion:	91	Resp:	497208
Ion Ratio	Lower	Upper	
91	100		
120	22.2	10.9	32.7





#79

2-Chlorotoluene

Concen: 45.086 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 298104

Ion Ratio Lower Upper

91 100

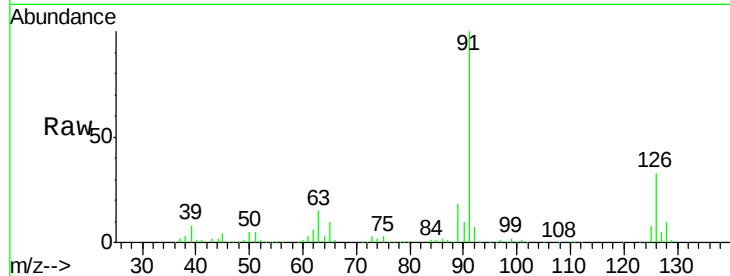
126 32.2 16.1 48.3

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Abundance Ion 91.00 (90.70 to 91.70): VX008820.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX008820.D (-1679) (-)

500000

400000

300000

200000

100000

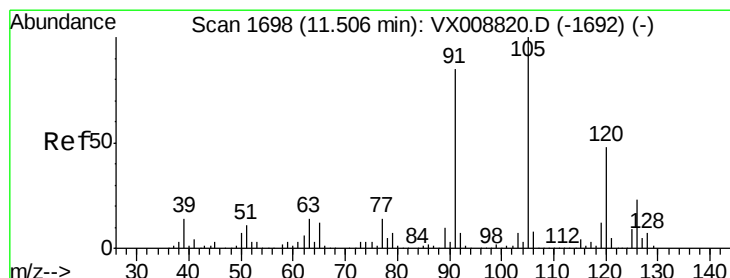
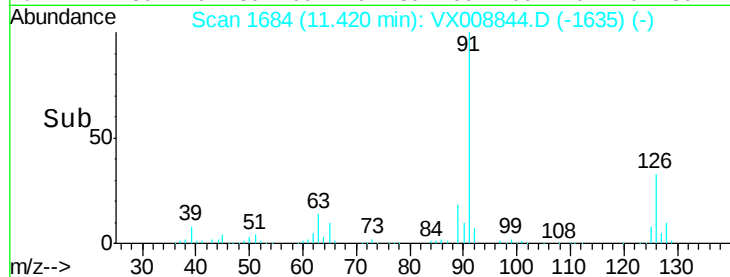
0

11.40

11.42

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 45.929 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008844.D

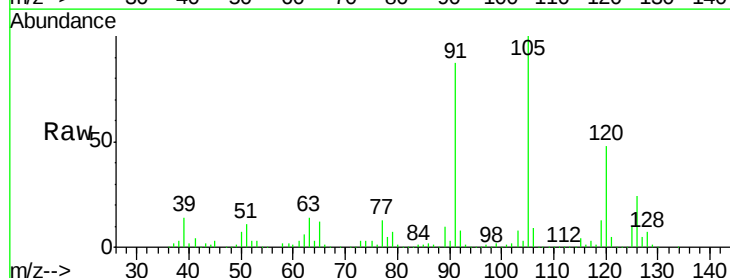
Acq: 11 Apr 2019 07:21

Tgt Ion:105 Resp: 361771

Ion Ratio Lower Upper

105 100

120 47.9 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VX008820.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX008820.D (-1692) (-)

300000

200000

100000

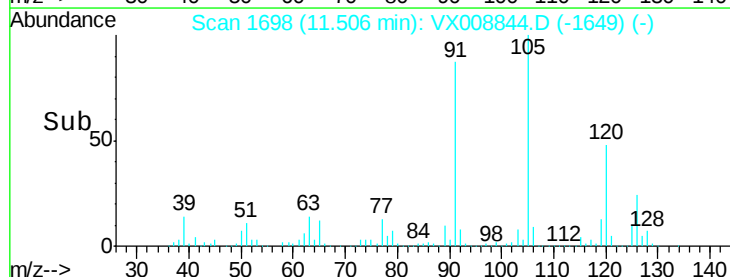
0

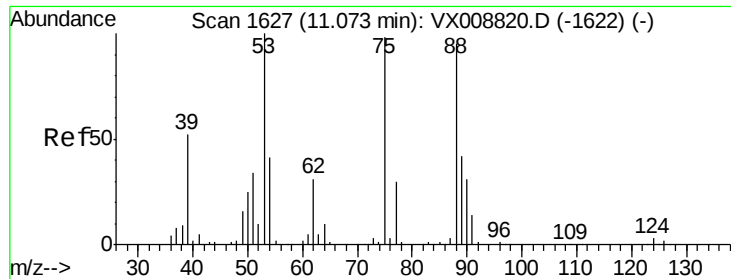
11.50

11.51

11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 42.334 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 47770

Ion Ratio Lower Upper

75 100

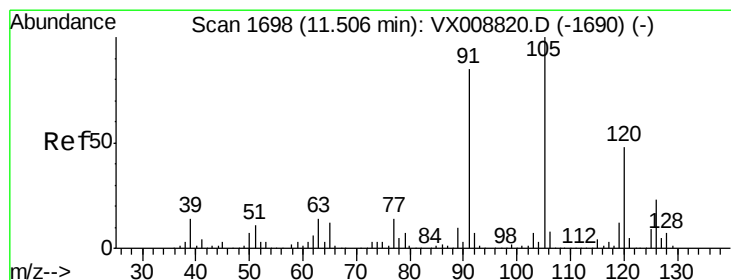
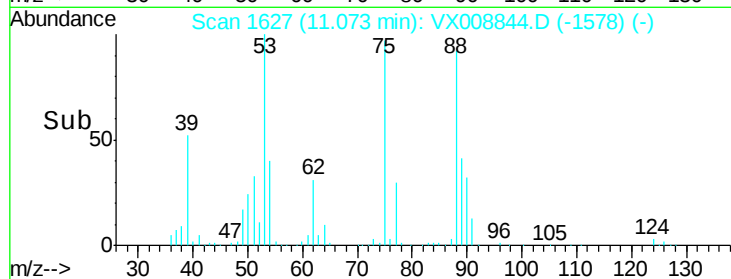
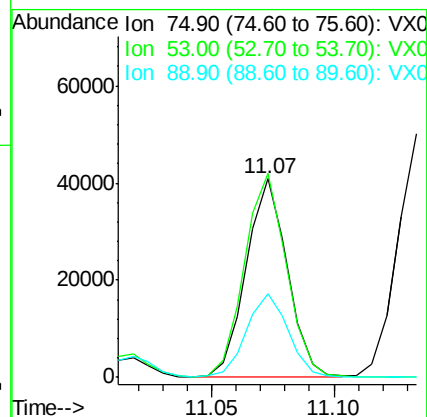
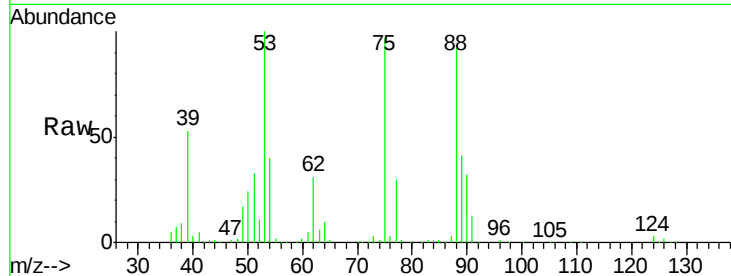
53 105.5 81.3 121.9

89 42.9 35.6 53.4

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#82

4-Chlorotoluene

Concen: 44.700 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX008844.D

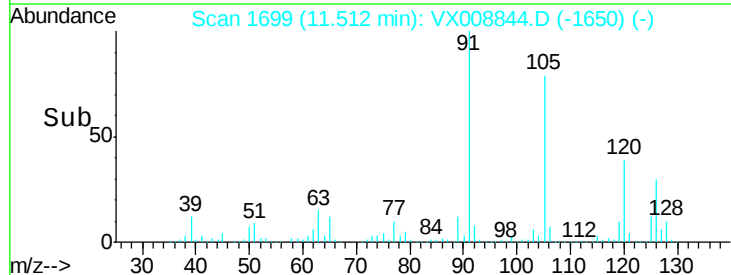
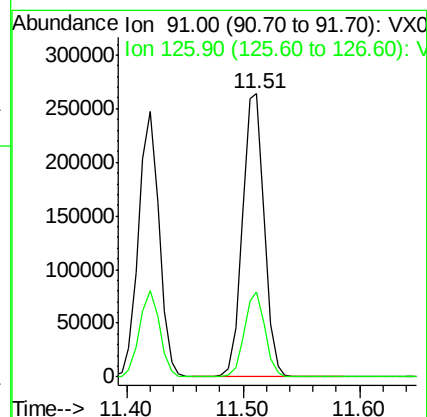
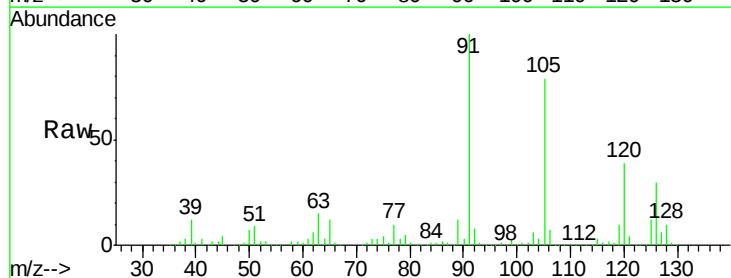
Acq: 11 Apr 2019 07:21

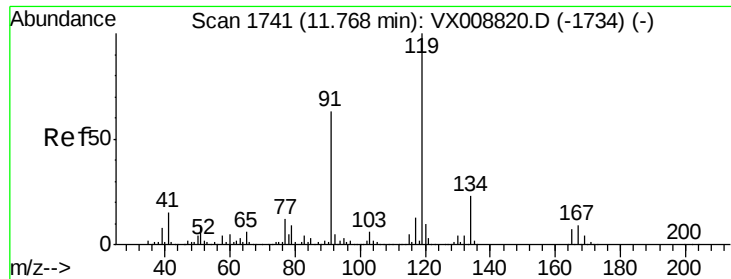
Tgt Ion: 91 Resp: 342106

Ion Ratio Lower Upper

91 100

126 28.4 13.9 41.6





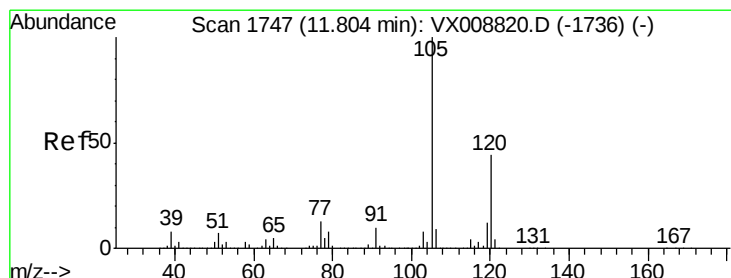
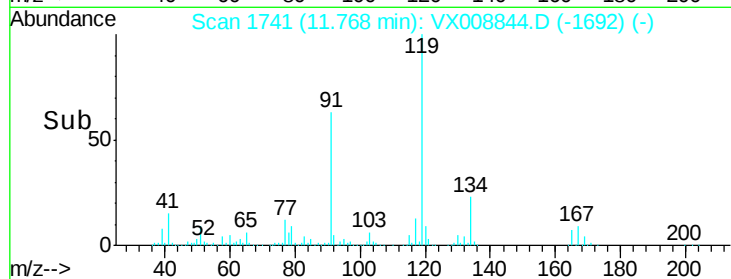
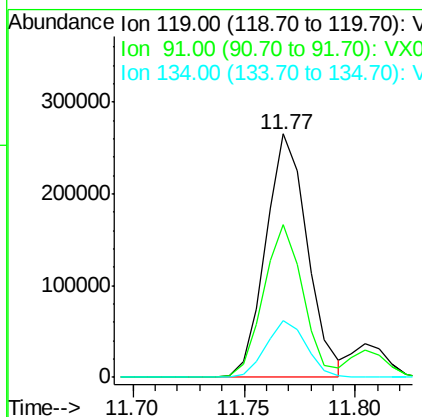
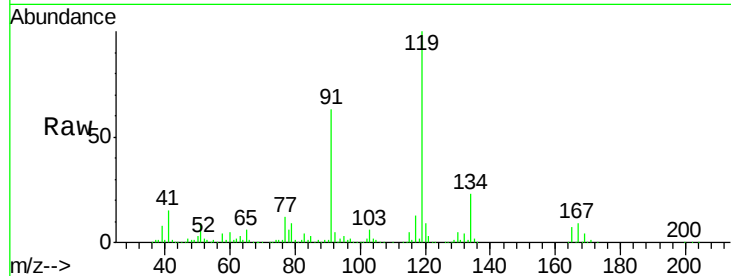
#83
 tert-Butylbenzene
 Concen: 45.377 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX008844.D
 Acq: 11 Apr 2019 07:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	343864		
91	60.4	30.0	90.1	
134	22.5	11.1	33.3	

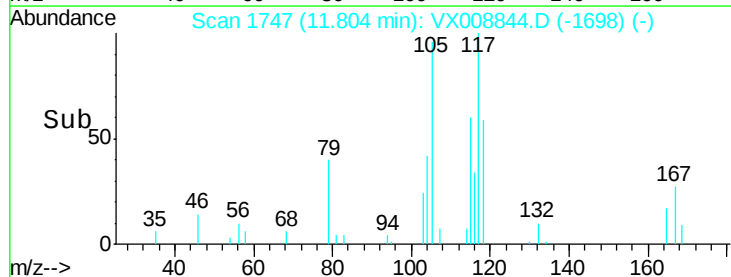
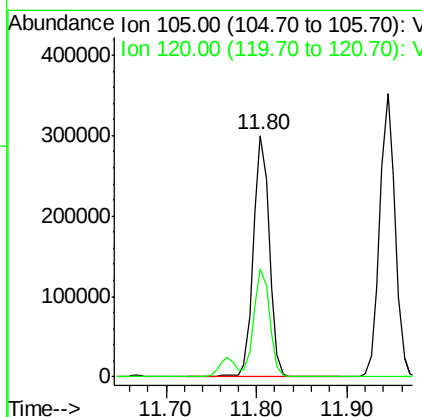
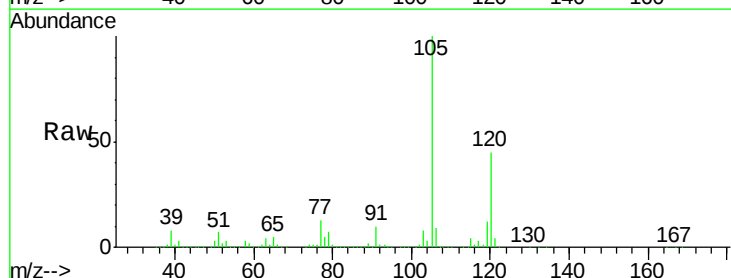
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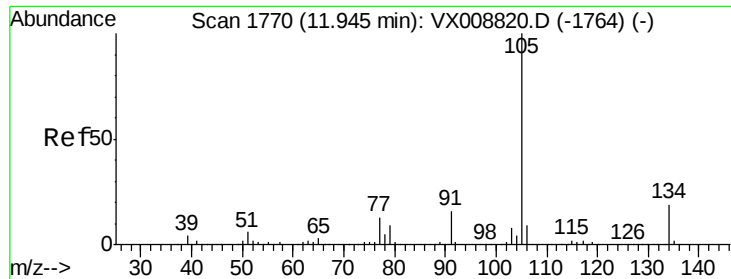
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 45.796 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX008844.D
 Acq: 11 Apr 2019 07:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	365255		
120	43.9	21.8	65.3	





#85

sec-Butylbenzene

Concen: 45.960 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 413702

Ion Ratio Lower Upper

105 100

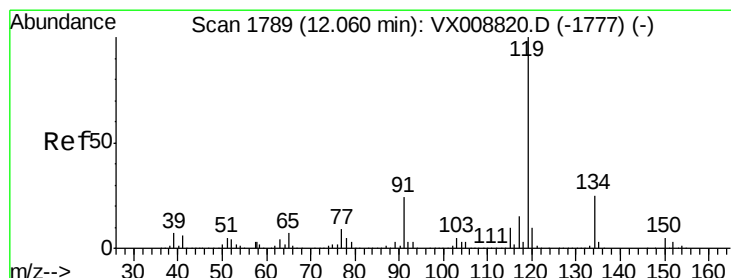
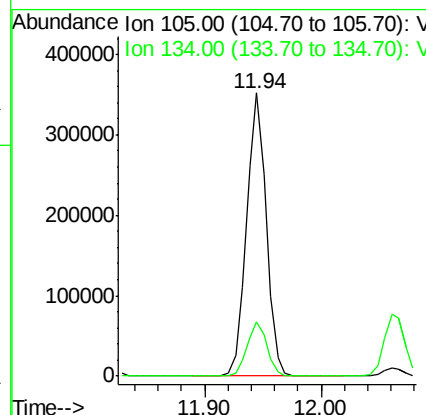
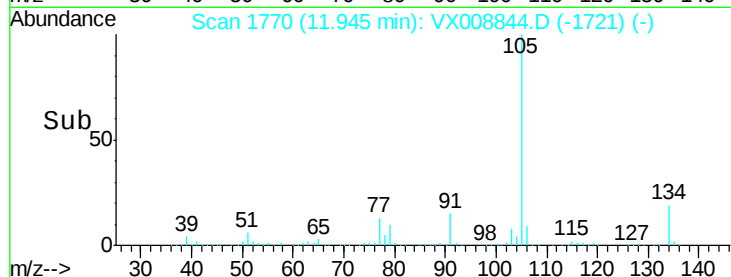
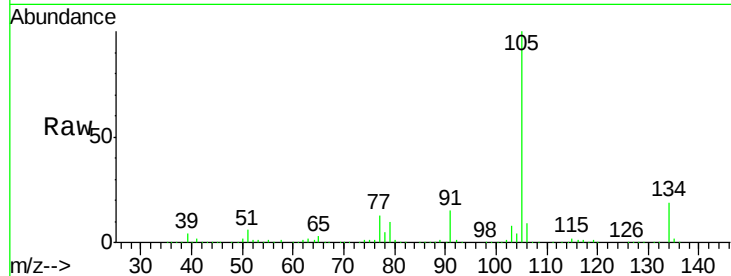
134 19.3 9.4 28.2

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#86

p-Isopropyltoluene

Concen: 45.889 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

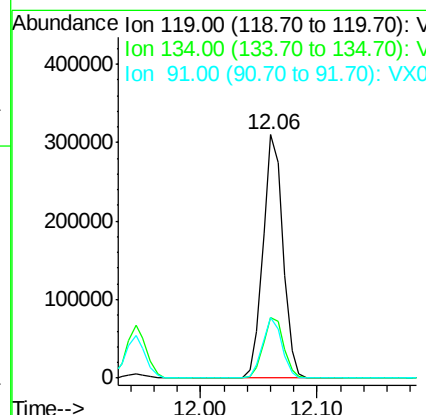
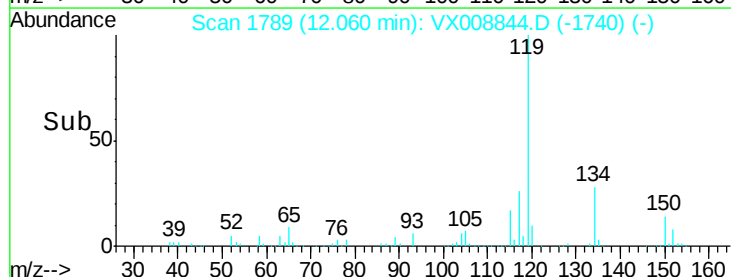
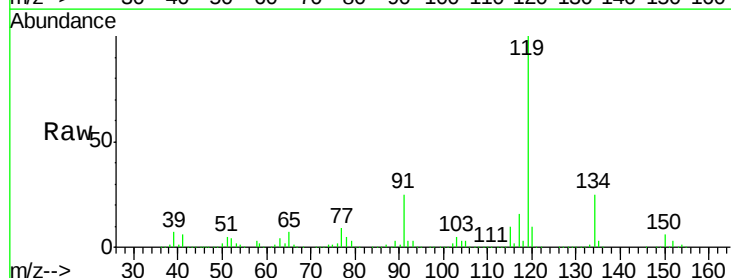
Tgt Ion:119 Resp: 370741

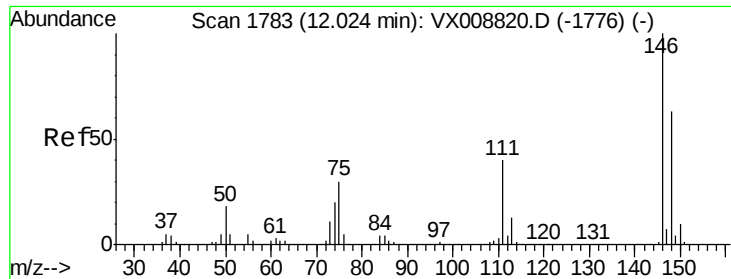
Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

91 24.3 12.2 36.6





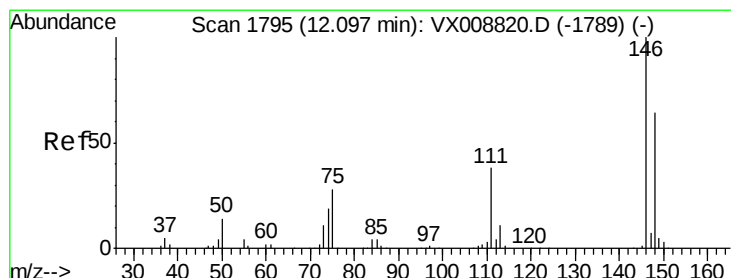
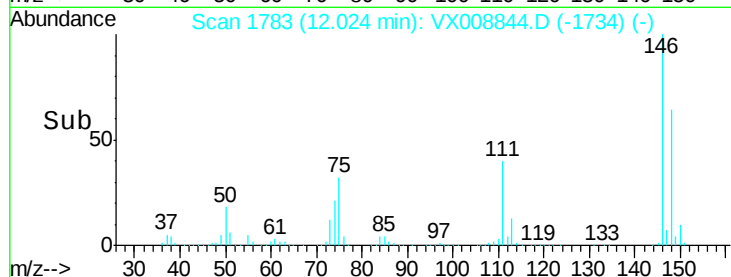
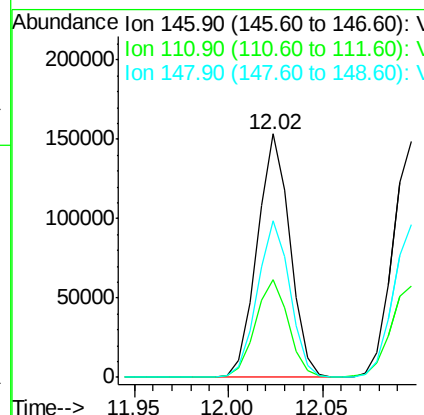
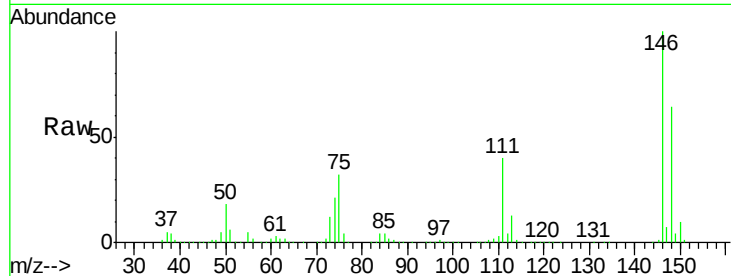
#87
 1,3-Dichlorobenzene
 Concen: 45.666 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008844.D
 Acq: 11 Apr 2019 07:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.5	61.5
148	64.2	31.6	94.7

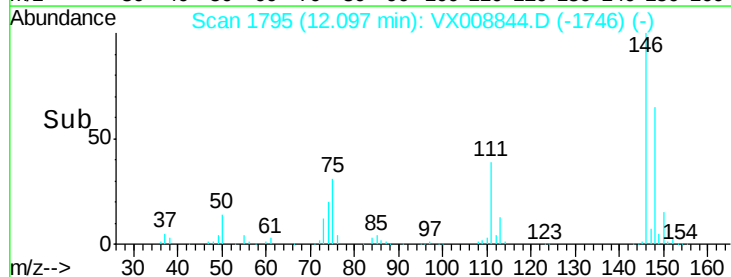
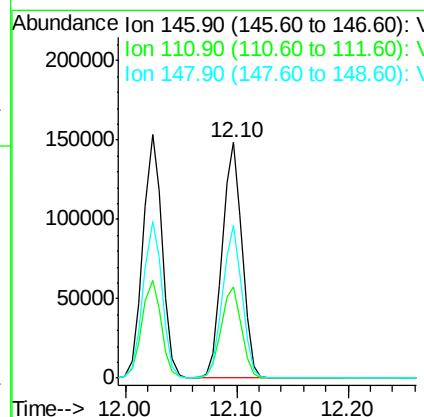
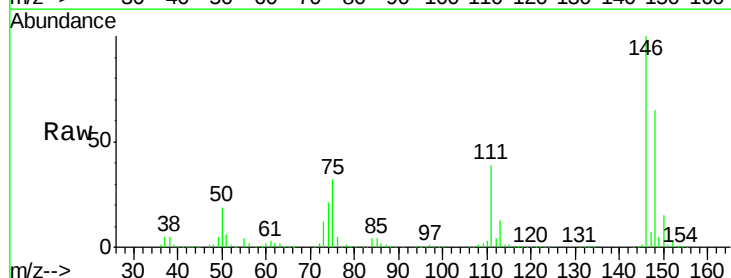
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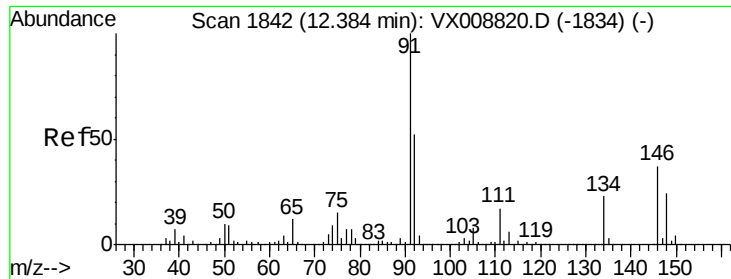
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#88
 1,4-Dichlorobenzene
 Concen: 44.639 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008844.D
 Acq: 11 Apr 2019 07:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.2	60.6
148	63.8	32.0	96.0





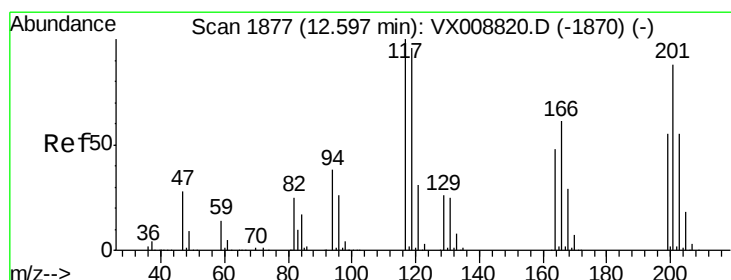
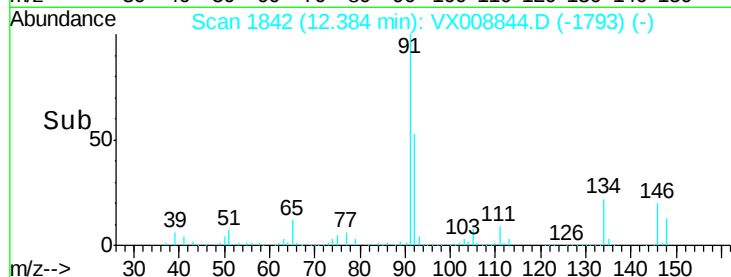
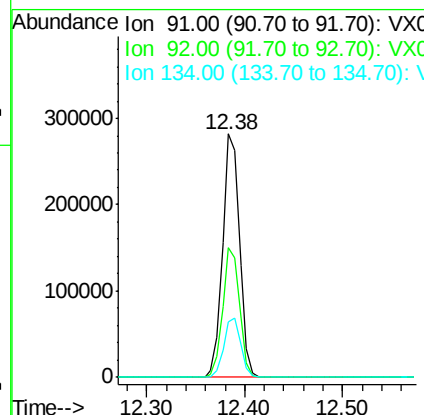
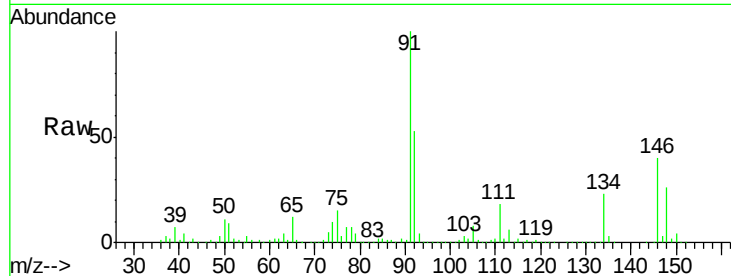
#89
n-Butylbenzene
Concen: 44.698 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008844.D
Acq: 11 Apr 2019 07:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.2
134	24.4	12.0	36.0

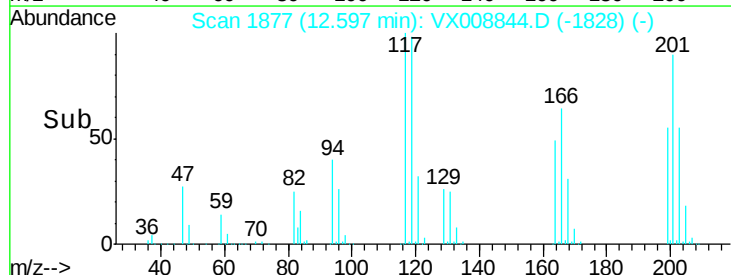
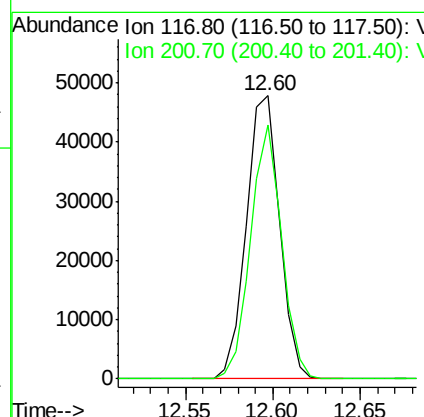
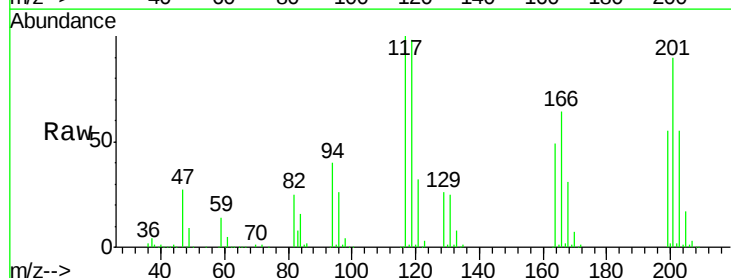
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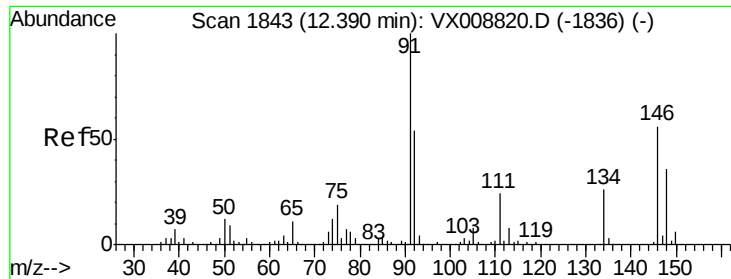
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#90
Hexachloroethane
Concen: 47.162 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008844.D
Acq: 11 Apr 2019 07:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.9	40.6	122.0





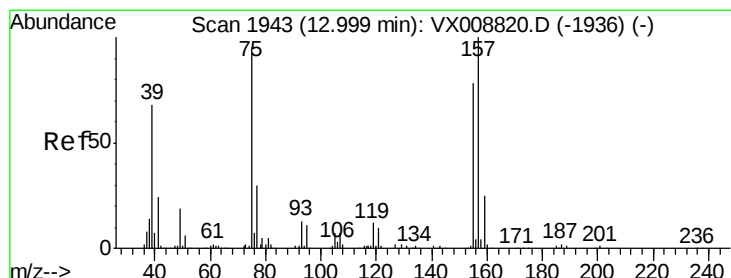
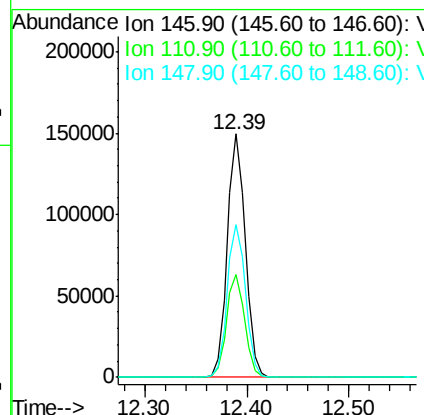
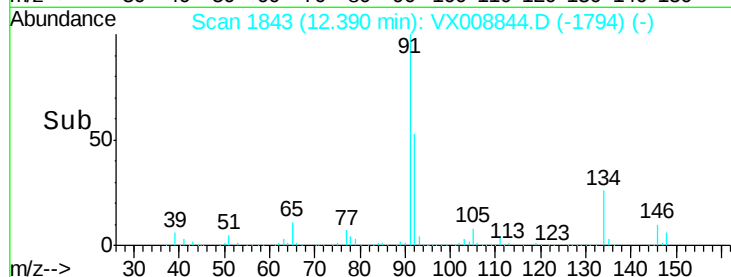
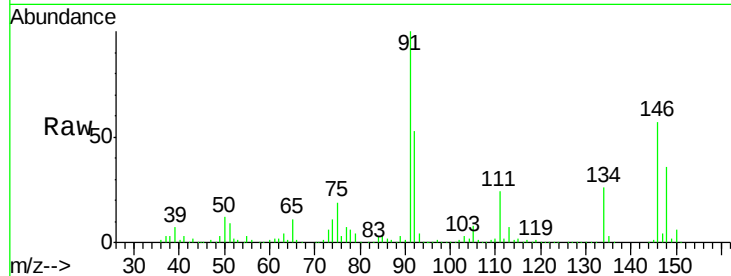
#91
 1,2-Dichlorobenzene
 Concen: 45.853 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008844.D
 Acq: 11 Apr 2019 07:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.3	63.9
148	63.8	31.7	95.1

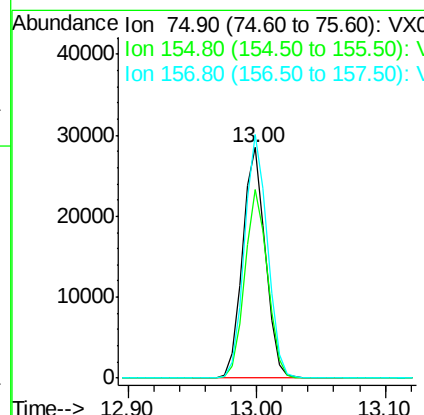
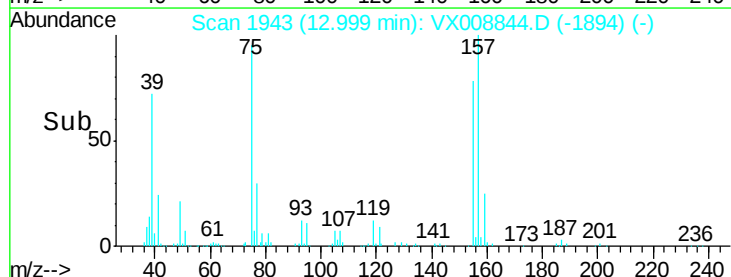
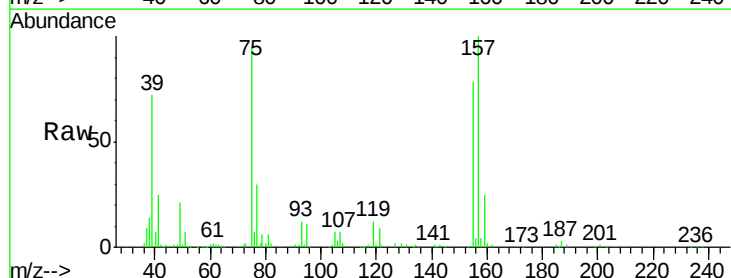
Manual Integrations
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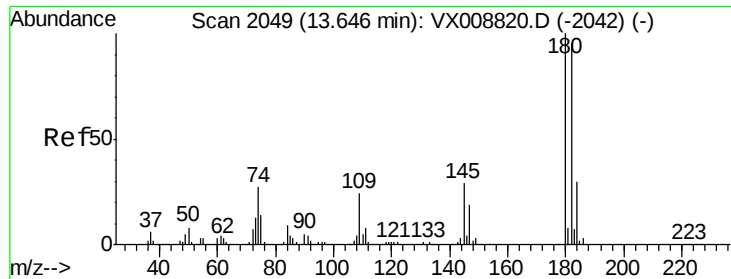
MMDadoda
 4/11/2019 11:48:28 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.605 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008844.D
 Acq: 11 Apr 2019 07:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.8	39.9	119.6
157	105.6	51.5	154.7





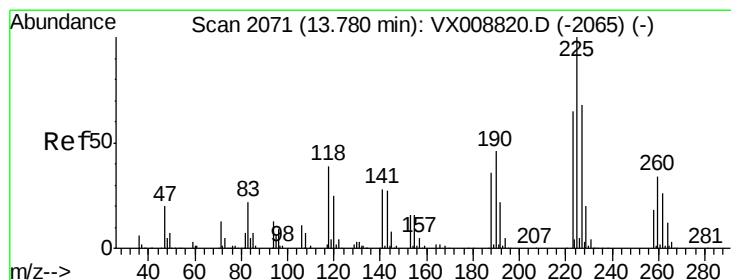
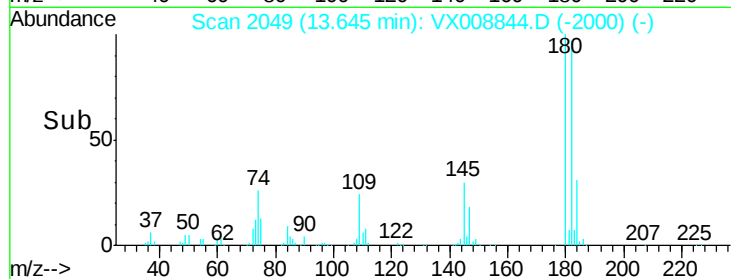
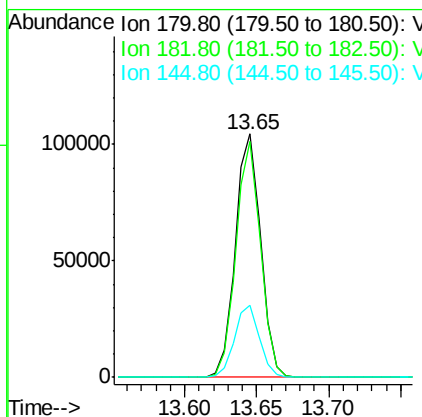
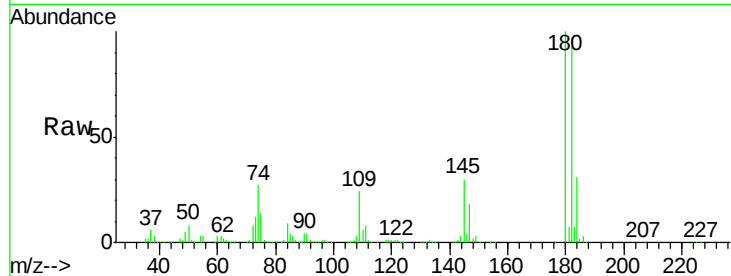
#93
 1,2,4-Trichlorobenzene
 Concen: 46.051 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008844.D
 Acq: 11 Apr 2019 07:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	128384
Ion Ratio	Lower	Upper	
180	100		
182	94.2	47.2	141.6
145	29.4	15.3	45.9

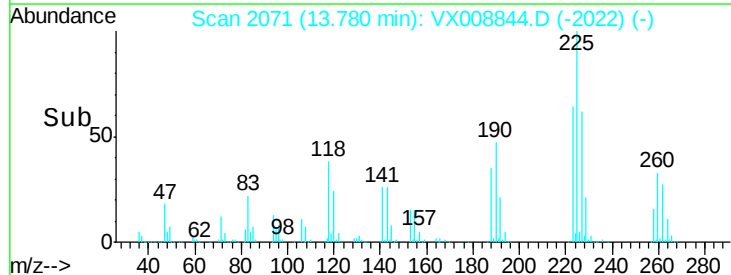
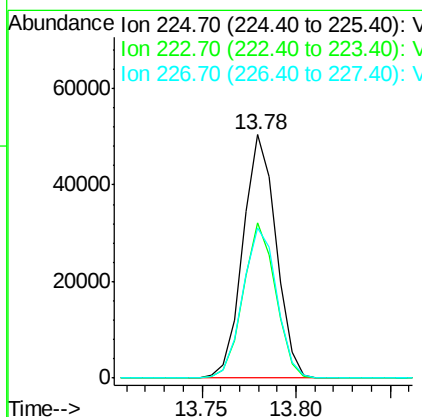
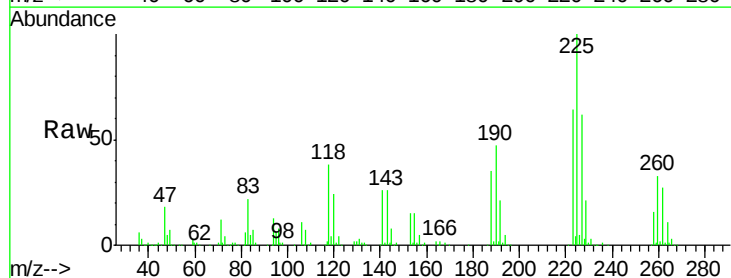
Manual Integrations
 APPROVED

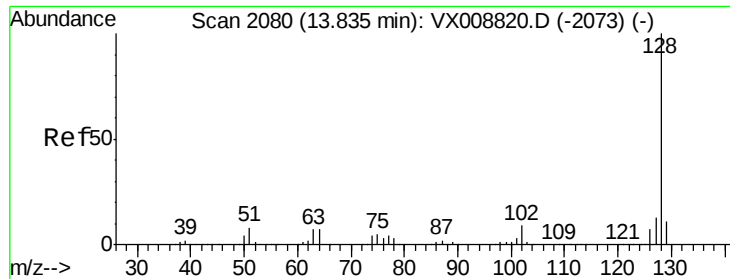
MMDadoda
 4/11/2019 11:48:28 AM



#94
 Hexachlorobutadiene
 Concen: 45.908 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008844.D
 Acq: 11 Apr 2019 07:21

Tgt Ion:	225	Resp:	61380
Ion Ratio	Lower	Upper	
225	100		
223	62.2	31.2	93.6
227	63.3	31.9	95.5





#95

Naphthalene

Concen: 47.069 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

Instrument :

MSVOA_X

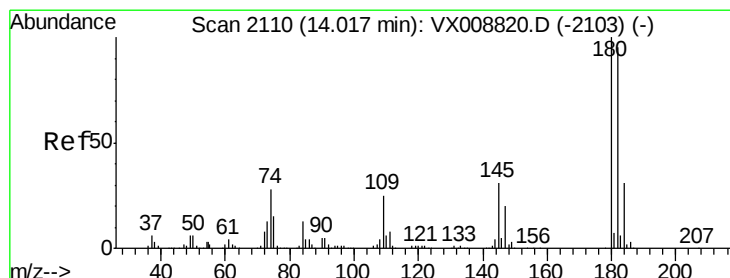
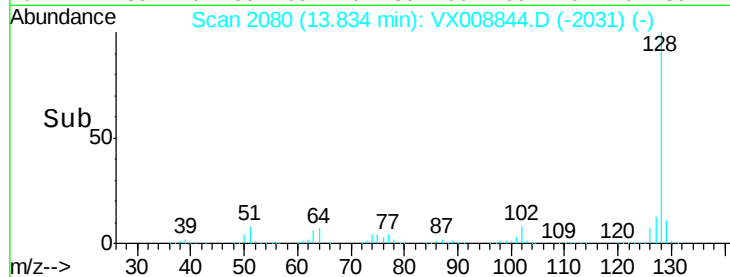
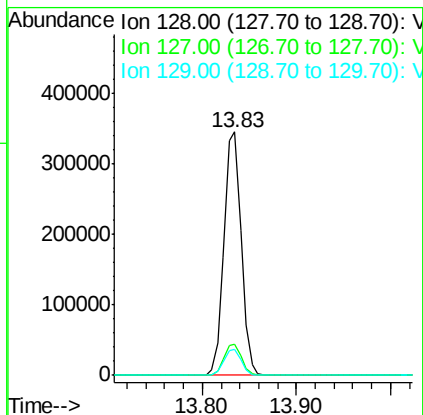
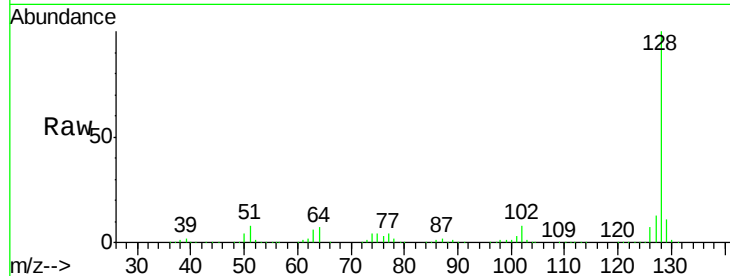
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	438573
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/11/2019 11:48:28 AM



#96

1,2,3-Trichlorobenzene

Concen: 46.536 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008844.D

Acq: 11 Apr 2019 07:21

Tgt Ion:	180	Resp:	129623
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.1	144.3
145	31.6	16.3	48.8

