

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040819\
 Data File : VX008736.D
 Acq On : 08 Apr 2019 10:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/9/2019 1:48:49 PM

Quant Time: Apr 09 06:50:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	203403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	327962	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	284646	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	134687	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	145897	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
35) Dibromofluoromethane	5.49	113	109250	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
50) Toluene-d8	8.71	98	436067	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
62) 4-Bromofluorobenzene	11.13	95	157091	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	106872	45.646	ug/l	99
3) Chloromethane	1.32	50	141042	49.124	ug/l	99
4) Vinyl Chloride	1.40	62	143294	45.274	ug/l	100
5) Bromomethane	1.64	94	75470	48.465	ug/l	99
6) Chloroethane	1.71	64	85845	49.642	ug/l	99
7) Trichlorofluoromethane	1.92	101	169500	48.446	ug/l	99
8) Diethyl Ether	2.18	74	79006	47.618	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	106095	47.099	ug/l	96
10) Methyl Iodide	2.51	142	101889	49.691	ug/l	100
11) Tert butyl alcohol	3.06	59	164458	236.782	ug/l	100
12) 1,1-Dichloroethene	2.37	96	105347	44.800	ug/l	100
13) Acrolein	2.29	56	134448	390.388	ug/l	99
14) Allyl chloride	2.72	41	259383	48.184	ug/l	99
15) Acrylonitrile	3.14	53	430872	234.170	ug/l	100
16) Acetone	2.45	43	430026	251.659	ug/l	98
17) Carbon Disulfide	2.56	76	321658	47.329	ug/l	99
18) Methyl Acetate	2.77	43	194691	46.979	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	419260	49.925	ug/l	98
20) Methylene Chloride	2.85	84	129476	45.267	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	118730	46.679	ug/l	94
22) Diisopropyl ether	3.85	45	502086	48.391	ug/l	98
23) Vinyl Acetate	3.81	43	2240880	248.266	ug/l	100
24) 1,1-Dichloroethane	3.69	63	246948	48.072	ug/l	99
25) 2-Butanone	4.67	43	664565	246.067	ug/l	100
26) 2,2-Dichloropropane	4.58	77	188904	52.210	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	139048	47.548	ug/l	98
28) Bromochloromethane	5.01	49	122111	57.350	ug/l	99
29) Tetrahydrofuran	5.13	42	420817	234.759	ug/l	100
30) Chloroform	5.21	83	223570	48.726	ug/l	99
31) Cyclohexane	5.57	56	245176	47.831	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	185910	50.141	ug/l	99
36) 1,1-Dichloropropene	5.79	75	177733	49.577	ug/l	99
37) Ethyl Acetate	4.83	43	243907	50.972	ug/l	100
38) Carbon Tetrachloride	5.78	117	158214	53.322	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	227152	51.292	ug/l	99
40) Benzene	6.14	78	532924	49.899	ug/l	99
41) Methacrylonitrile	5.04	41	136104	49.482	ug/l	99
42) 1,2-Dichloroethane	6.19	62	188063	49.118	ug/l	100
43) Isopropyl Acetate	6.44	43	390005	52.029	ug/l	100
44) Trichloroethene	7.21	130	127862	51.403	ug/l	99
45) 1,2-Dichloropropane	7.51	63	152585	50.055	ug/l	100
46) Dibromomethane	7.66	93	86775	49.081	ug/l	99
47) Bromodichloromethane	7.90	83	176864	53.056	ug/l	98
48) Methyl methacrylate	7.77	41	196298	51.769	ug/l	99
49) 1,4-Dioxane	7.74	88	66093	930.470	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	1226734	254.223	ug/l	100
52) Toluene	8.78	92	322466	51.214	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	208014	55.706	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	229116	53.698	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	129085	51.074	ug/l	99
56) Ethyl methacrylate	9.18	69	241390	52.787	ug/l	99
57) 1,3-Dichloropropane	9.37	76	231514	51.012	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	664447	284.557	ug/l	99
59) 2-Hexanone	9.49	43	941948	251.181	ug/l	100
60) Dibromochloromethane	9.58	129	131780	55.332	ug/l	100
61) 1,2-Dibromoethane	9.67	107	133240	50.639	ug/l	98
64) Tetrachloroethene	9.33	164	111790	53.008	ug/l	98
65) Chlorobenzene	10.13	112	328156	52.008	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	120217	54.309	ug/l	99
67) Ethyl Benzene	10.25	91	620532	52.741	ug/l	99
68) m/p-Xylenes	10.36	106	453327	107.161	ug/l	98
69) o-Xylene	10.69	106	217045	52.942	ug/l	98
70) Styrene	10.71	104	383334	54.244	ug/l	99
71) Bromoform	10.85	173	95555	56.521	ug/l #	100
73) Isopropylbenzene	11.02	105	587877	52.668	ug/l	100
74) N-amyl acetate	10.90	43	332170	50.581	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	204405	48.151	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	177006m	47.840	ug/l	
77) Bromobenzene	11.26	156	139417	51.957	ug/l	98
78) n-propylbenzene	11.36	91	691858	53.234	ug/l	100
79) 2-Chlorotoluene	11.42	91	398810	50.707	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	496389	52.979	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	75530	56.271	ug/l	97
82) 4-Chlorotoluene	11.51	91	467992	51.405	ug/l	99
83) tert-Butylbenzene	11.77	119	482083	53.481	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	499011	52.598	ug/l	100
85) sec-Butylbenzene	11.94	105	575301	53.730	ug/l	99
86) p-Isopropyltoluene	12.06	119	521432	54.258	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	246137	51.238	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	245811	50.533	ug/l	99
89) n-Butylbenzene	12.38	91	498780	55.343	ug/l	99
90) Hexachloroethane	12.60	117	90554	56.811	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	241794	50.695	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	46137	49.406	ug/l	100

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VSTDCCC050

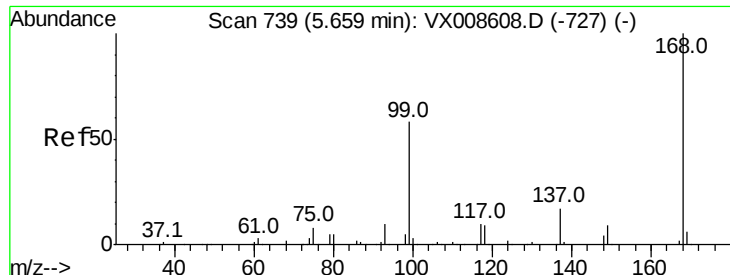
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	174830	52.720	ug/l	99
94) Hexachlorobutadiene	13.78	225	88662	55.748	ug/l	99
95) Naphthalene	13.83	128	570449	51.468	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	173405	52.335	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: VX008736.D

Acq: 08 Apr 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 203403

Ion Ratio Lower Upper

168 100

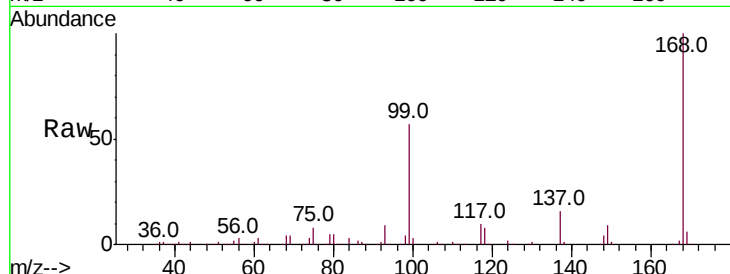
99 56.6 46.7 70.1

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

80000

60000

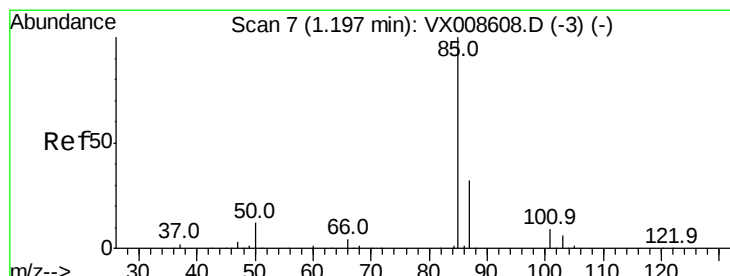
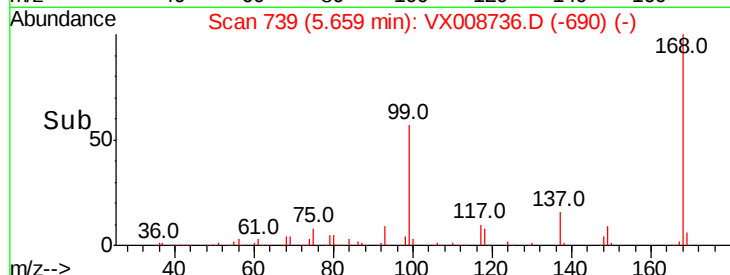
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 45.646 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008736.D

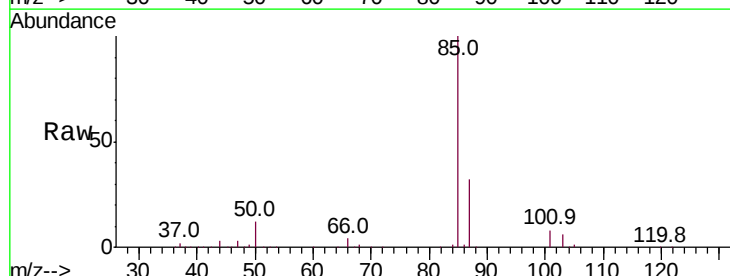
Acq: 08 Apr 2019 10:27

Tgt Ion: 85 Resp: 106872

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

120000

100000

80000

60000

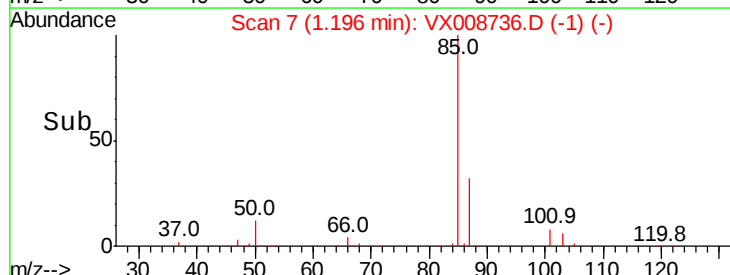
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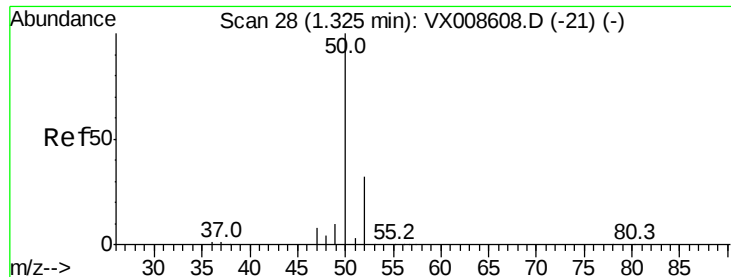
20000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 49.124 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 141042

Ion Ratio Lower Upper

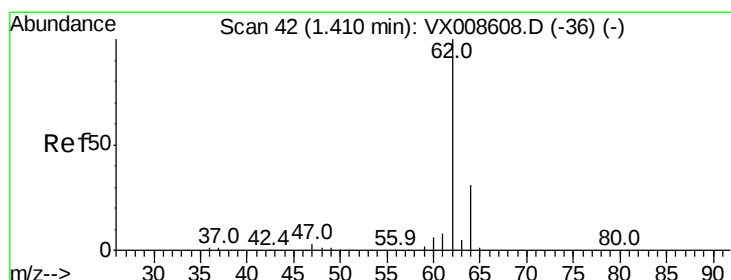
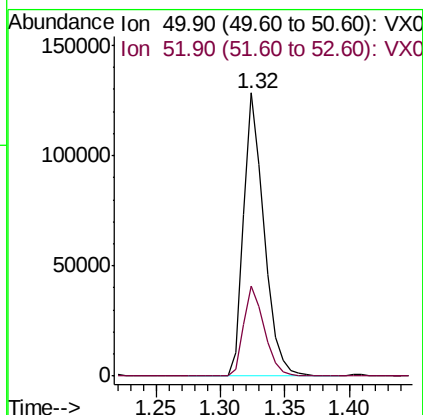
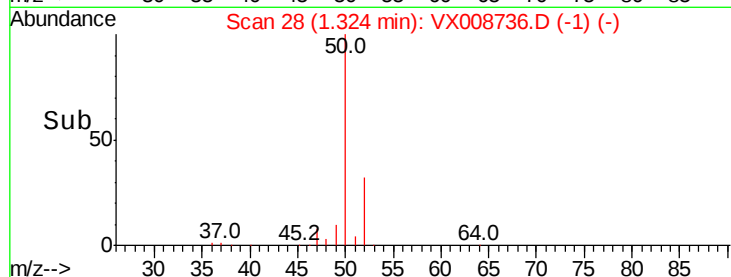
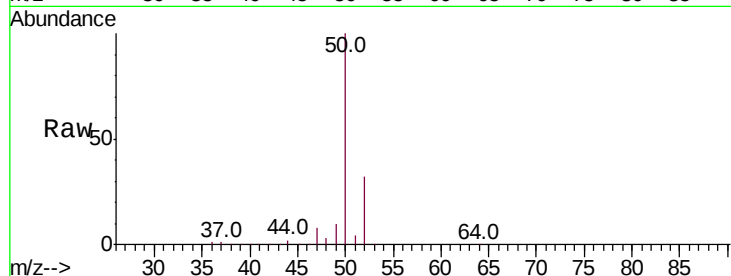
50 100

52 31.7 25.8 38.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 45.274 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX008736.D

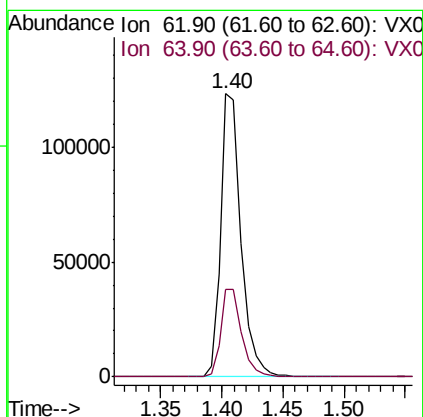
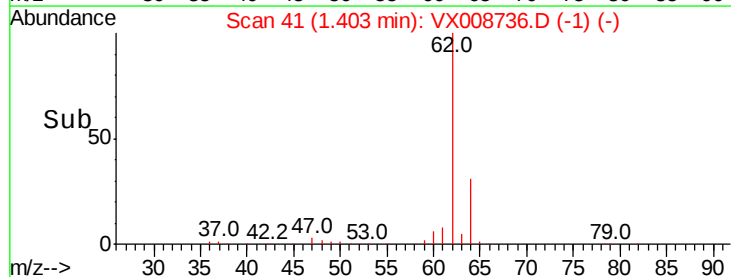
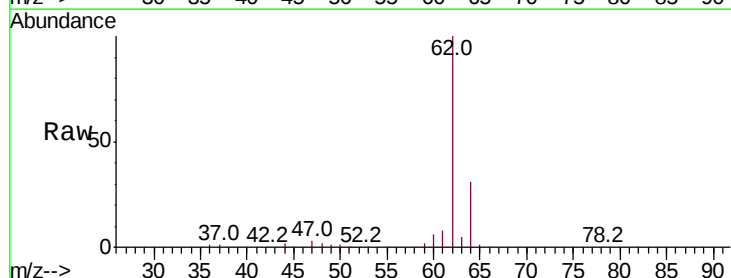
Acq: 08 Apr 2019 10:27

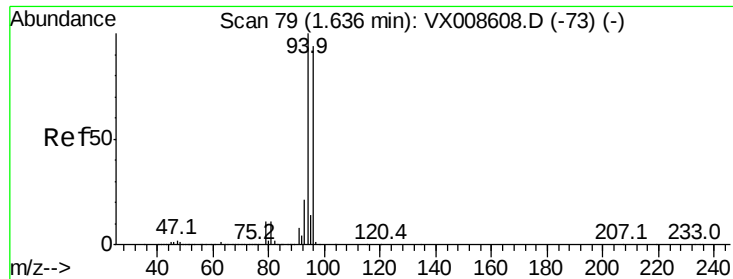
Tgt Ion: 62 Resp: 143294

Ion Ratio Lower Upper

62 100

64 30.9 24.7 37.1





#5

Bromomethane

Concen: 48.465 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 75470

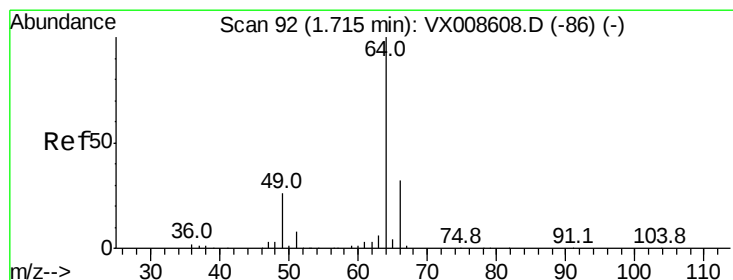
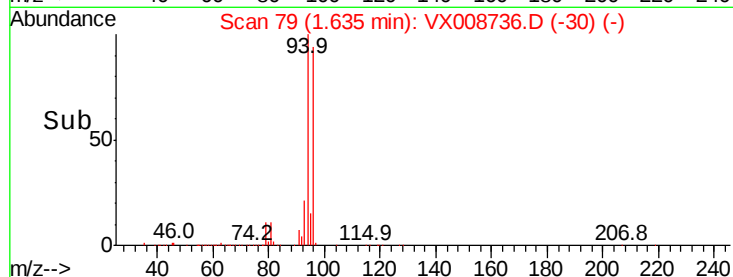
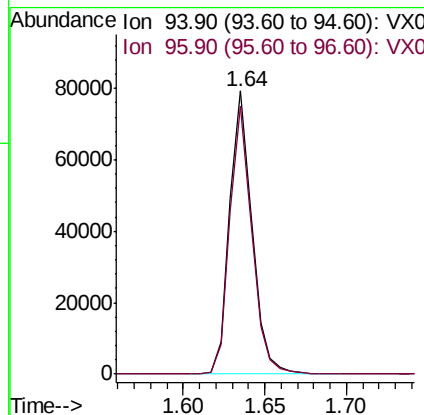
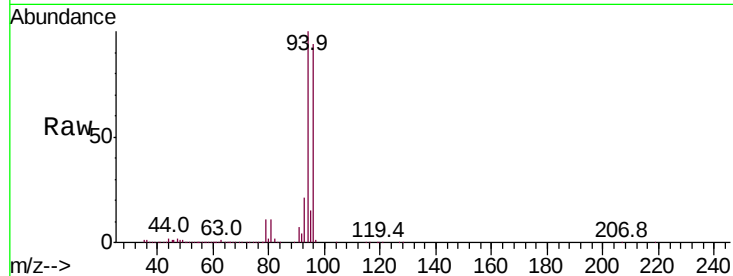
Ion Ratio Lower Upper

94 100

96 94.6 75.2 112.8

Manual Integrations
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#6

Chloroethane

Concen: 49.642 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008736.D

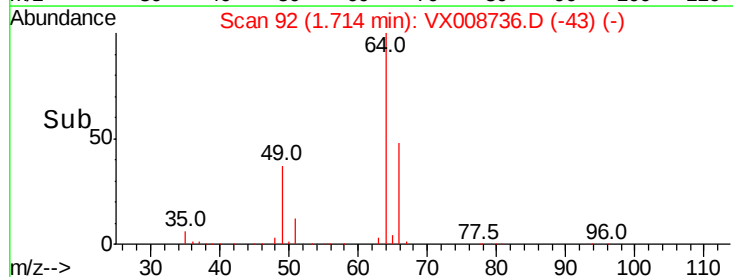
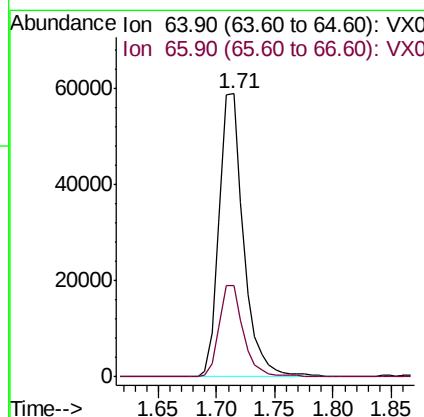
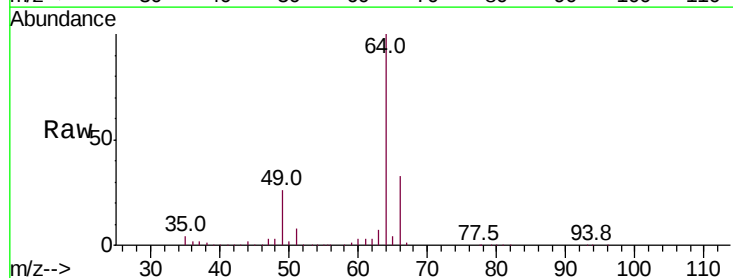
Acq: 08 Apr 2019 10:27

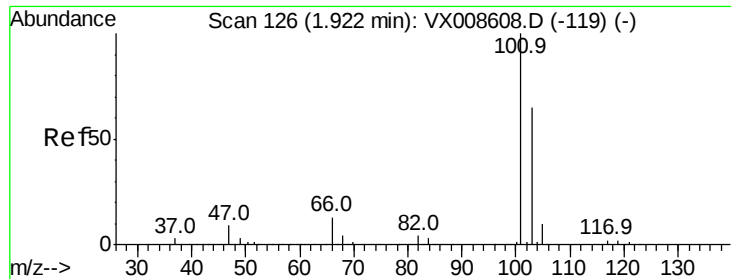
Tgt Ion: 64 Resp: 85845

Ion Ratio Lower Upper

64 100

66 32.4 25.4 38.0





#7

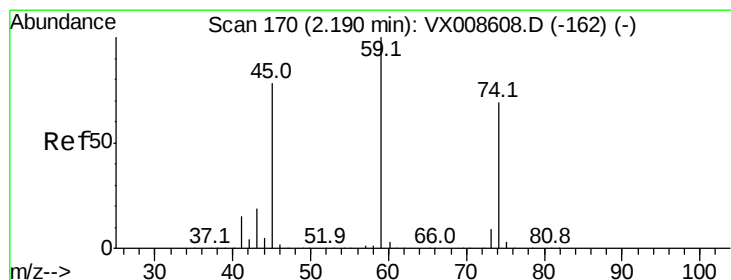
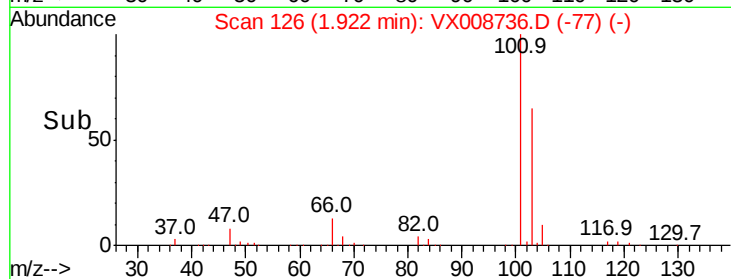
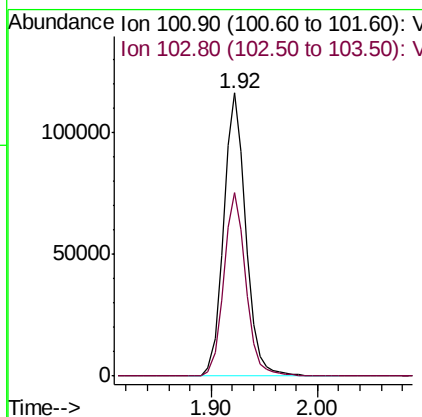
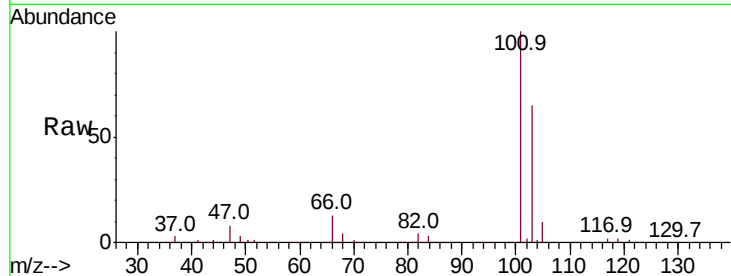
Trichlorofluoromethane
Concen: 48.446 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX008736.D
Acq: 08 Apr 2019 10:27

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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.3	78.5

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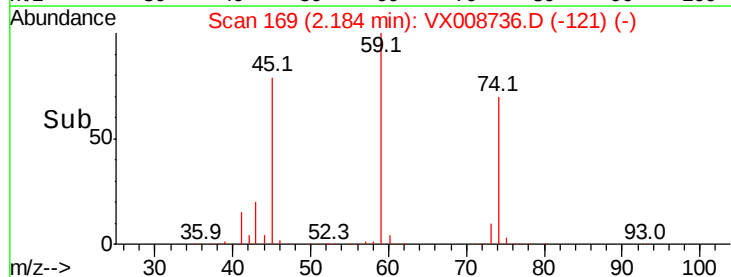
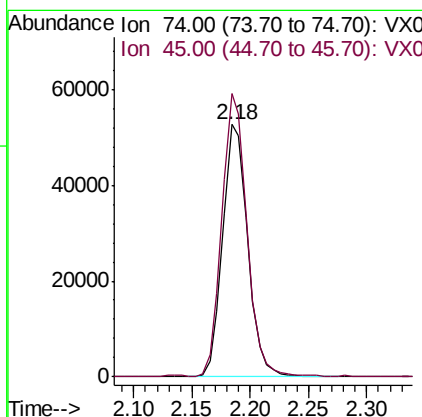
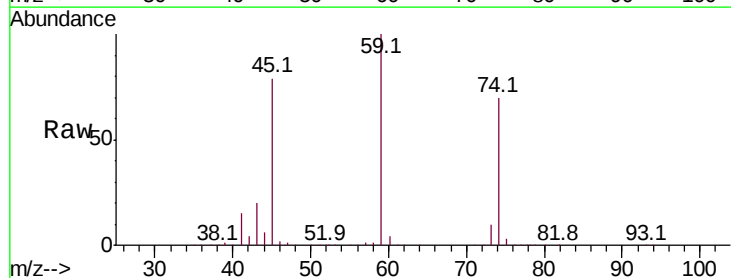
MMDadoda
4/9/2019 1:48:49 PM

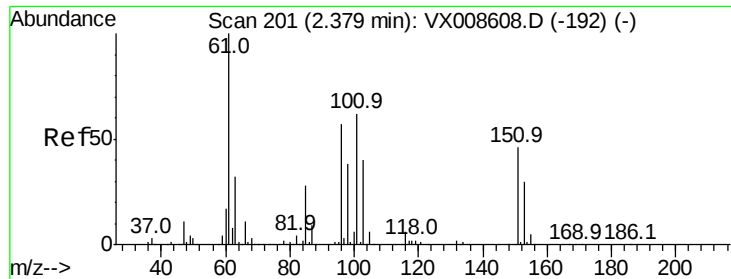


#8

Diethyl Ether
Concen: 47.618 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX008736.D
Acq: 08 Apr 2019 10:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.3	56.5	169.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.099 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

Instrument :

MSVOA_X

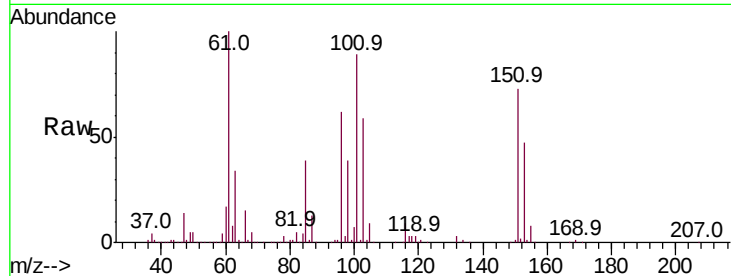
ClientSampleId :

VSTDCCC050

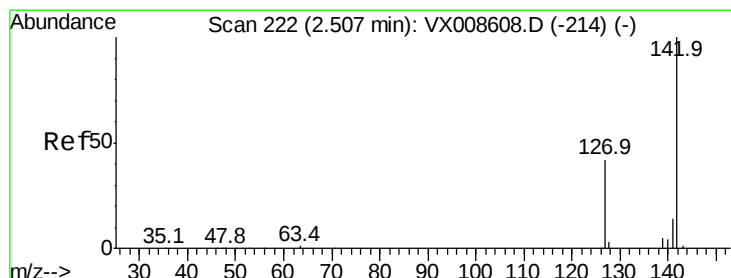
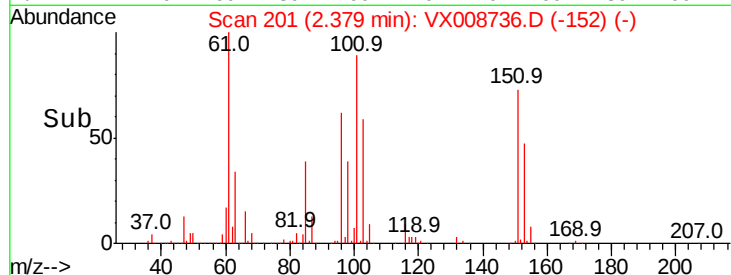
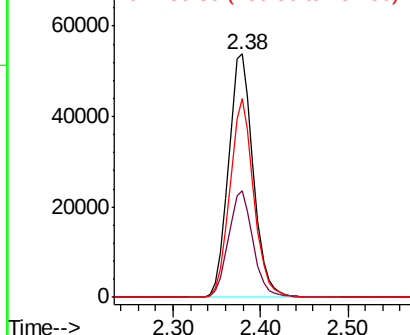
Tot Ion:	101	Resp:	106095
Ion Ratio	Lower	Upper	
101	100		
85	43.6	36.0	54.0
151	78.6	59.9	89.9

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4/9/2019 1:48:49 PM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.691 ug/l

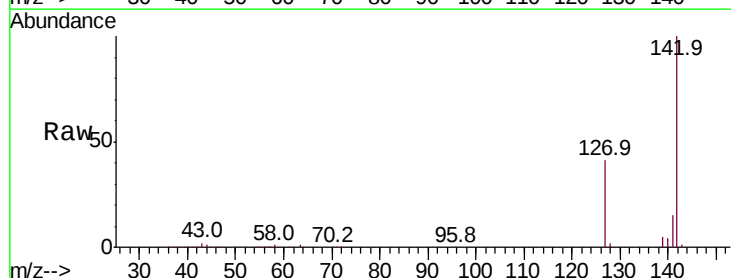
RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

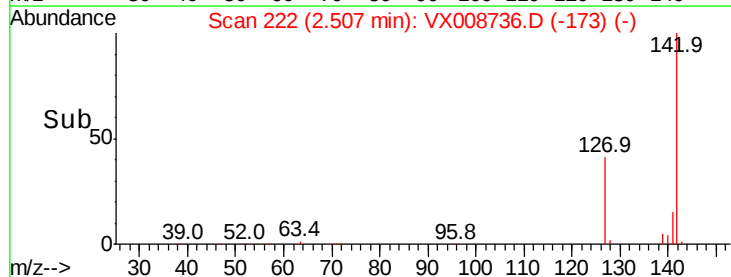
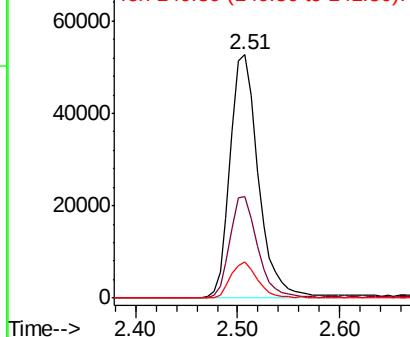
Lab File: VX008736.D

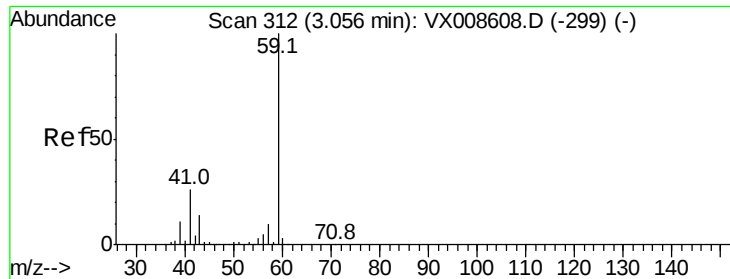
Acq: 08 Apr 2019 10:27

Tgt Ion:	142	Resp:	101889
Ion Ratio	Lower	Upper	
142	100		
127	41.0	33.0	49.6
141	14.3	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

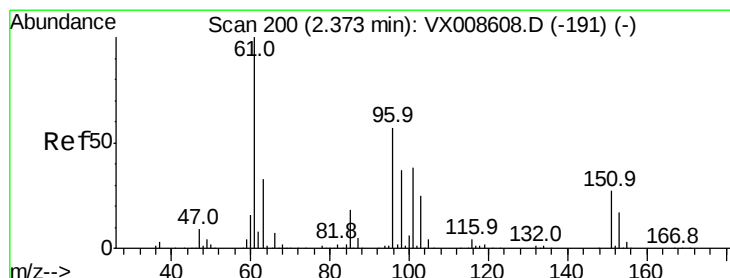
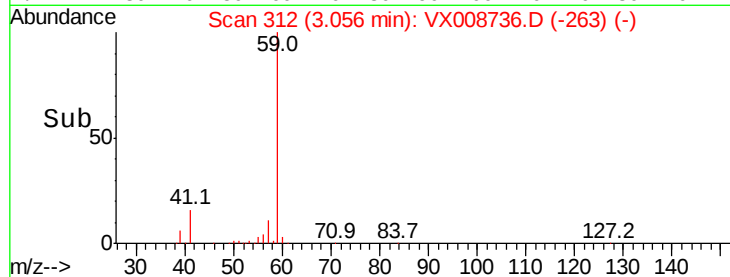
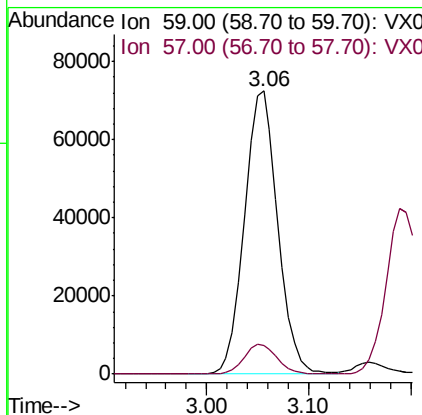
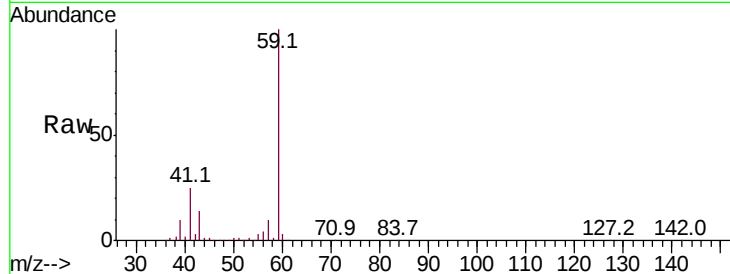
Tert butyl alcohol
Concen: 236.782 ug/l
RT: 3.06 min Scan# 312
Delta R.T. -0.00 min
Lab File: VX008736.D
Acq: 08 Apr 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	10.5	Resp	164458	Lower	8.3	Upper	12.5
Ion	59	57	Ratio	100	10.5	Resp	164458	Lower	8.3	Upper	12.5

Manual Integrations
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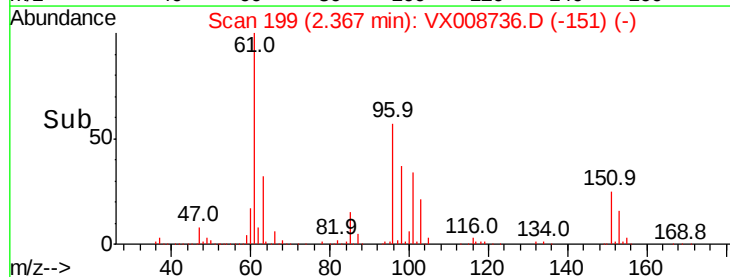
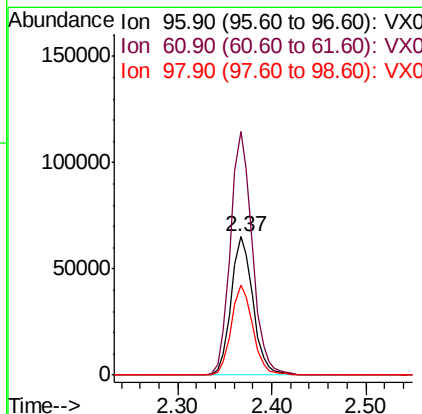
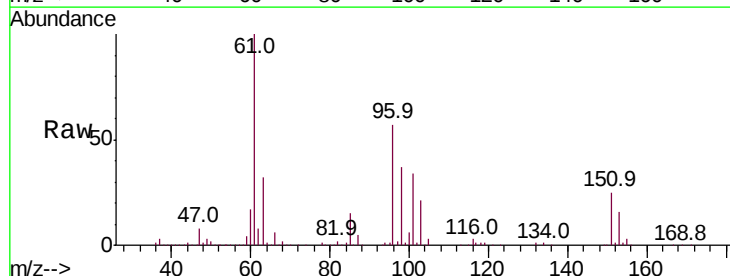
MMDadoda
4/9/2019 1:48:49 PM

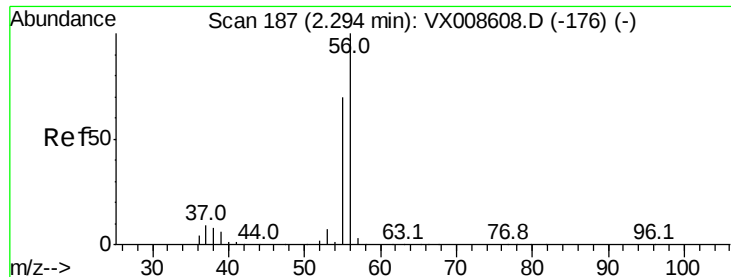


#12

1,1-Dichloroethene
Concen: 44.800 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX008736.D
Acq: 08 Apr 2019 10:27

Tgt Ion	96	61	98	Ratio	100	176.3	65.1	Resp	105347	Lower	140.9	52.1	Upper	211.3	78.1
Ion	96	61	98	Ratio	100	176.3	65.1	Resp	105347	Lower	140.9	52.1	Upper	211.3	78.1





#13

Acrolein

Concen: 390.388 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 134448

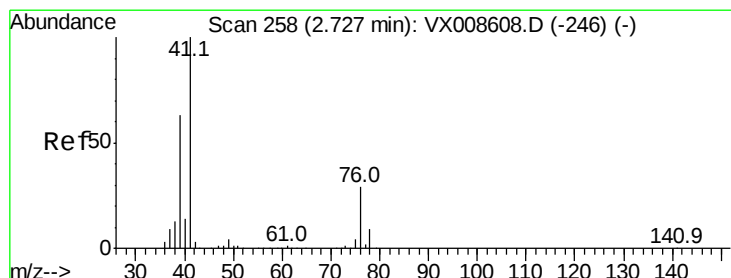
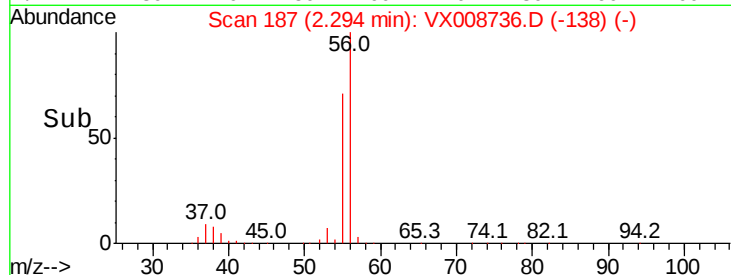
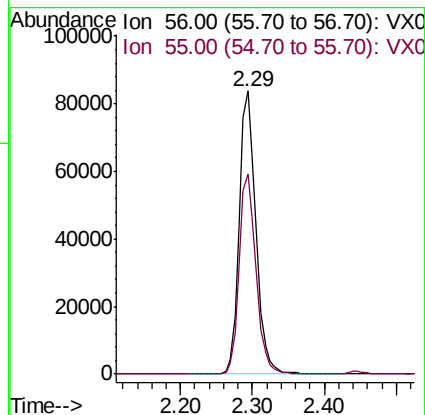
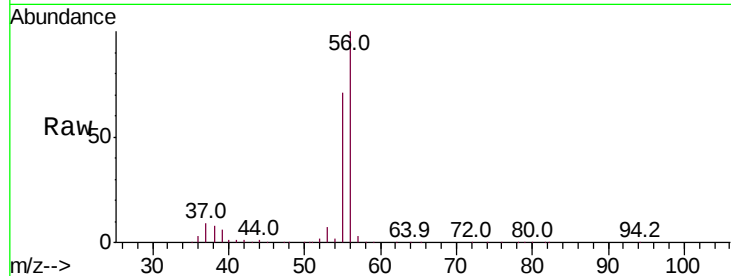
Ion Ratio Lower Upper

56 100

55 71.7 58.0 87.0

Manual Integrations
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4/9/2019 1:48:49 PM



#14

Allyl chloride

Concen: 48.184 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

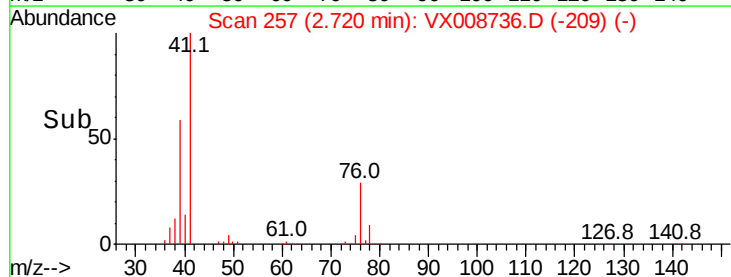
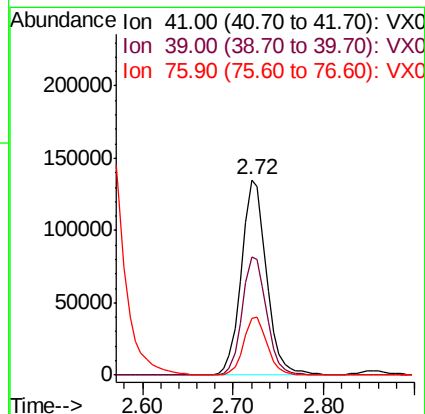
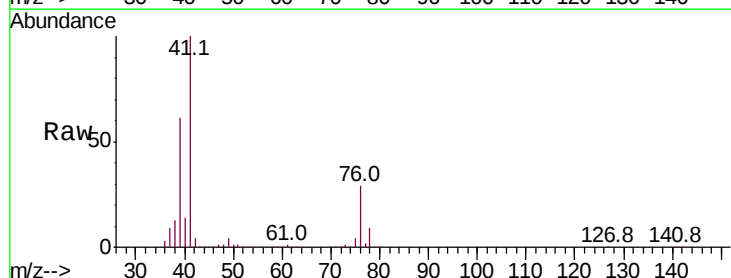
Tgt Ion: 41 Resp: 259383

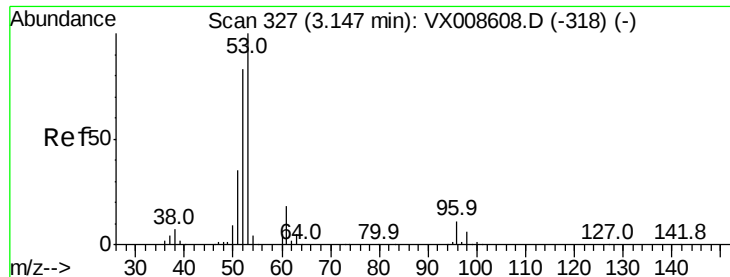
Ion Ratio Lower Upper

41 100

39 58.8 48.0 72.0

76 27.6 22.0 33.0





#15

Acrylonitrile

Concen: 234.170 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

Instrument :

MSVOA_X

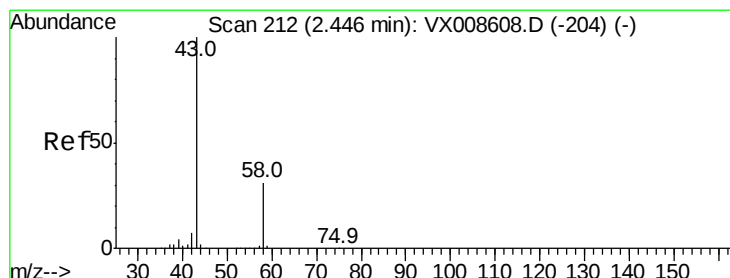
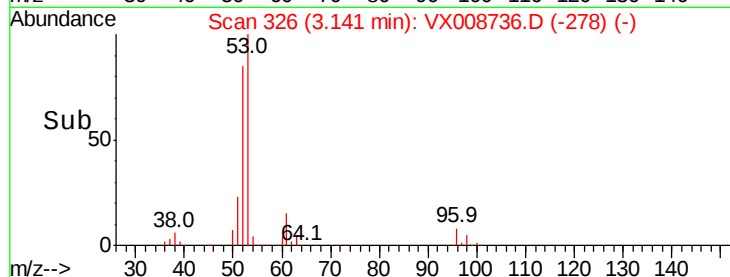
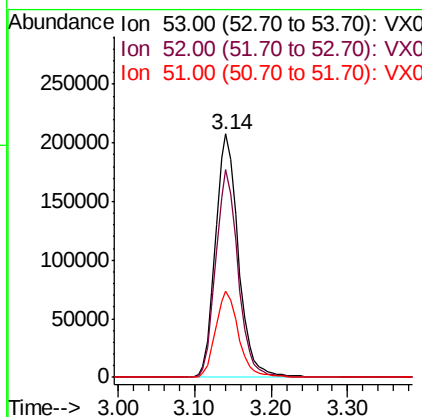
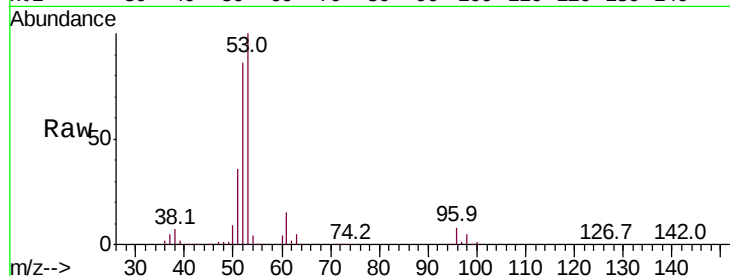
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	430872
Ion Ratio	Lower	Upper	
53	100		
52	83.1	66.5	99.7
51	35.4	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 251.659 ug/l

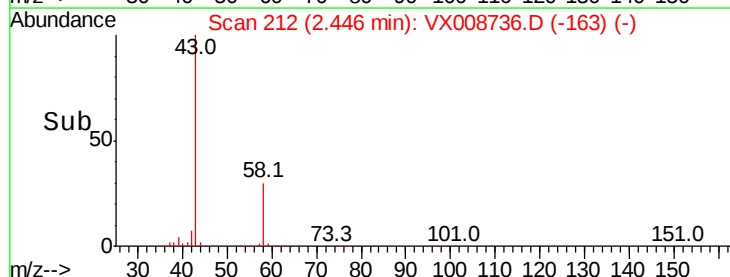
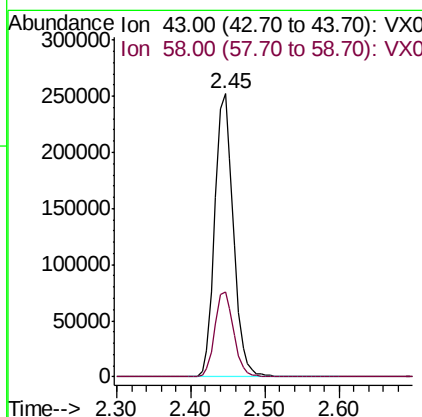
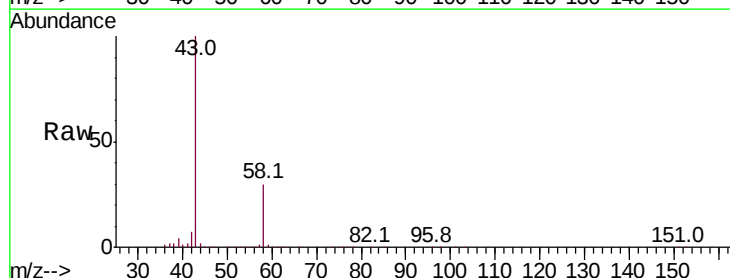
RT: 2.45 min Scan# 212

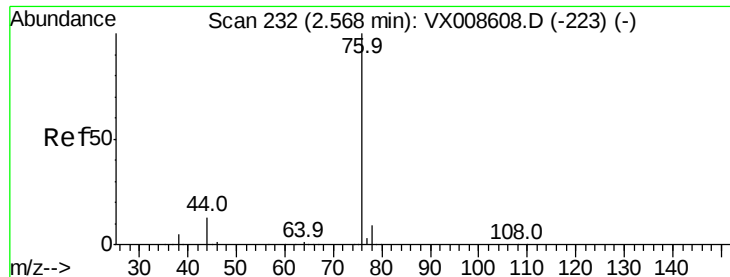
Delta R.T. -0.00 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

Tgt Ion:	43	Resp:	430026
Ion Ratio	Lower	Upper	
43	100		
58	30.1	24.8	37.2





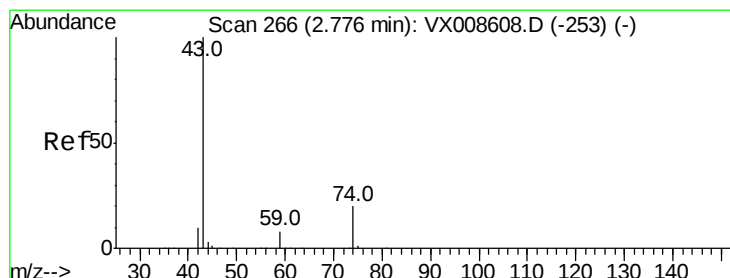
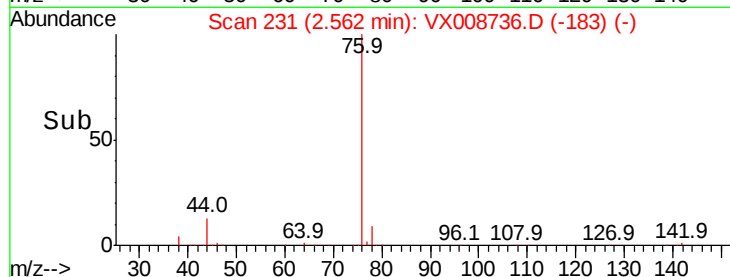
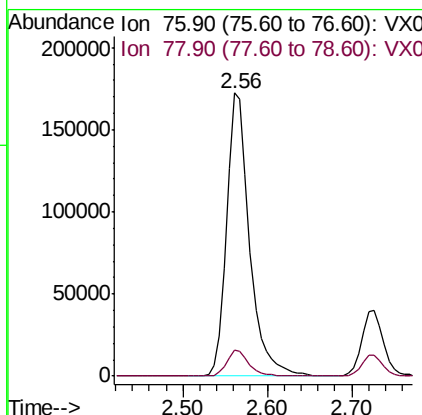
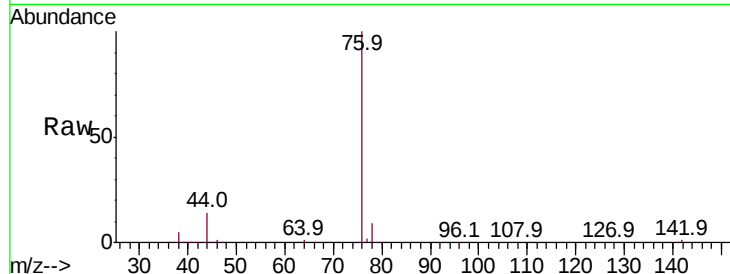
#17
Carbon Disulfide
Concen: 47.329 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX008736.D
Acq: 08 Apr 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
76	100	321658		
78	9.1		7.1	10.7

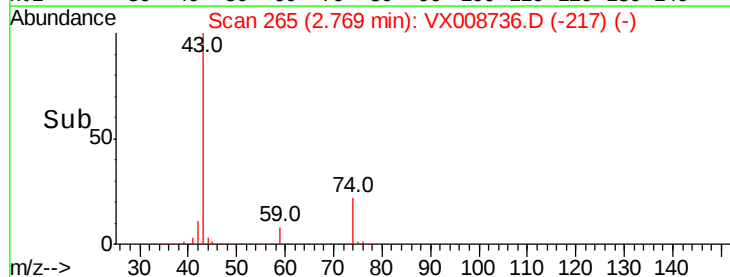
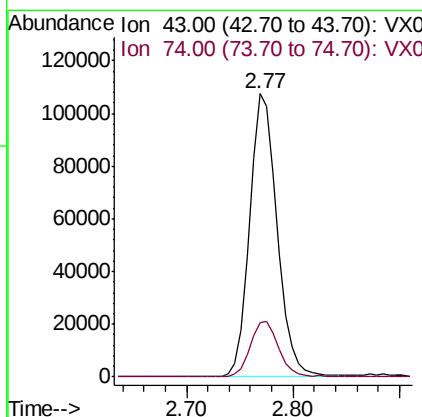
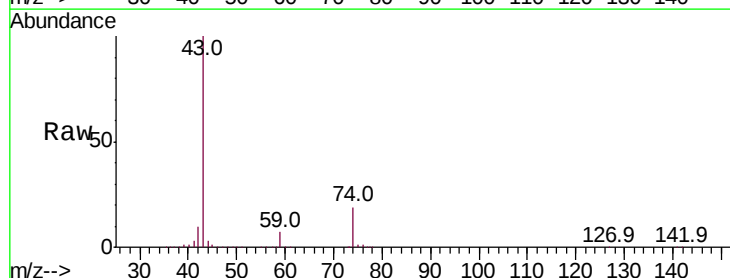
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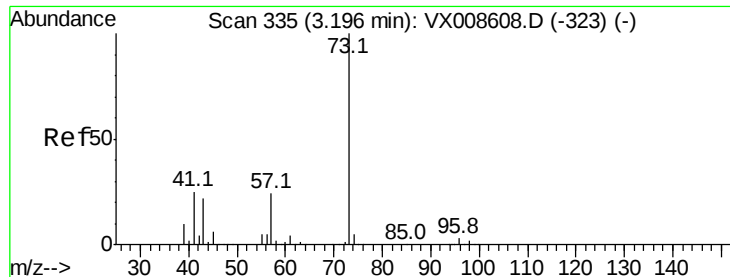
MMDadoda
4/9/2019 1:48:49 PM



#18
Methyl Acetate
Concen: 46.979 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX008736.D
Acq: 08 Apr 2019 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	194691		
74	20.6		16.5	24.7





#19

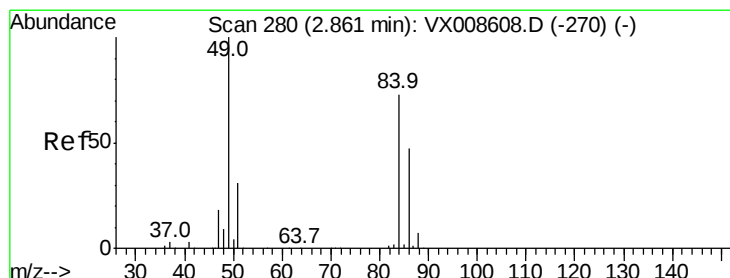
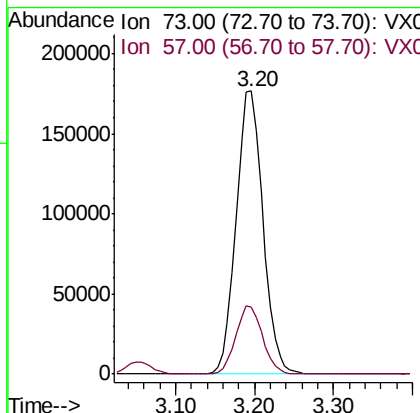
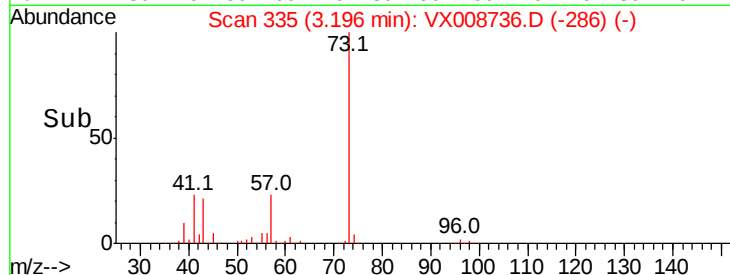
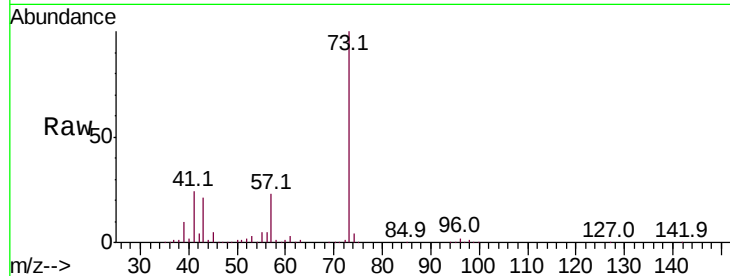
Methyl tert-butyl Ether
 Concen: 49.925 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX008736.D
 Acq: 08 Apr 2019 10:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.5	19.5	29.3

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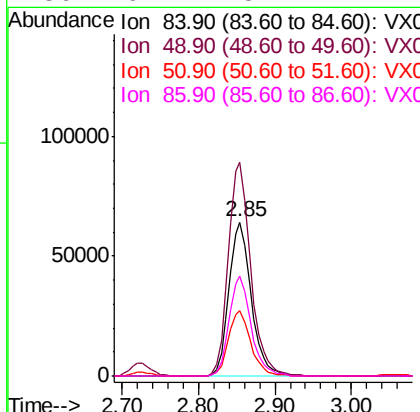
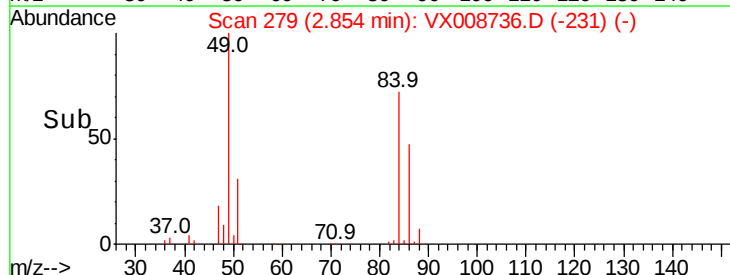
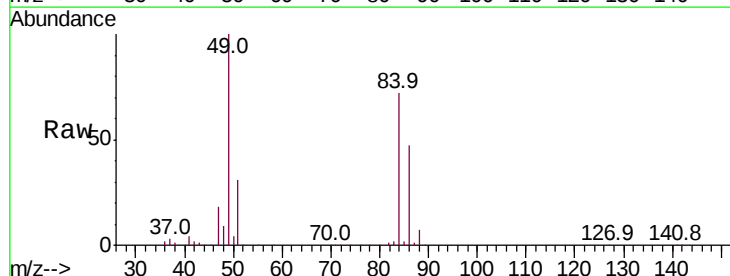
MMDadoda
 4/9/2019 1:48:49 PM

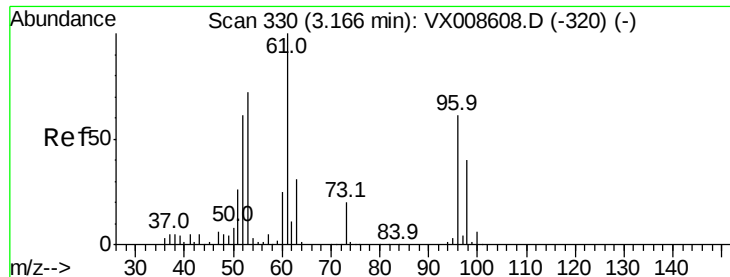


#20

Methylene Chloride
 Concen: 45.267 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX008736.D
 Acq: 08 Apr 2019 10:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	138.4	109.7	164.5
51	42.4	33.6	50.4
86	64.4	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 46.679 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 118730

Ion Ratio Lower Upper

96 100

61 156.1 132.1 198.1

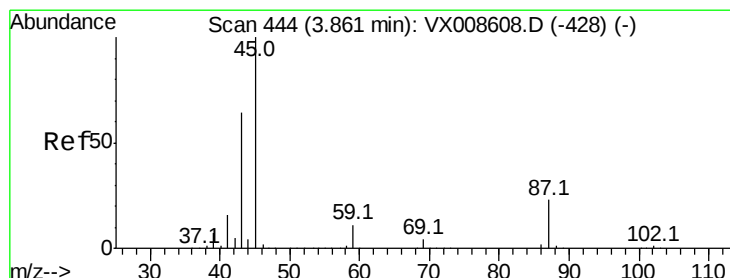
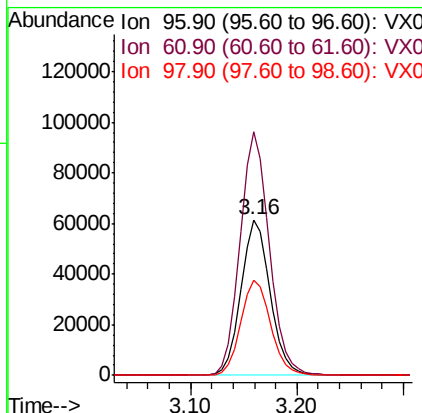
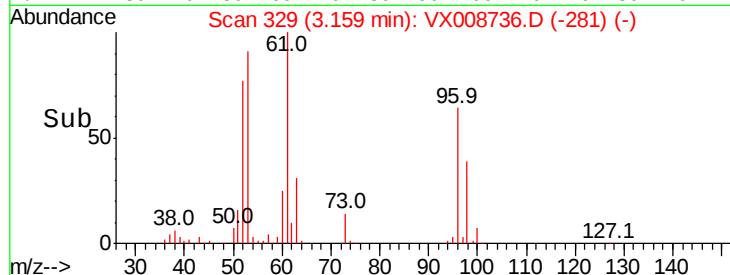
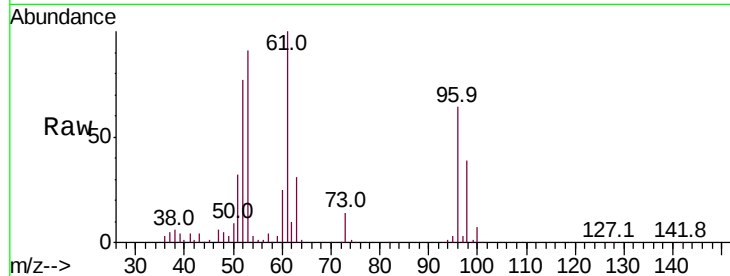
98 60.8 52.2 78.2

Manual Integrations

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4/9/2019 1:48:49 PM



#22

Diisopropyl ether

Concen: 48.391 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.01 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

Tgt Ion: 45 Resp: 502086

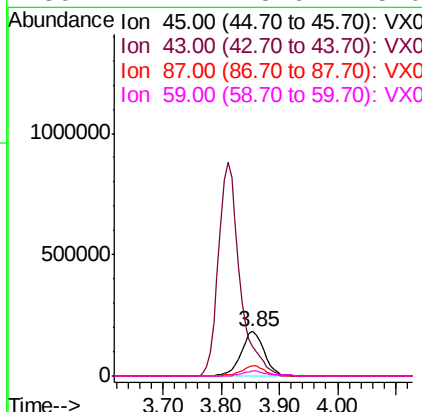
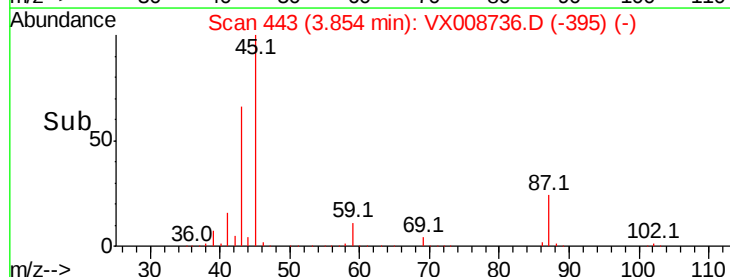
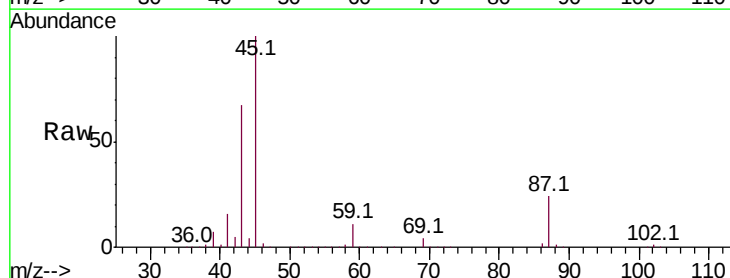
Ion Ratio Lower Upper

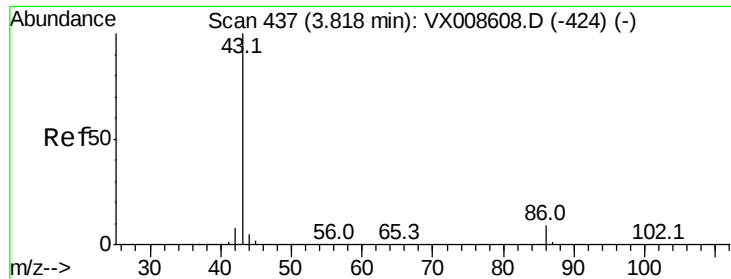
45 100

43 66.4 51.3 76.9

87 23.5 18.1 27.1

59 11.1 8.6 13.0





#23

Vinyl Acetate

Concen: 248.266 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2240880

Ion Ratio Lower Upper

43 100

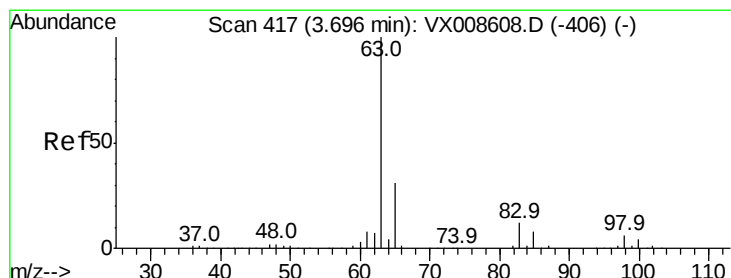
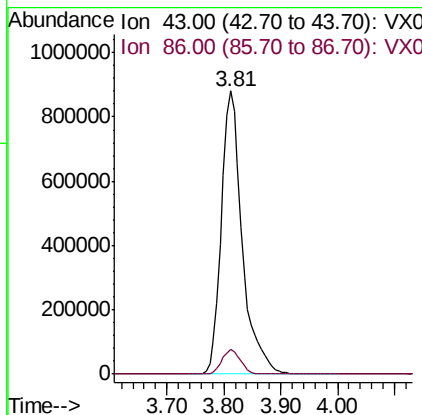
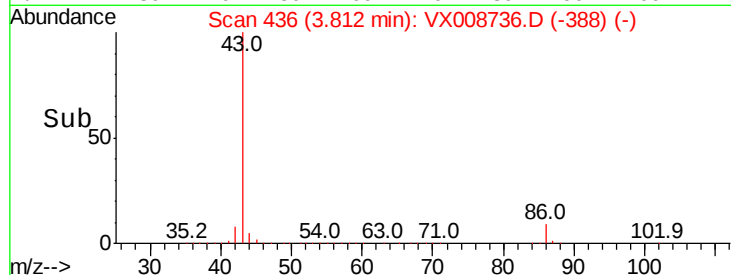
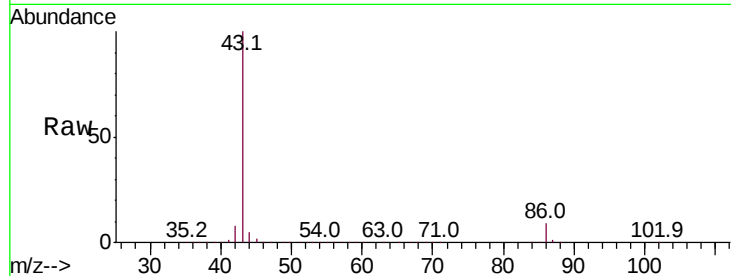
86 8.6 7.0 10.6

Manual Integrations

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MMDadoda

4/9/2019 1:48:49 PM



#24

1,1-Dichloroethane

Concen: 48.072 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

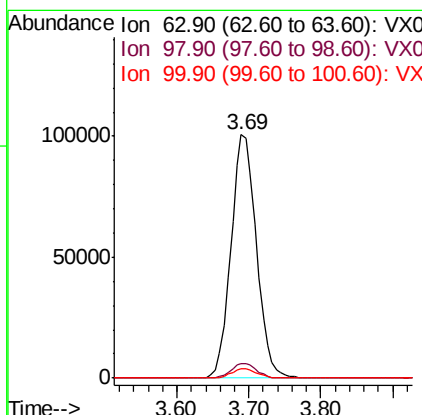
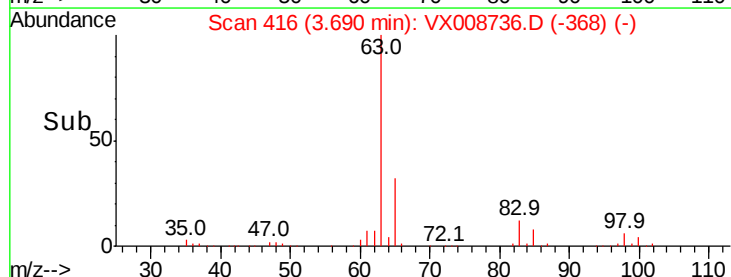
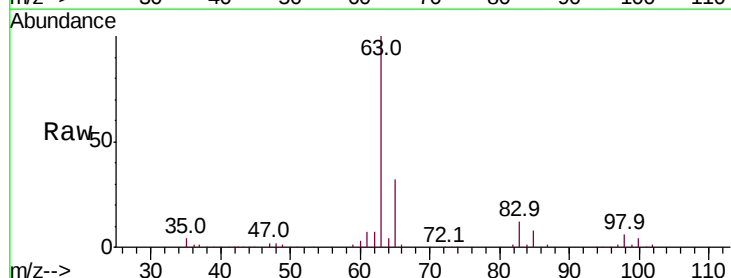
Tgt Ion: 63 Resp: 246948

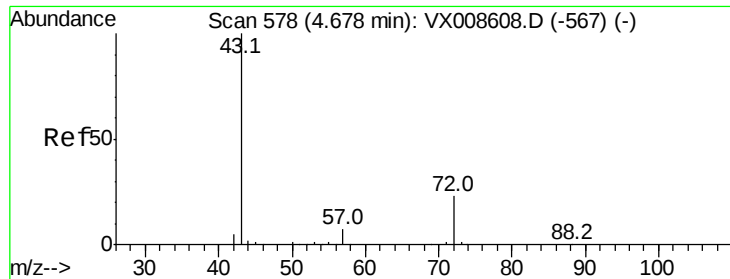
Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.4

100 4.1 1.8 5.5





#25

2-Butanone

Concen: 246.067 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 664565

Ion Ratio Lower Upper

43 100

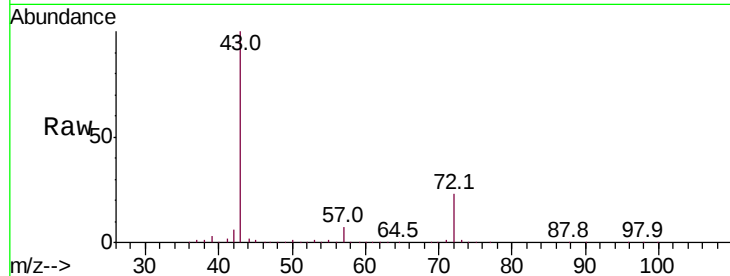
72 22.9 18.2 27.4

Manual Integrations

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MMDadoda

4/9/2019 1:48:49 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

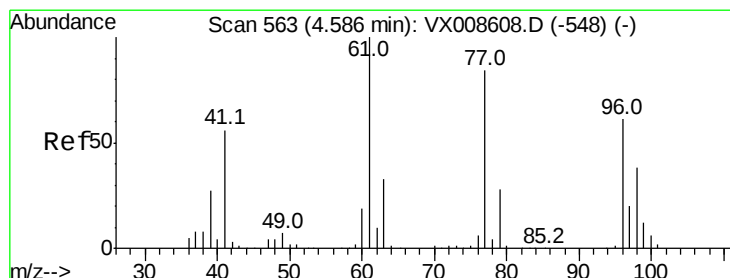
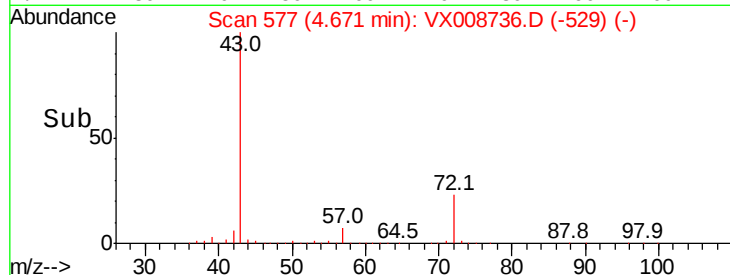
100000

50000

0

4.60 4.65 4.70 4.75 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 52.210 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008736.D

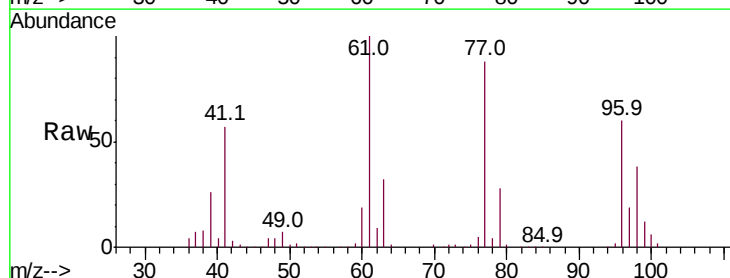
Acq: 08 Apr 2019 10:27

Tgt Ion: 77 Resp: 188904

Ion Ratio Lower Upper

77 100

97 22.7 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

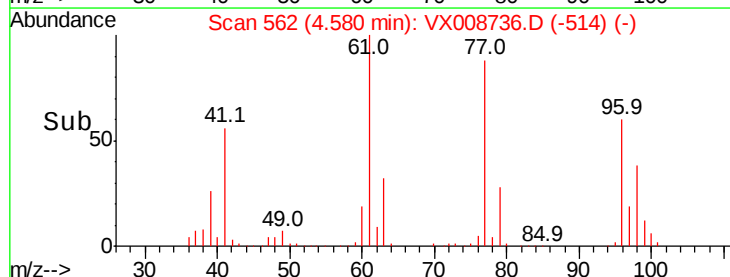
40000

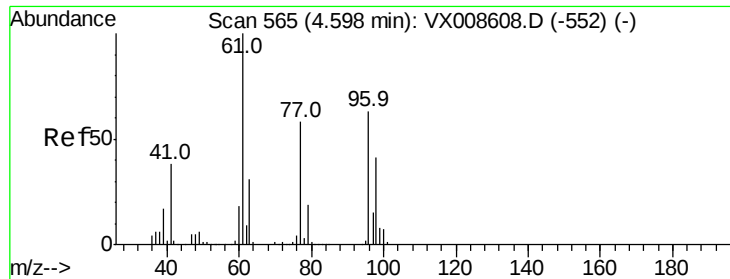
20000

0

4.40 4.50 4.60 4.70

Time-->





#27

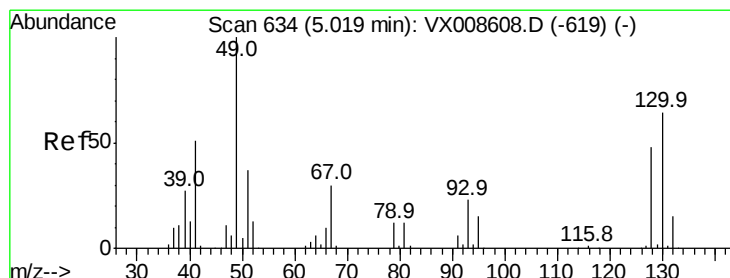
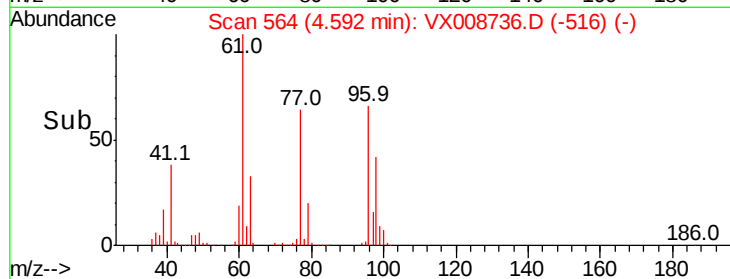
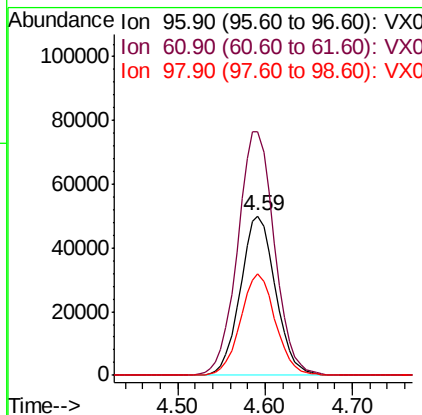
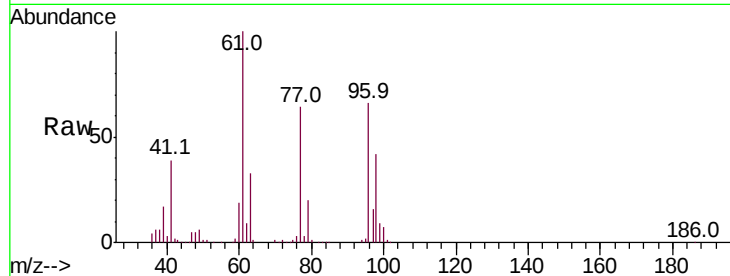
cis-1,2-Dichloroethene
 Concen: 47.548 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX008736.D
 Acq: 08 Apr 2019 10:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.2	0.0	327.6
98	63.6	0.0	128.6

Manual Integrations
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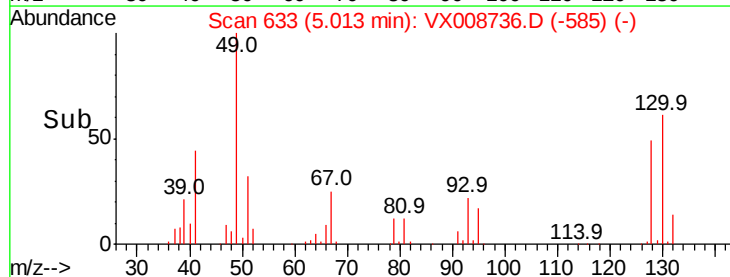
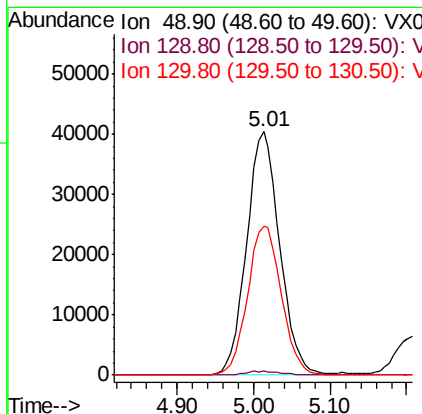
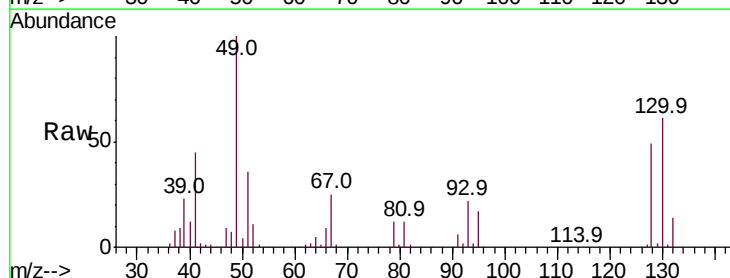
MMDadoda
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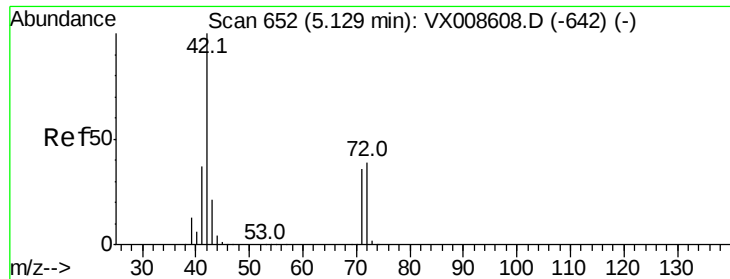


#28

Bromochloromethane
 Concen: 57.350 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX008736.D
 Acq: 08 Apr 2019 10:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	62.3	49.3	73.9





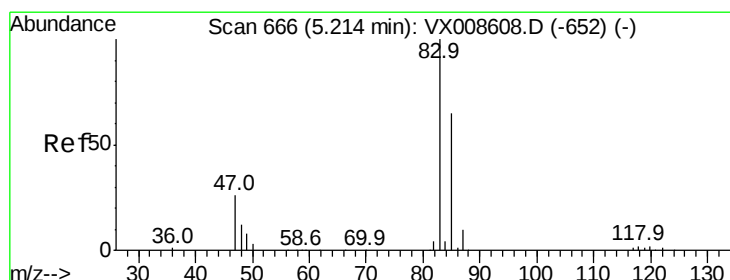
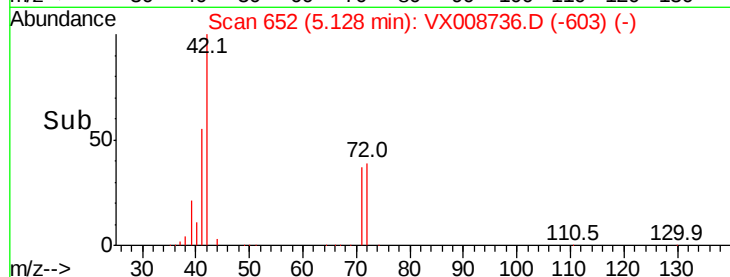
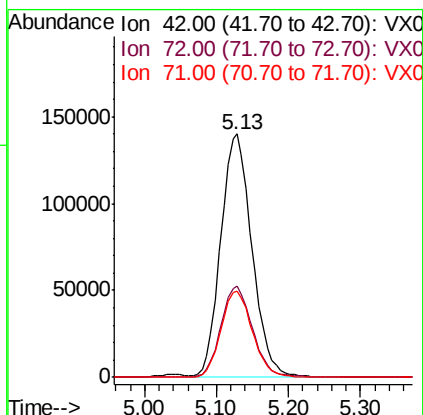
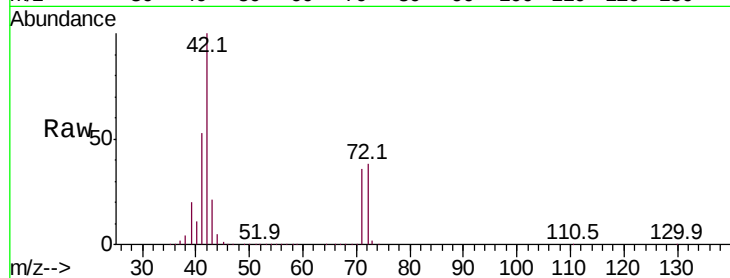
#29
Tetrahydrofuran
Concen: 234.759 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX008736.D
Acq: 08 Apr 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.2	30.5	45.7
71	36.0	28.6	43.0

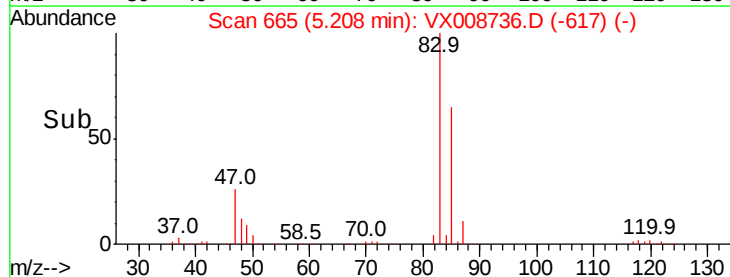
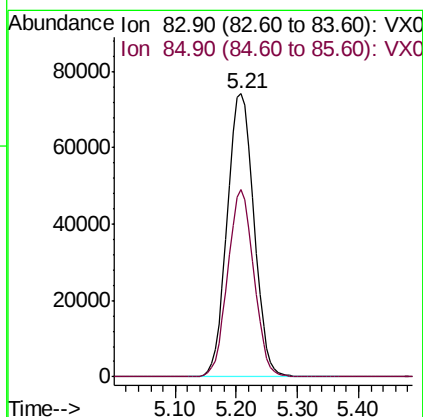
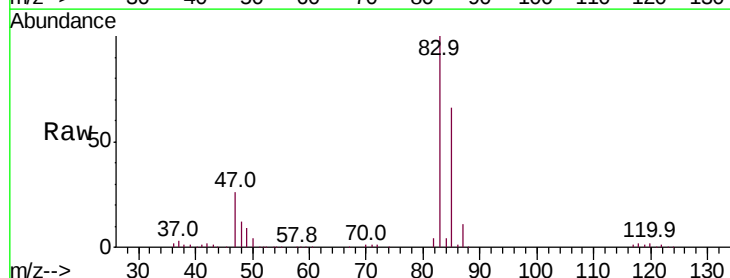
Manual Integrations
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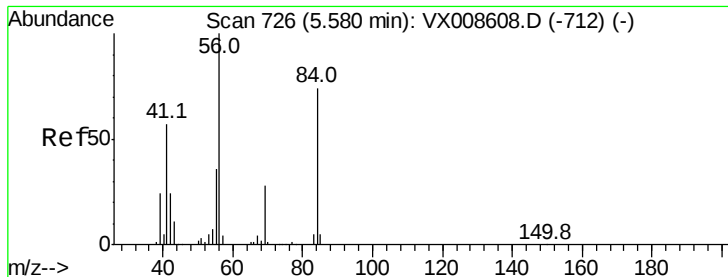
MMDadoda
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#30
Chloroform
Concen: 48.726 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX008736.D
Acq: 08 Apr 2019 10:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.1	78.1





#31

Cyclohexane

Concen: 47.831 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

Instrument :

MSVOA_X

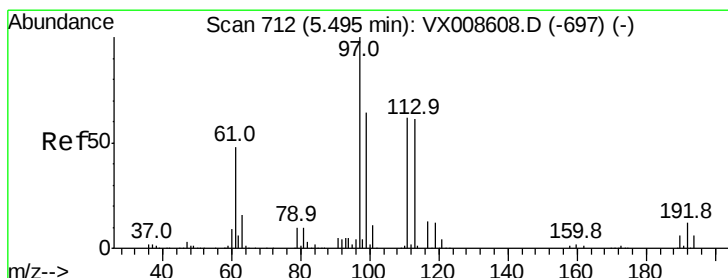
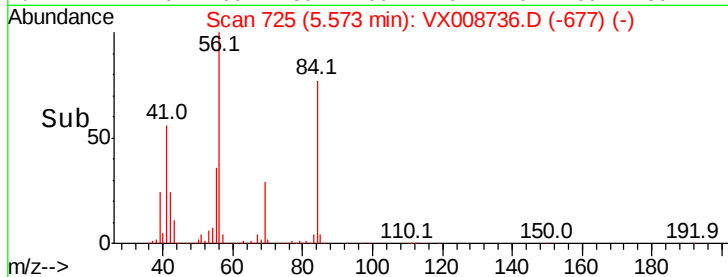
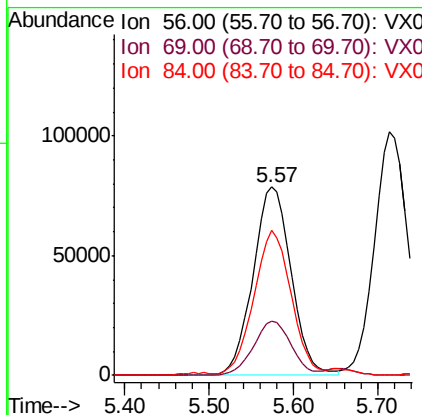
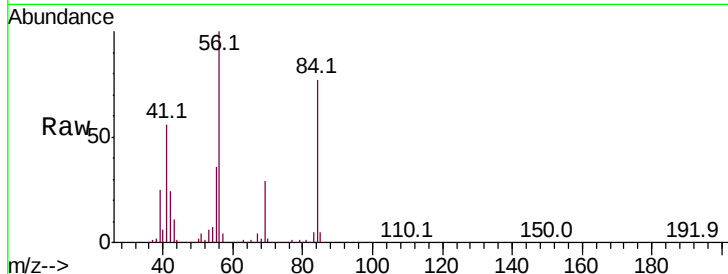
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	245176
Ion	Ratio	Lower	Upper
56	100		
69	28.9	22.6	33.8
84	75.8	59.3	88.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.141 ug/l

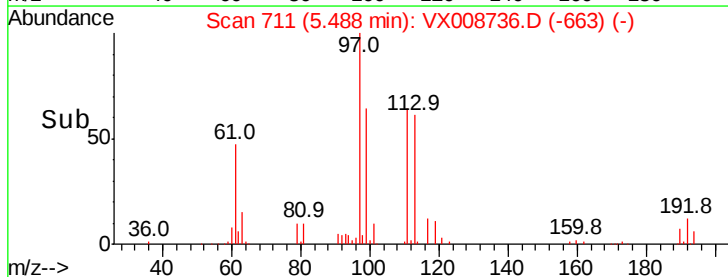
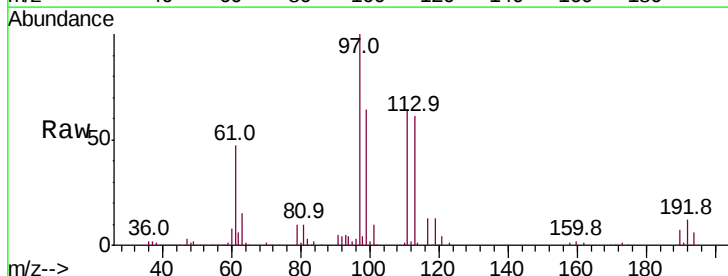
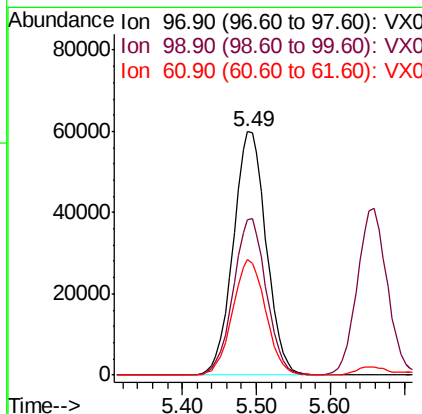
RT: 5.49 min Scan# 711

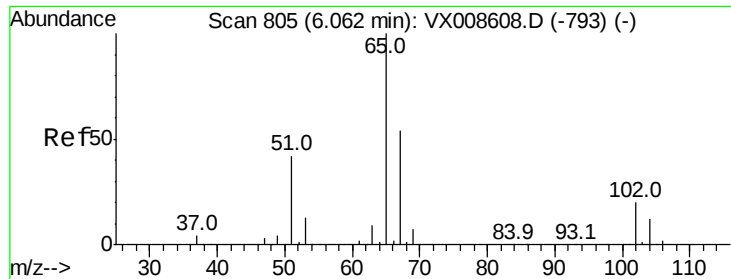
Delta R.T. -0.01 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

Tgt Ion:	97	Resp:	185910
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.3	76.9
61	47.9	38.9	58.3





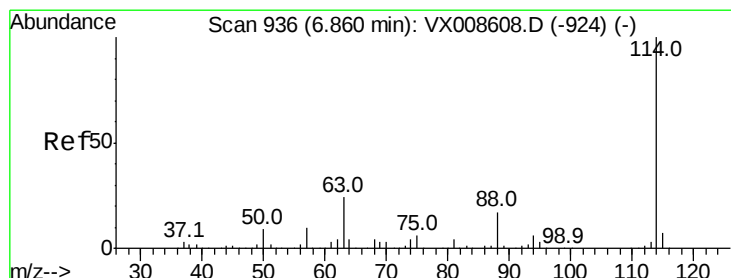
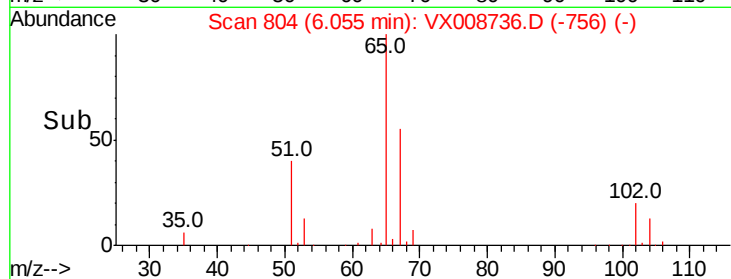
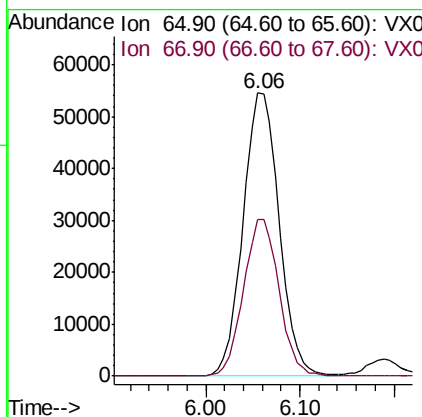
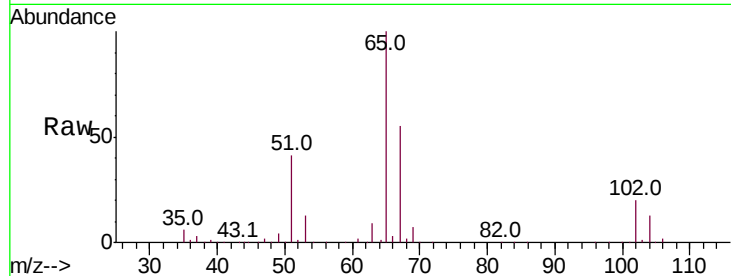
#33
 1,2-Dichloroethane-d4
 Concen: 49.177 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX008736.D
 Acq: 08 Apr 2019 10:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	107.2

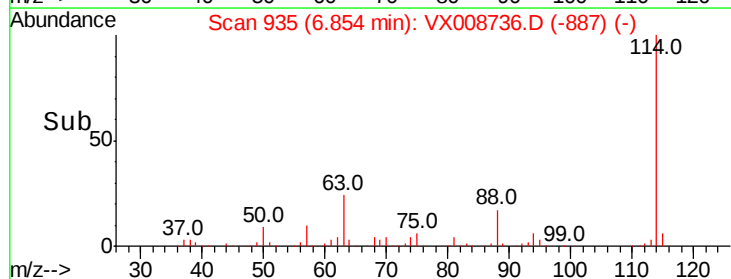
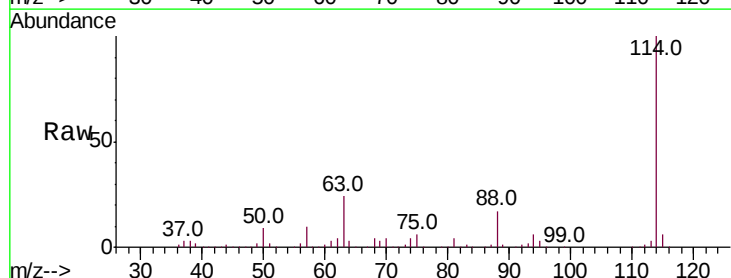
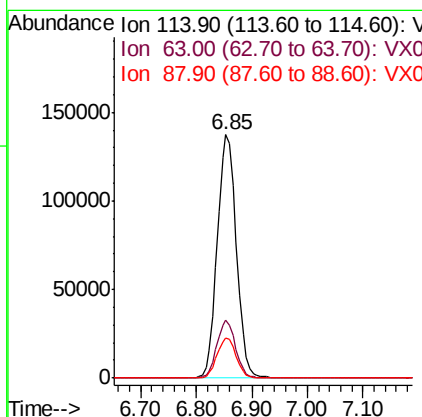
Manual Integrations
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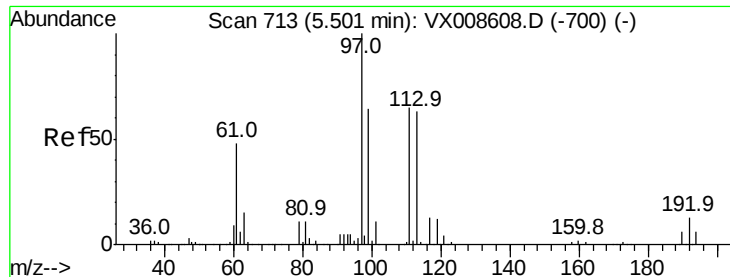
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX008736.D
 Acq: 08 Apr 2019 10:27

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	47.2
88	16.5	0.0	34.0





#35

Dibromofluoromethane

Concen: 52.102 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

Instrument :

MSVOA_X

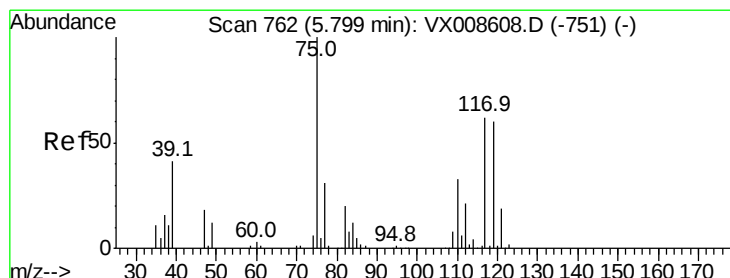
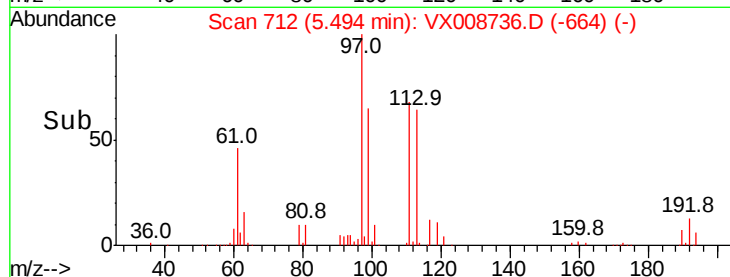
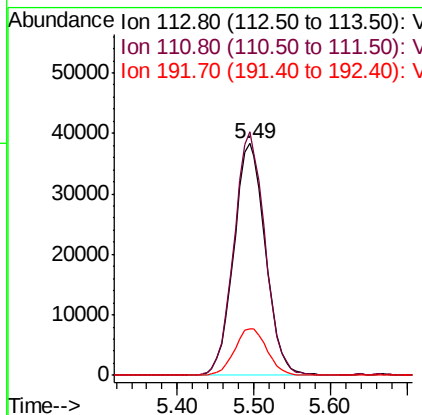
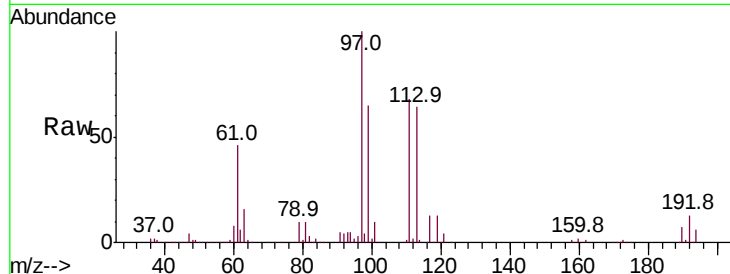
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	109250
Ion Ratio	Lower	Upper	
113	100		
111	103.5	83.4	125.2
192	20.7	16.1	24.1

Manual Integrations
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4/9/2019 1:48:49 PM



#36

1,1-Dichloropropene

Concen: 49.577 ug/l

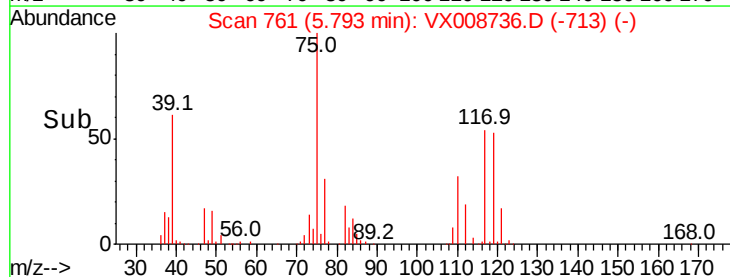
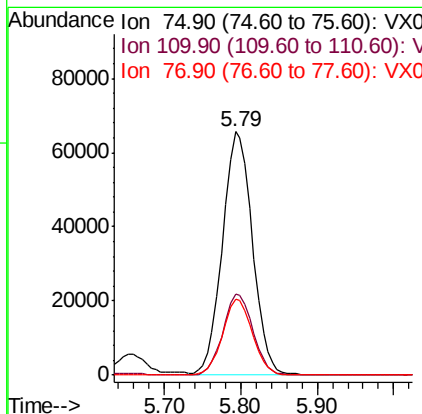
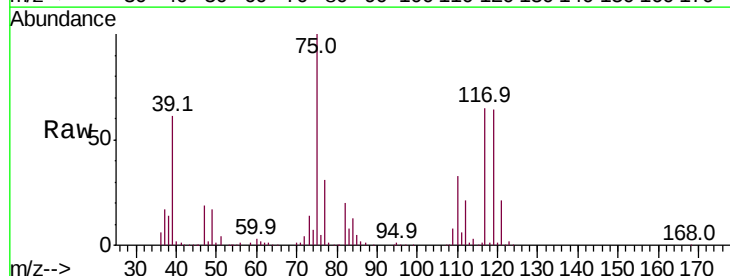
RT: 5.79 min Scan# 761

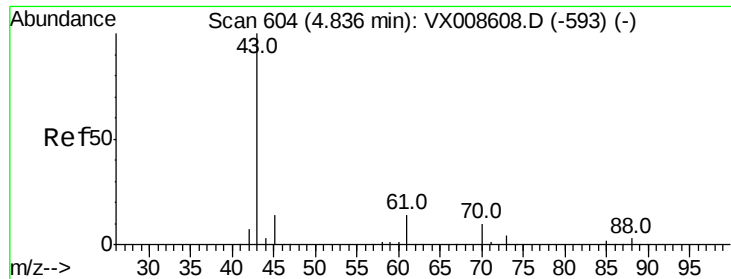
Delta R.T. -0.01 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

Tgt Ion:	75	Resp:	177733
Ion Ratio	Lower	Upper	
75	100		
110	33.4	16.4	49.2
77	31.2	24.7	37.1





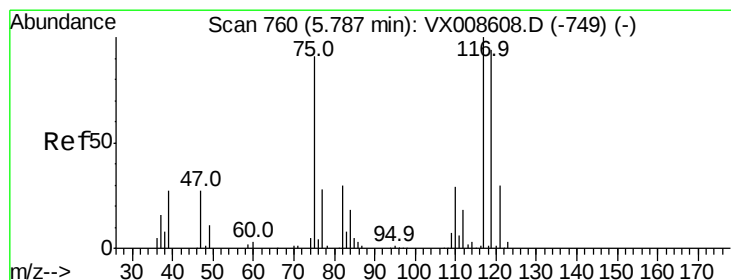
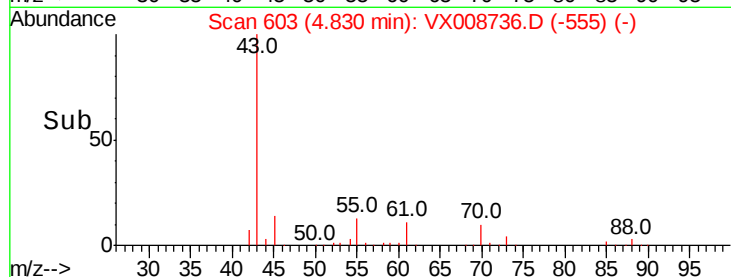
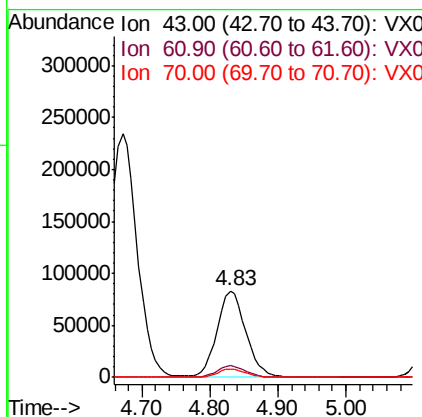
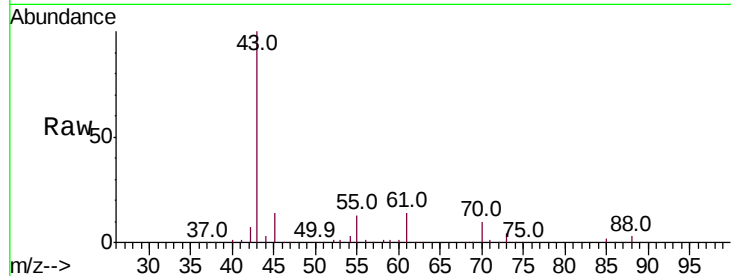
#37
Ethyl Acetate
Concen: 50.972 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX008736.D
Acq: 08 Apr 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.3	15.5
70	9.5	7.6	11.4

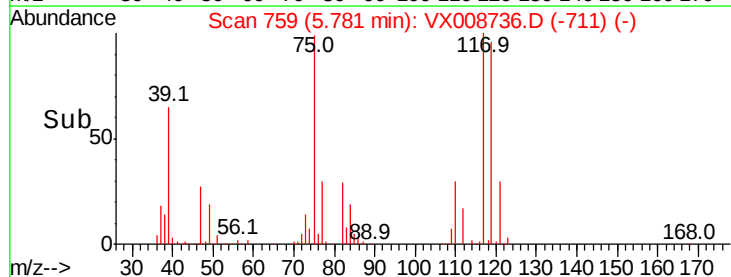
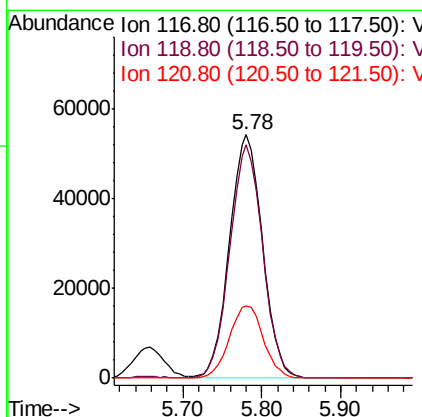
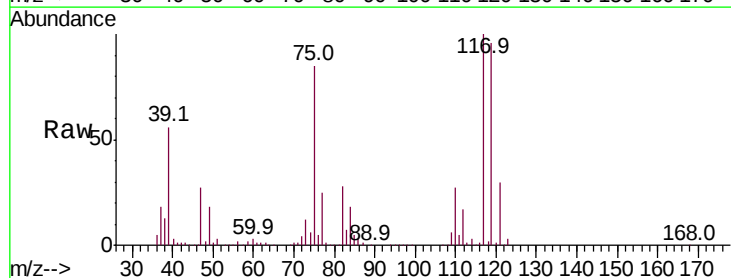
Manual Integrations
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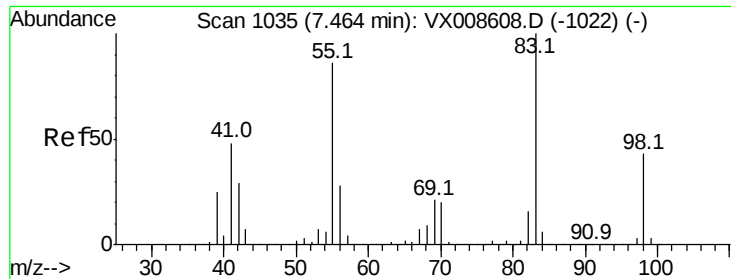
MMDadoda
4/9/2019 1:48:49 PM



#38
Carbon Tetrachloride
Concen: 53.322 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008736.D
Acq: 08 Apr 2019 10:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.0	112.6
121	29.8	24.3	36.5





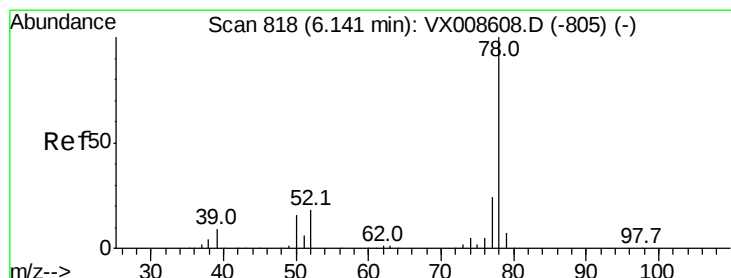
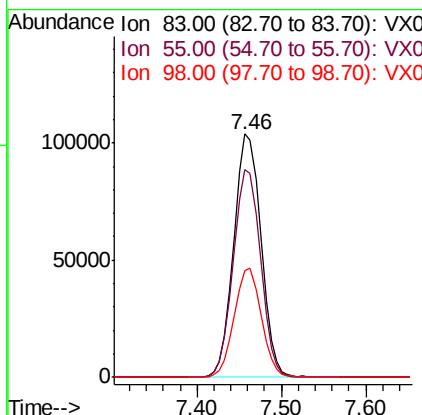
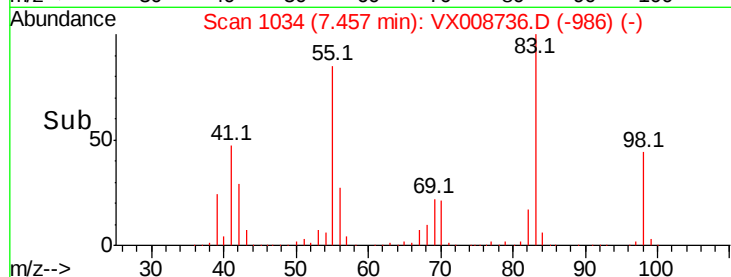
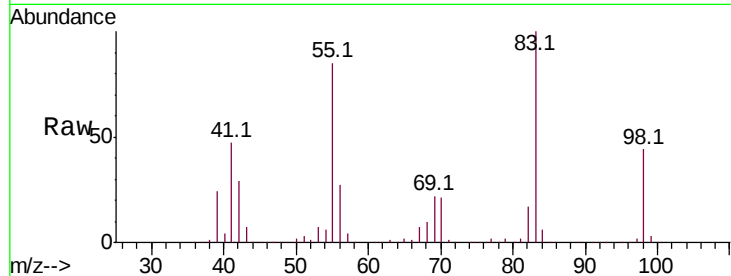
#39
Methvlcvclohexane
Concen: 51.292 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX008736.D
Acq: 08 Apr 2019 10:27

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.5	69.0	103.6
98	43.8	34.4	51.6

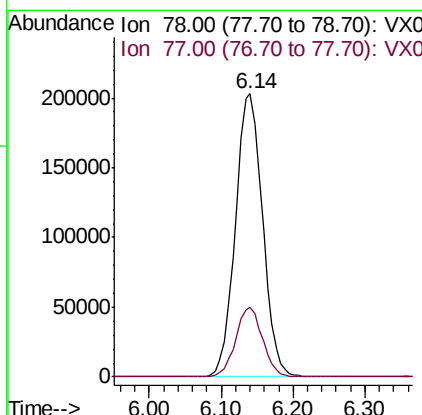
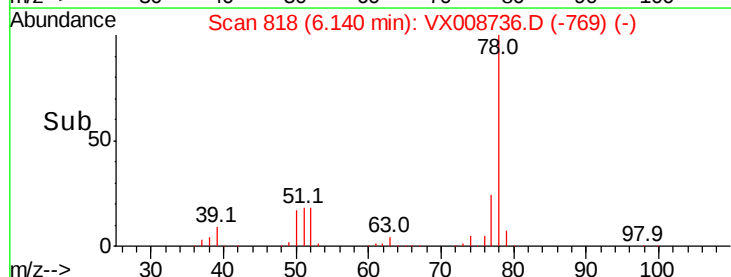
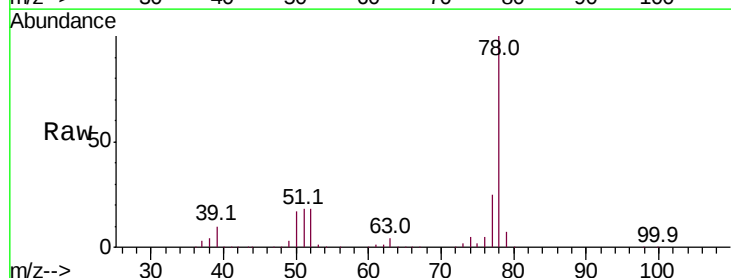
Manual Integrations
APPROVED

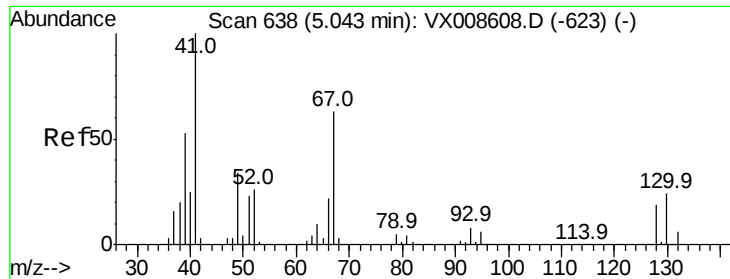
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#40
Benzene
Concen: 49.899 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008736.D
Acq: 08 Apr 2019 10:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.1	28.7





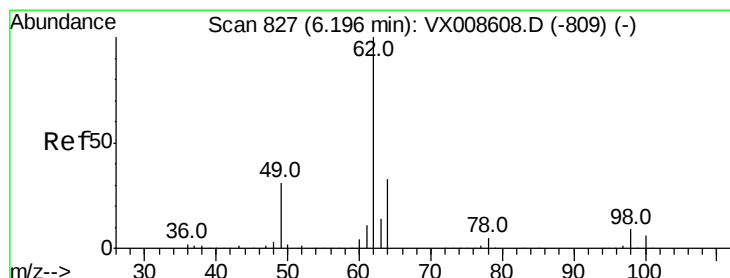
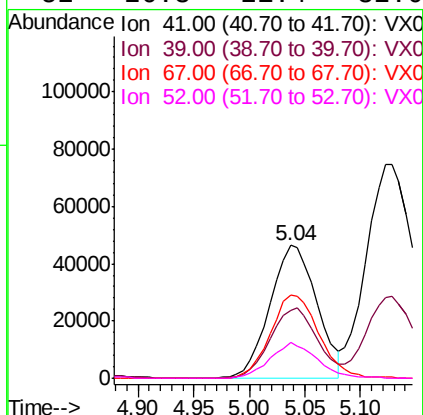
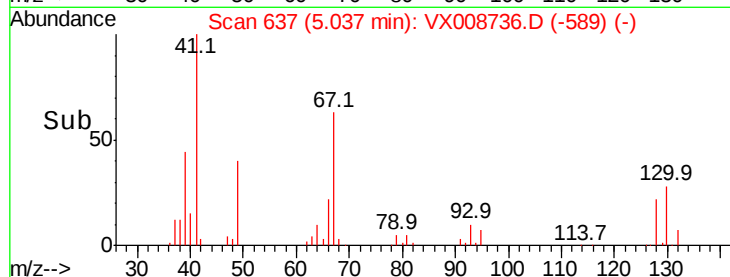
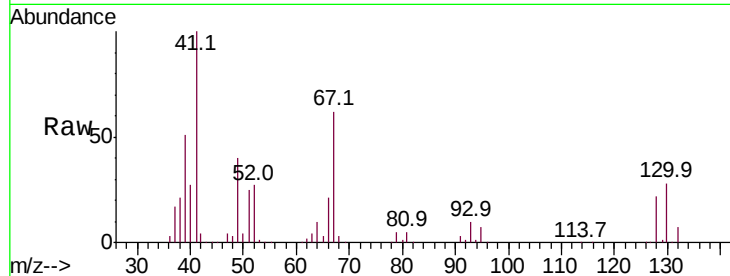
#41
Methacrylonitrile
Concen: 49.482 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX008736.D
Acq: 08 Apr 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.6	42.1	63.1
67	64.5	51.0	76.6
52	26.3	21.4	32.0

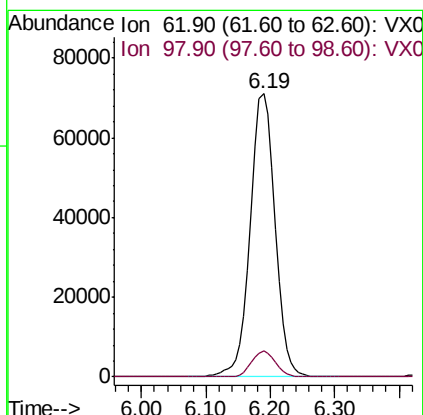
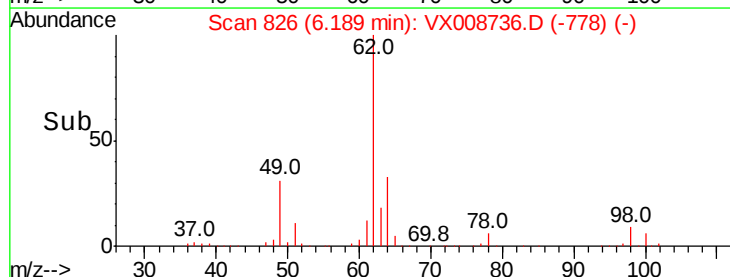
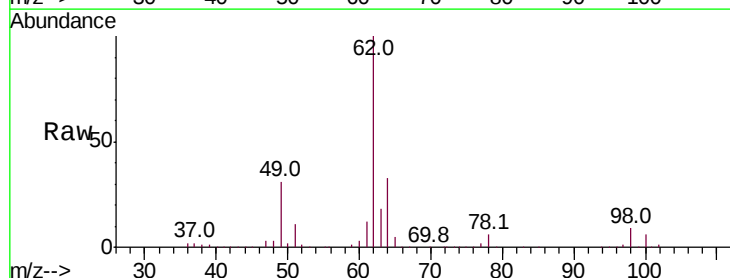
Manual Integrations
APPROVED

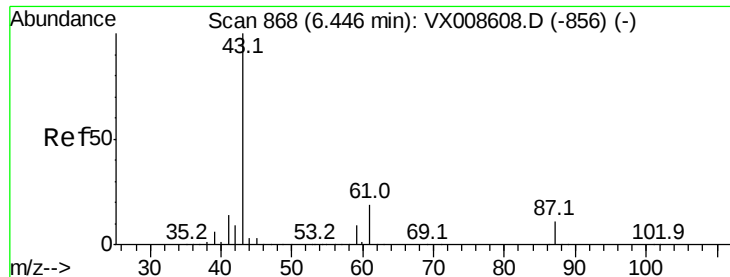
MMDadoda
4/9/2019 1:48:49 PM



#42
1,2-Dichloroethane
Concen: 49.118 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX008736.D
Acq: 08 Apr 2019 10:27

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.0





#43

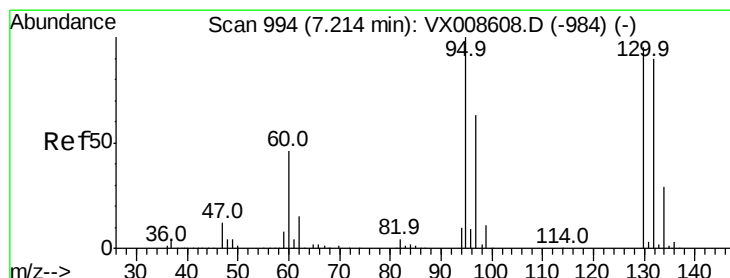
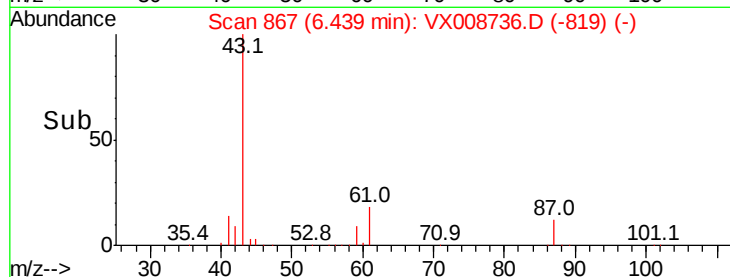
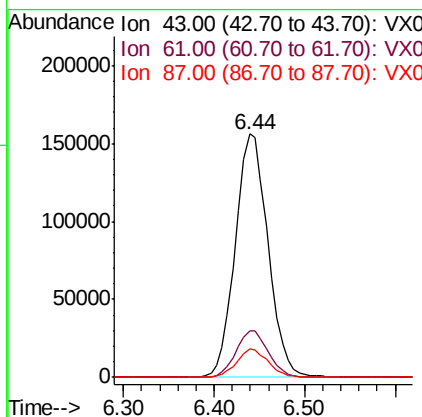
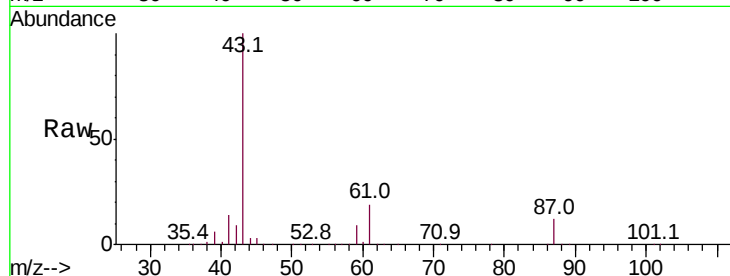
Isopropyl Acetate
 Concen: 52.029 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX008736.D
 Acq: 08 Apr 2019 10:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	43	Resp	390005
Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.3	22.9
87	11.3	9.0	13.6

Manual Integrations
 APPROVED

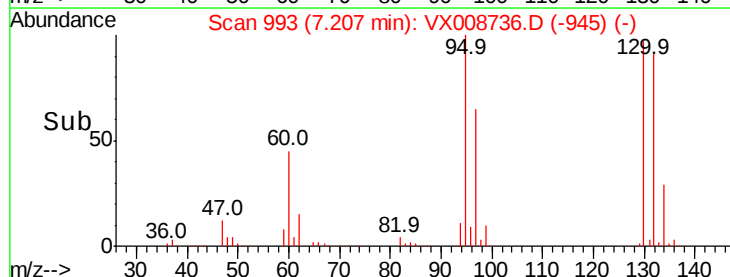
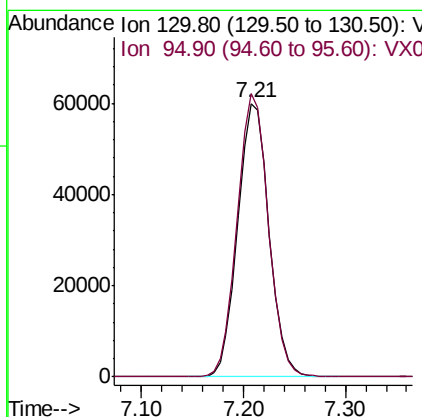
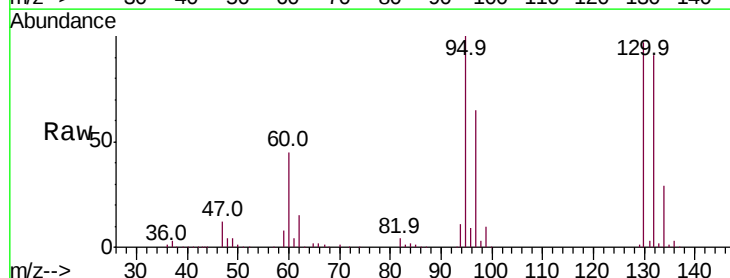
MMDadoda
 4/9/2019 1:48:49 PM

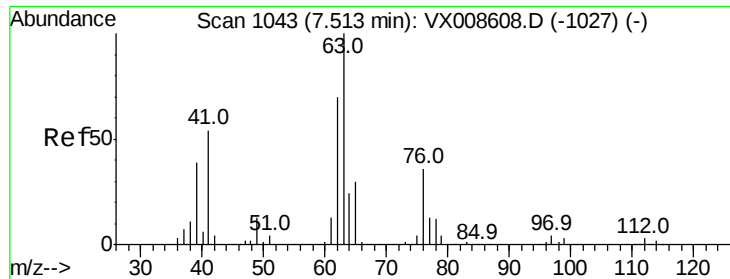


#44

Trichloroethene
 Concen: 51.403 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX008736.D
 Acq: 08 Apr 2019 10:27

Tgt Ion	130	Resp	127862
Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	209.8





#45

1,2-Dichloropropane

Concen: 50.055 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 152585

Ion Ratio Lower Upper

63 100

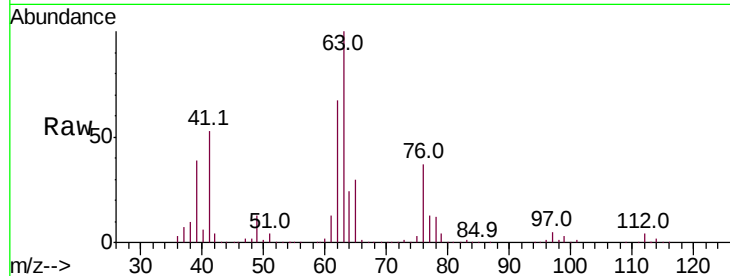
65 30.3 24.2 36.4

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

7.51

80000

60000

40000

20000

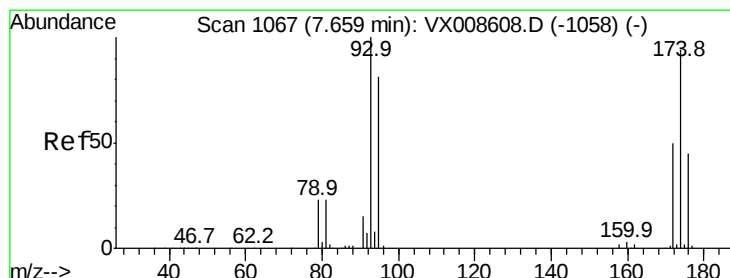
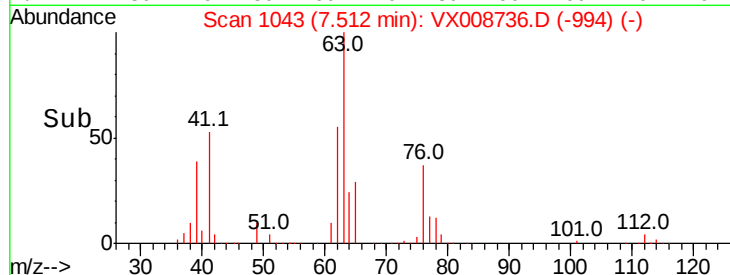
0

Time-->

7.40

7.50

7.60



#46

Dibromomethane

Concen: 49.081 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

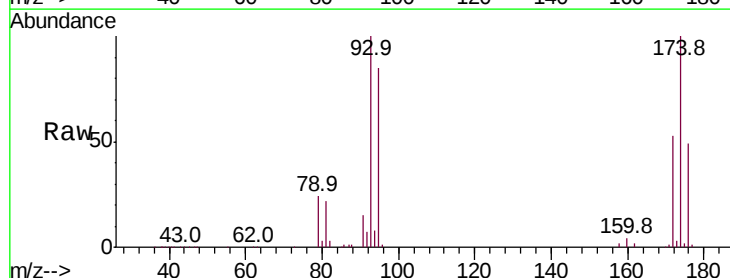
Tgt Ion: 93 Resp: 86775

Ion Ratio Lower Upper

93 100

95 83.3 66.6 99.8

174 98.6 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

60000

50000

40000

30000

20000

10000

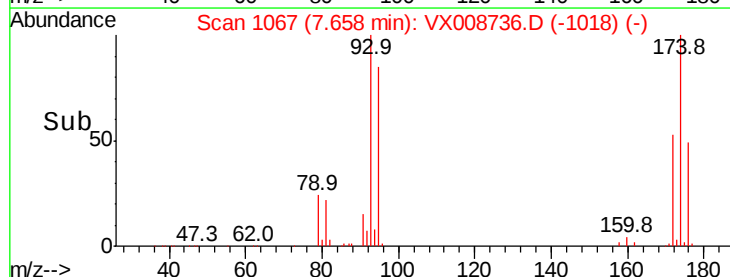
0

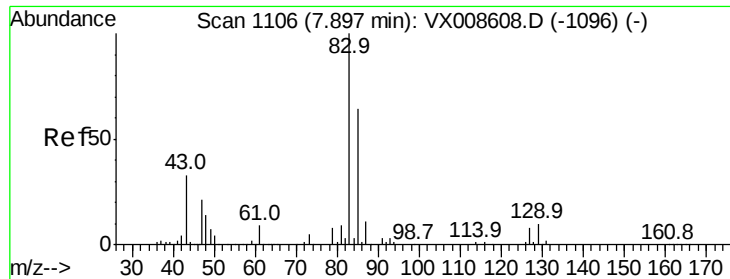
Time-->

7.60

7.70

7.80





#47

Bromodichloromethane

Concen: 53.056 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

Instrument :

MSVOA_X

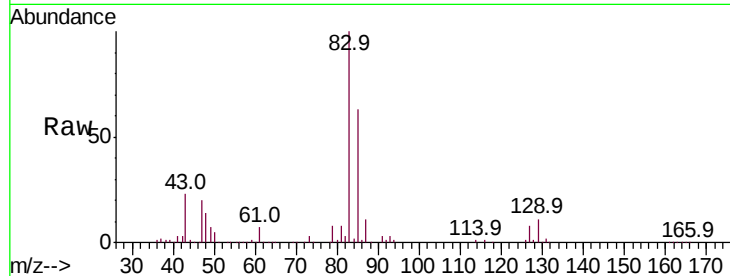
ClientSampleId :

VSTDCCC050

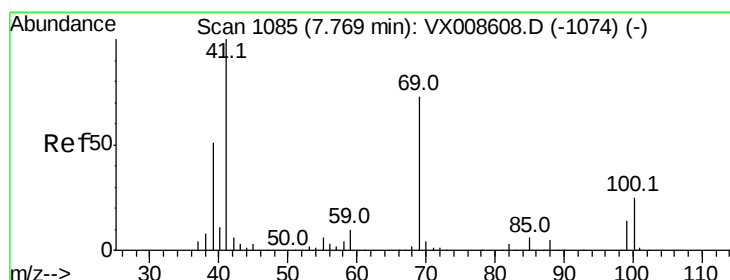
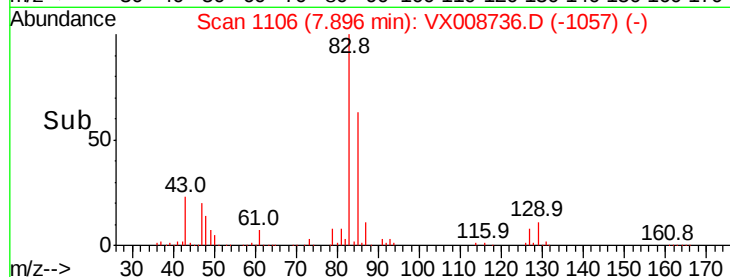
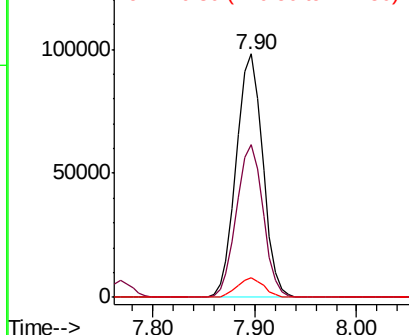
Tot Ion:	83	Resp:	176864
Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.2	76.8
127	8.0	6.6	10.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 51.769 ug/l

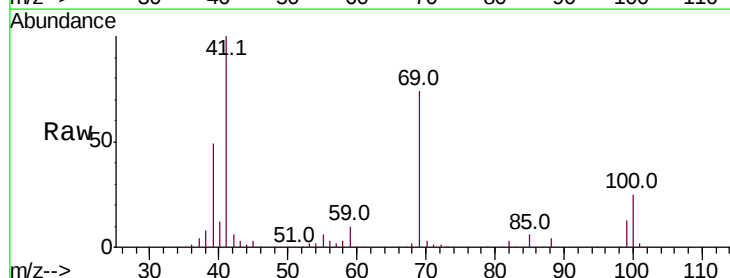
RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

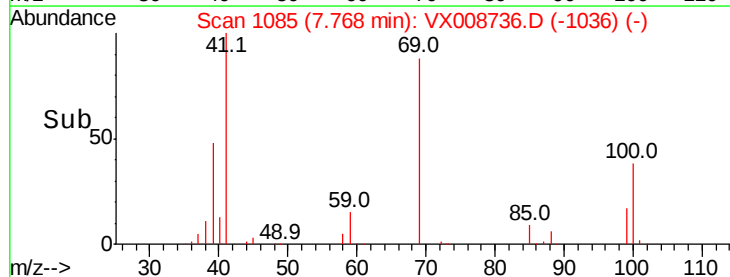
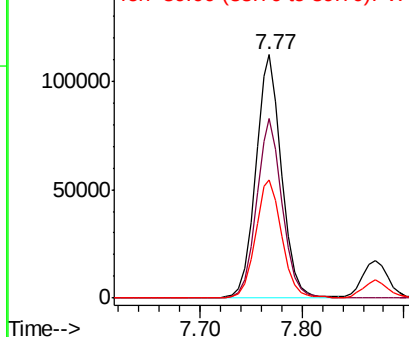
Lab File: VX008736.D

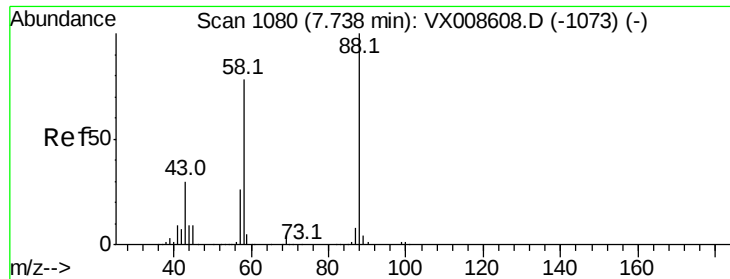
Acq: 08 Apr 2019 10:27

Tgt Ion:	41	Resp:	196298
Ion	Ratio	Lower	Upper
41	100		
69	73.7	59.0	88.4
39	49.6	41.0	61.4



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





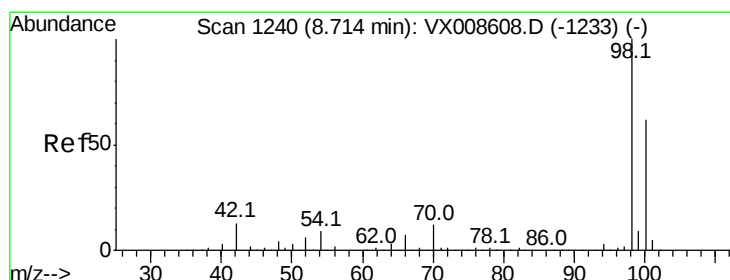
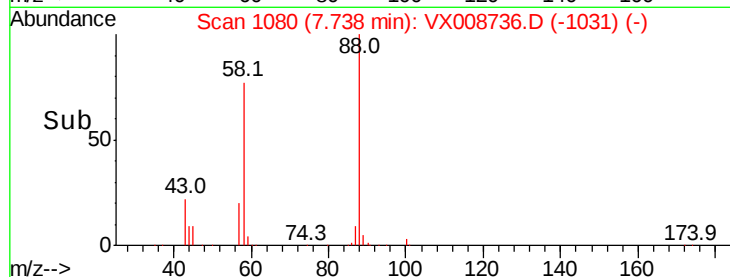
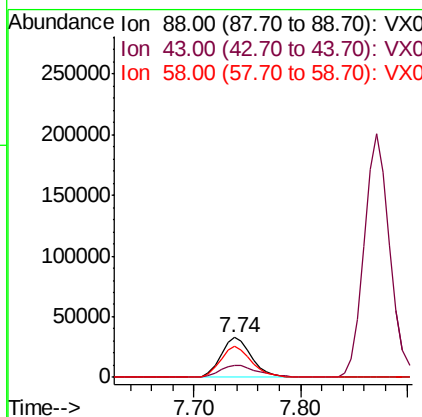
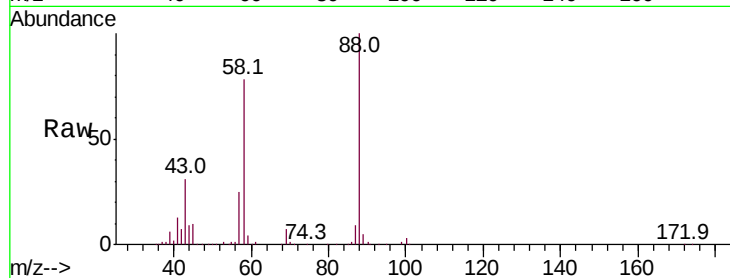
#49
1,4-Dioxane
Concen: 930.470 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX008736.D
Acq: 08 Apr 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.0	28.6	43.0
58	78.6	62.2	93.2

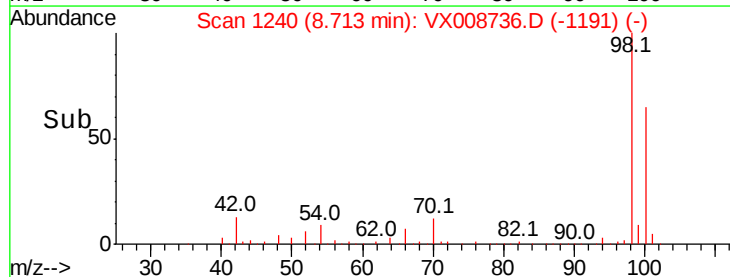
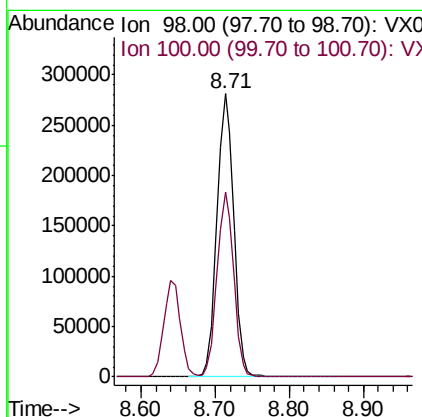
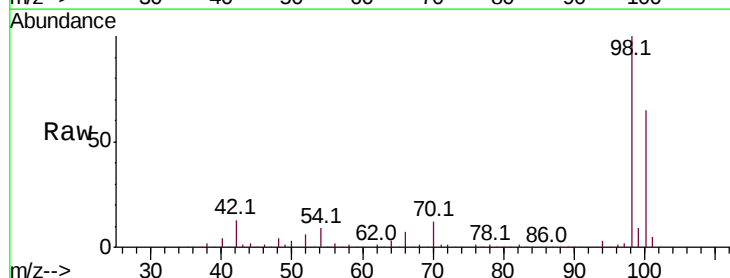
Manual Integrations
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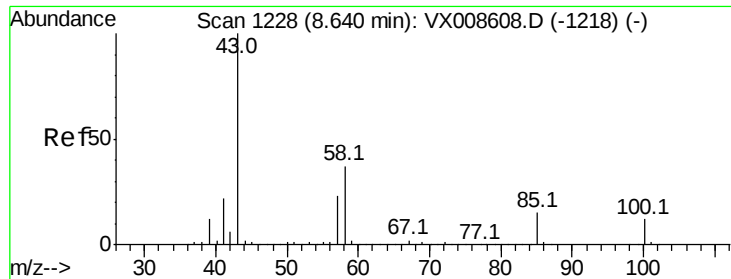
MMDadoda
4/9/2019 1:48:49 PM



#50
Toluene-d8
Concen: 52.229 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008736.D
Acq: 08 Apr 2019 10:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 254.223 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1226734

Ion Ratio Lower Upper

43 100

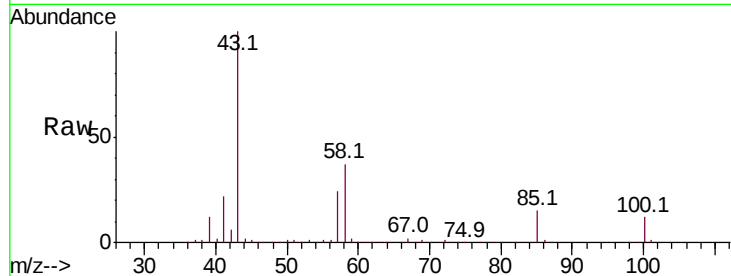
58 37.1 29.5 44.3

Manual Integrations

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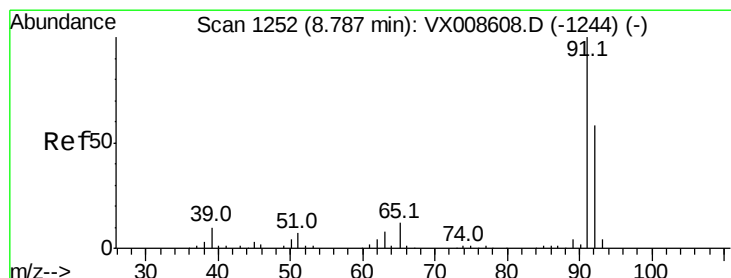
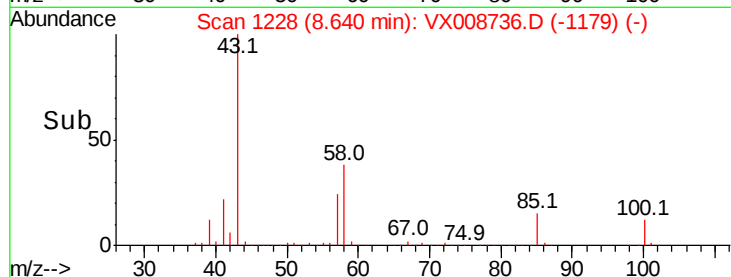
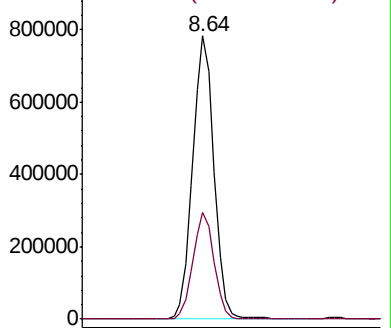
MMDadoda

4/9/2019 1:48:49 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 51.214 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008736.D

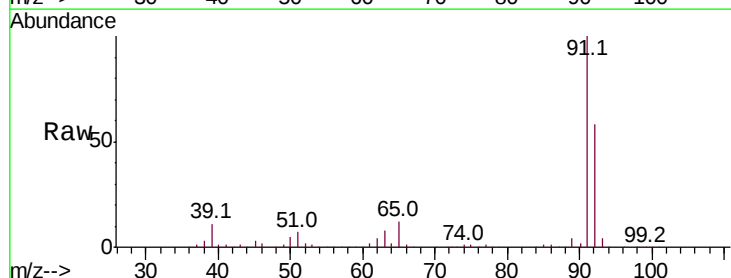
Acq: 08 Apr 2019 10:27

Tgt Ion: 92 Resp: 322466

Ion Ratio Lower Upper

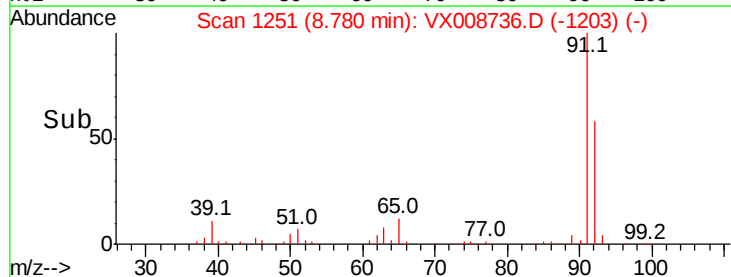
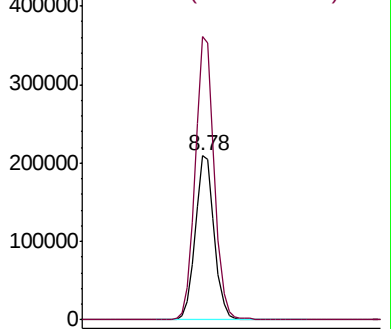
92 100

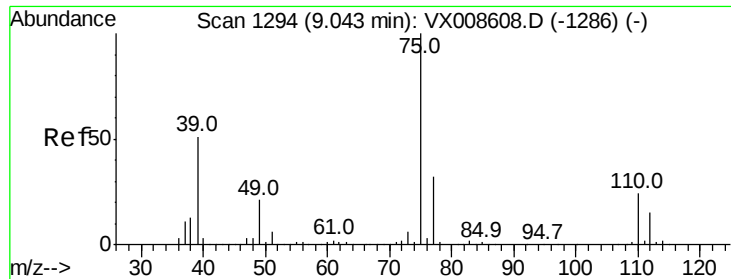
91 173.3 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





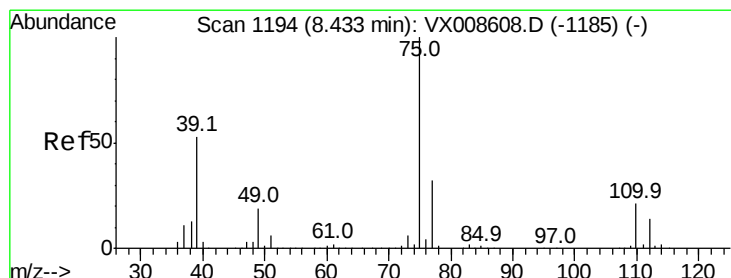
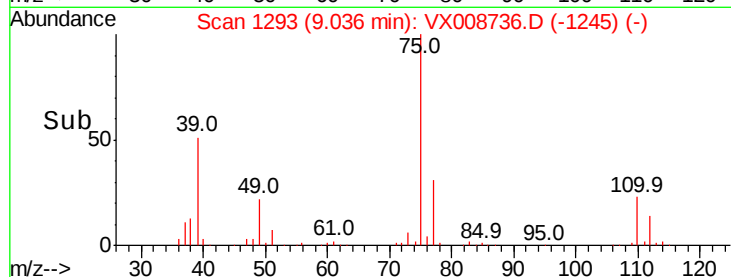
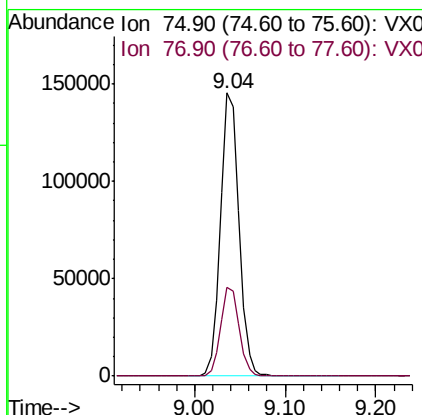
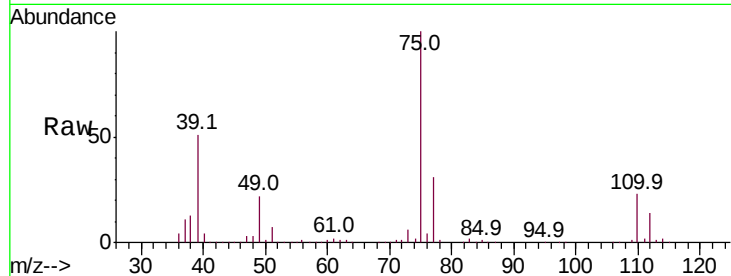
#53
t-1,3-Dichloropropene
Concen: 55.706 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX008736.D
Acq: 08 Apr 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 208014
Ion Ratio Lower Upper
75 100
77 31.3 25.2 37.8

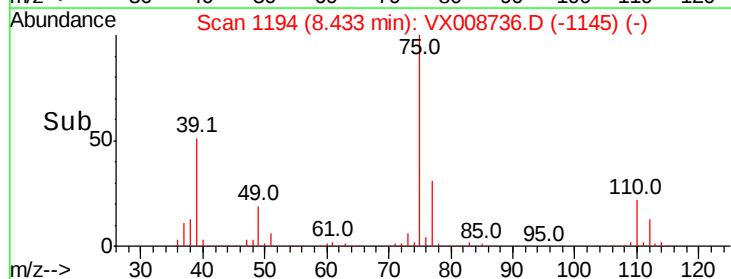
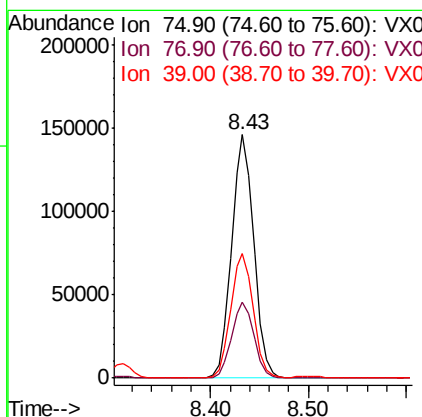
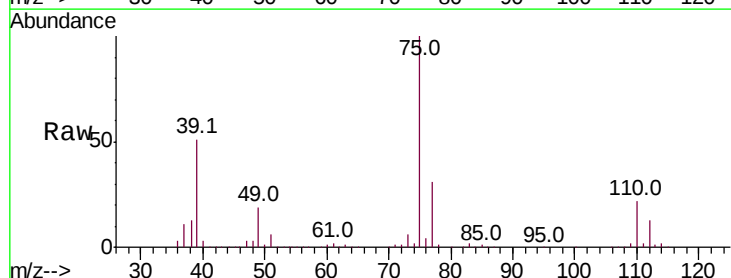
Manual Integrations
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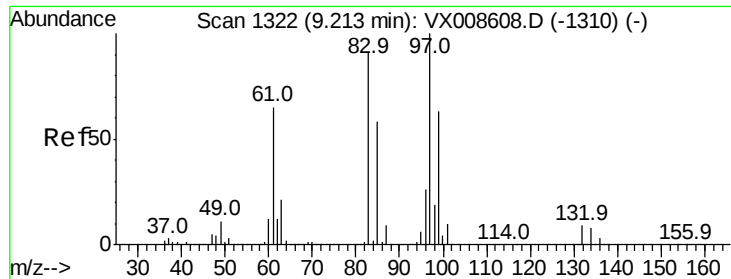
MMDadoda
4/9/2019 1:48:49 PM



#54
cis-1,3-Dichloropropene
Concen: 53.698 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX008736.D
Acq: 08 Apr 2019 10:27

Tgt Ion: 75 Resp: 229116
Ion Ratio Lower Upper
75 100
77 31.2 25.3 37.9
39 51.4 42.6 63.8





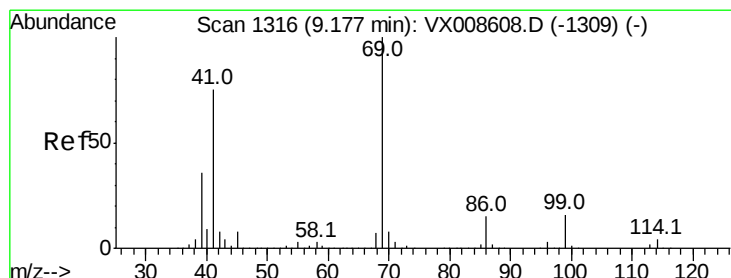
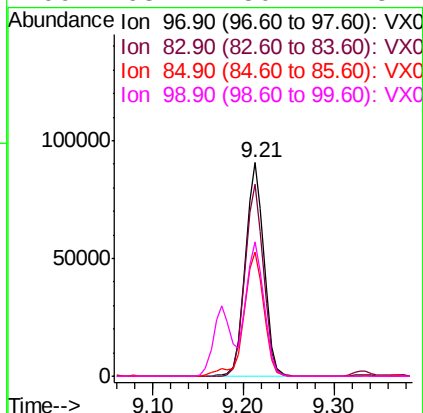
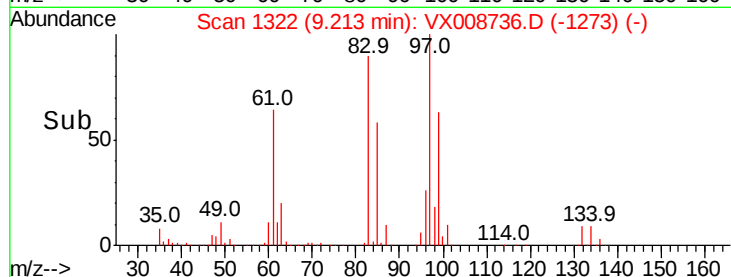
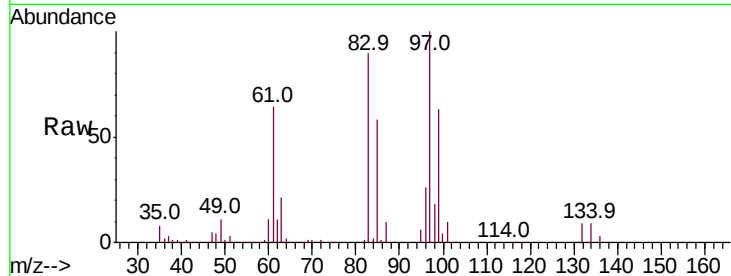
#55
 1,1,2-Trichloroethane
 Concen: 51.074 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008736.D
 Acq: 08 Apr 2019 10:27

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.6	73.2	109.8
85	58.3	46.6	69.8
99	63.1	50.1	75.1

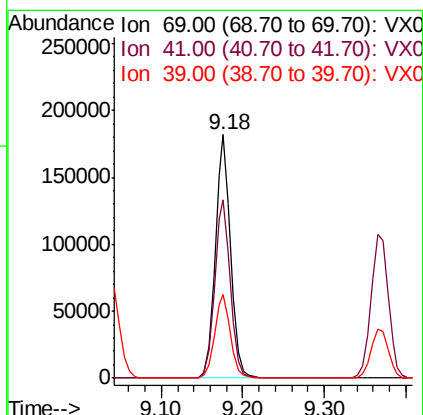
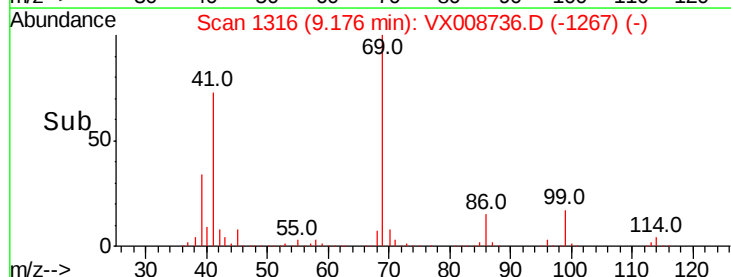
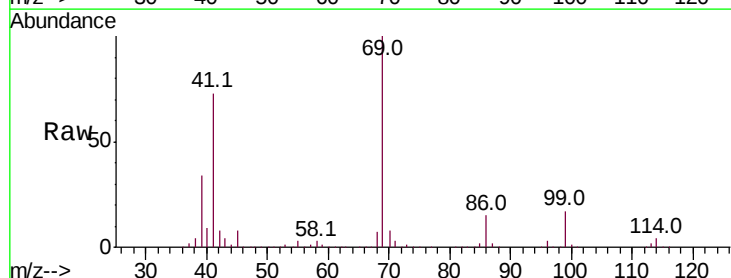
Manual Integrations
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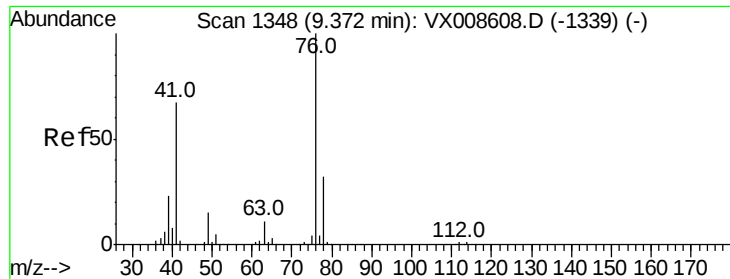
MMDadoda
 4/9/2019 1:48:49 PM



#56
 Ethyl methacrylate
 Concen: 52.787 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008736.D
 Acq: 08 Apr 2019 10:27

Tgt Ion	Ratio	Lower	Upper
69	100		
41	75.2	60.1	90.1
39	35.3	28.9	43.3





#57

1,3-Dichloropropane

Concen: 51.012 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

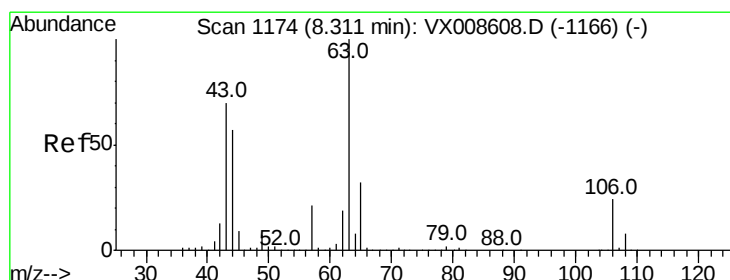
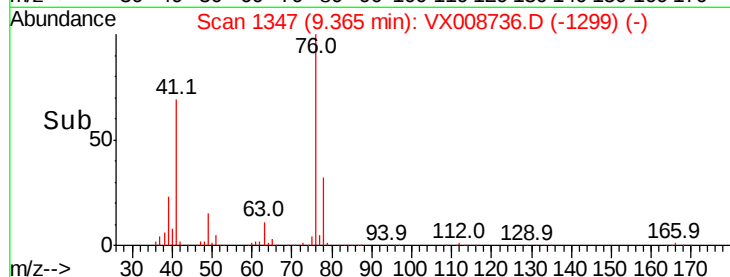
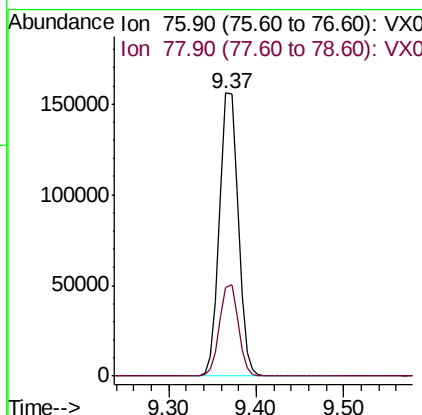
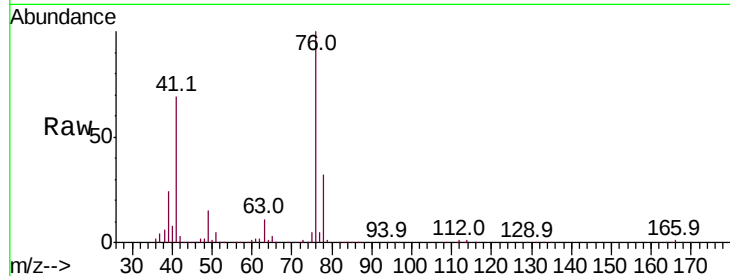
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 231514

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.6	38.4

Manual Integrations
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MMDadoda
4/9/2019 1:48:49 PM



#58

2-Chloroethyl Vinyl ether

Concen: 284.557 ug/l

RT: 8.31 min Scan# 1174

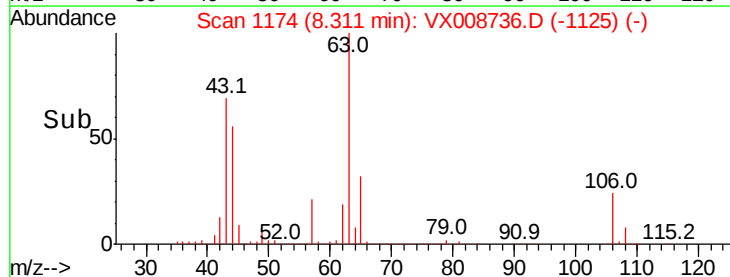
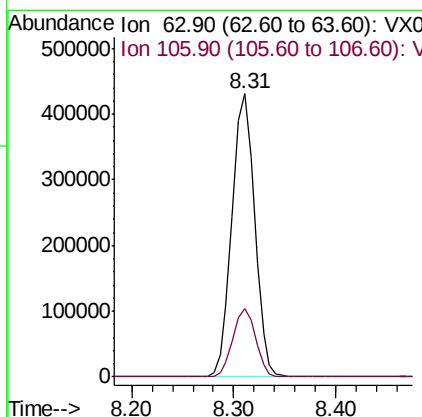
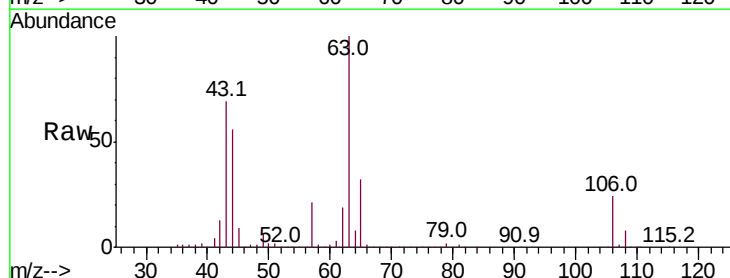
Delta R.T. -0.00 min

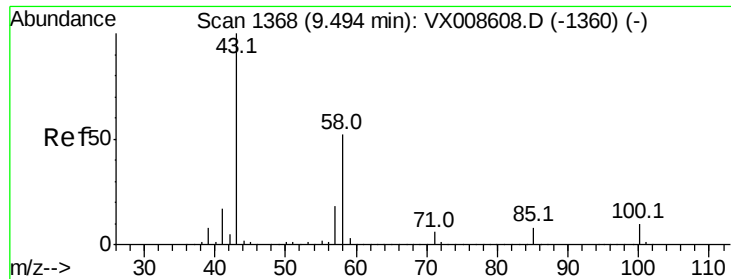
Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

Tgt Ion: 63 Resp: 664447

Ion	Ratio	Lower	Upper
63	100		
106	24.2	19.0	28.6





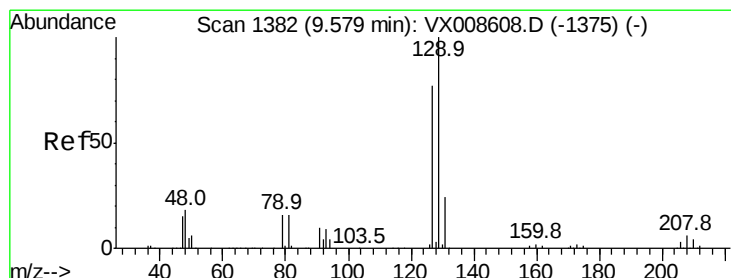
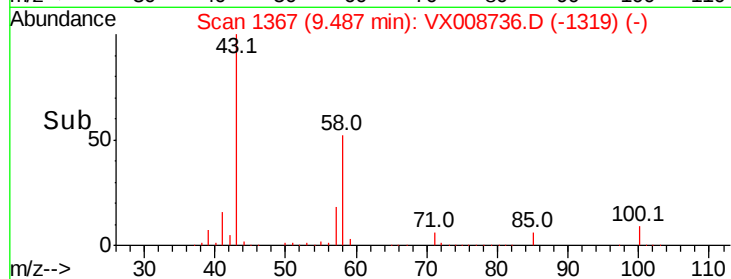
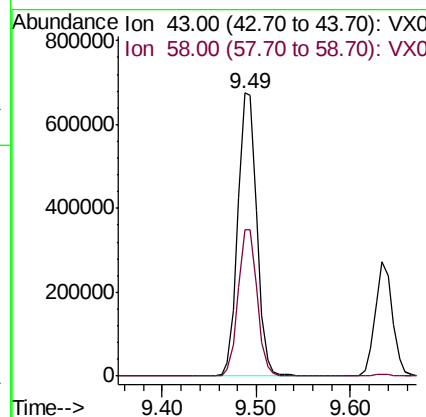
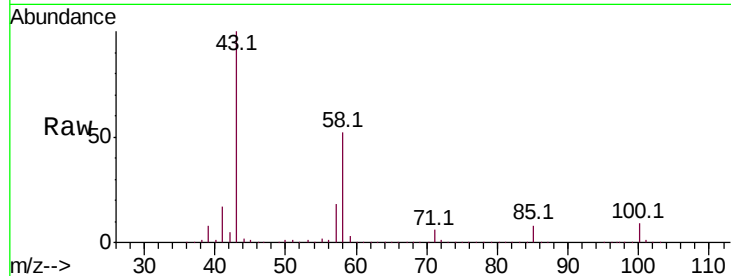
#59
2-Hexanone
Concen: 251.181 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VX008736.D
Acq: 08 Apr 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 941948
Ion Ratio Lower Upper
43 100
58 52.1 25.9 77.7

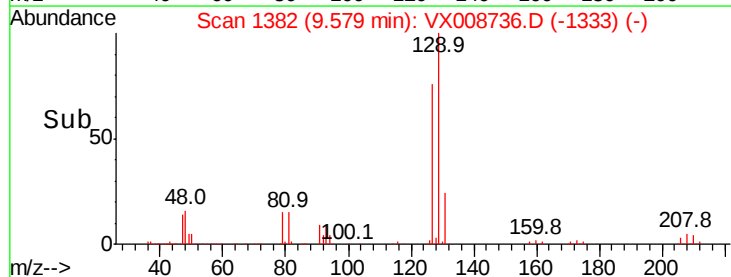
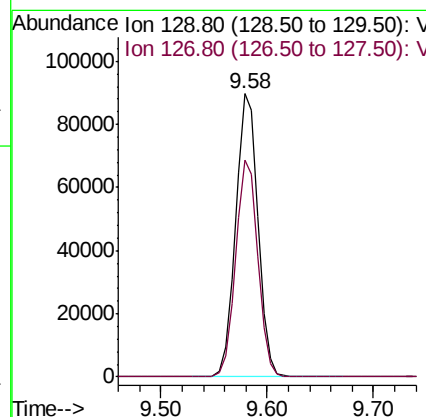
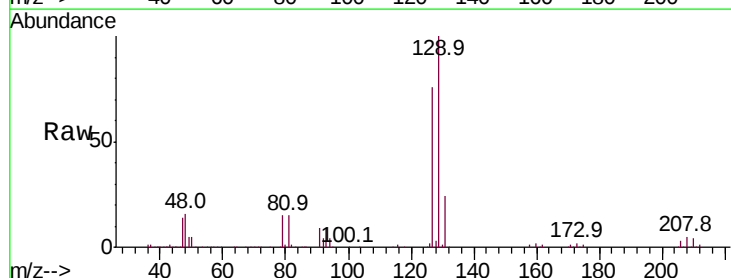
Manual Integrations
APPROVED

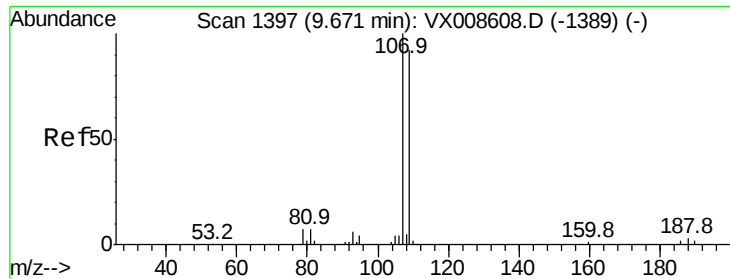
MMDadoda
4/9/2019 1:48:49 PM



#60
Dibromochloromethane
Concen: 55.332 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008736.D
Acq: 08 Apr 2019 10:27

Tgt Ion: 129 Resp: 131780
Ion Ratio Lower Upper
129 100
127 76.5 38.5 115.3





#61

1,2-Dibromoethane

Concen: 50.639 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 133240

Ion Ratio Lower Upper

107 100

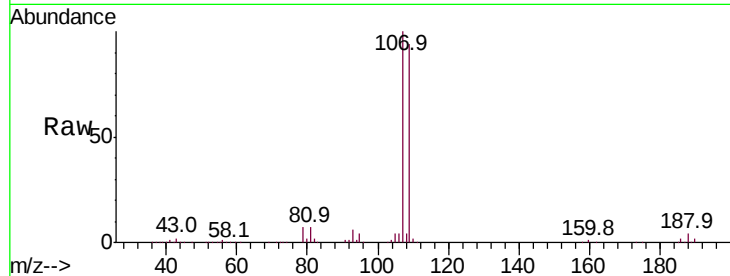
109 94.7 74.1 111.1

Manual Integrations

APPROVED

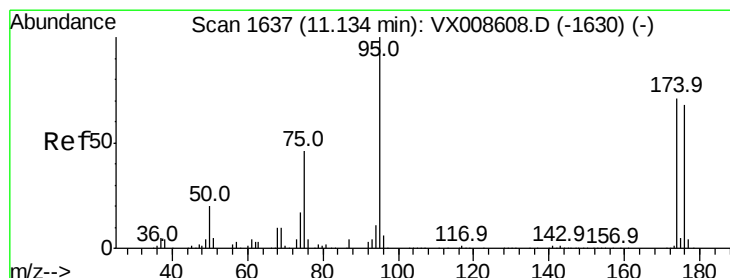
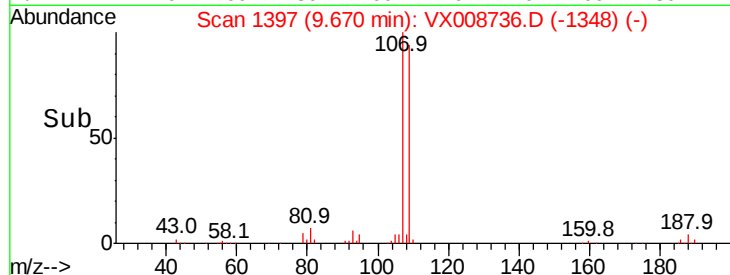
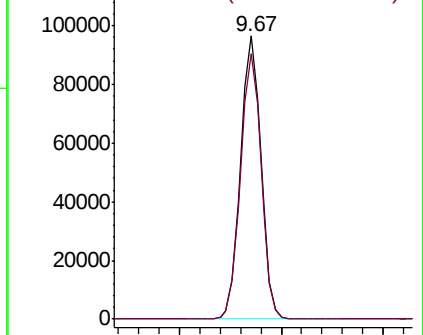
MMDadoda

4/9/2019 1:48:49 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.058 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

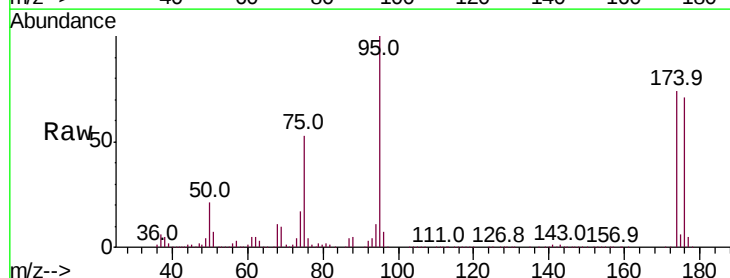
Tgt Ion: 95 Resp: 157091

Ion Ratio Lower Upper

95 100

174 78.4 0.0 151.8

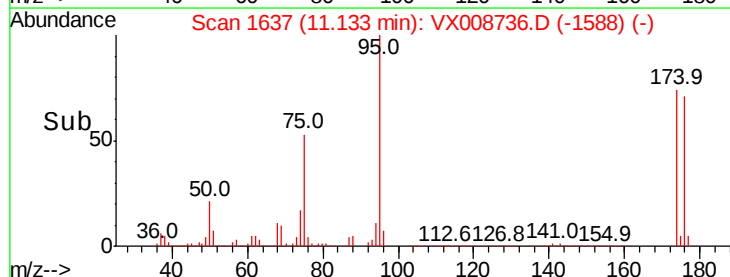
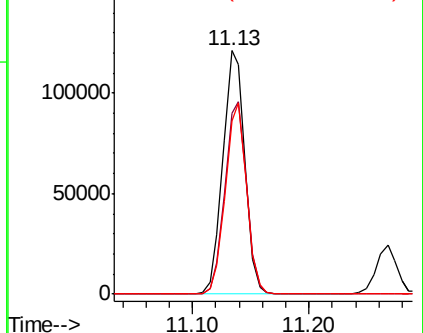
176 76.1 0.0 145.8

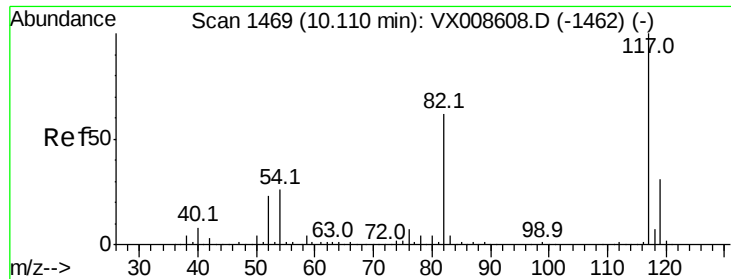


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





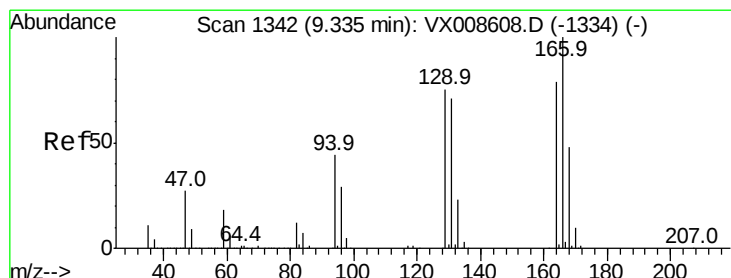
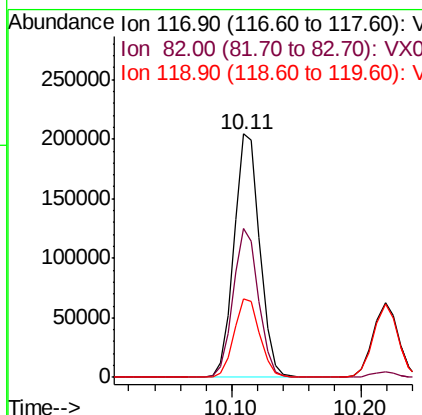
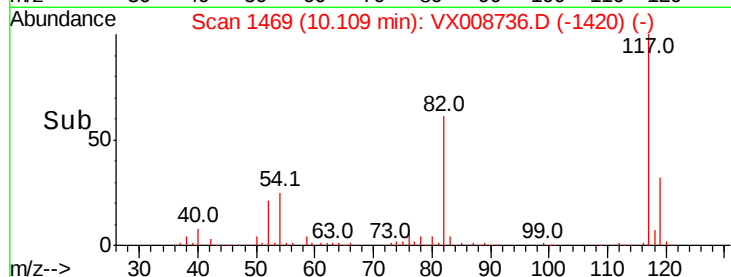
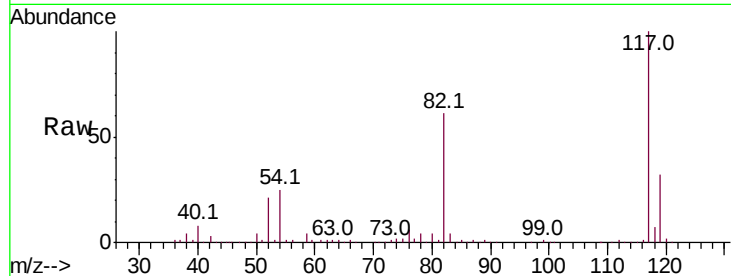
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008736.D
Acq: 08 Apr 2019 10:27

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.2	49.6	74.4
119	32.0	25.0	37.4

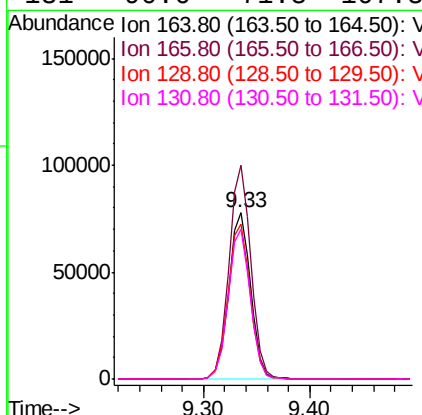
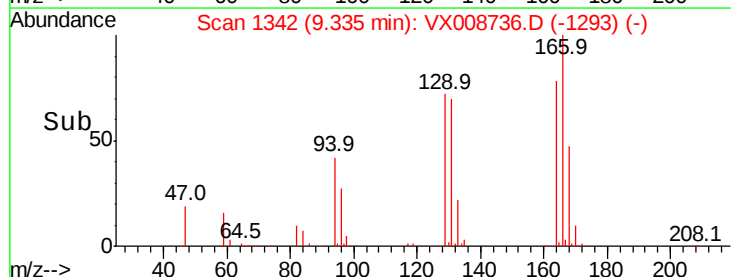
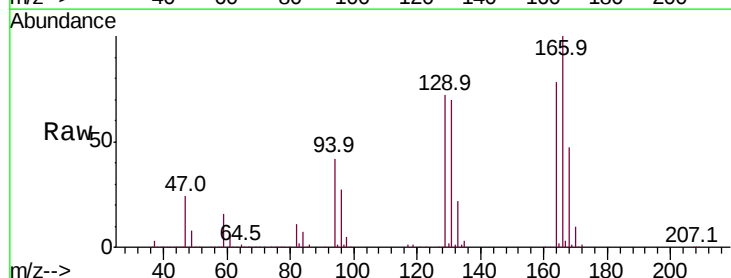
Manual Integrations
APPROVED

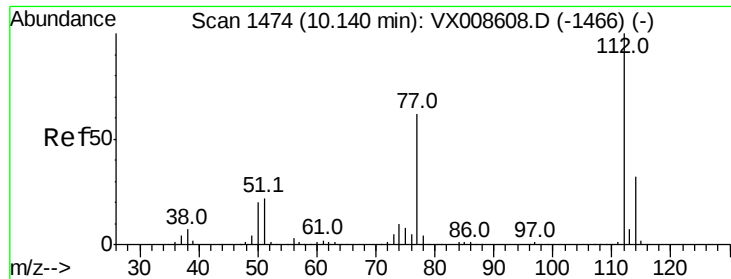
MMDadoda
4/9/2019 1:48:49 PM



#64
Tetrachloroethene
Concen: 53.008 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008736.D
Acq: 08 Apr 2019 10:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	101.0	151.6
129	93.2	75.8	113.8
131	90.6	71.8	107.8





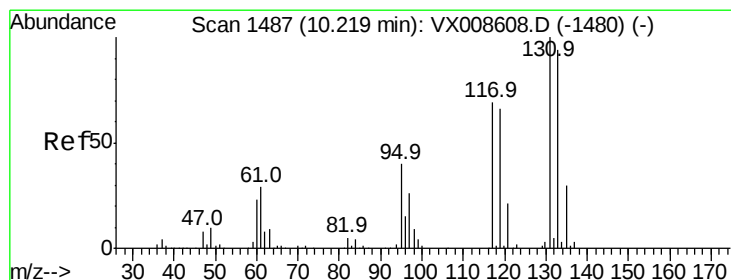
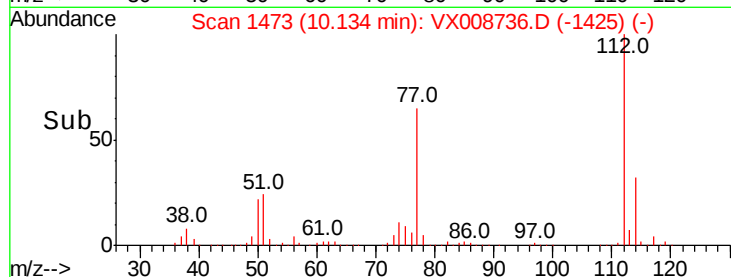
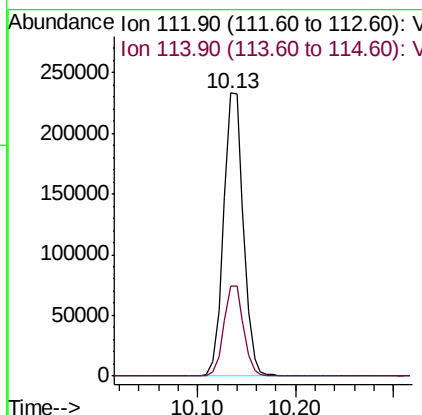
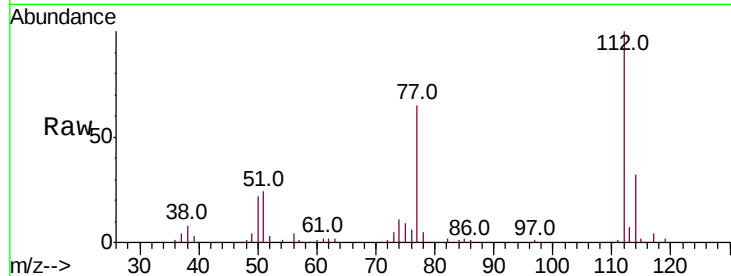
#65
Chlorobenzene
Concen: 52.008 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX008736.D
Acq: 08 Apr 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.8	38.8

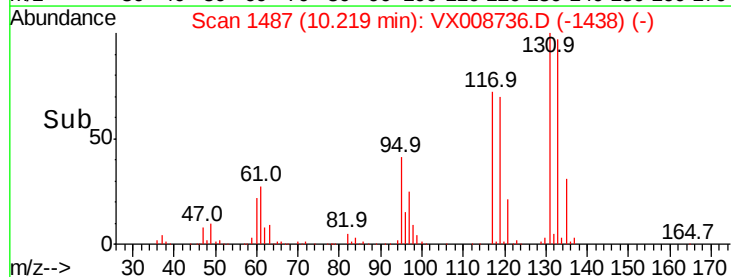
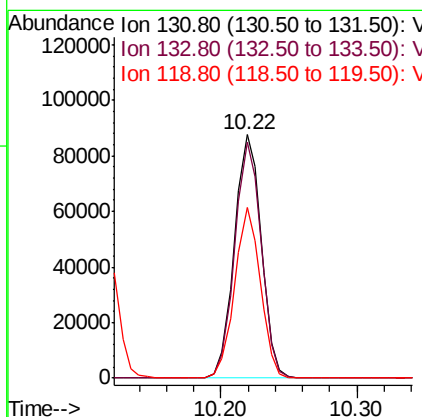
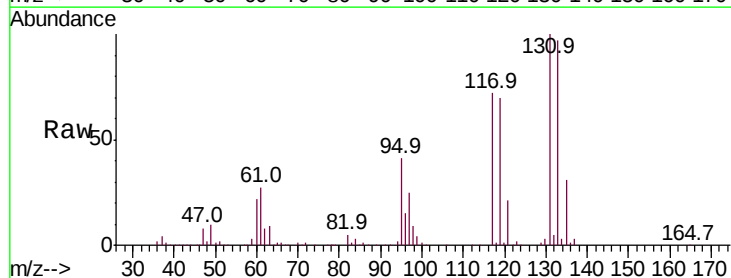
Manual Integrations
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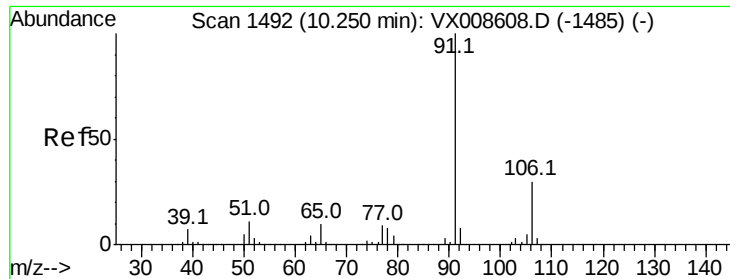
MMDadoda
4/9/2019 1:48:49 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.309 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX008736.D
Acq: 08 Apr 2019 10:27

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.0	141.2
119	67.4	33.7	101.0





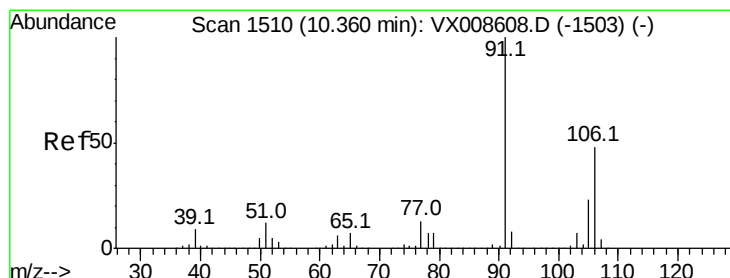
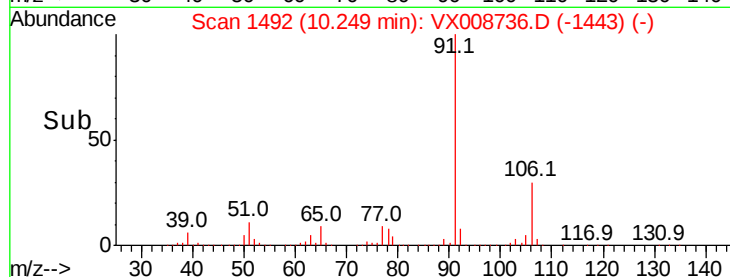
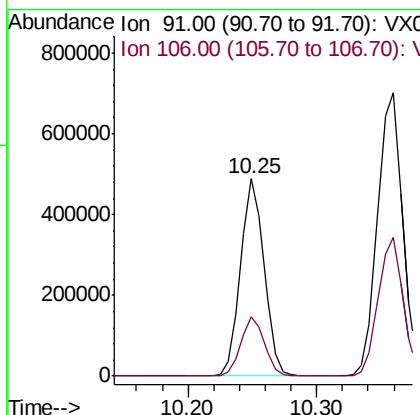
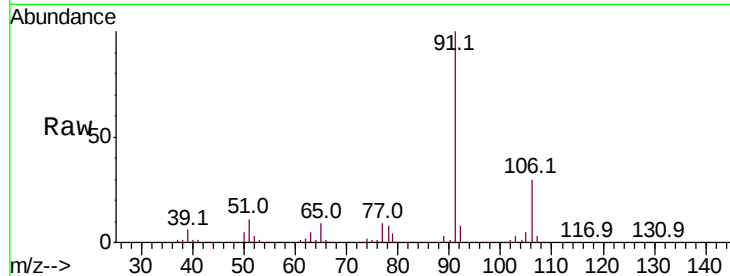
#67
Ethyl Benzene
Concen: 52.741 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008736.D
Acq: 08 Apr 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 620532
Ion Ratio Lower Upper
91 100
106 30.3 23.7 35.5

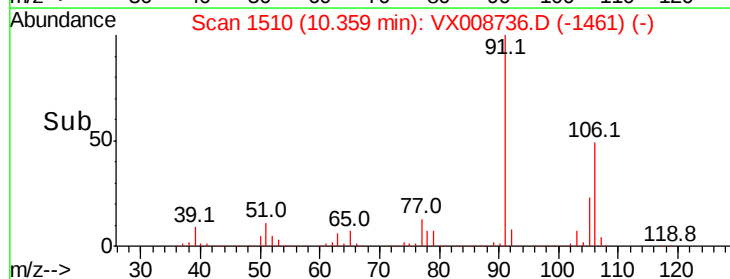
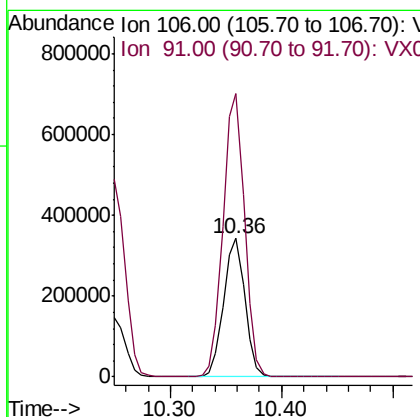
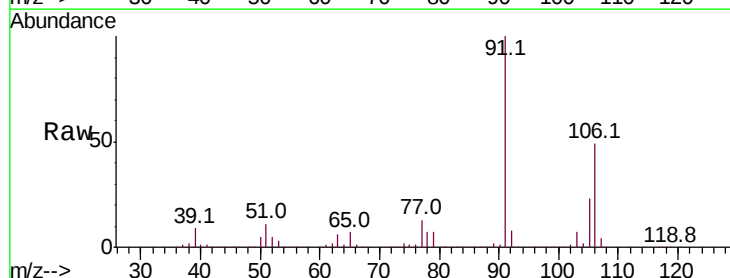
Manual Integrations
APPROVED

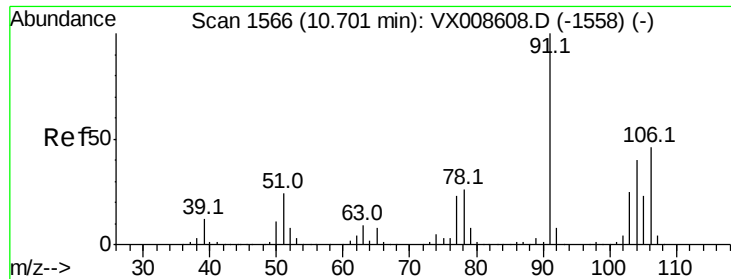
MMDadoda
4/9/2019 1:48:49 PM



#68
m/p-Xylenes
Concen: 107.161 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008736.D
Acq: 08 Apr 2019 10:27

Tgt Ion: 106 Resp: 453327
Ion Ratio Lower Upper
106 100
91 207.2 168.5 252.7





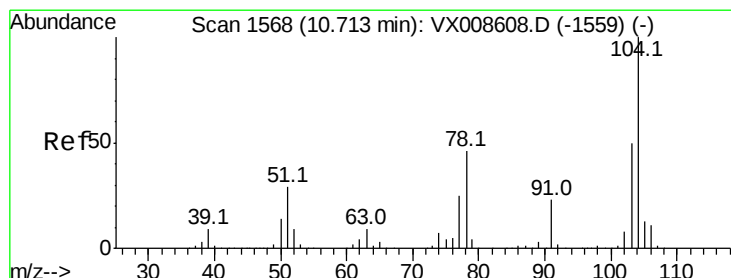
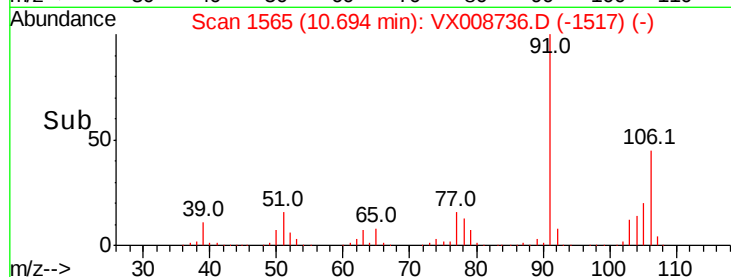
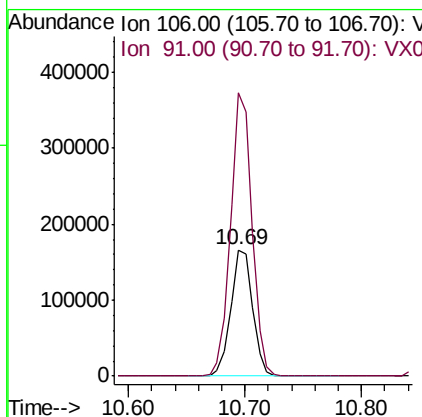
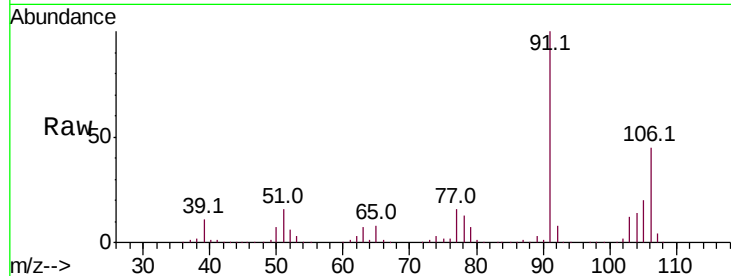
#69
o-Xylene
Concen: 52.942 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008736.D
Acq: 08 Apr 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 217045
Ion Ratio Lower Upper
106 100
91 220.4 111.5 334.4

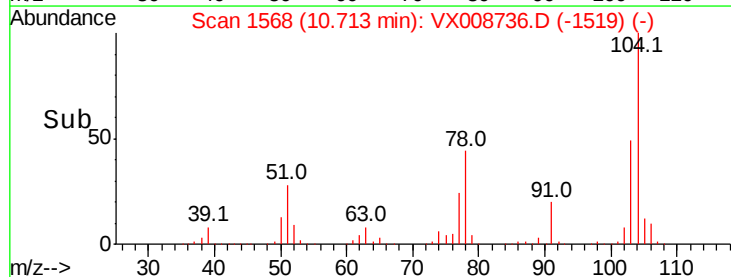
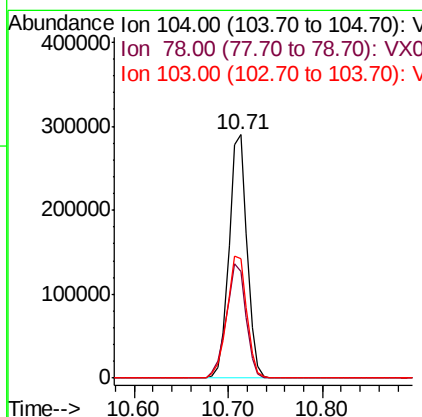
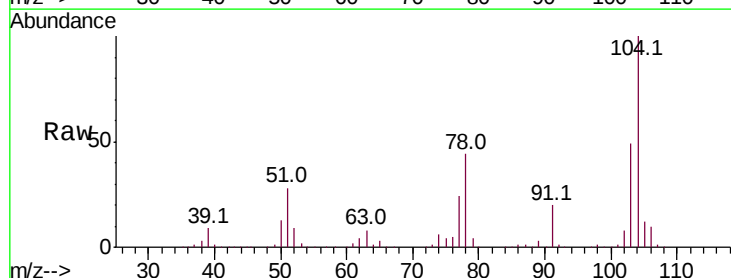
Manual Integrations
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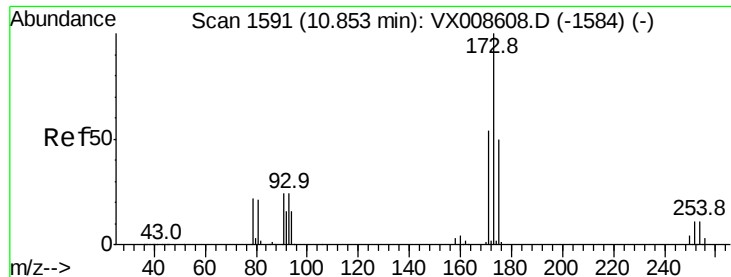
MMDadoda
4/9/2019 1:48:49 PM



#70
Styrene
Concen: 54.244 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008736.D
Acq: 08 Apr 2019 10:27

Tgt Ion:104 Resp: 383334
Ion Ratio Lower Upper
104 100
78 51.5 42.3 63.5
103 55.0 44.4 66.6





#71

Bromoform

Concen: 56.521 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 95555

Ion Ratio Lower Upper

173 100

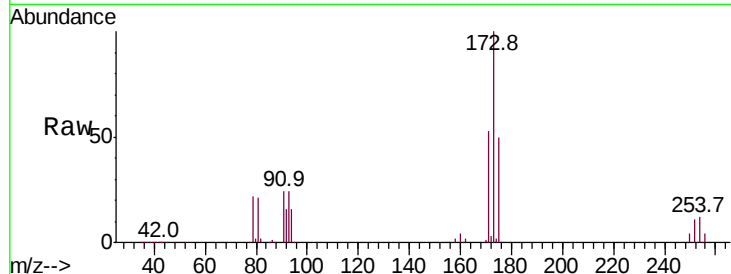
175 49.6 24.9 74.6

254 0.2 0.1 0.1#

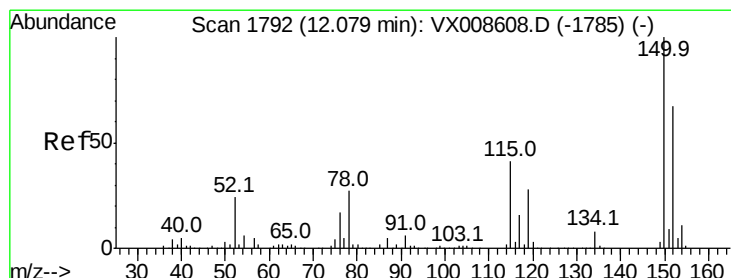
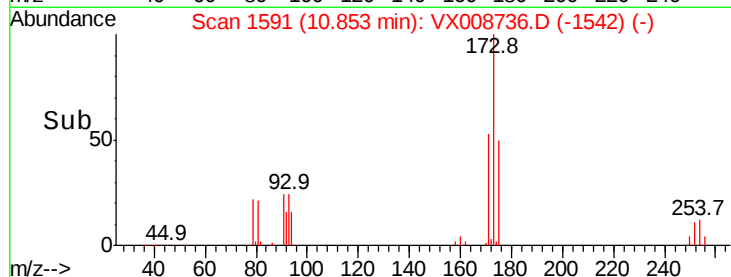
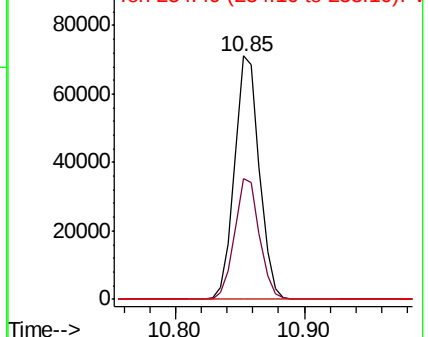
Manual Integrations
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4/9/2019 1:48:49 PM



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: VX008736.D

Acq: 08 Apr 2019 10:27

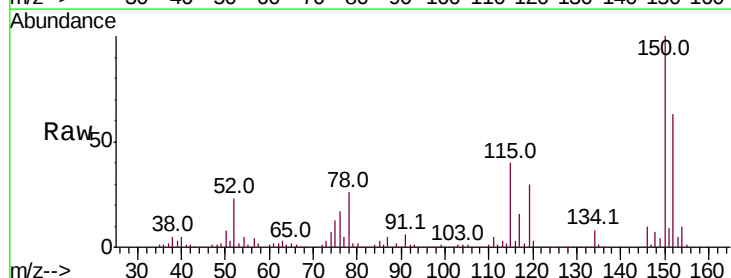
Tgt Ion:152 Resp: 134687

Ion Ratio Lower Upper

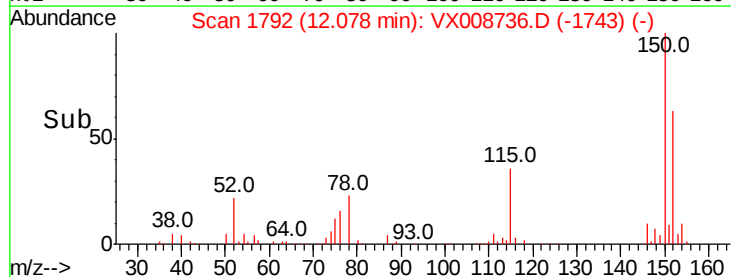
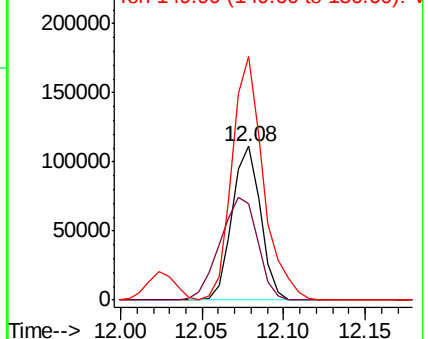
152 100

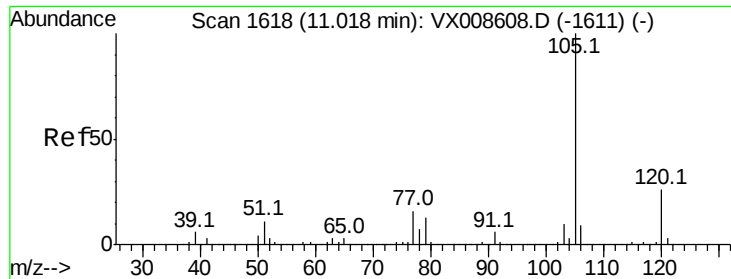
115 88.4 43.5 130.5

150 174.5 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: 52.668 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 587877

Ion Ratio Lower Upper

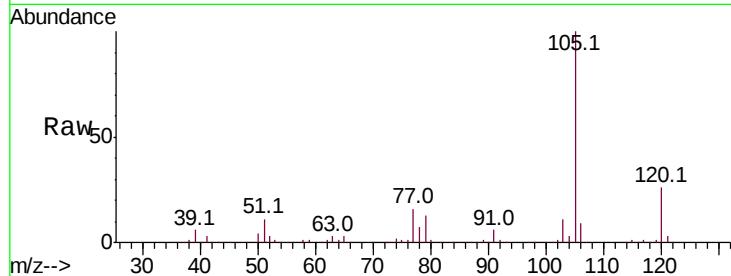
105 100

120 25.9 12.9 38.6

Manual Integrations
APPROVED

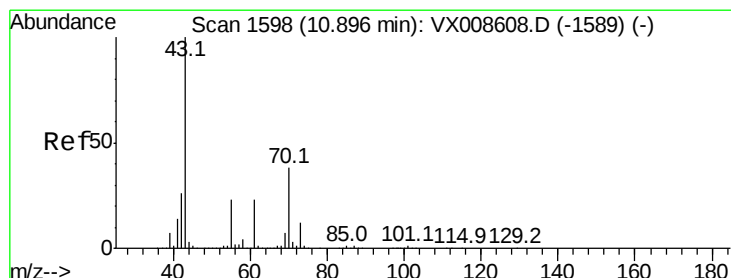
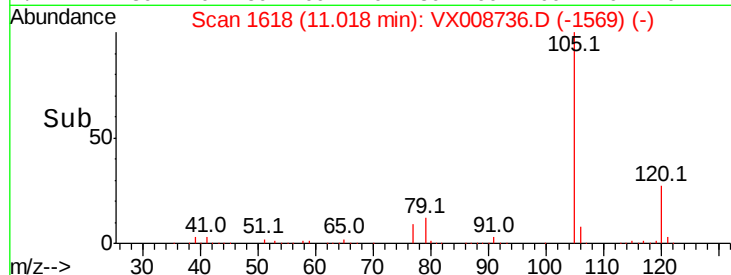
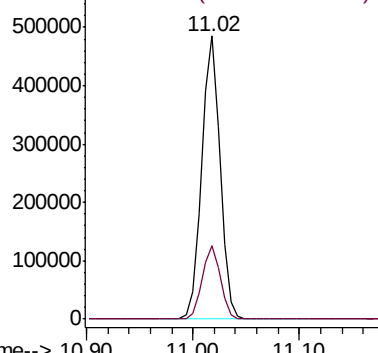
MMDadoda

4/9/2019 1:48:49 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.581 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

Tgt Ion: 43 Resp: 332170

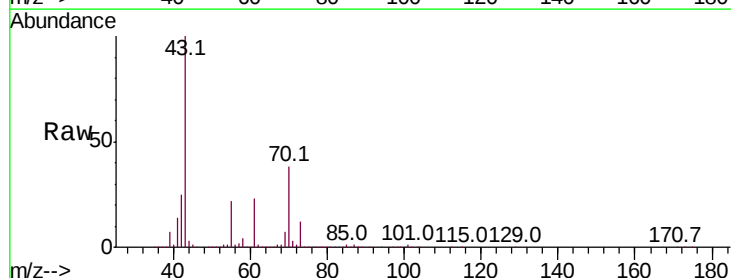
Ion Ratio Lower Upper

43 100

70 37.5 30.2 45.4

55 22.4 18.2 27.4

61 22.7 18.6 28.0

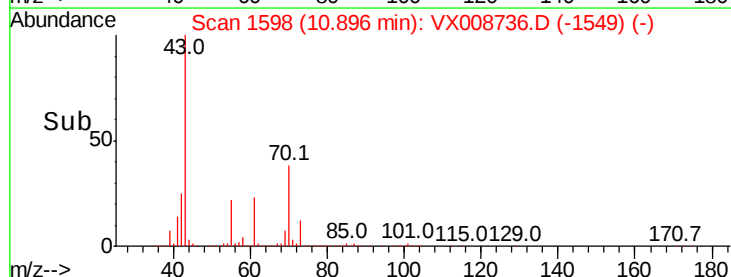
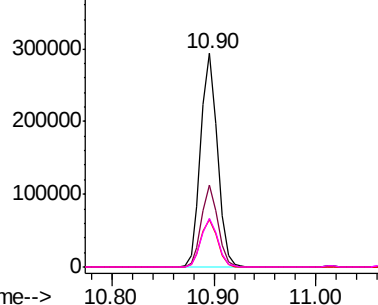


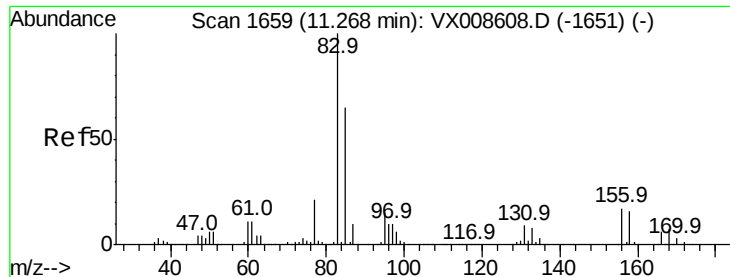
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.151 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

Instrument :

MSVOA_X

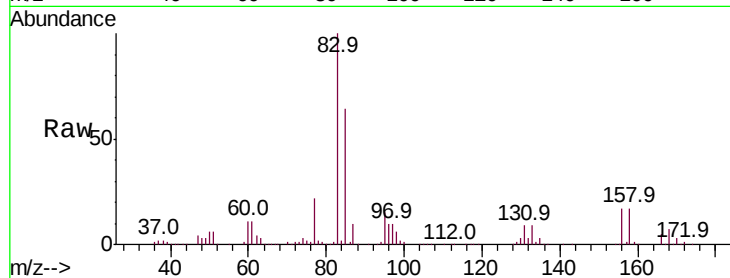
ClientSampleId :

VSTDCCC050

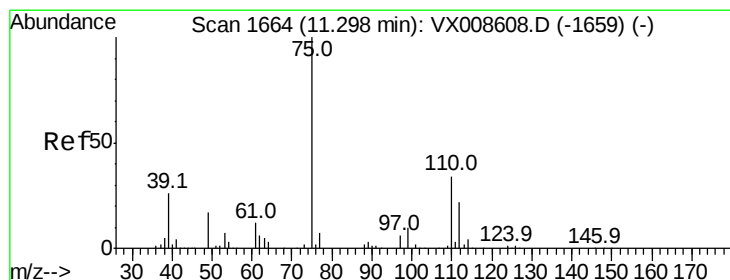
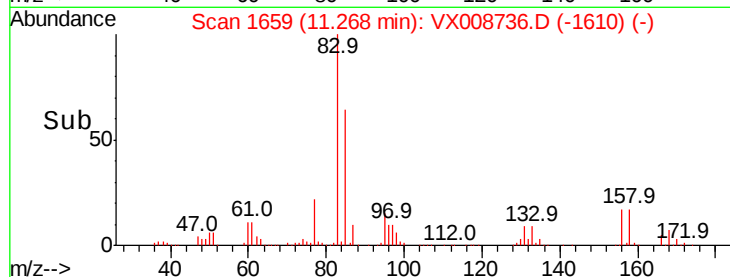
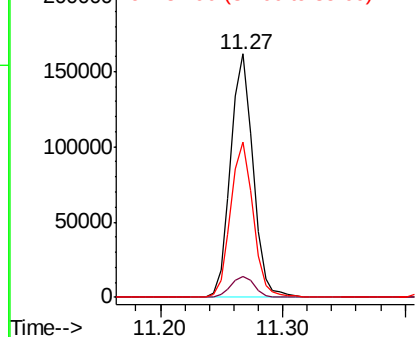
Tot Ion	83	Resp	204405
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.5	13.7
85	64.4	32.0	96.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 47.840 ug/l m

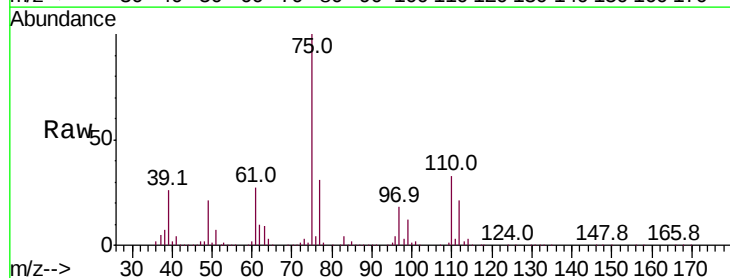
RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

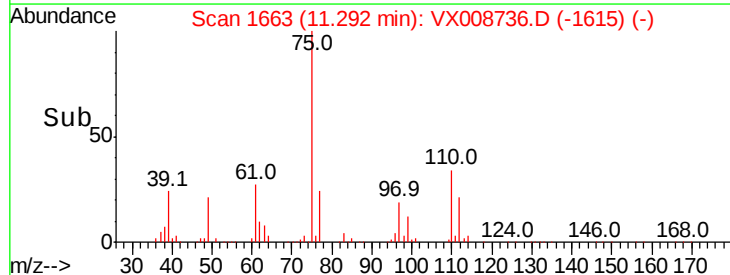
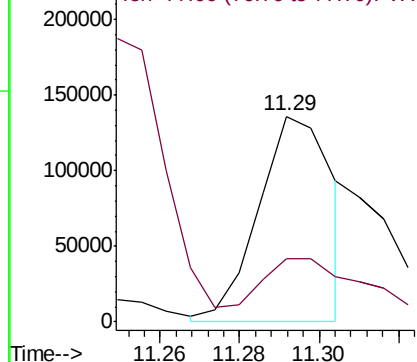
Lab File: VX008736.D

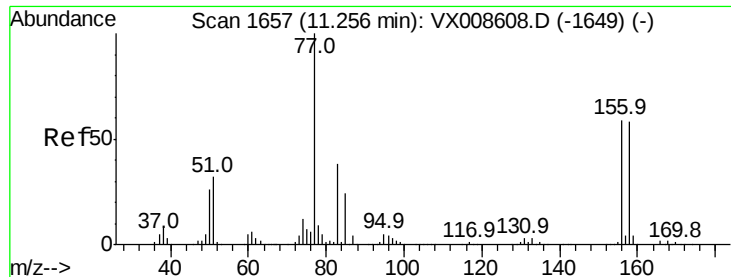
Acq: 08 Apr 2019 10:27

Tgt Ion	75	Resp	177006
Ion Ratio	Lower	Upper	
75	100		
77	44.9	22.3	66.8



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 51.957 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

Instrument :

MSVOA_X

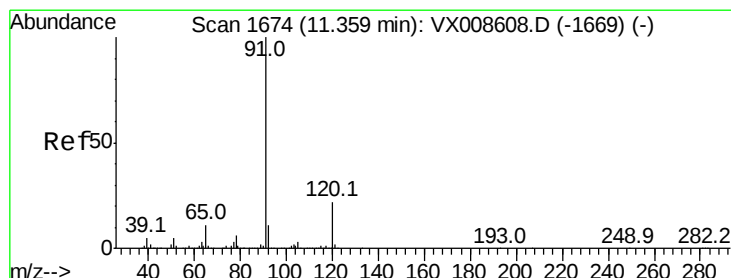
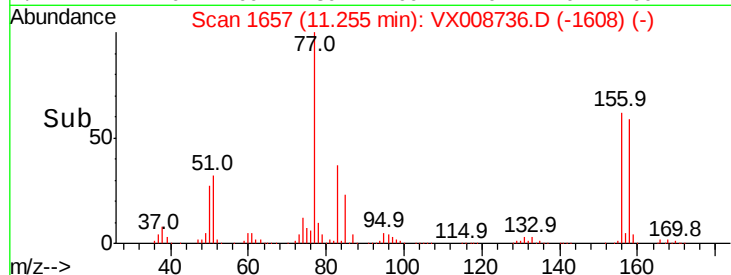
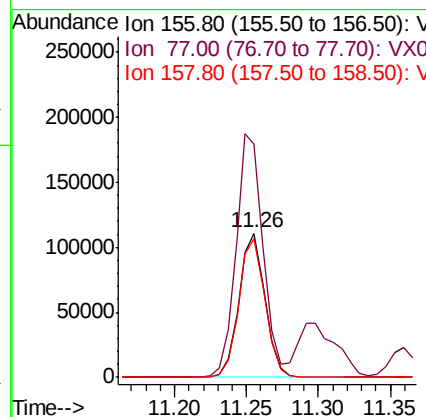
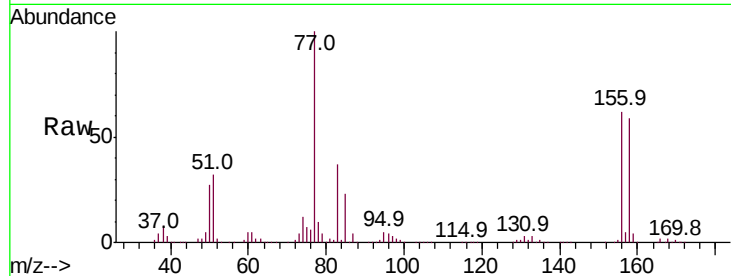
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	139417
Ion Ratio	Lower	Upper	
156	100		
77	174.5	89.8	269.6
158	97.2	48.6	145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 53.234 ug/l

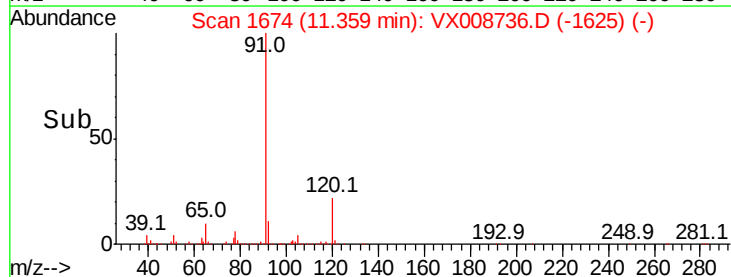
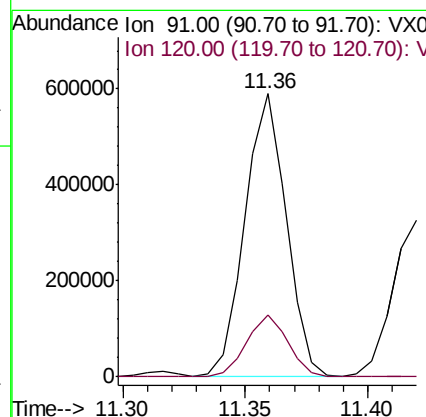
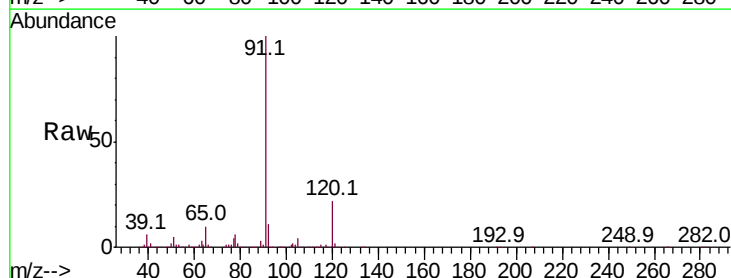
RT: 11.36 min Scan# 1674

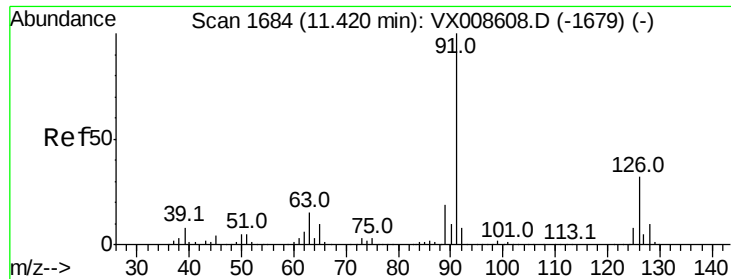
Delta R.T. -0.00 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

Tgt Ion:	91	Resp:	691858
Ion Ratio	Lower	Upper	
91	100		
120	21.8	10.9	32.7





#79

2-Chlorotoluene

Concen: 50.707 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 398810

Ion Ratio Lower Upper

91 100

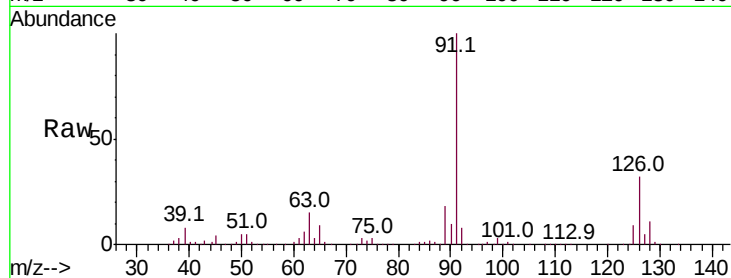
126 32.4 16.1 48.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX008608.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX008608.D (-1679) (-)

600000

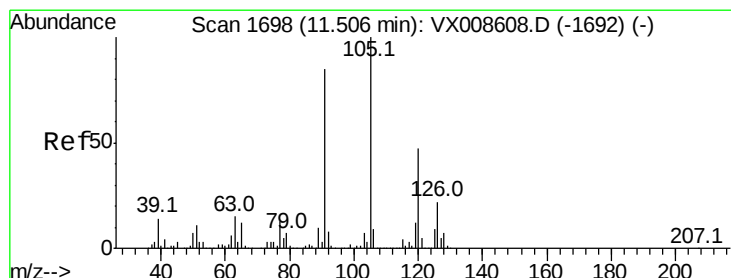
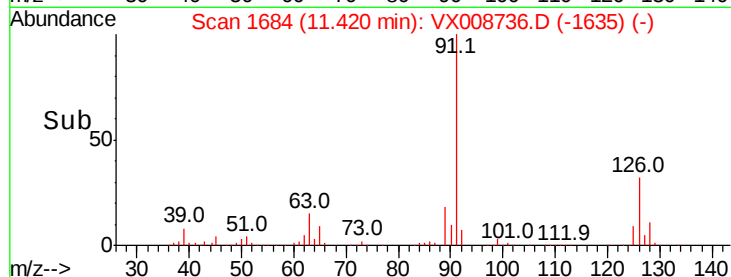
400000

200000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.979 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008736.D

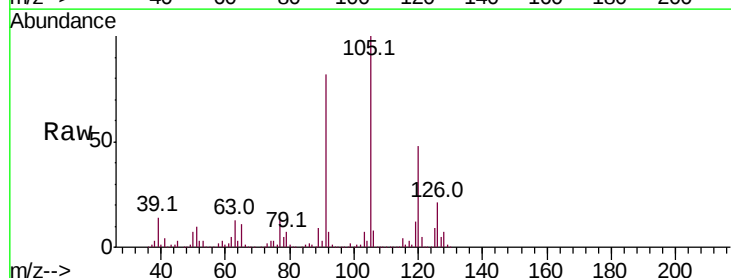
Acq: 08 Apr 2019 10:27

Tgt Ion:105 Resp: 496389

Ion Ratio Lower Upper

105 100

120 47.9 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VX008608.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX008608.D (-1692) (-)

500000

400000

300000

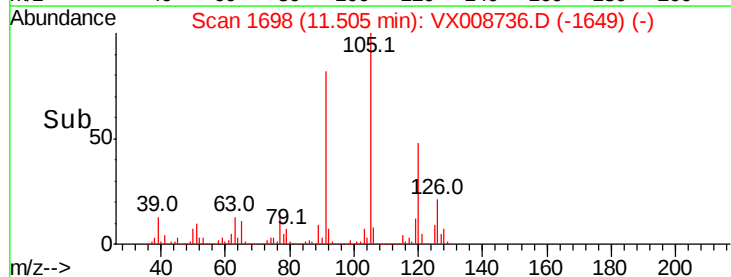
200000

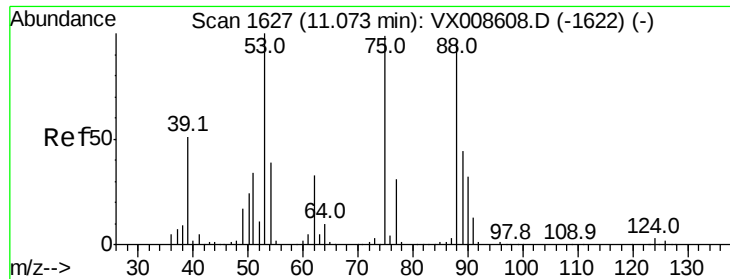
100000

0

11.50 11.51 11.60

Time-->





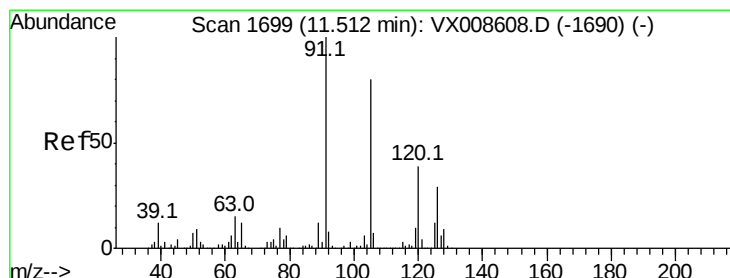
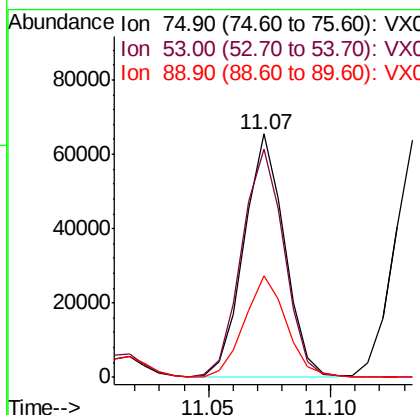
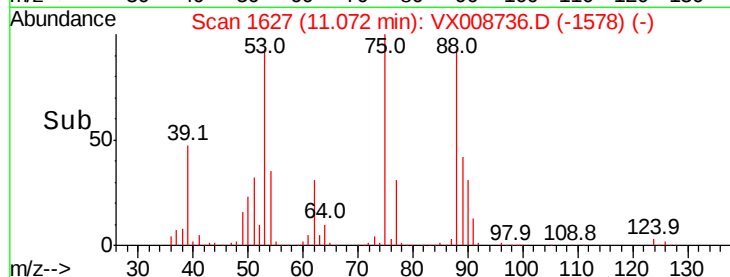
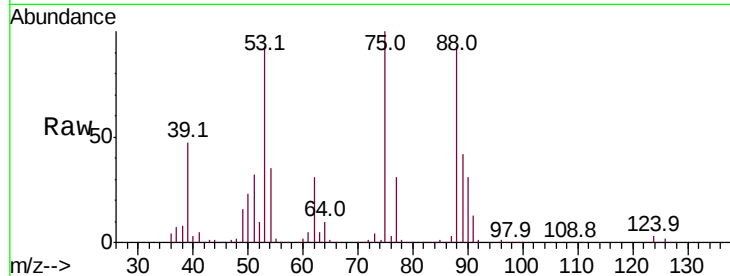
#81
trans-1,4-Dichloro-2-butene
Concen: 56.271 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX008736.D
Acq: 08 Apr 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.9	81.3	121.9
89	43.7	35.6	53.4

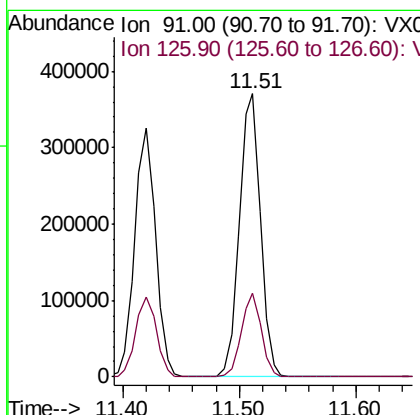
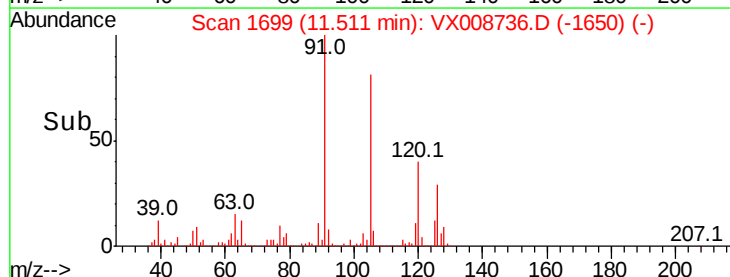
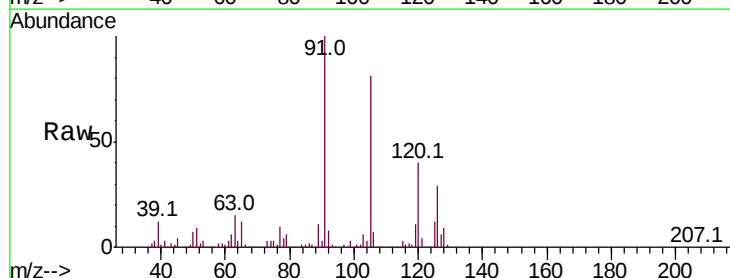
Manual Integrations
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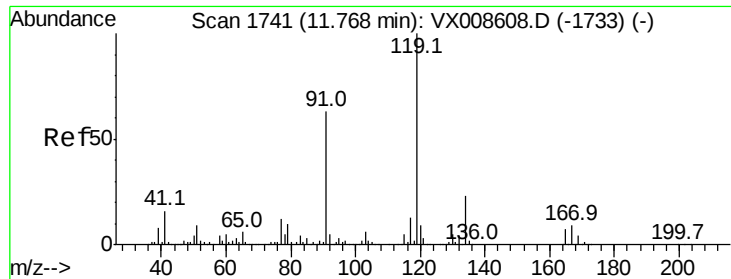
MMDadoda
4/9/2019 1:48:49 PM



#82
4-Chlorotoluene
Concen: 51.405 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX008736.D
Acq: 08 Apr 2019 10:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.1	13.9	41.6





#83

tert-Butylbenzene

Concen: 53.481 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

Instrument :

MSVOA_X

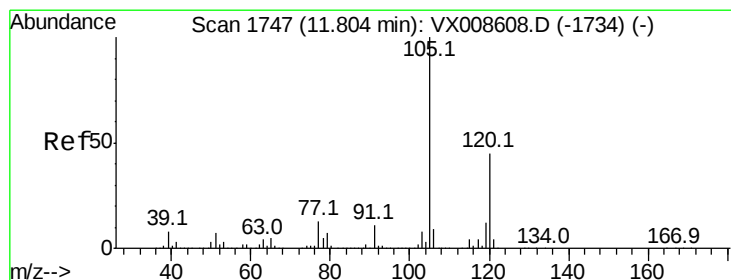
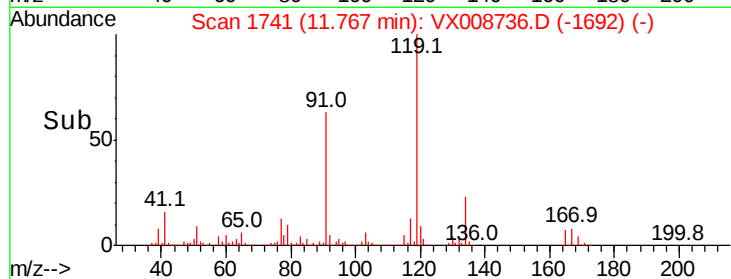
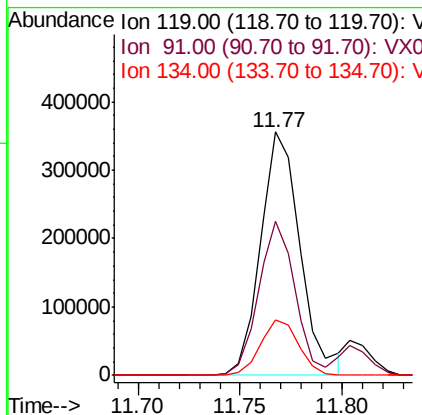
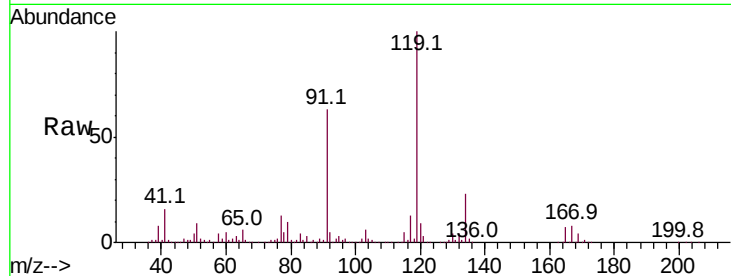
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	482083
Ion Ratio	Lower	Upper	
119	100		
91	58.1	30.0	90.1
134	21.8	11.1	33.3

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 52.598 ug/l

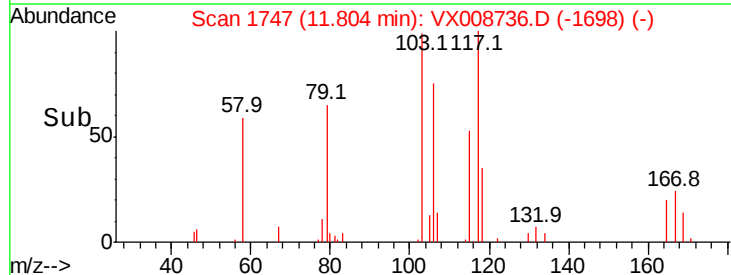
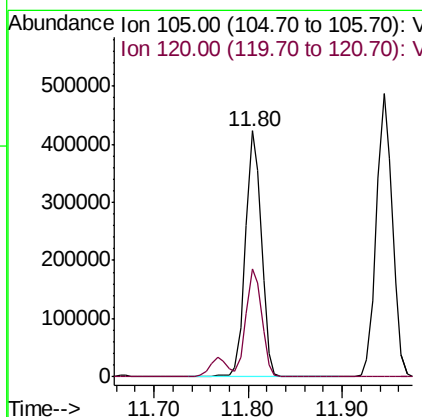
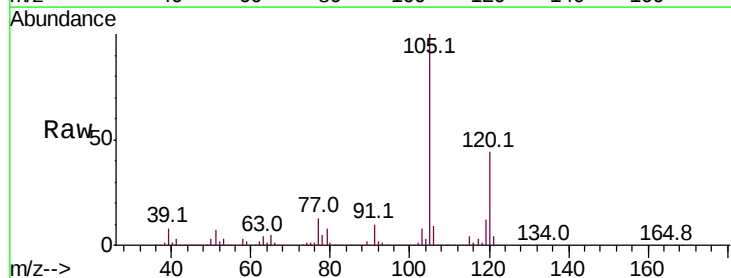
RT: 11.80 min Scan# 1747

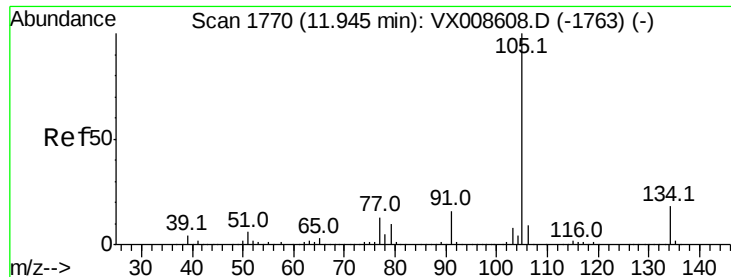
Delta R.T. -0.00 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

Tgt Ion:	105	Resp:	499011
Ion Ratio	Lower	Upper	
105	100		
120	43.4	21.8	65.3





#85

sec-Butylbenzene

Concen: 53.730 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 575301

Ion Ratio Lower Upper

105 100

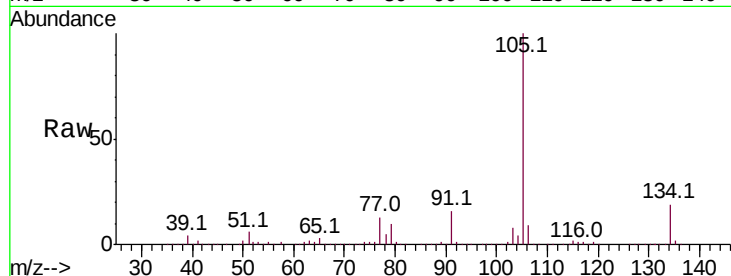
134 19.2 9.4 28.2

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

500000

400000

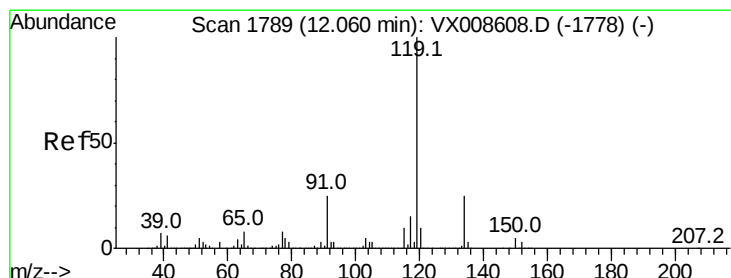
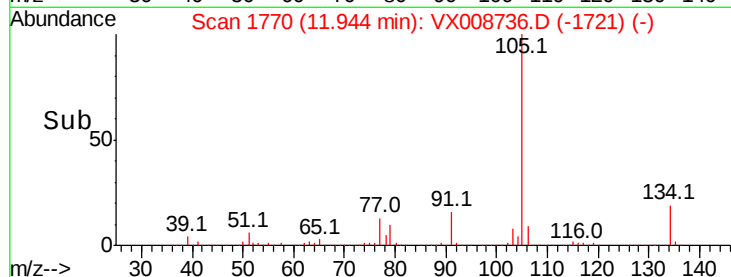
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 54.258 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

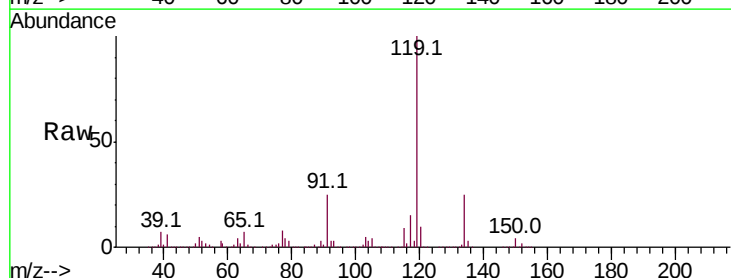
Tgt Ion:119 Resp: 521432

Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

91 24.1 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

600000

500000

400000

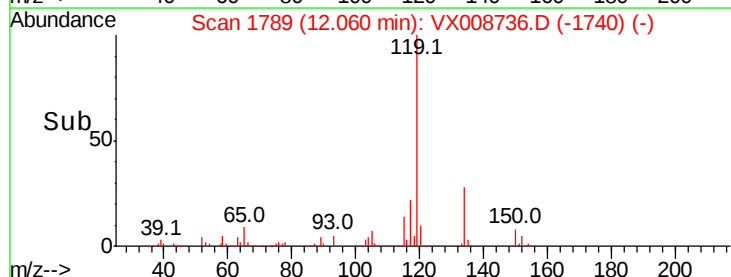
300000

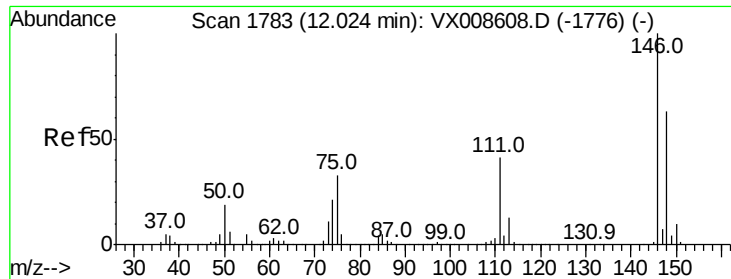
200000

100000

0

Time-->





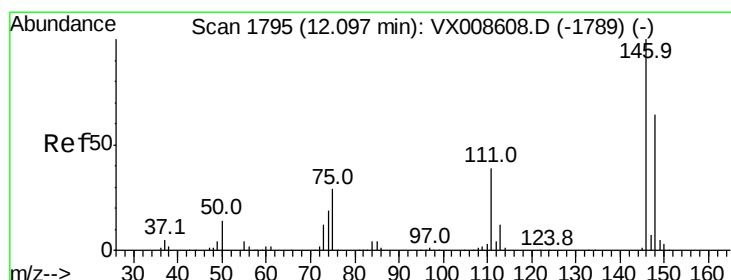
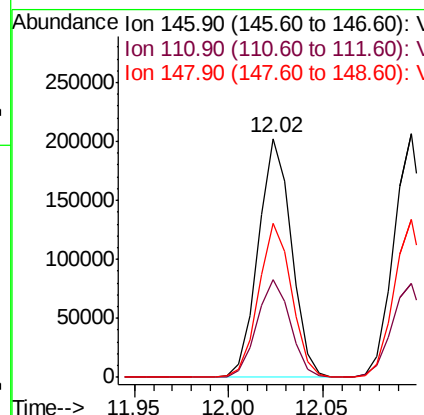
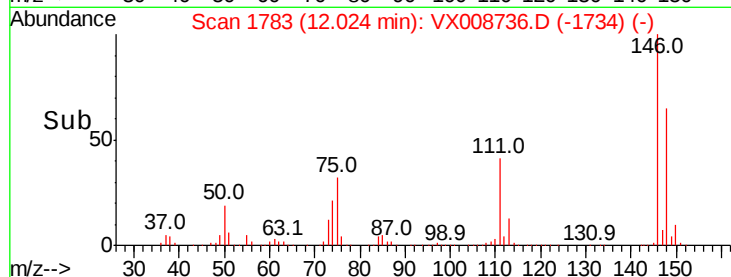
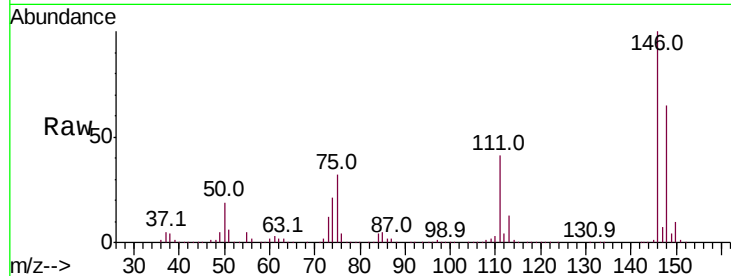
#87
 1,3-Dichlorobenzene
 Concen: 51.238 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008736.D
 Acq: 08 Apr 2019 10:27

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.5	61.5
148	64.2	31.6	94.7

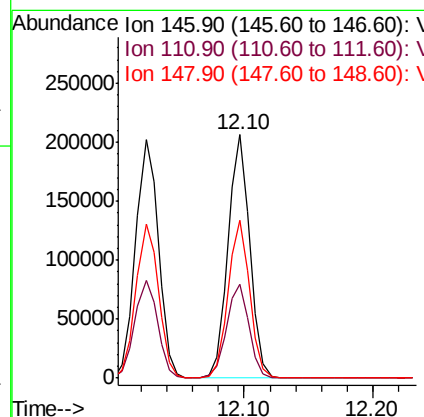
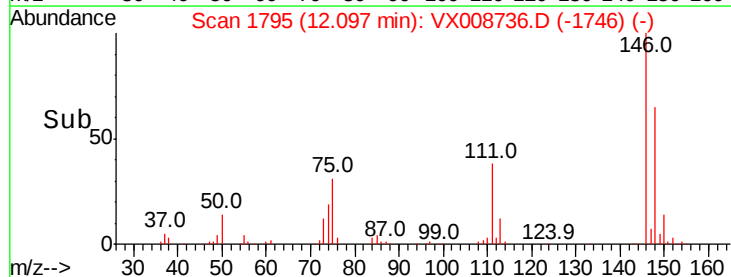
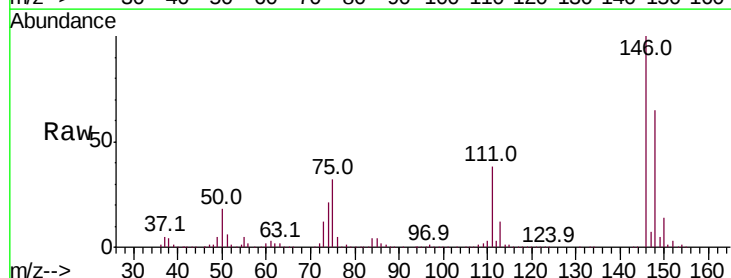
Manual Integrations
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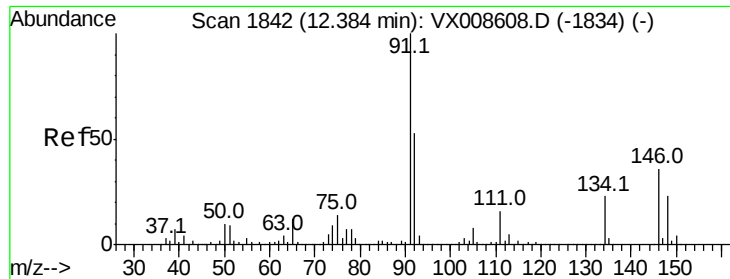
MMDadoda
 4/9/2019 1:48:49 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.533 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008736.D
 Acq: 08 Apr 2019 10:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.2	60.6
148	64.6	32.0	96.0





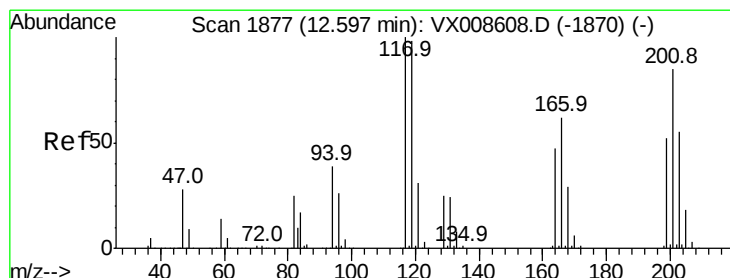
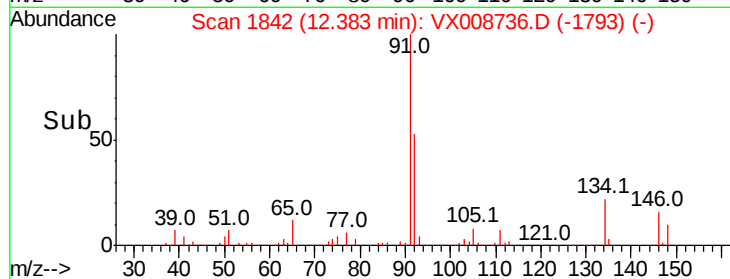
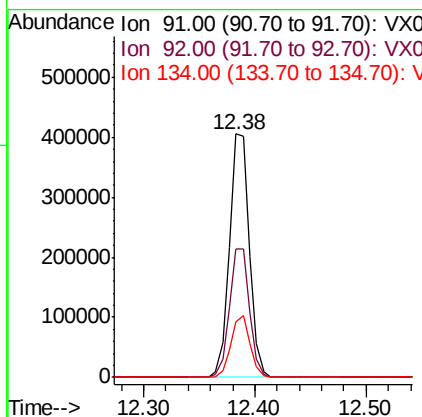
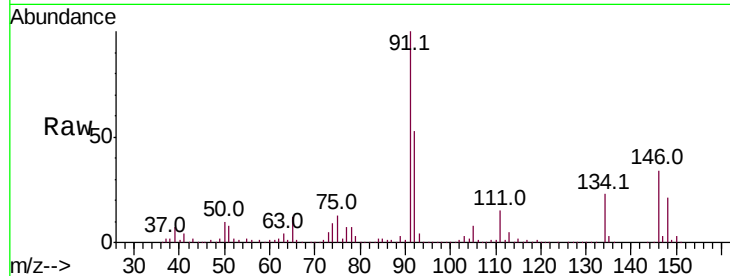
#89
n-Butylbenzene
Concen: 55.343 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008736.D
Acq: 08 Apr 2019 10:27

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.4	79.2
134	24.4	12.0	36.0

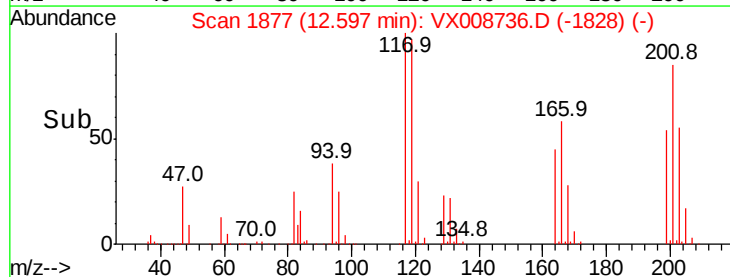
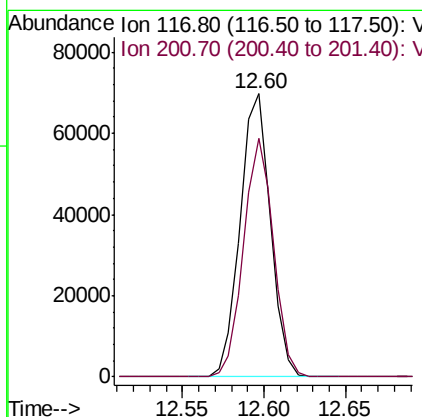
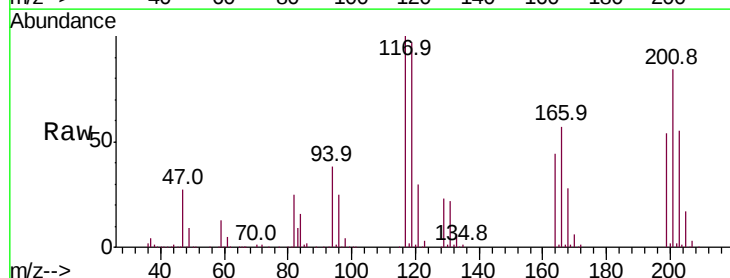
Manual Integrations
APPROVED

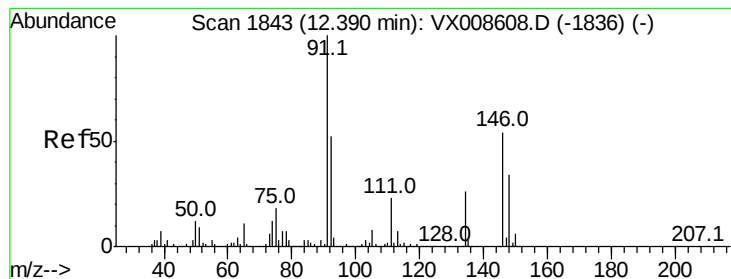
MMDadoda
4/9/2019 1:48:49 PM



#90
Hexachloroethane
Concen: 56.811 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008736.D
Acq: 08 Apr 2019 10:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.0	40.6	122.0





#91

1,2-Dichlorobenzene

Concen: 50.695 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

Instrument :

MSVOA_X

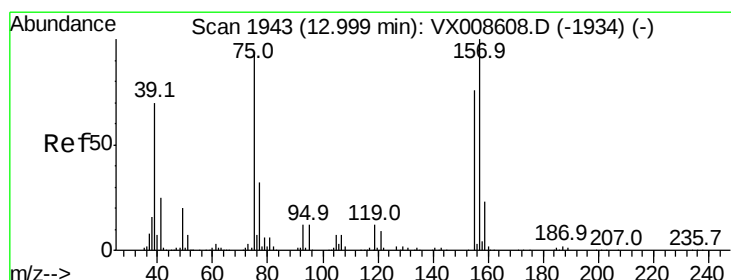
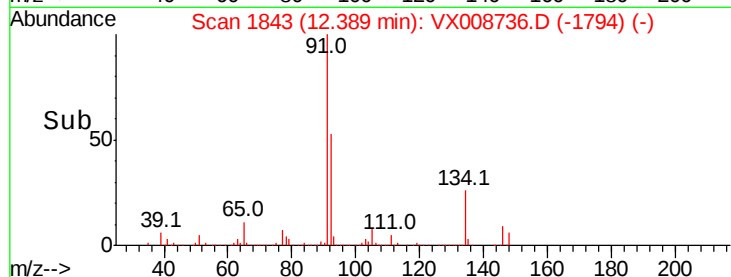
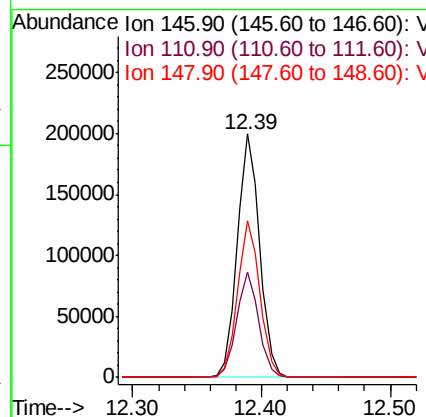
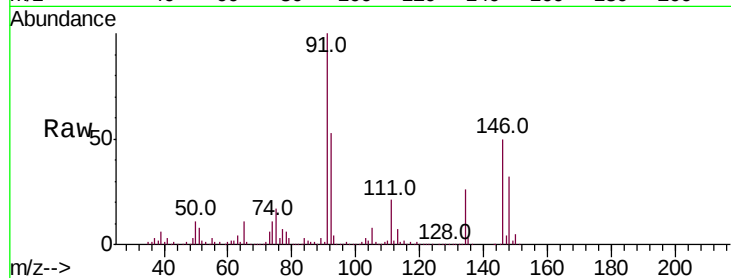
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	241794
Ion Ratio	Lower	Upper	
146	100		
111	42.4	21.3	63.9
148	64.2	31.7	95.1

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 49.406 ug/l

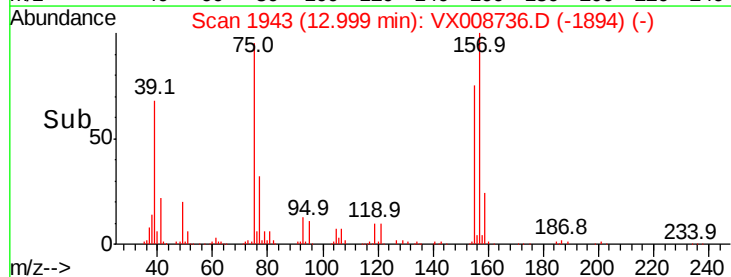
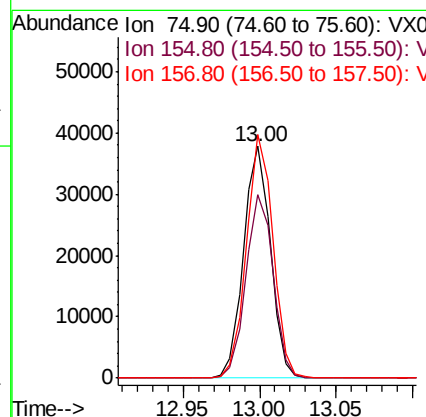
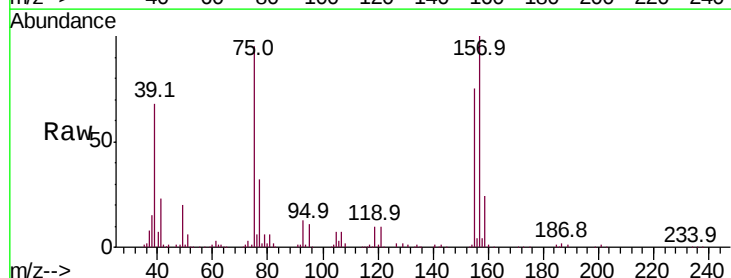
RT: 13.00 min Scan# 1943

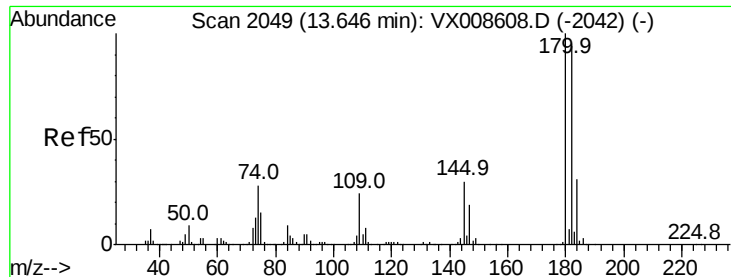
Delta R.T. -0.00 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

Tgt Ion:	75	Resp:	46137
Ion Ratio	Lower	Upper	
75	100		
155	80.2	39.9	119.6
157	103.5	51.5	154.7





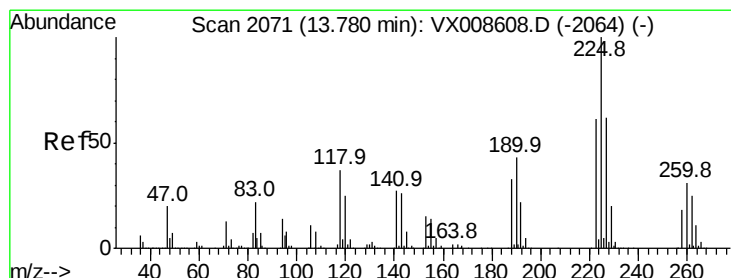
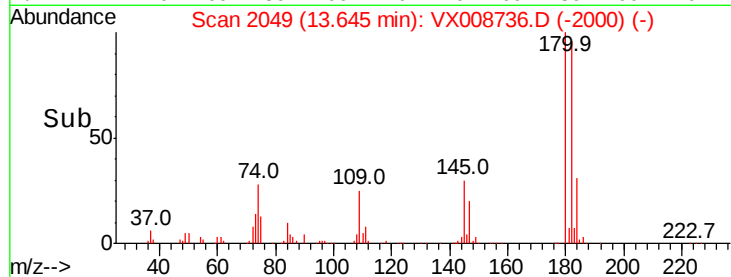
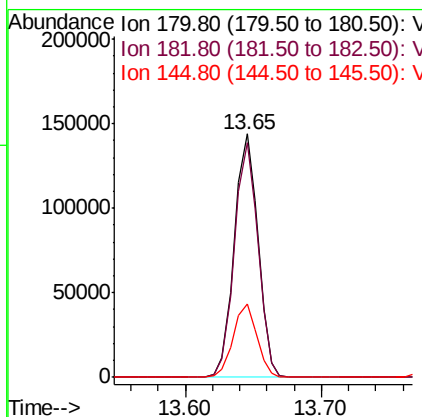
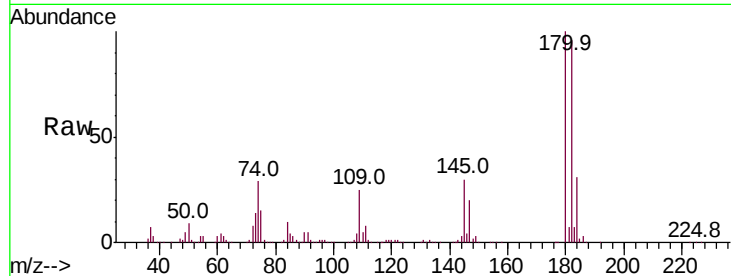
#93
 1,2,4-Trichlorobenzene
 Concen: 52.720 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008736.D
 Acq: 08 Apr 2019 10:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	174830
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.2	141.6
145	30.2	15.3	45.9

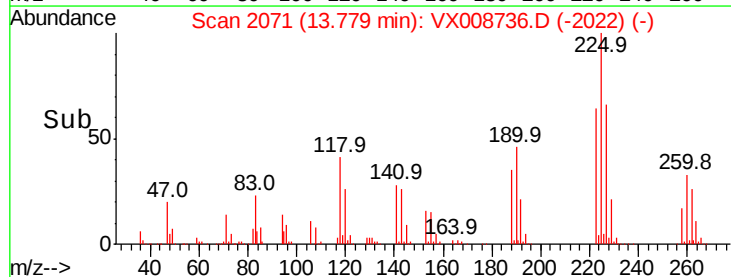
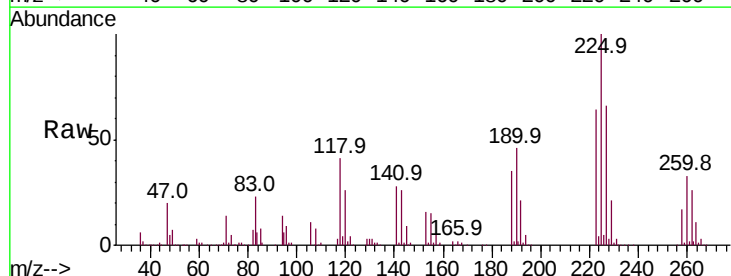
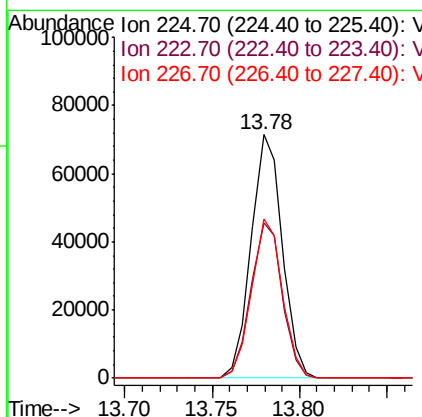
Manual Integrations
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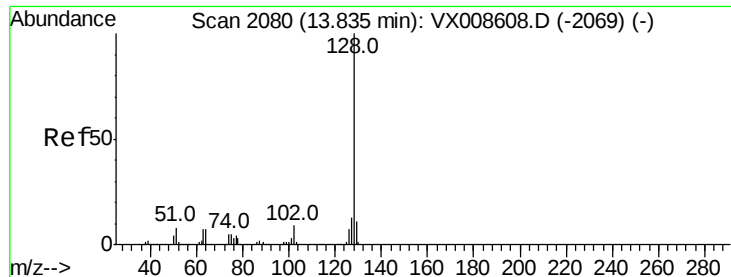
MMDadoda
 4/9/2019 1:48:49 PM



#94
 Hexachlorobutadiene
 Concen: 55.748 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008736.D
 Acq: 08 Apr 2019 10:27

Tgt Ion:	225	Resp:	88662
Ion Ratio	Lower	Upper	
225	100		
223	64.1	31.2	93.6
227	64.3	31.9	95.5





#95

Naphthalene

Concen: 51.468 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 570449

Ion Ratio Lower Upper

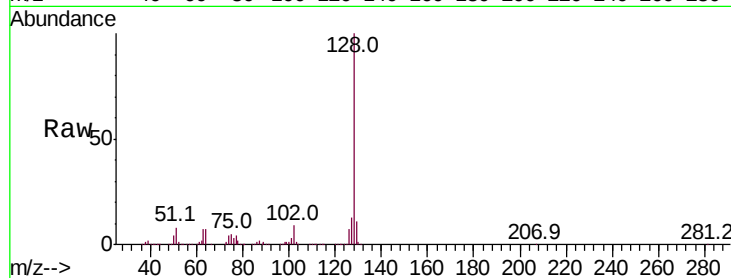
128 100

127 13.1 10.4 15.6

129 10.8 8.6 13.0

Manual Integrations
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MMDadoda
4/9/2019 1:48:49 PM

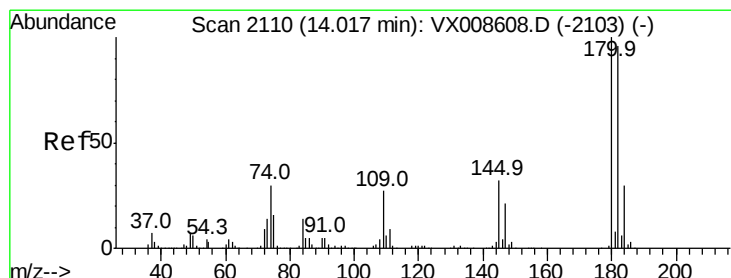
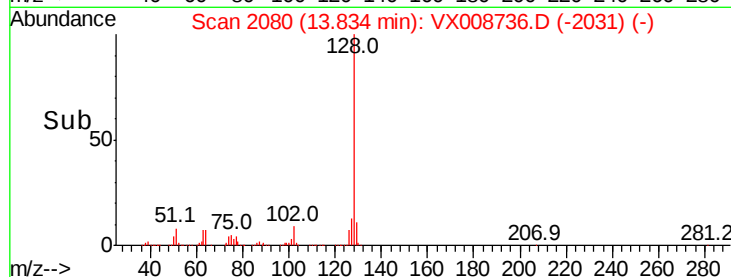


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

600000
500000
400000
300000
200000
100000
0

13.83

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 52.335 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008736.D

Acq: 08 Apr 2019 10:27

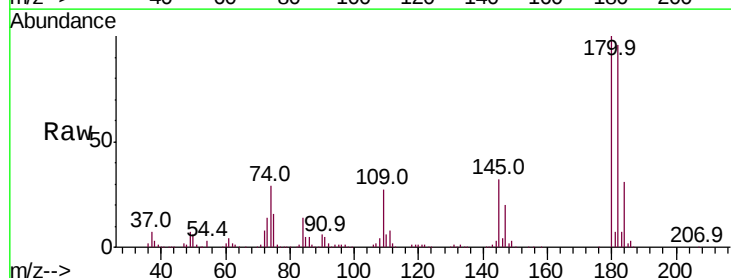
Tgt Ion:180 Resp: 173405

Ion Ratio Lower Upper

180 100

182 95.7 48.1 144.3

145 31.7 16.3 48.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

150000
100000
50000
0

14.02

Time-->

