

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041519\
 Data File : VX008970.D
 Acq On : 15 Apr 2019 19:05
 Operator : JC/SP
 Sample : K2385-09MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MS

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 10:53:34 AM

Quant Time: Apr 16 04:43:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 02:27:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	217326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	357104	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	318196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	144451	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	162223	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	
35) Dibromofluoromethane	5.50	113	119203	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
50) Toluene-d8	8.71	98	483165	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
62) 4-Bromofluorobenzene	11.13	95	169497	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	134408	53.695	ug/l	99
3) Chloromethane	1.32	50	158049	51.430	ug/l	100
4) Vinyl Chloride	1.41	62	154389	51.617	ug/l	98
5) Bromomethane	1.64	94	85894	46.178	ug/l	99
6) Chloroethane	1.71	64	91440	51.989	ug/l	96
7) Trichlorofluoromethane	1.93	101	176189	50.452	ug/l	97
8) Diethyl Ether	2.19	74	80255	50.251	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	110346	49.420	ug/l	99
10) Methyl Iodide	2.51	142	125113	51.139	ug/l	99
11) Tert butyl alcohol	3.05	59	160518	236.109	ug/l	99
12) 1,1-Dichloroethene	2.37	96	115161	49.413	ug/l	98
13) Acrolein	2.29	56	144146	245.391	ug/l	100
14) Allyl chloride	2.73	41	261486	51.427	ug/l	99
15) Acrylonitrile	3.14	53	437339	253.416	ug/l	99
16) Acetone	2.45	43	361846	227.824	ug/l	100
17) Carbon Disulfide	2.57	76	339727	49.616	ug/l	100
18) Methyl Acetate	2.78	43	189976	47.926	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	425017	51.181	ug/l	99
20) Methylene Chloride	2.85	84	132491	48.779	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	122568	49.307	ug/l	96
22) Diisopropyl ether	3.85	45	511943	51.815	ug/l	97
23) Vinyl Acetate	3.81	43	2274541	261.889	ug/l	99
24) 1,1-Dichloroethane	3.70	63	251941	50.797	ug/l	99
25) 2-Butanone	4.67	43	638183	251.378	ug/l	99
26) 2,2-Dichloropropane	4.59	77	174448	46.923	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	150229	53.229	ug/l	100
28) Bromochloromethane	5.01	49	110282	53.675	ug/l	99
29) Tetrahydrofuran	5.13	42	430705	253.471	ug/l	99
30) Chloroform	5.21	83	227874	51.344	ug/l	98
31) Cyclohexane	5.58	56	247464	50.729	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	189863	51.615	ug/l	99
36) 1,1-Dichloropropene	5.80	75	177897	48.168	ug/l	99
37) Ethyl Acetate	4.83	43	243388	51.214	ug/l	99
38) Carbon Tetrachloride	5.79	117	159068	50.804	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	220294	48.991	ug/l	98
40) Benzene	6.14	78	544460	49.972	ug/l	99
41) Methacrylonitrile	5.04	41	141393	51.840	ug/l	99
42) 1,2-Dichloroethane	6.20	62	193000	50.006	ug/l	99
43) Isopropyl Acetate	6.45	43	388118	50.679	ug/l	100
44) Trichloroethene	7.21	130	131627	49.307	ug/l	97
45) 1,2-Dichloropropane	7.51	63	153822	50.890	ug/l	99
46) Dibromomethane	7.66	93	86585	49.221	ug/l	100
47) Bromodichloromethane	7.90	83	174974	50.714	ug/l	98
48) Methyl methacrylate	7.77	41	197516	52.196	ug/l	99
49) 1,4-Dioxane	7.74	88	61614	869.927	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1238504	253.844	ug/l	100
52) Toluene	8.78	92	326074	49.937	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	204548	51.514	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	225088	50.626	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	130960	50.604	ug/l	97
56) Ethyl methacrylate	9.18	69	240587	51.846	ug/l	99
57) 1,3-Dichloropropane	9.37	76	233462	50.667	ug/l	100
59) 2-Hexanone	9.49	43	925433	246.021	ug/l	100
60) Dibromochloromethane	9.58	129	129997	52.412	ug/l	98
61) 1,2-Dibromoethane	9.67	107	135653	50.788	ug/l	100
64) Tetrachloroethene	9.34	164	147353	60.958	ug/l	98
65) Chlorobenzene	10.13	112	330187	49.162	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	120017	50.725	ug/l	100
67) Ethyl Benzene	10.25	91	608942	49.598	ug/l	100
68) m/p-Xylenes	10.36	106	443669	99.433	ug/l	100
69) o-Xylene	10.69	106	213306	49.131	ug/l	97
70) Stvrene	10.71	104	371793	49.417	ug/l	99
71) Bromoform	10.85	173	95914	50.883	ug/l #	100
73) Isopropylbenzene	11.02	105	570306	52.086	ug/l	100
74) N-amyl acetate	10.90	43	324369	51.595	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	204473	51.110	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	180471m	51.165	ug/l	
77) Bromobenzene	11.26	156	139416	50.466	ug/l	99
78) n-propylbenzene	11.36	91	656203	52.215	ug/l	99
79) 2-Chlorotoluene	11.42	91	390456	51.559	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	478518	52.080	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	71708	52.193	ug/l	98
82) 4-Chlorotoluene	11.51	91	451436	51.328	ug/l	99
83) tert-Butylbenzene	11.77	119	459113	52.045	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	484081	51.758	ug/l	99
85) sec-Butylbenzene	11.94	105	547089	52.000	ug/l	100
86) p-Isopropyltoluene	12.06	119	495841	51.261	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	242656	50.186	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	239222	48.807	ug/l	100
89) n-Butylbenzene	12.38	91	458095	50.852	ug/l	100
90) Hexachloroethane	12.60	117	85745	53.739	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	237012	49.641	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	45004	49.407	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	166958	48.442	ug/l	99

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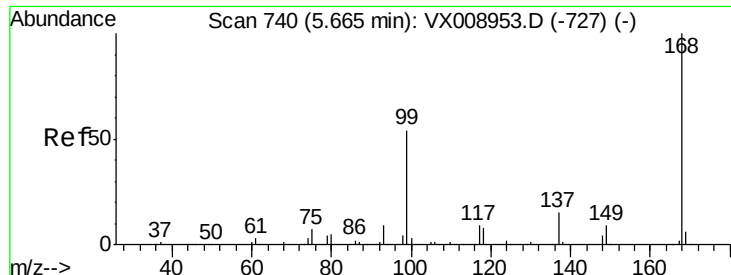
Manual Integrations
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MMDadoda
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	82965	48.264	ug/l	99
95) Naphthalene	13.83	128	547662	49.597	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	166294	48.901	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MS

Tot Ion:168 Resp: 217326

Ion Ratio Lower Upper

168 100

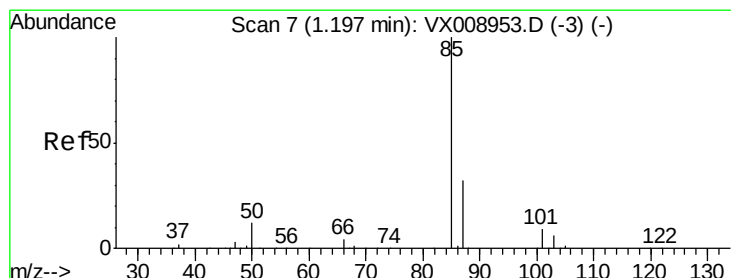
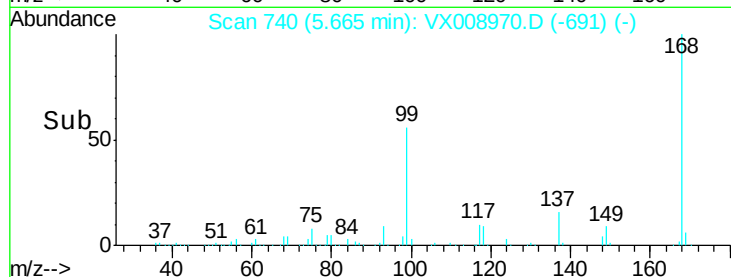
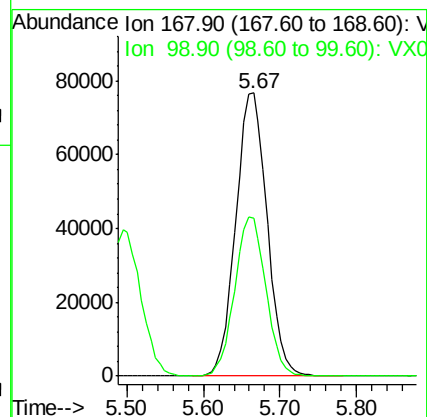
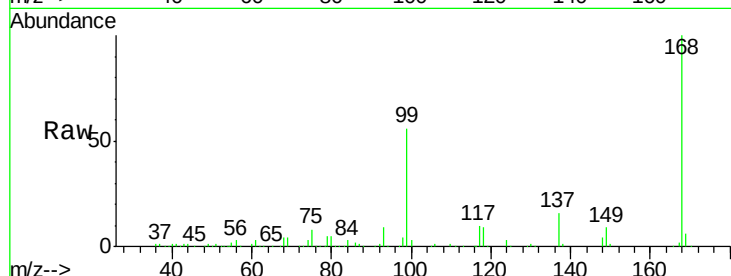
99 55.6 43.0 64.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 53.695 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008970.D

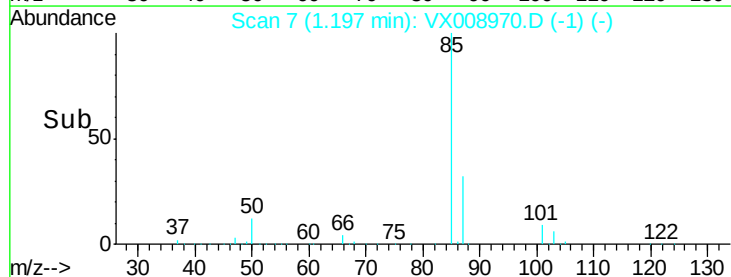
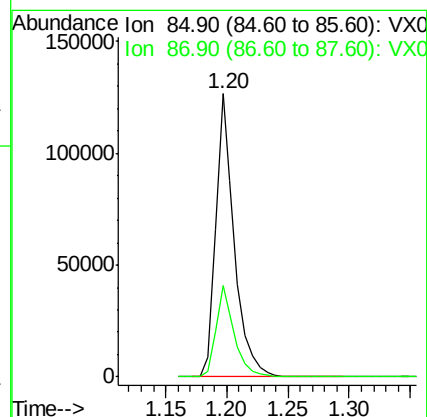
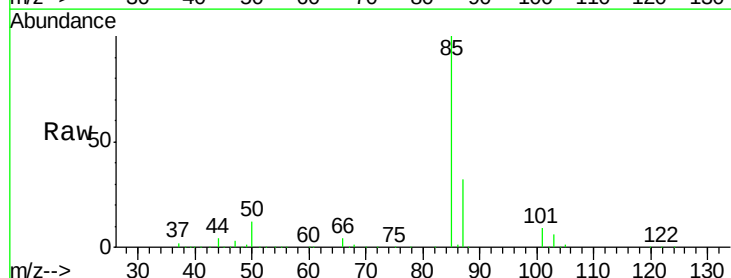
Acq: 15 Apr 2019 19:05

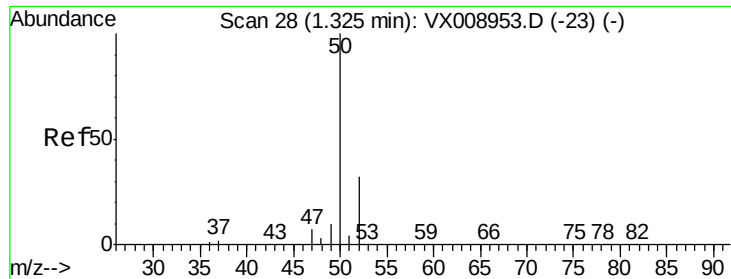
Tgt Ion: 85 Resp: 134408

Ion Ratio Lower Upper

85 100

87 32.2 16.0 47.9





#3

Chloromethane

Concen: 51.430 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MS

Tot Ion: 50 Resp: 158049

Ion Ratio Lower Upper

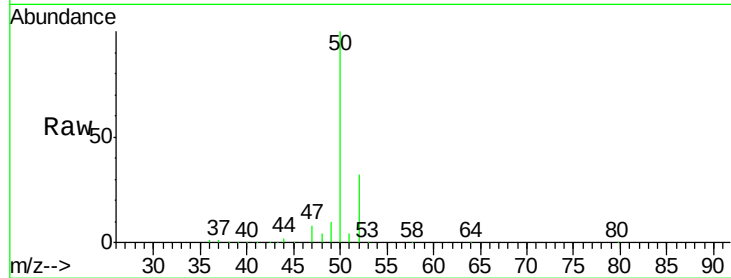
50 100

52 31.8 25.5 38.3

Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

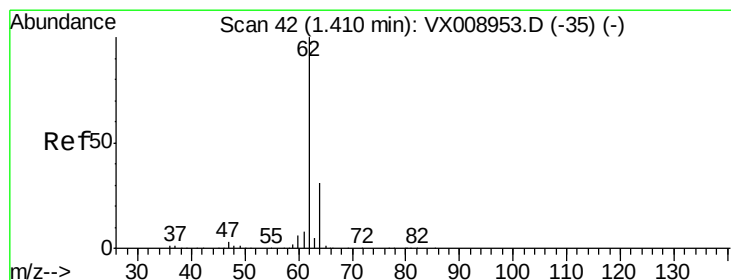
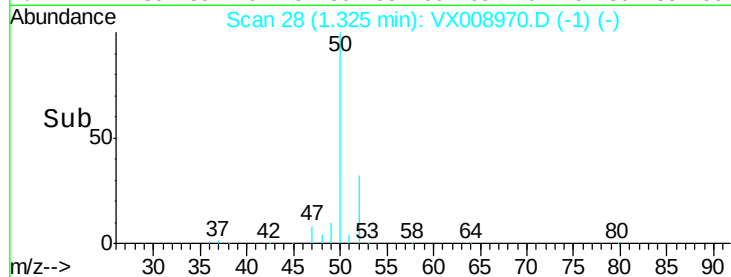
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 51.617 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008970.D

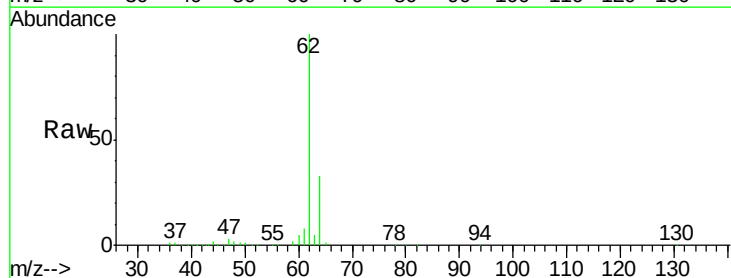
Acq: 15 Apr 2019 19:05

Tgt Ion: 62 Resp: 154389

Ion Ratio Lower Upper

62 100

64 32.6 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

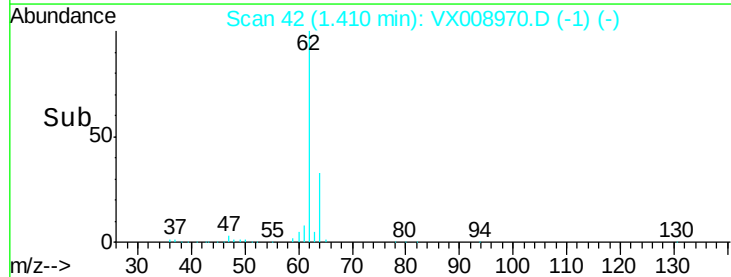
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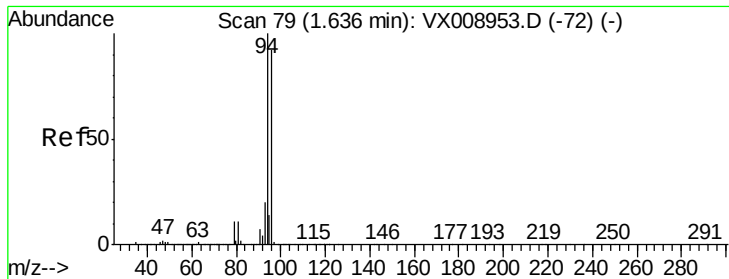
100000

50000

0

Time-->





#5

Bromomethane

Concen: 46.178 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MS

Tot Ion: 94 Resp: 85894

Ion Ratio Lower Upper

94 100

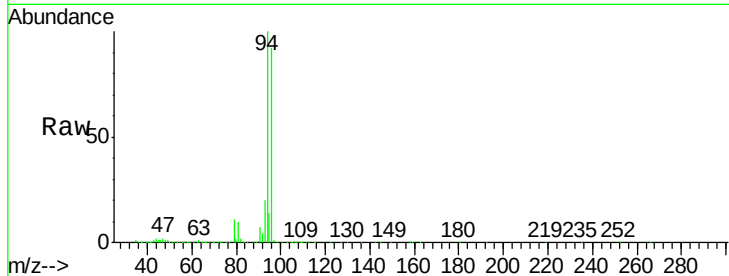
96 91.8 73.9 110.9

Manual Integrations

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4/16/2019 10:53:34 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

100000

80000

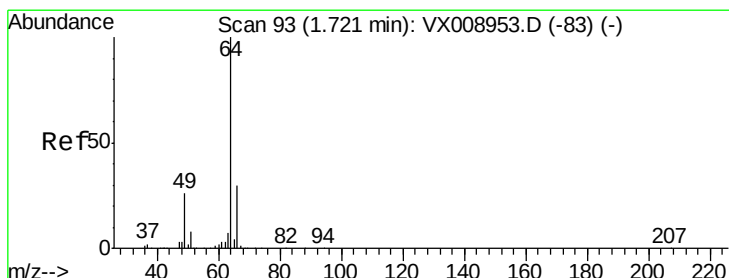
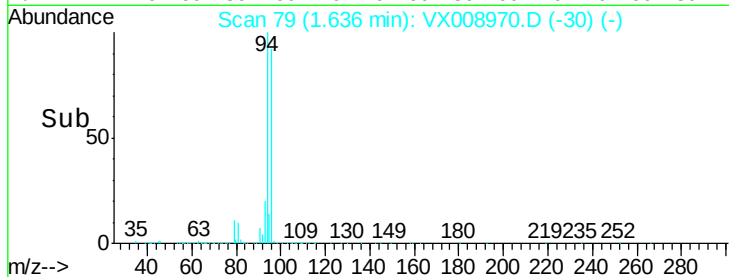
60000

40000

20000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 51.989 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX008970.D

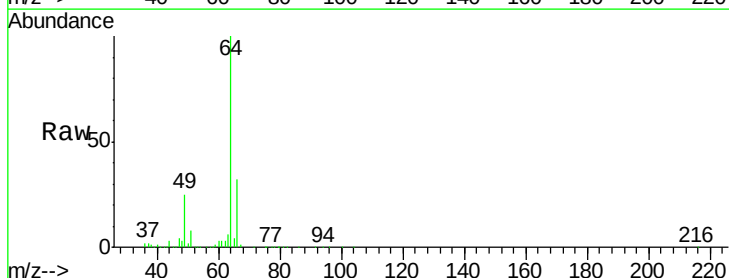
Acq: 15 Apr 2019 19:05

Tgt Ion: 64 Resp: 91440

Ion Ratio Lower Upper

64 100

66 32.2 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

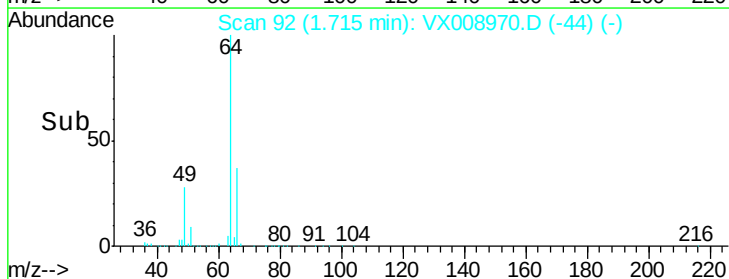
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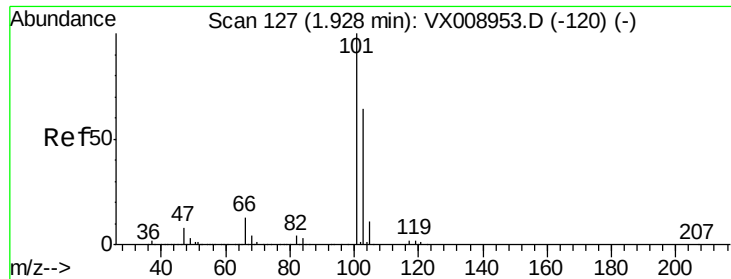
40000

20000

0

Time--> 1.60 1.70 1.80





#7

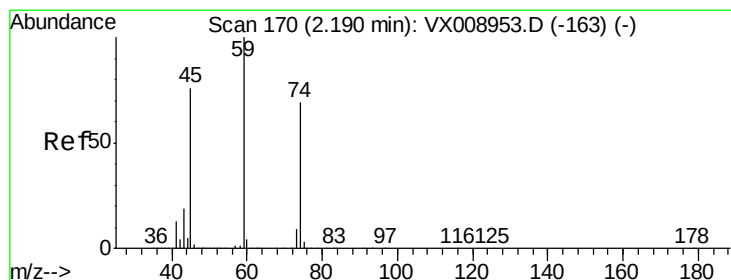
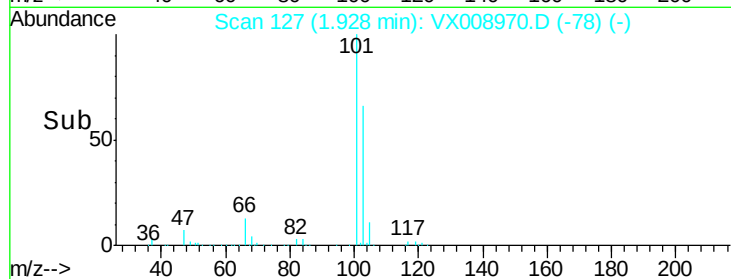
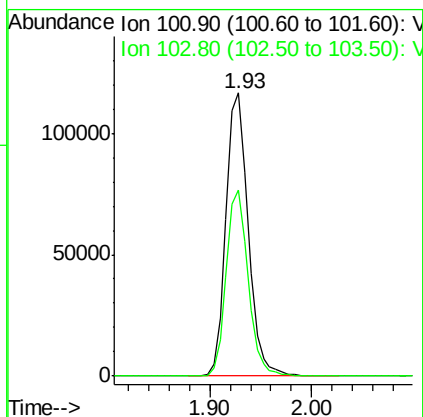
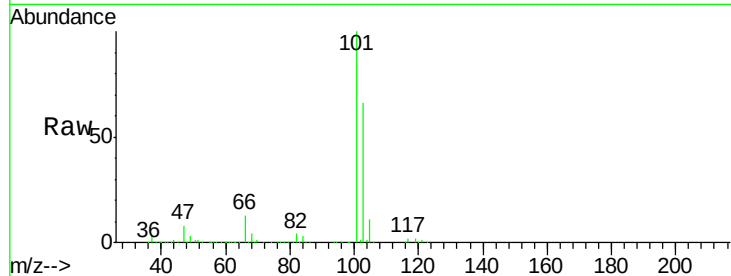
Trichlorofluoromethane
Concen: 50.452 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX008970.D
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M-16-190410MS

Tot Ion	Ratio	Resp	Lower	Upper
101	100	176189		
103	65.9	51.0	76.6	

Manual Integrations
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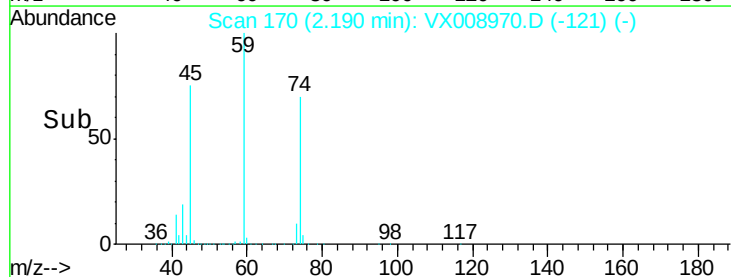
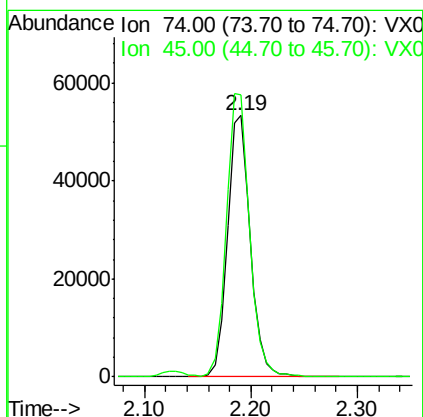
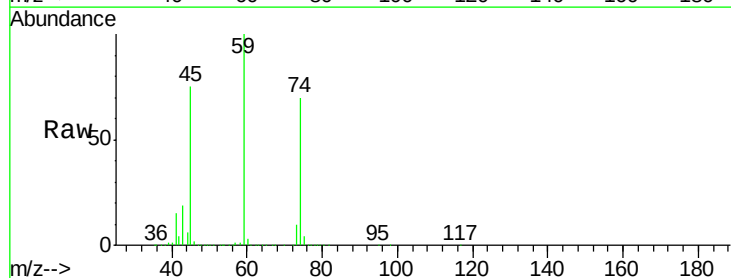
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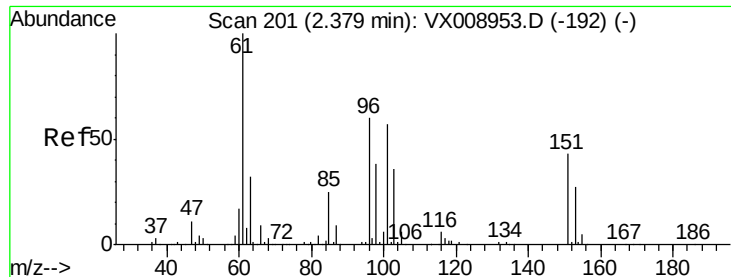


#8

Diethyl Ether
Concen: 50.251 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX008970.D
Acq: 15 Apr 2019 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	80255		
45	109.7	54.9	164.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.420 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MS

Tot Ion:101 Resp: 110346

Ion Ratio Lower Upper

101 100

85 44.3 35.7 53.5

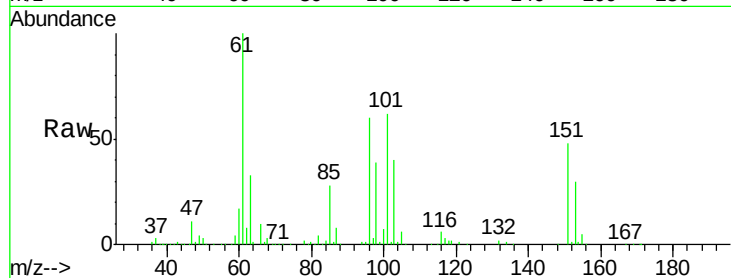
151 77.9 62.7 94.1

Manual Integrations

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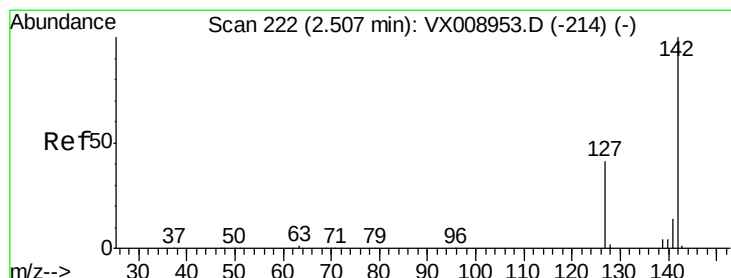
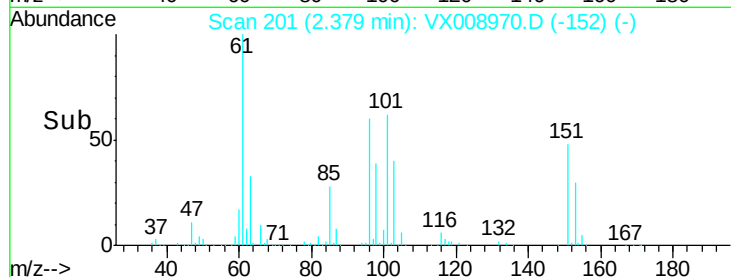
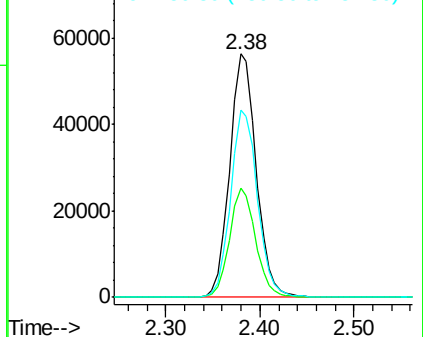
4/16/2019 10:53:34 AM



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: 51.139 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

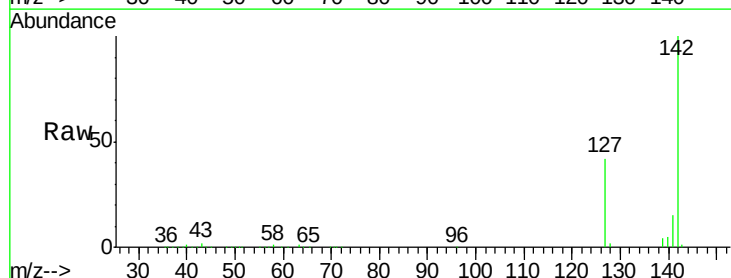
Tgt Ion:142 Resp: 125113

Ion Ratio Lower Upper

142 100

127 42.1 32.8 49.2

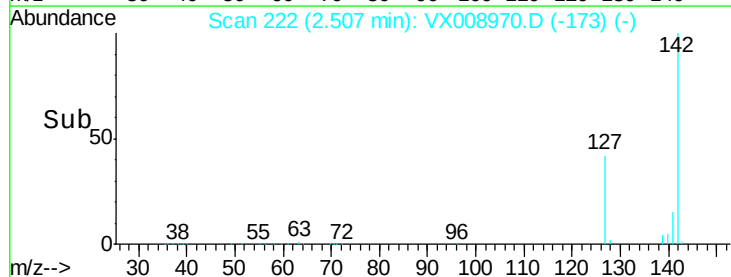
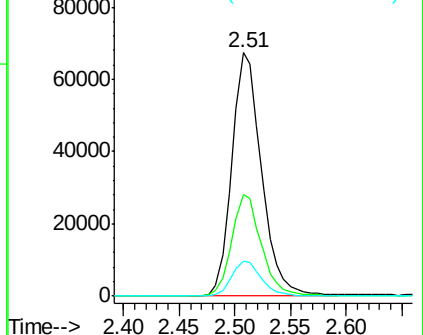
141 14.6 11.4 17.2

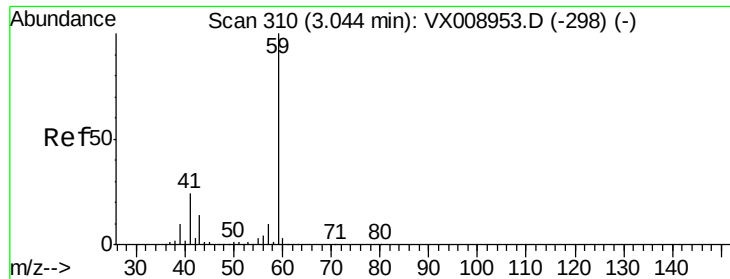


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

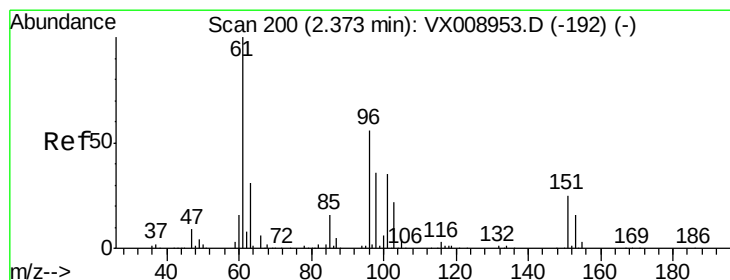
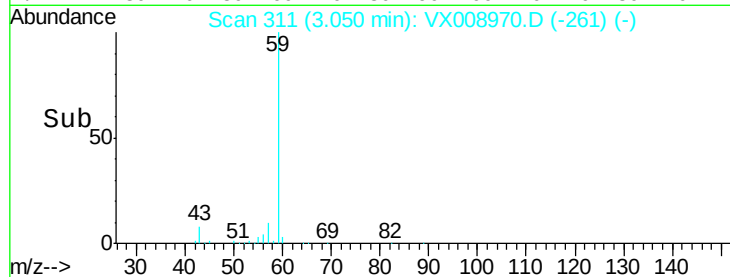
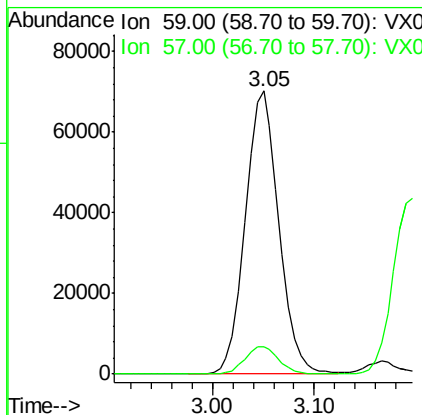
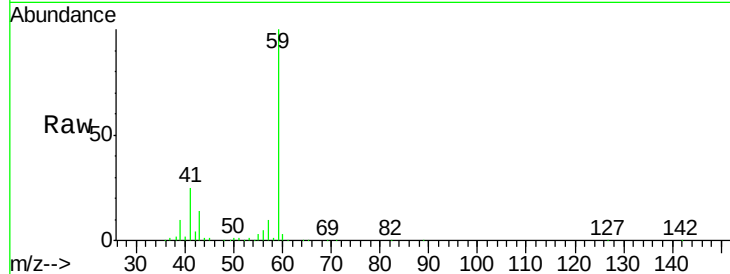
Tert butyl alcohol
 Concen: 236.109 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. 0.01 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MS

Tot Ion	Ratio	Resp	Lower	Upper
59	100	160518		
57	10.0		8.4	12.6

Manual Integrations
 APPROVED

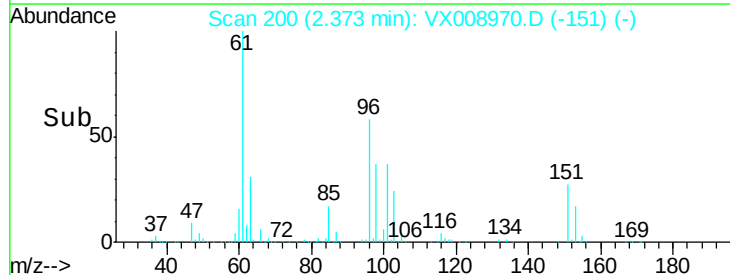
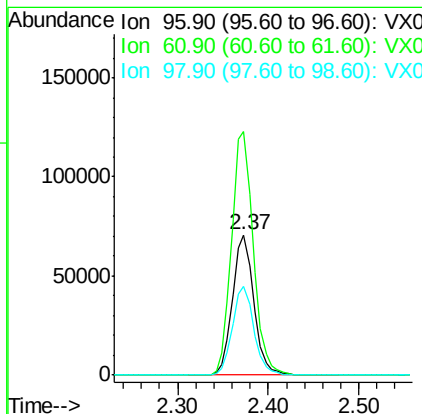
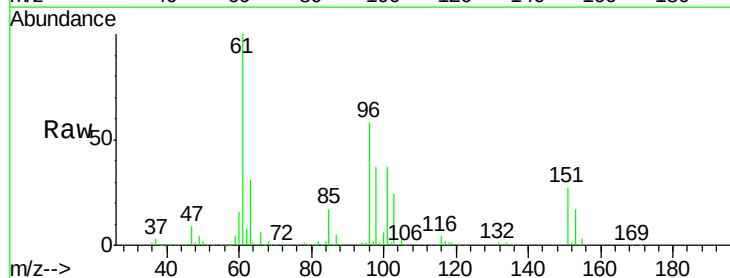
MMDadoda
 4/16/2019 10:53:34 AM

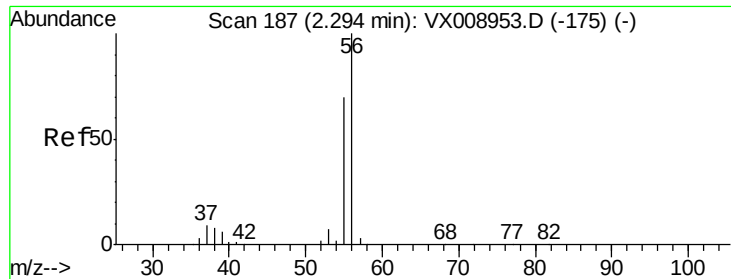


#12

1,1-Dichloroethene
 Concen: 49.413 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	115161		
61	173.7		142.2	213.2
98	63.5		50.9	76.3





#13

Acrolein

Concen: 245.391 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MS

Tot Ion: 56 Resp: 144146

Ion Ratio Lower Upper

56 100

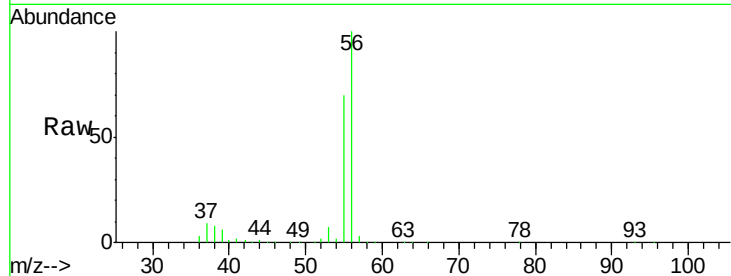
55 70.9 56.6 84.8

Manual Integrations

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4/16/2019 10:53:34 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

100000

80000

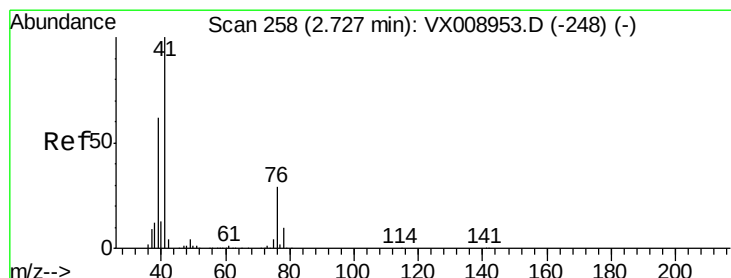
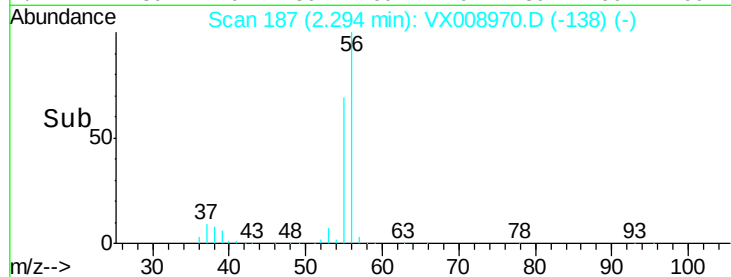
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 51.427 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

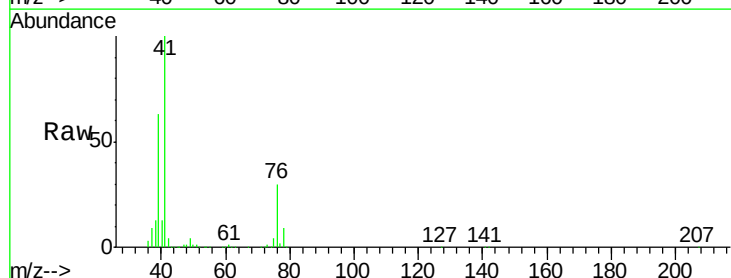
Tgt Ion: 41 Resp: 261486

Ion Ratio Lower Upper

41 100

39 59.3 46.7 70.1

76 27.4 22.0 33.0



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

2.73

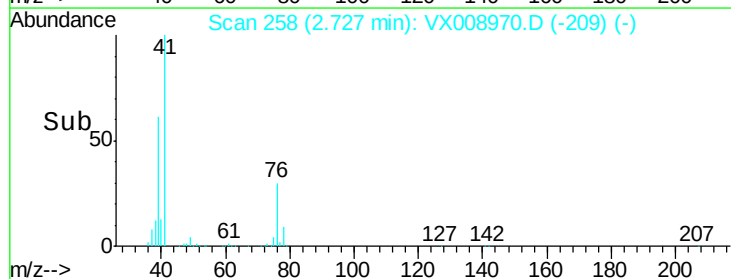
150000

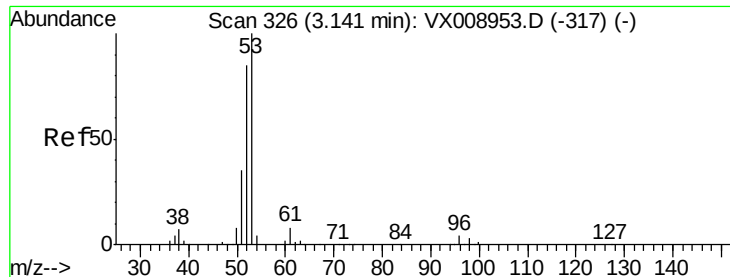
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 253.416 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

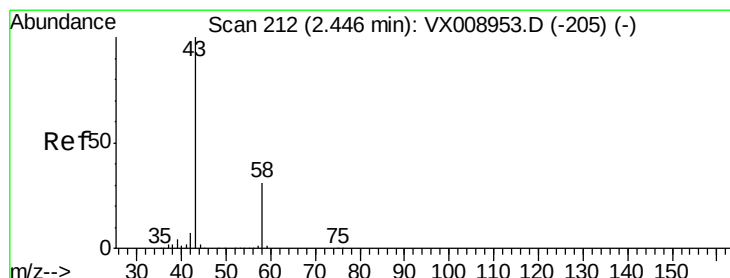
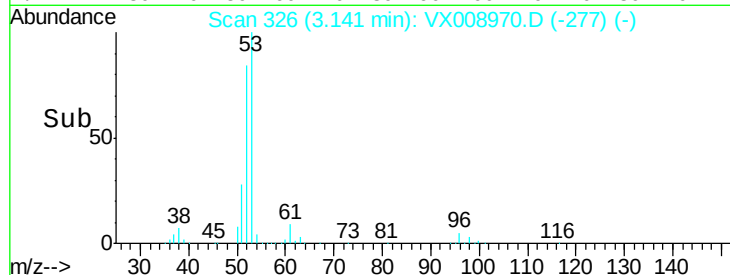
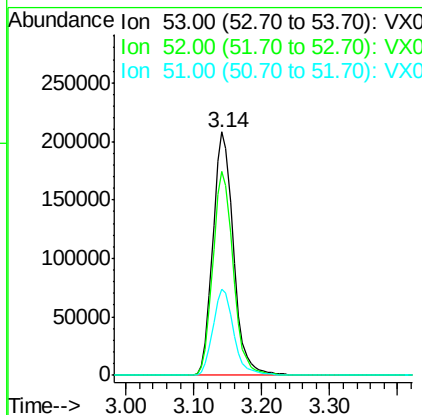
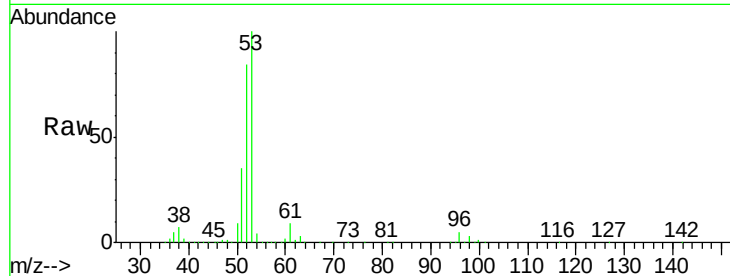
ClientSampleId :

M-16-190410MS

Tot Ion:	53	Resp:	437339
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.6	100.0
51	35.6	28.3	42.5

Manual Integrations
APPROVED

MMDadoda
4/16/2019 10:53:34 AM



#16

Acetone

Concen: 227.824 ug/l

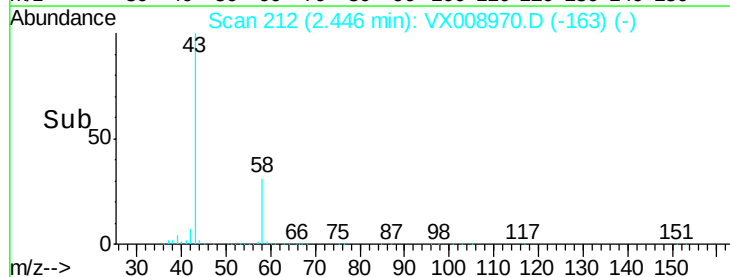
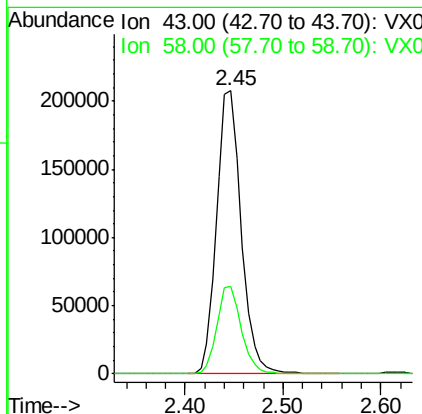
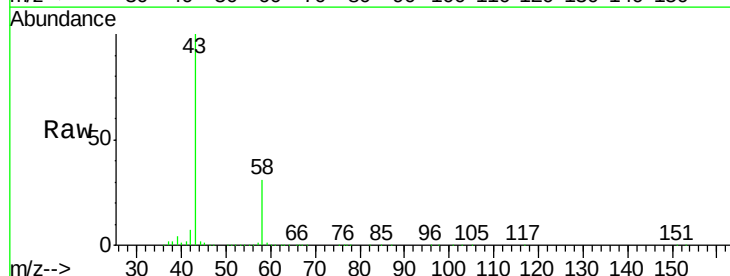
RT: 2.45 min Scan# 212

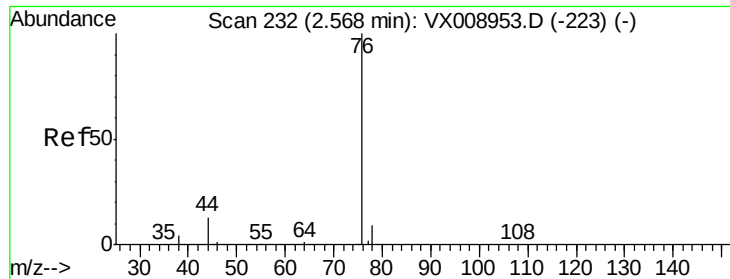
Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Tgt Ion:	43	Resp:	361846
Ion	Ratio	Lower	Upper
43	100		
58	30.9	24.8	37.2





#17

Carbon Disulfide

Concen: 49.616 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MS

Tot Ion: 76 Resp: 339727

Ion Ratio Lower Upper

76 100

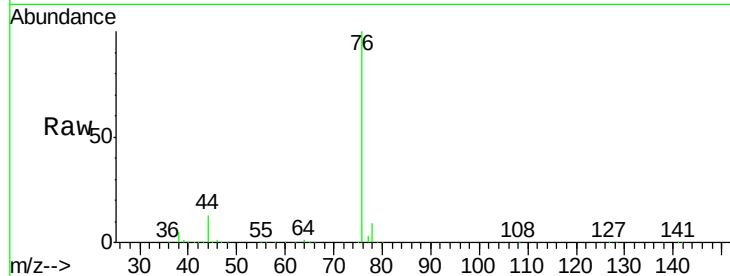
78 8.8 7.2 10.8

Manual Integrations

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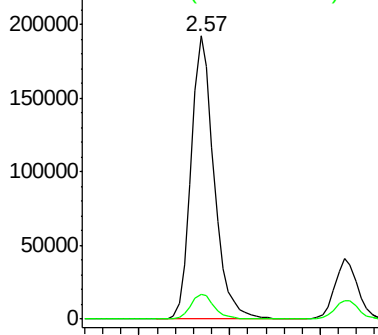
MMDadoda

4/16/2019 10:53:34 AM

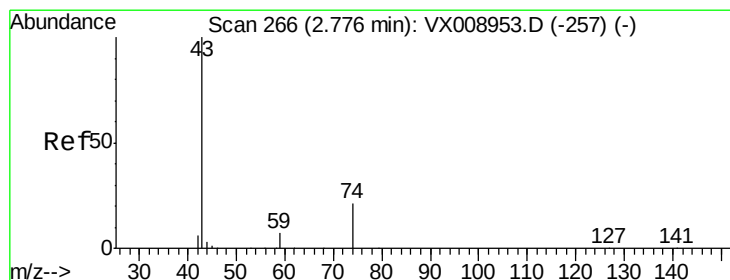
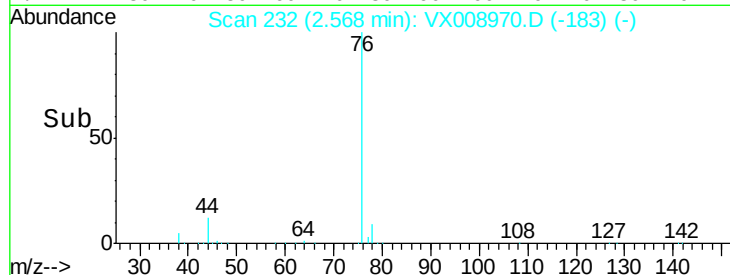


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#18

Methyl Acetate

Concen: 47.926 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX008970.D

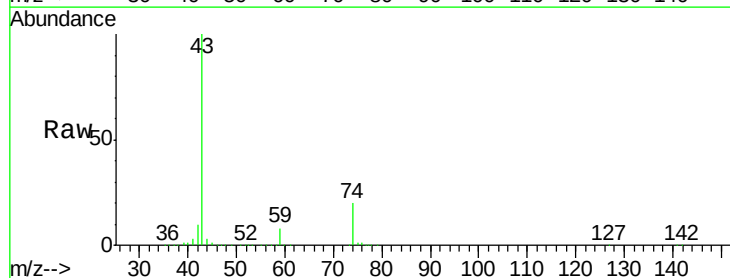
Acq: 15 Apr 2019 19:05

Tgt Ion: 43 Resp: 189976

Ion Ratio Lower Upper

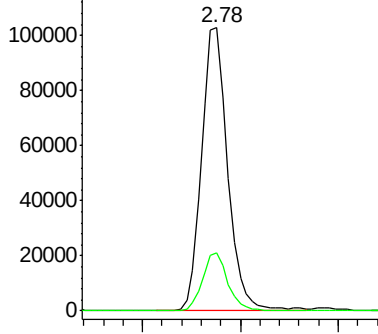
43 100

74 20.5 16.6 25.0

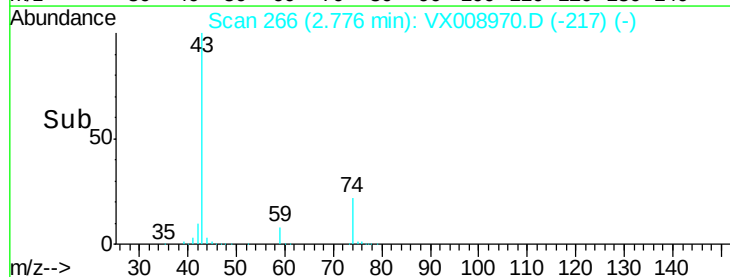


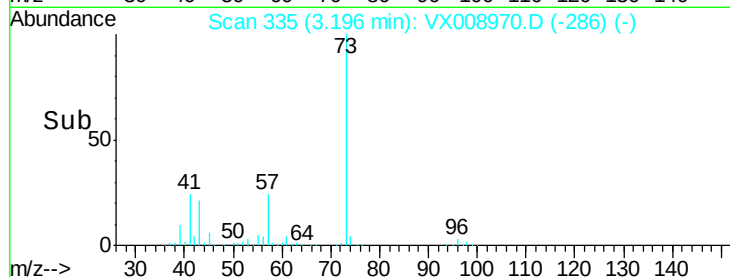
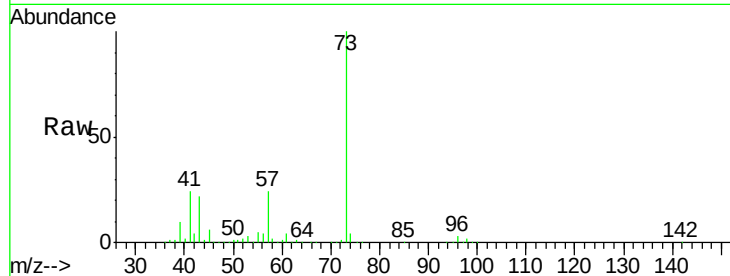
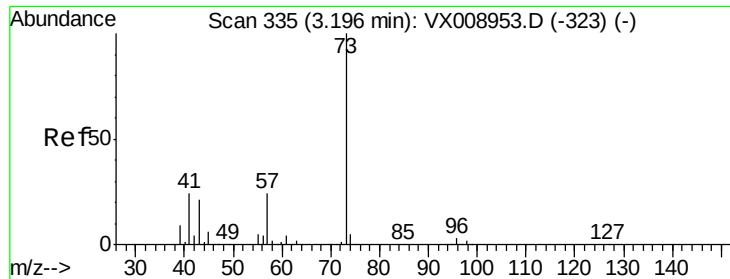
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



Time-->





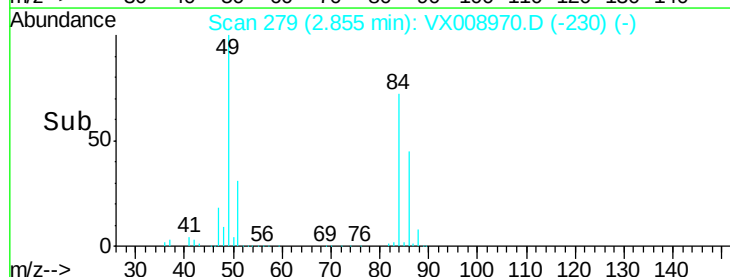
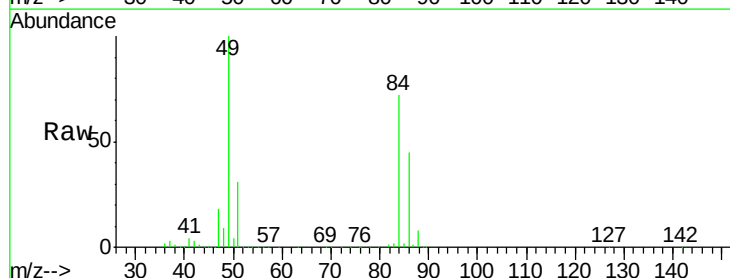
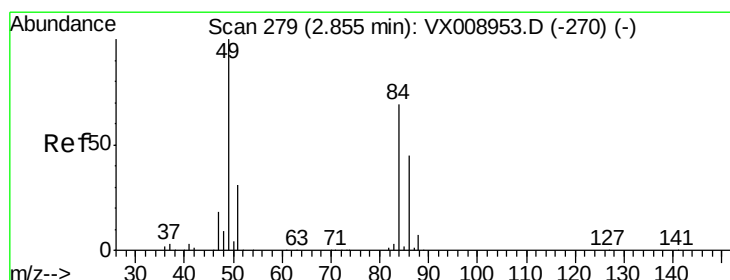
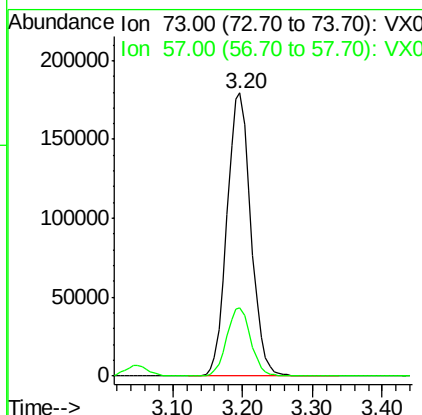
#19
Methyl tert-butyl Ether
Concen: 51.181 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX008970.D
Acq: 15 Apr 2019 19:05

Tot Ion	73	Resp	425017
Ion Ratio	100	Lower	Upper
73	100		
57	24.3	19.2	28.8

Instrument :
MSVOA_X
ClientSampleId :
M-16-190410MS

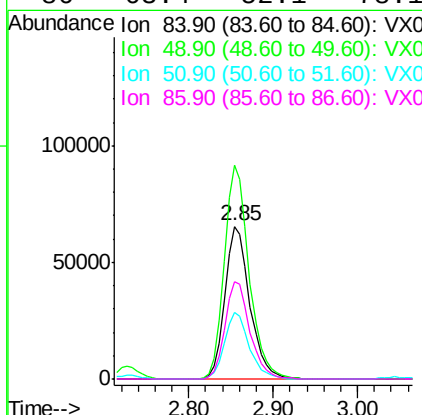
Manual Integrations
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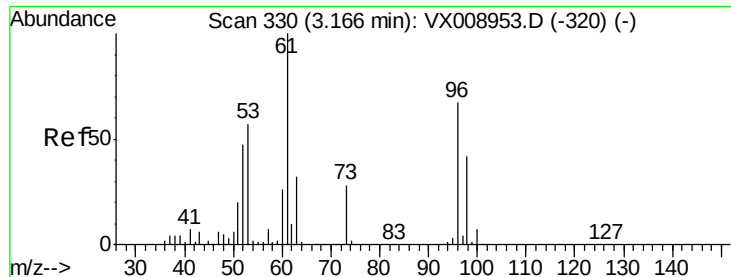
MMDadoda
4/16/2019 10:53:34 AM



#20
Methylene Chloride
Concen: 48.779 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX008970.D
Acq: 15 Apr 2019 19:05

Tgt Ion	84	Resp	132491
Ion Ratio	100	Lower	Upper
84	100		
49	139.6	115.4	173.0
51	43.5	35.8	53.6
86	63.4	52.1	78.1





#21

trans-1,2-Dichloroethene

Concen: 49.307 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MS

Tot Ion: 96 Resp: 122568

Ion Ratio Lower Upper

96 100

61 156.9 120.3 180.5

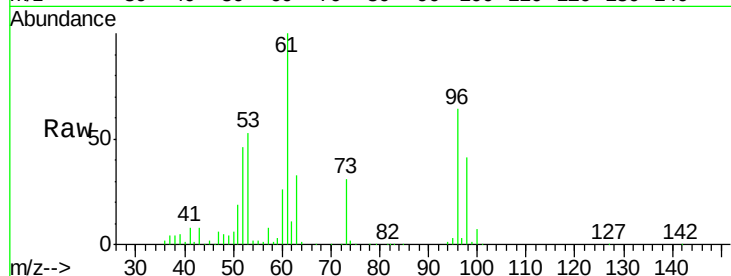
98 64.4 50.2 75.2

Manual Integrations

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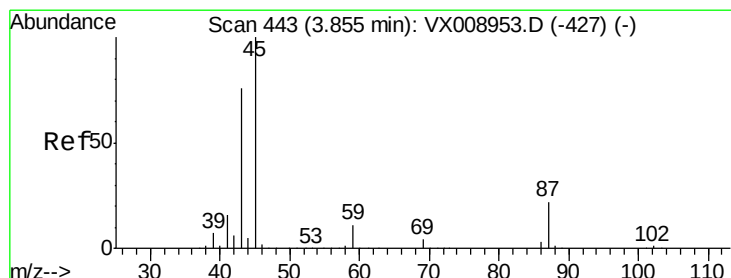
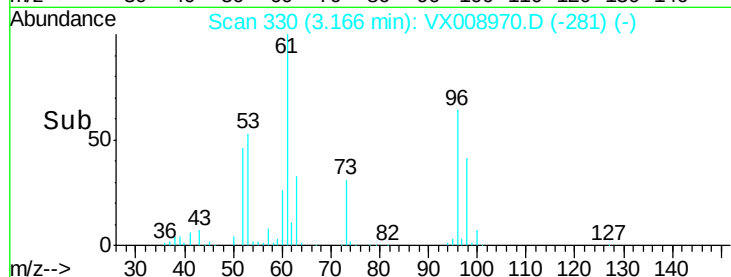
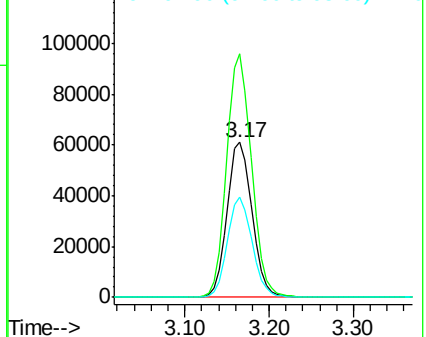


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 51.815 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Tgt Ion: 45 Resp: 511943

Ion Ratio Lower Upper

45 100

43 72.6 60.6 91.0

87 22.3 17.8 26.8

59 11.0 8.7 13.1

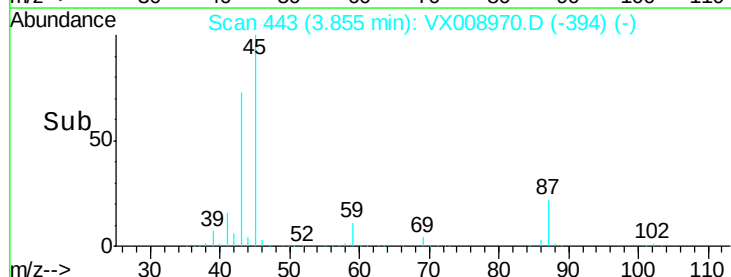
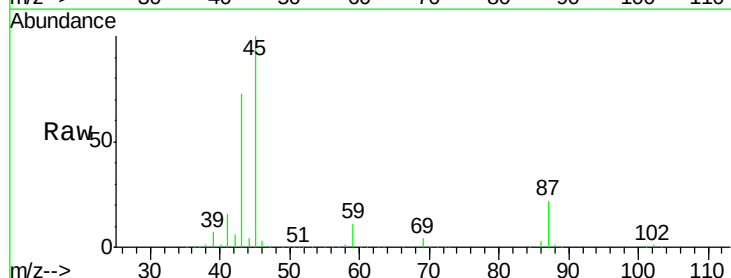
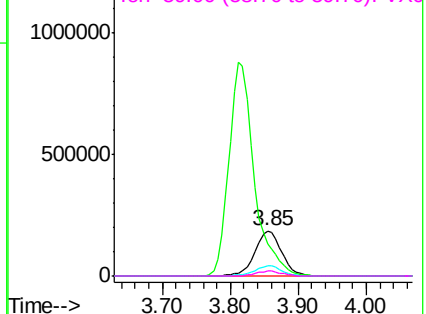
Abundance

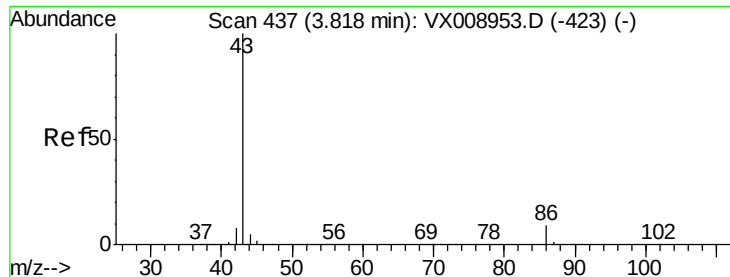
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 261.889 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MS

Tot Ion: 43 Resp: 2274541

Ion Ratio Lower Upper

43 100

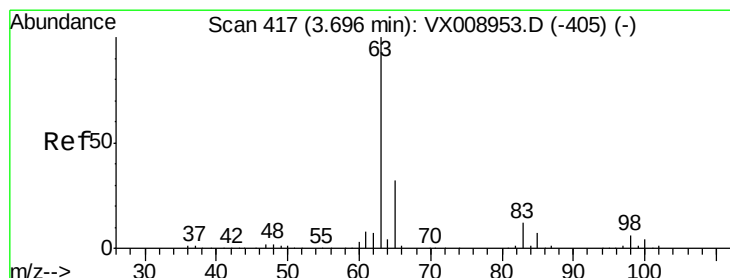
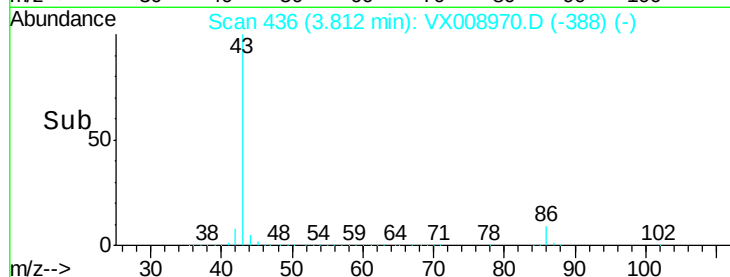
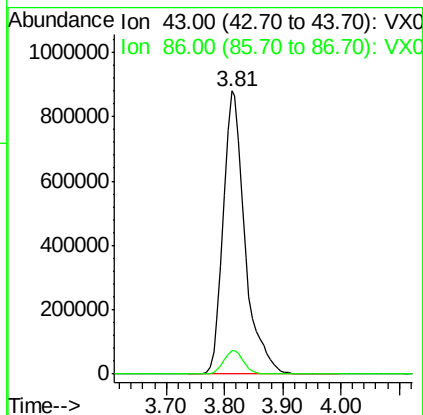
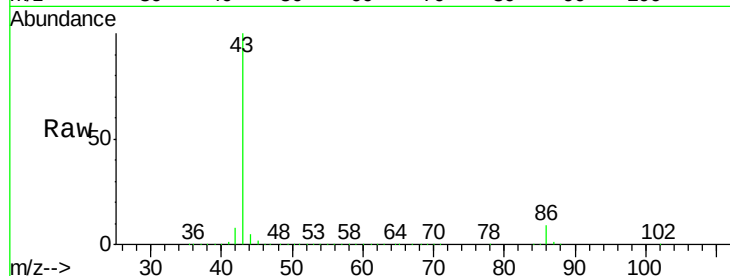
86 8.5 7.1 10.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.797 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

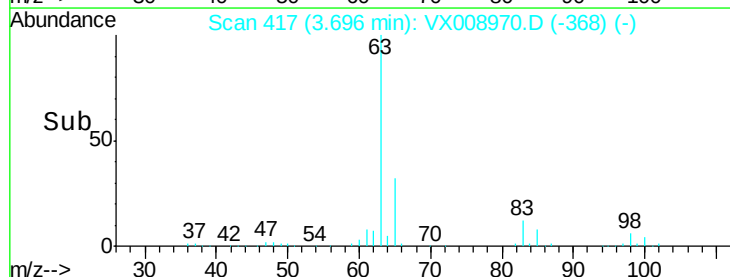
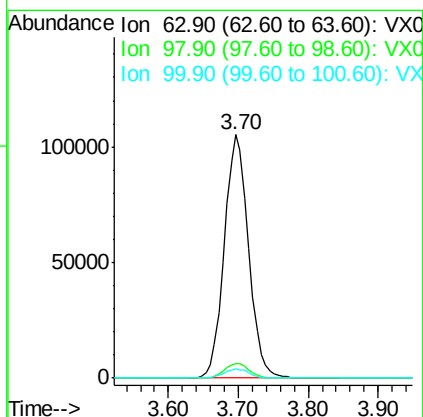
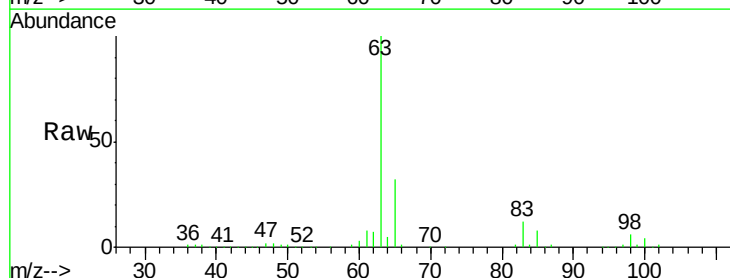
Tgt Ion: 63 Resp: 251941

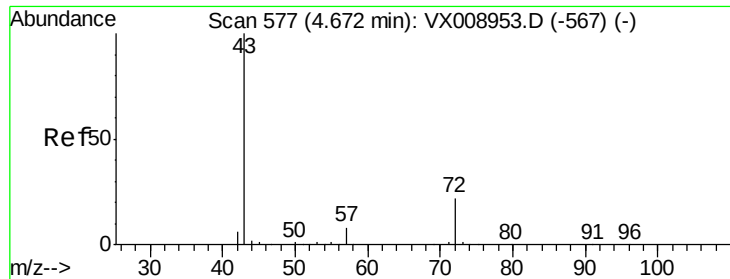
Ion Ratio Lower Upper

63 100

98 6.0 3.1 9.3

100 4.0 1.9 5.7





#25

2-Butanone

Concen: 251.378 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MS

Tot Ion: 43 Resp: 638183

Ion Ratio Lower Upper

43 100

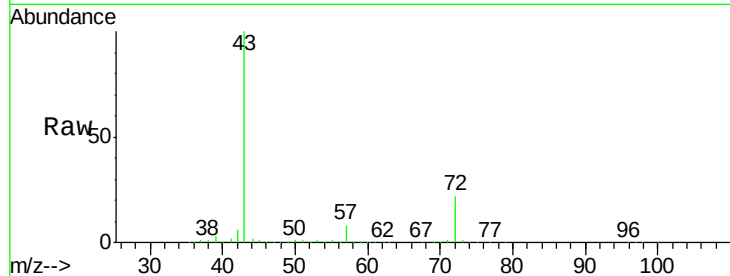
72 22.4 17.5 26.3

Manual Integrations

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MMDadoda

4/16/2019 10:53:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

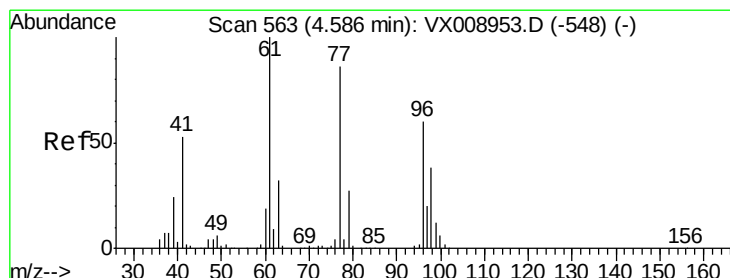
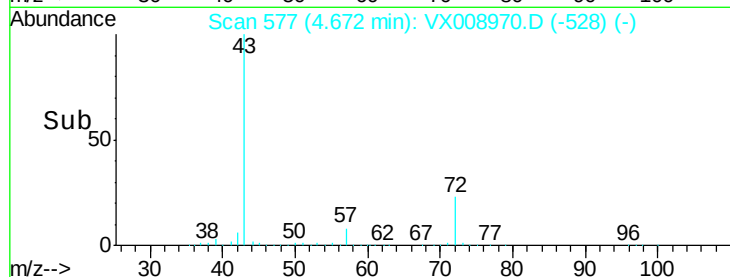
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 46.923 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX008970.D

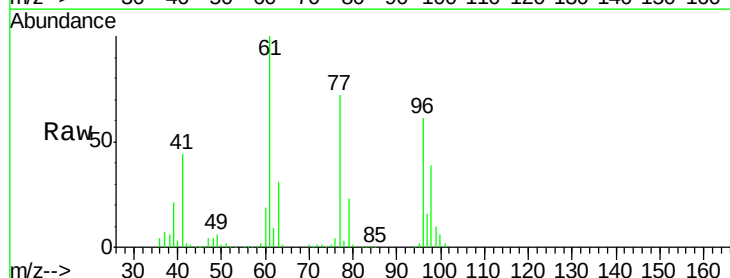
Acq: 15 Apr 2019 19:05

Tgt Ion: 77 Resp: 174448

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

50000

40000

30000

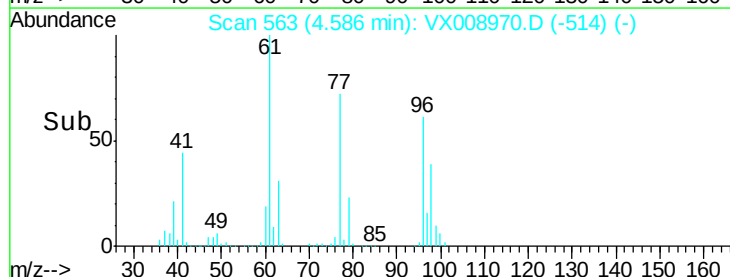
20000

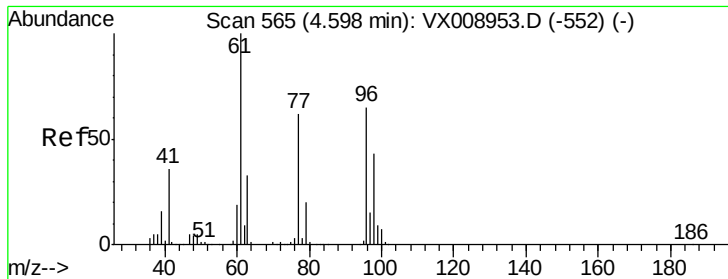
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

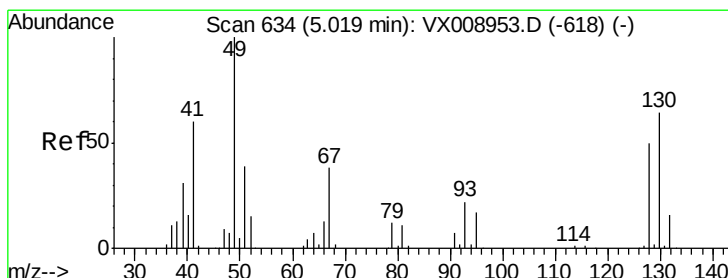
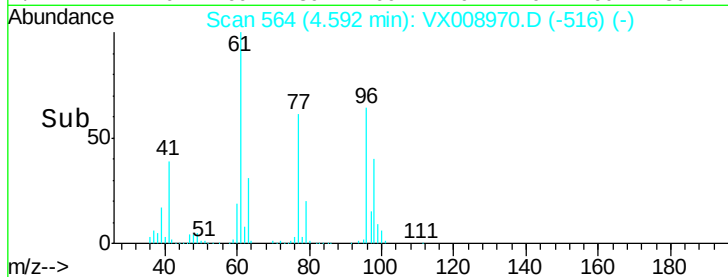
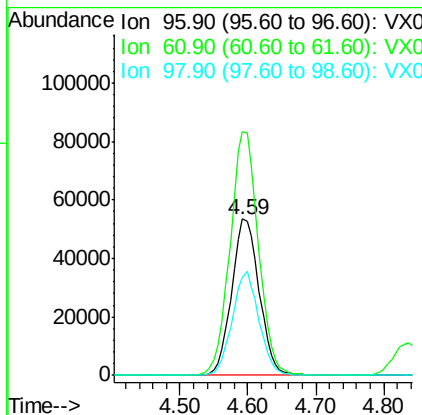
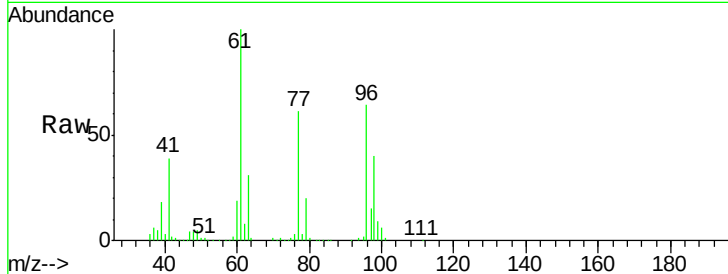
cis-1,2-Dichloroethene
 Concen: 53.229 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	160.1	0.0	322.0	
98	64.2	0.0	128.4	

Manual Integrations
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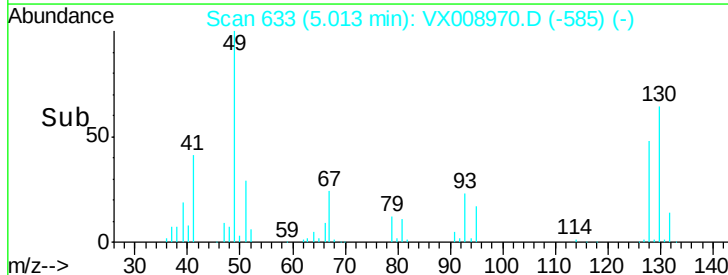
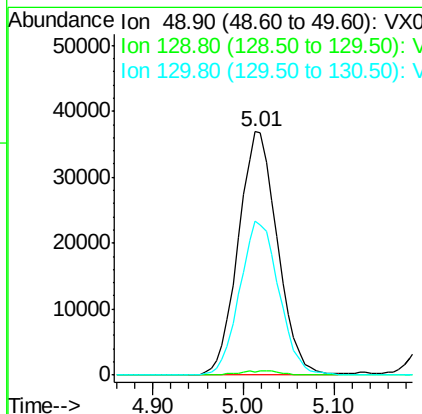
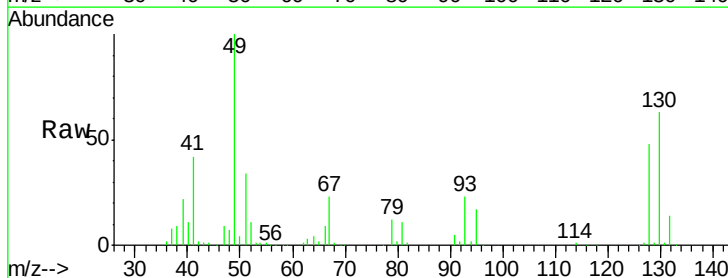
MMDadoda
 4/16/2019 10:53:34 AM

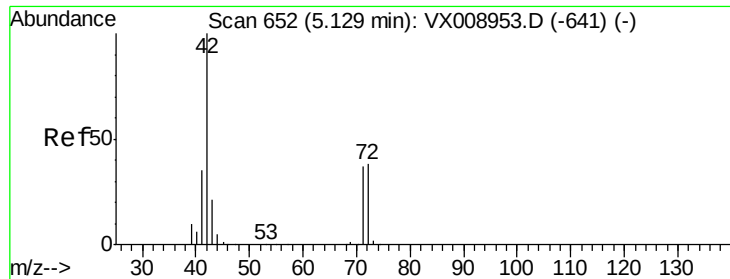


#28

Bromochloromethane
 Concen: 53.675 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.6	
130	63.5	50.4	75.6	





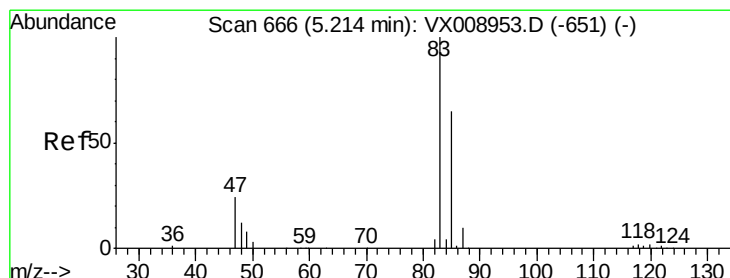
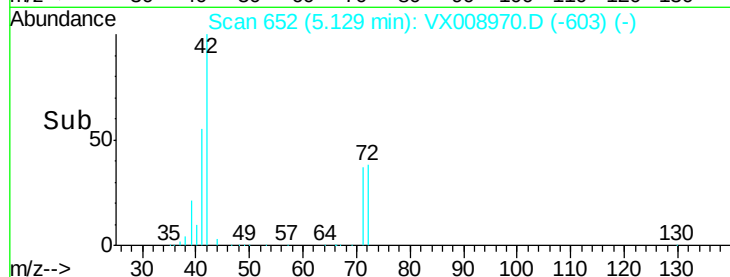
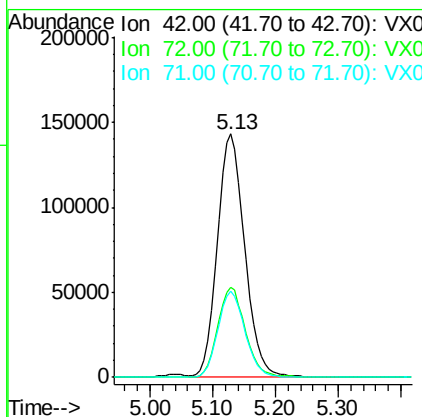
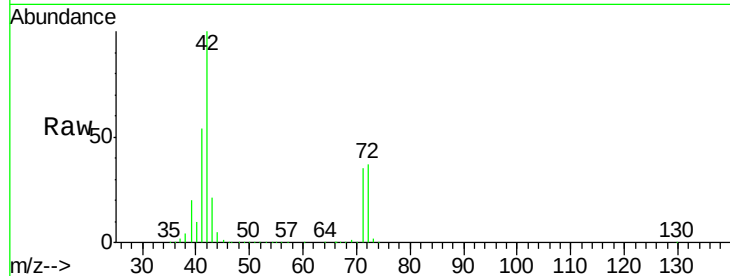
#29
Tetrahydrofuran
Concen: 253.471 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX008970.D
Acq: 15 Apr 2019 19:05

Instrument :
MSVOA_X
ClientSampleId :
M-16-190410MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	30.6	45.8
71	35.3	28.8	43.2

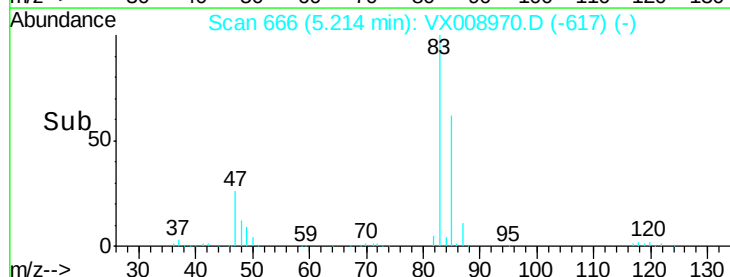
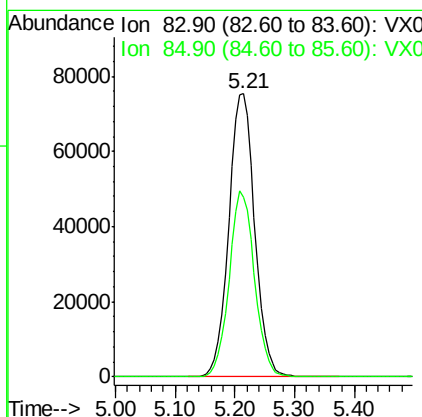
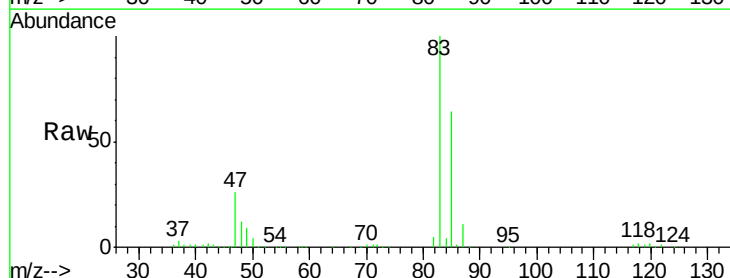
Manual Integrations
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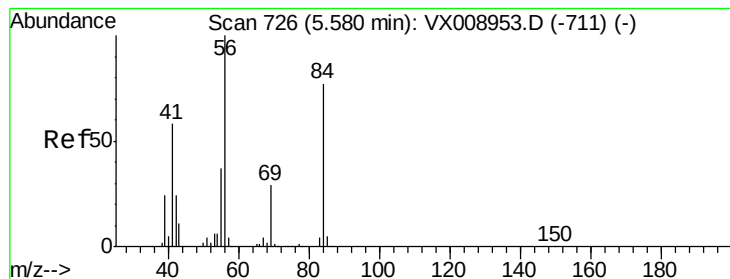
MMDadoda
4/16/2019 10:53:34 AM



#30
Chloroform
Concen: 51.344 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX008970.D
Acq: 15 Apr 2019 19:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.9	77.9





#31

Cyclohexane

Concen: 50.729 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

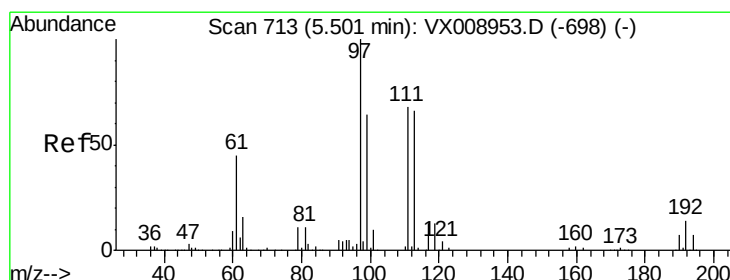
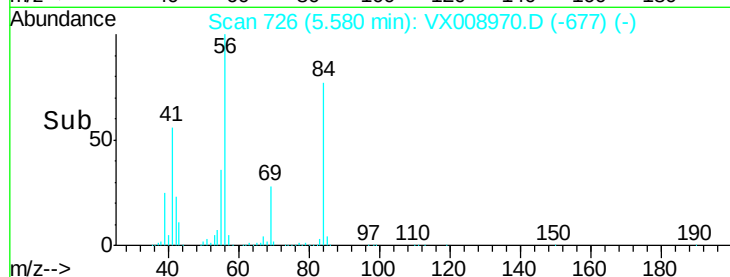
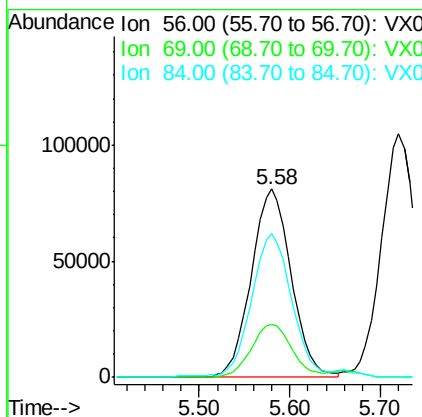
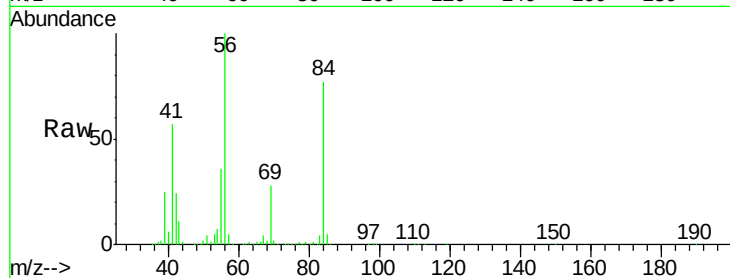
ClientSampleId :

M-16-190410MS

Tot Ion:	56	Resp:	247464
Ion	Ratio	Lower	Upper
56	100		
69	28.1	23.3	34.9
84	75.5	61.7	92.5

Manual Integrations
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4/16/2019 10:53:34 AM



#32

1,1,1-Trichloroethane

Concen: 51.615 ug/l

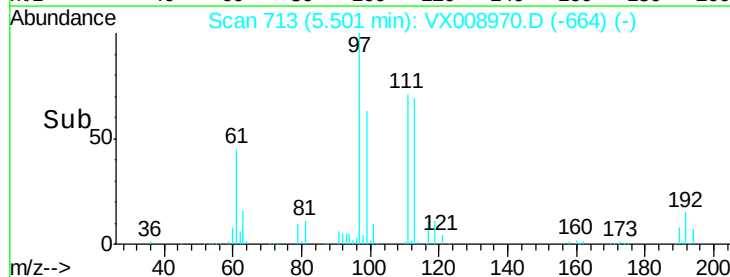
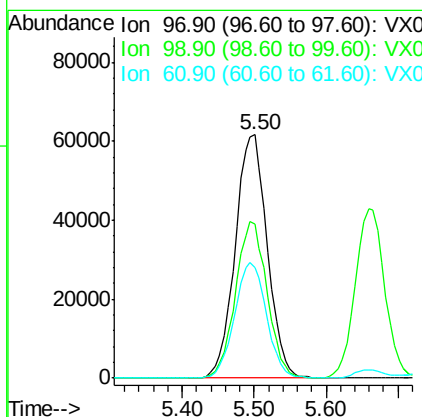
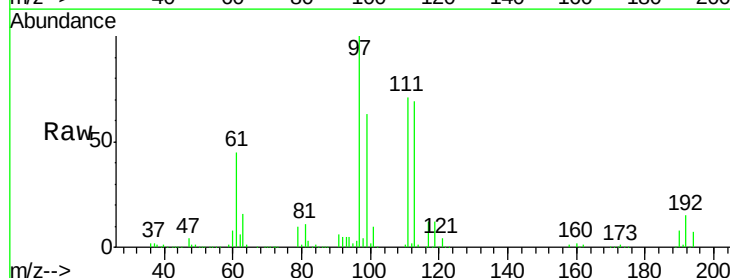
RT: 5.50 min Scan# 713

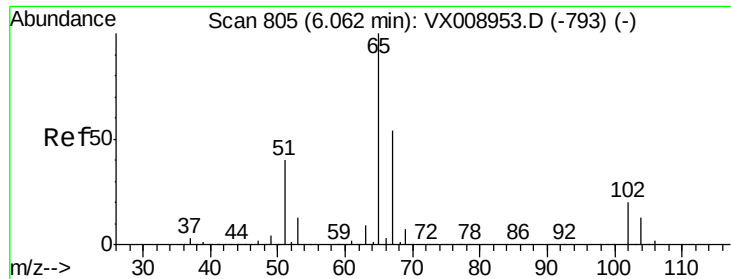
Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Tgt Ion:	97	Resp:	189863
Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.6	77.4
61	47.5	37.9	56.9





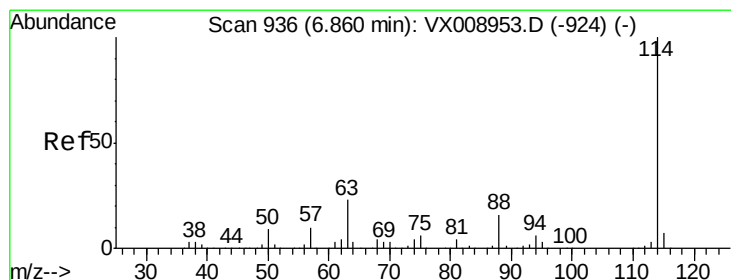
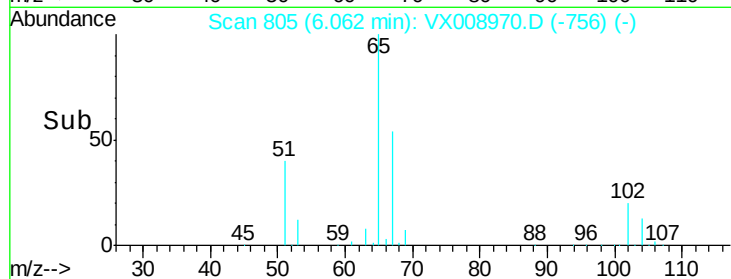
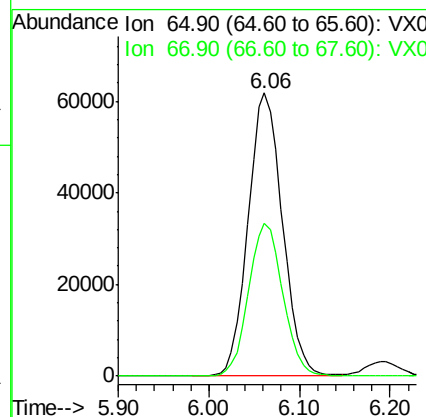
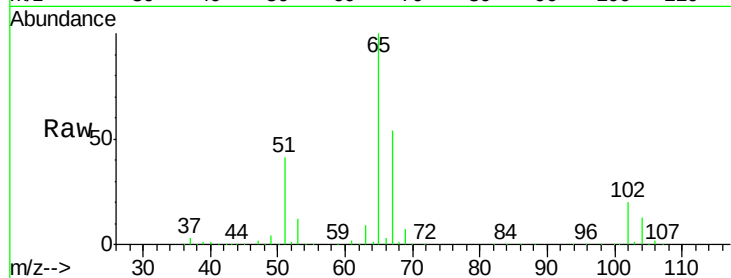
#33
 1,2-Dichloroethane-d4
 Concen: 52.967 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	108.6

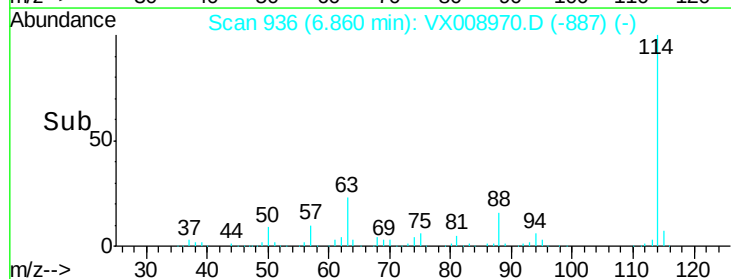
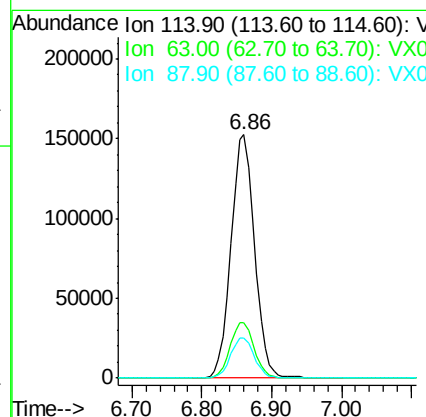
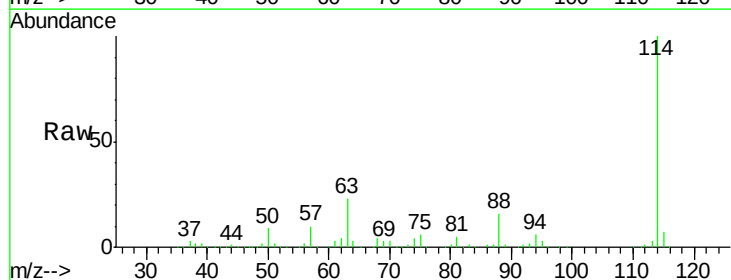
Manual Integrations
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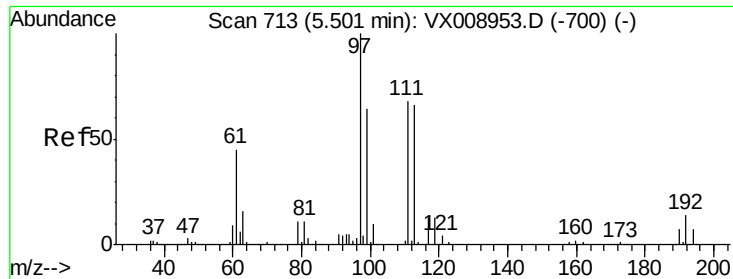
MMDadoda
 4/16/2019 10:53:34 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	46.0
88	16.2	0.0	32.6





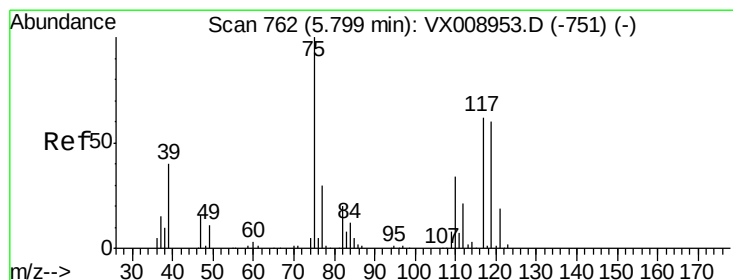
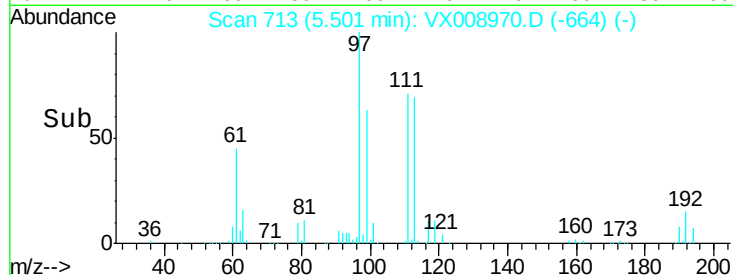
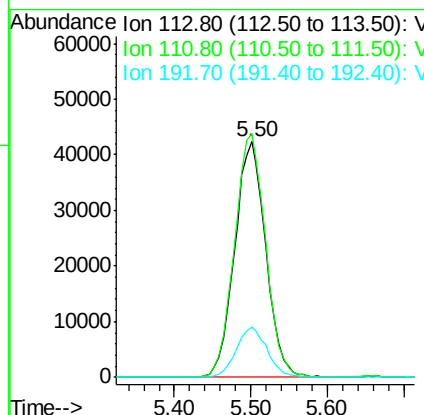
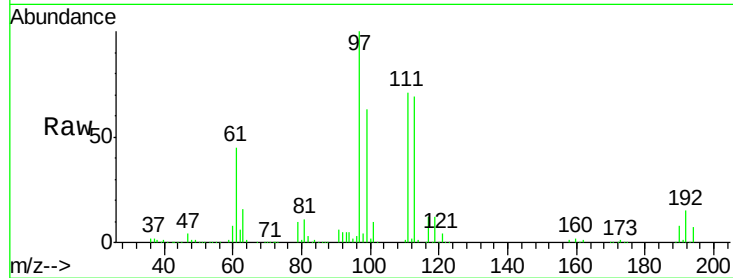
#35
 Dibromofluoromethane
 Concen: 52.013 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	119203		
111	103.4	82.9	124.3	
192	21.1	17.4	26.0	

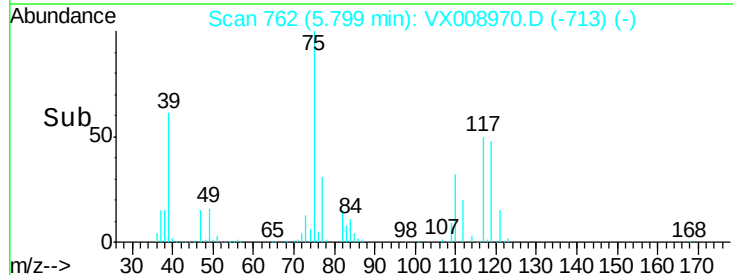
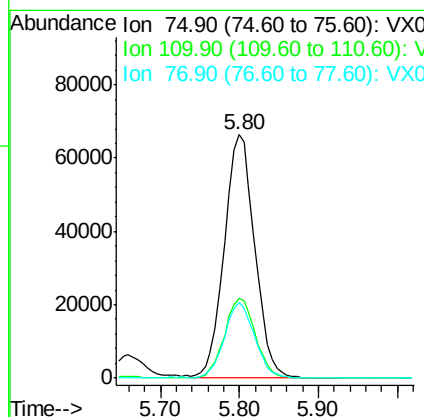
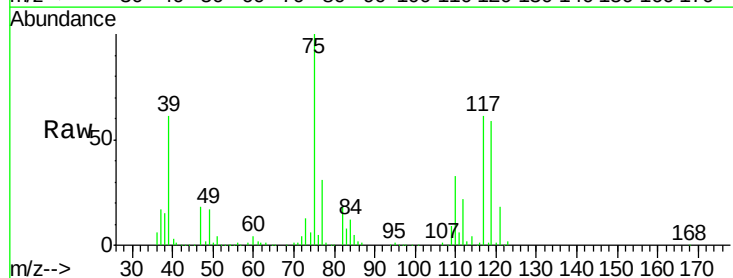
Manual Integrations
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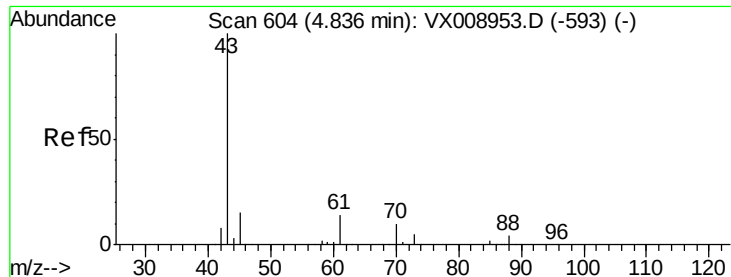
MMDadoda
 4/16/2019 10:53:34 AM



#36
 1,1-Dichloropropene
 Concen: 48.168 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	177897		
110	33.5	16.9	50.7	
77	30.4	25.0	37.4	





#37

Ethyl Acetate

Concen: 51.214 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

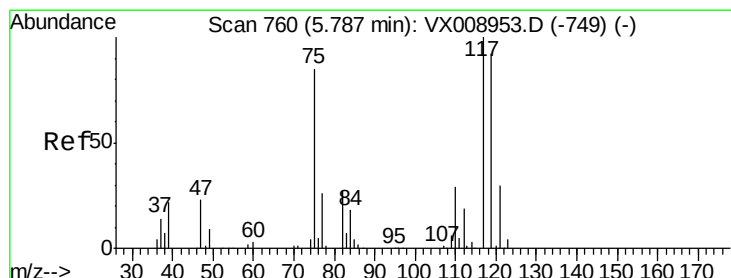
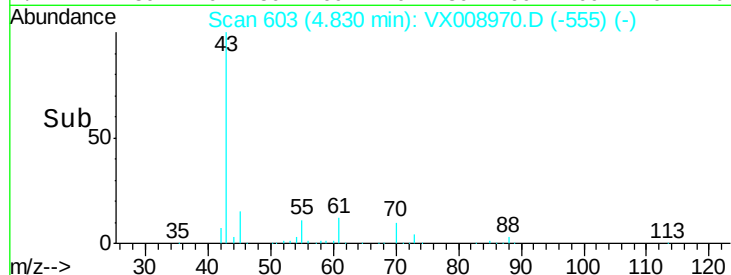
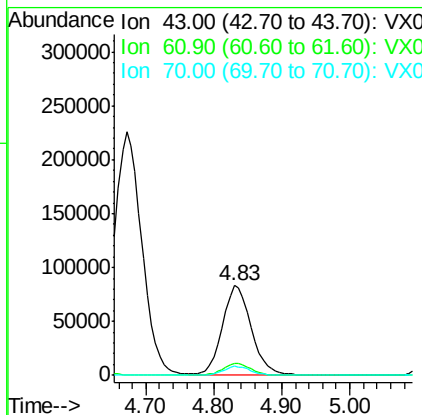
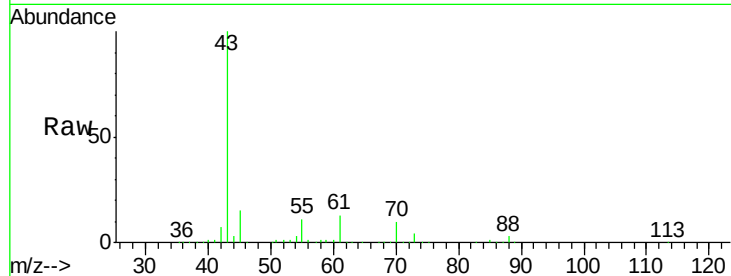
ClientSampleId :

M-16-190410MS

Tot Ion:	43	Resp:	243388
Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.6	15.8
70	9.6	7.7	11.5

Manual Integrations
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MMDadoda
4/16/2019 10:53:34 AM



#38

Carbon Tetrachloride

Concen: 50.804 ug/l

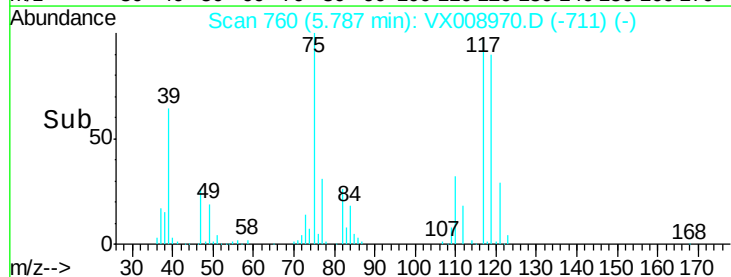
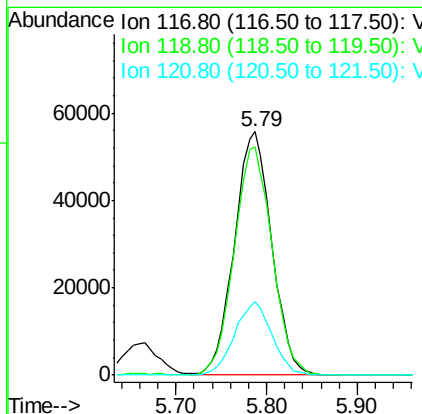
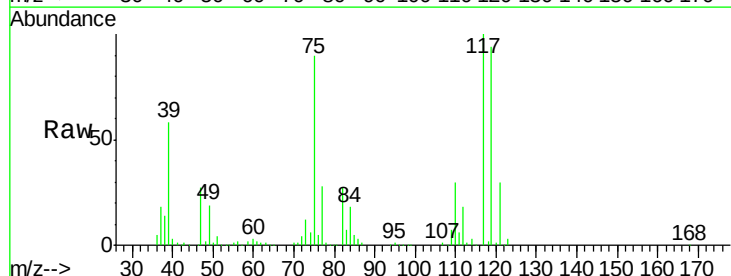
RT: 5.79 min Scan# 760

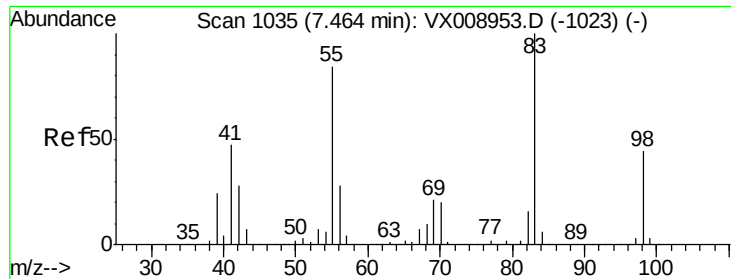
Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Tgt Ion:	117	Resp:	159068
Ion	Ratio	Lower	Upper
117	100		
119	93.7	73.8	110.8
121	30.1	23.6	35.4





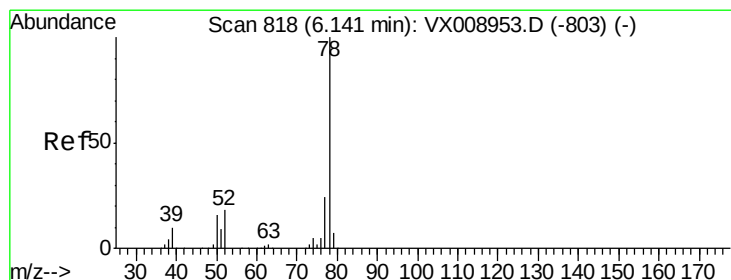
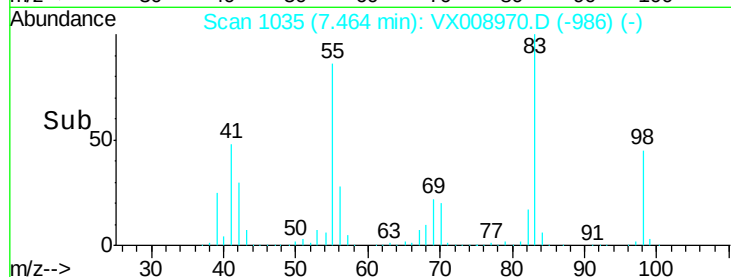
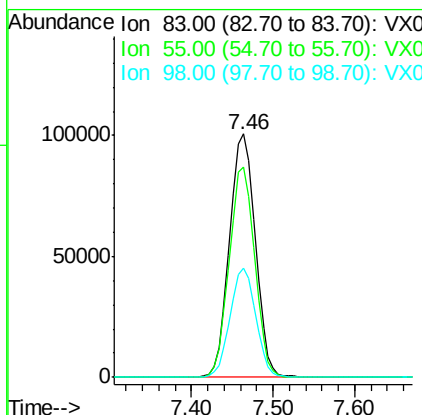
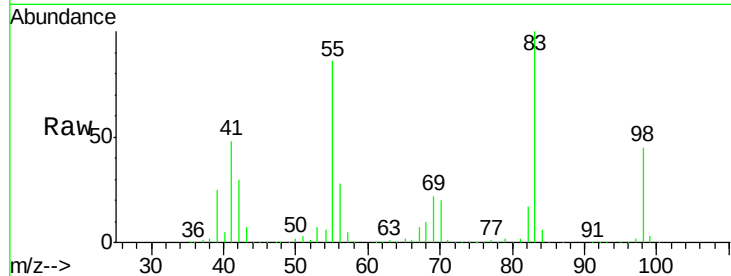
#39
Methylvlcyclohexane
Concen: 48.991 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008970.D
Acq: 15 Apr 2019 19:05

Instrument :
MSVOA_X
ClientSampleId :
M-16-190410MS

Tot Ion	83.00	Resp	220294
Ion	Ratio	Lower	Upper
83	100		
55	86.3	67.1	100.7
98	45.1	35.1	52.7

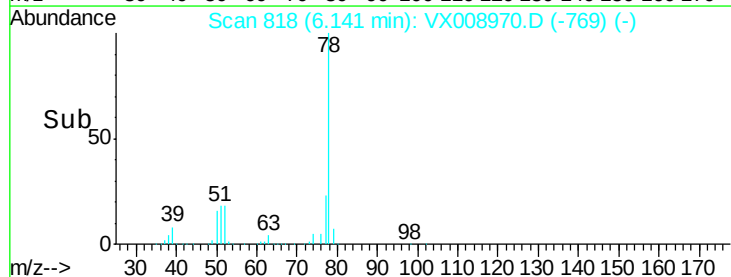
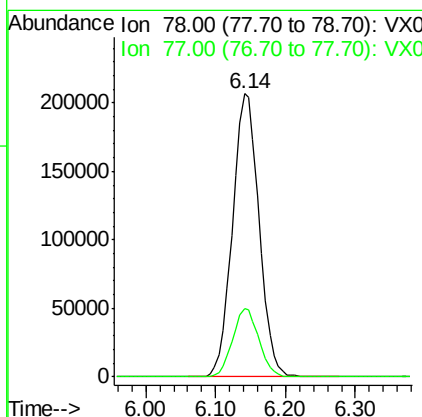
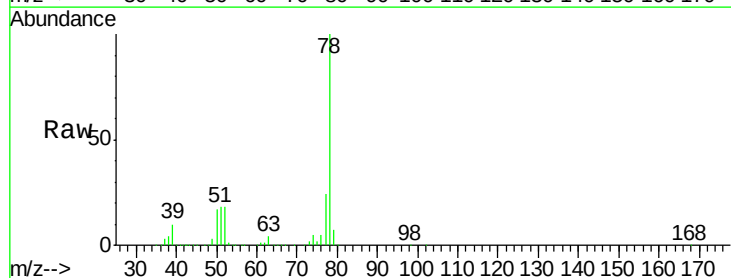
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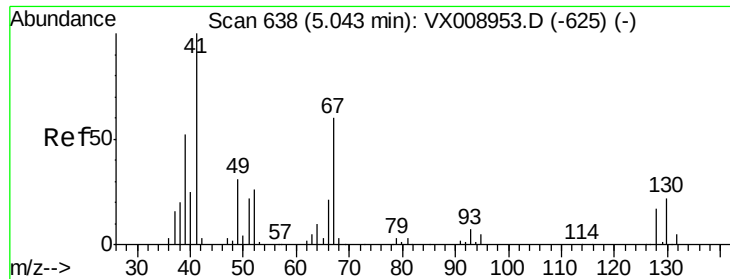
MMDadoda
4/16/2019 10:53:34 AM



#40
Benzene
Concen: 49.972 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008970.D
Acq: 15 Apr 2019 19:05

Tgt Ion	78.00	Resp	544460
Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.6





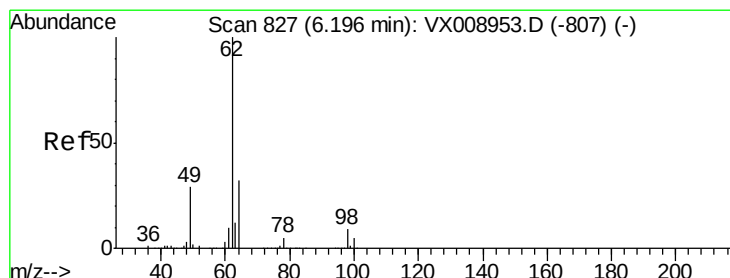
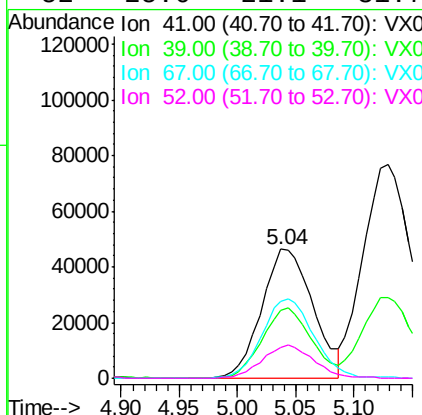
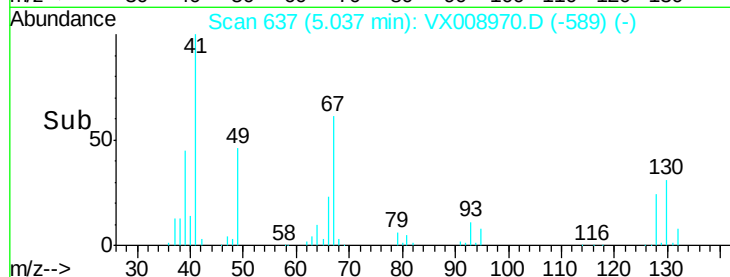
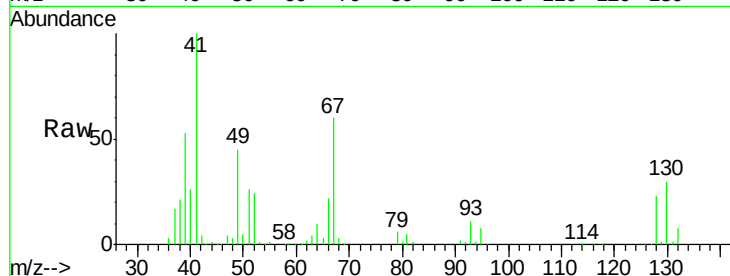
#41
Methacrylonitrile
Concen: 51.840 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX008970.D
Acq: 15 Apr 2019 19:05

Instrument :
MSVOA_X
ClientSampleId :
M-16-190410MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		141393		
39	52.5	41.8	62.6		
67	62.1	50.2	75.4		
52	25.6	21.1	31.7		

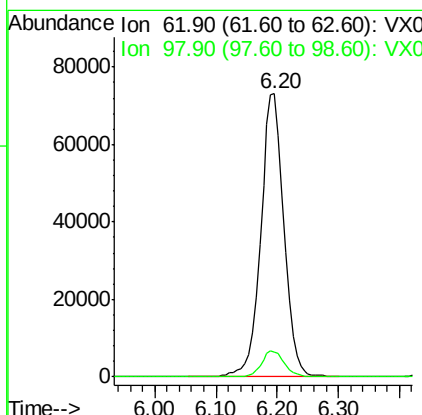
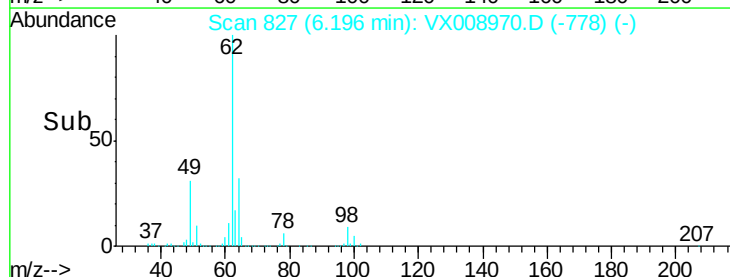
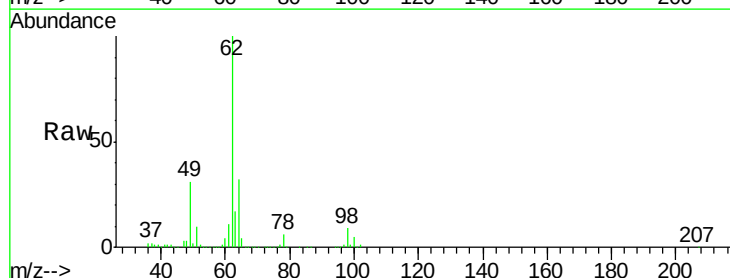
Manual Integrations
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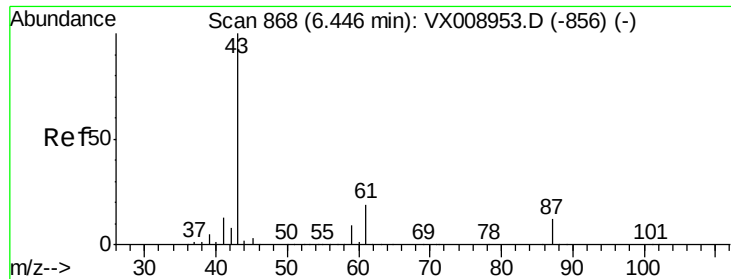
MMDadoda
4/16/2019 10:53:34 AM



#42
1,2-Dichloroethane
Concen: 50.006 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX008970.D
Acq: 15 Apr 2019 19:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		193000		
98	8.9	0.0	18.4		





#43

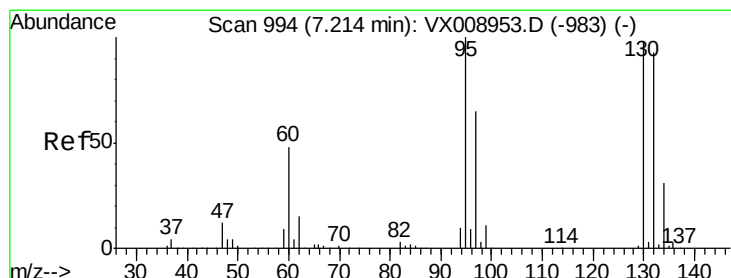
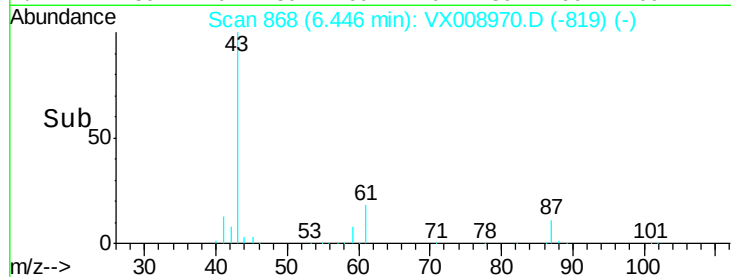
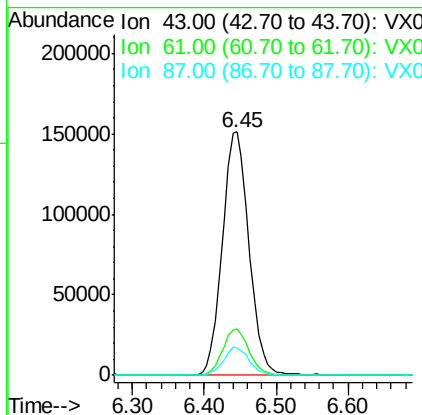
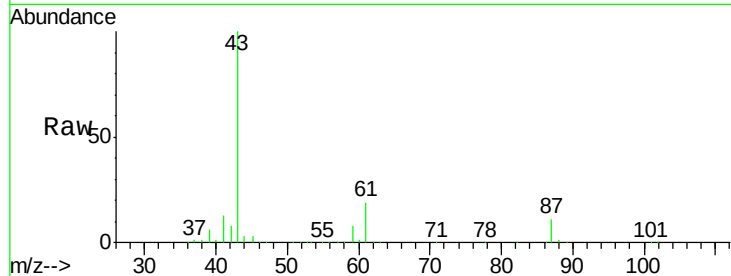
Isopropyl Acetate
 Concen: 50.679 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.4	23.0
87	11.1	9.0	13.4

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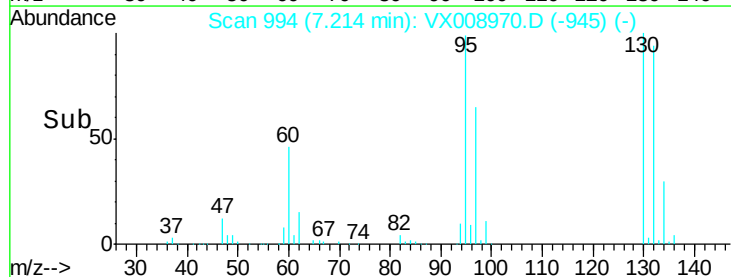
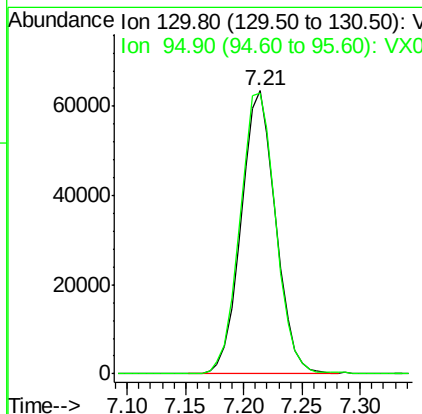
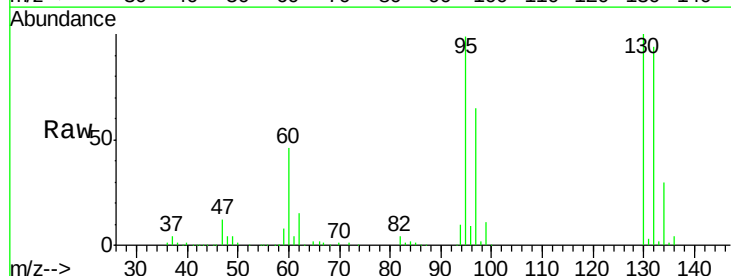
MMDadoda
 4/16/2019 10:53:34 AM

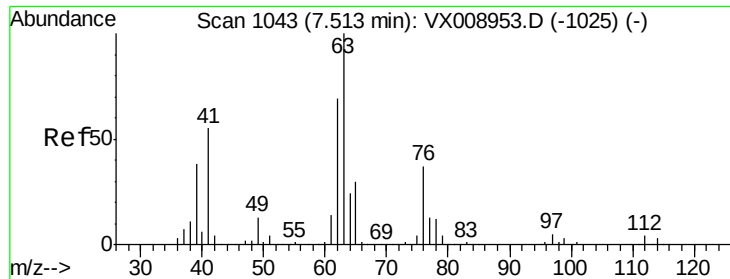


#44

Trichloroethene
 Concen: 49.307 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	203.2





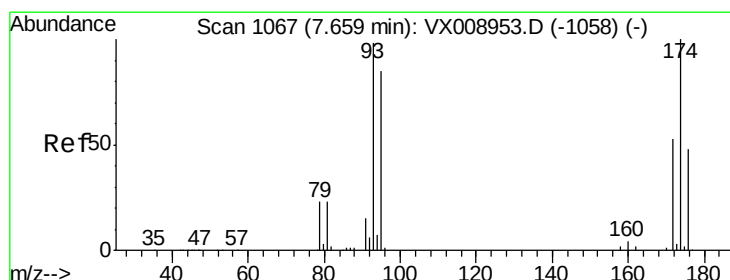
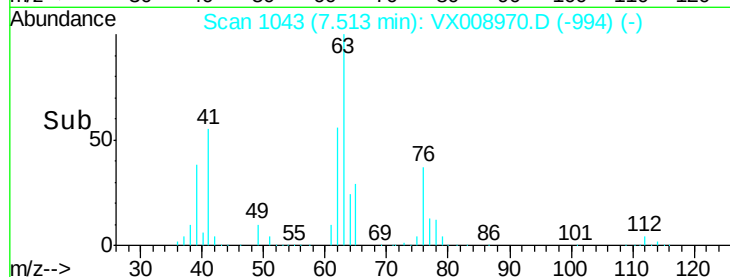
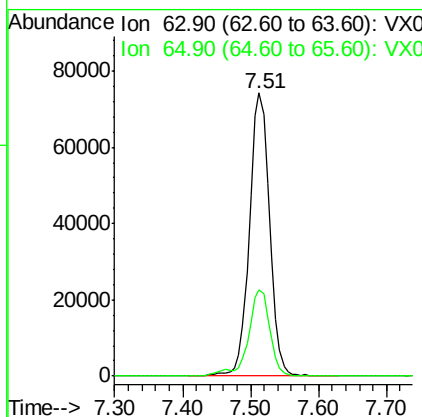
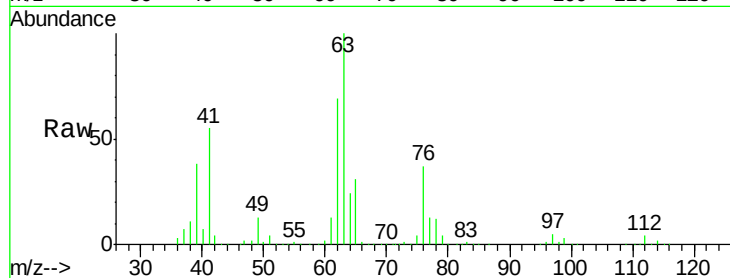
#45
 1,2-Dichloropropane
 Concen: 50.890 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MS

Tot Ion: 63 Resp: 153822
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.1 36.1

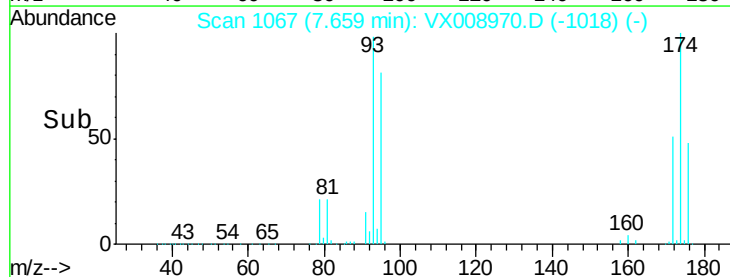
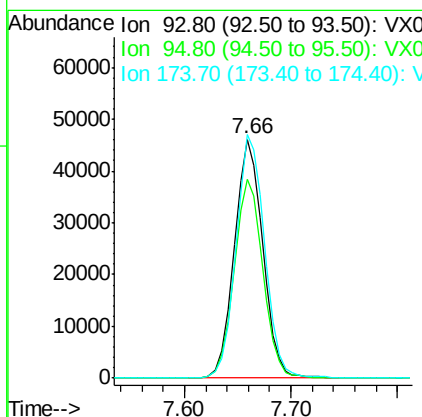
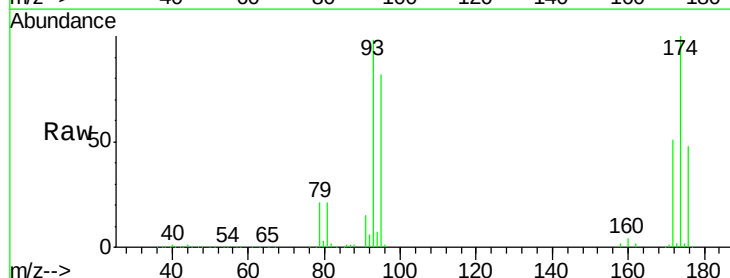
Manual Integrations
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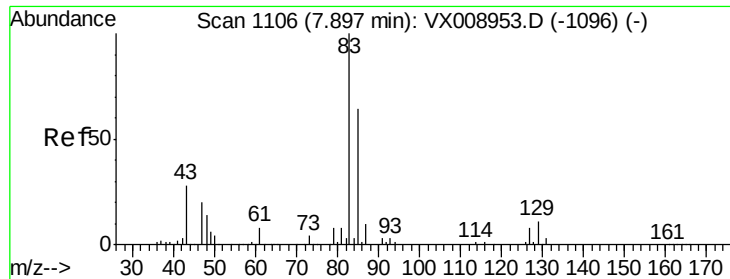
MMDadoda
 4/16/2019 10:53:34 AM



#46
 Dibromomethane
 Concen: 49.221 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Tgt Ion: 93 Resp: 86585
 Ion Ratio Lower Upper
 93 100
 95 84.1 67.0 100.4
 174 102.5 81.6 122.4





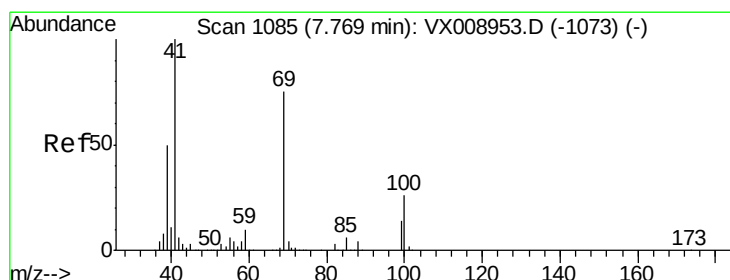
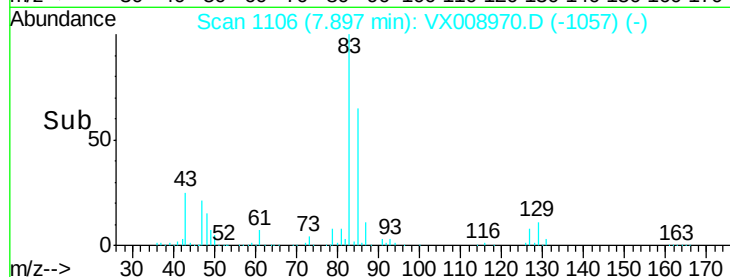
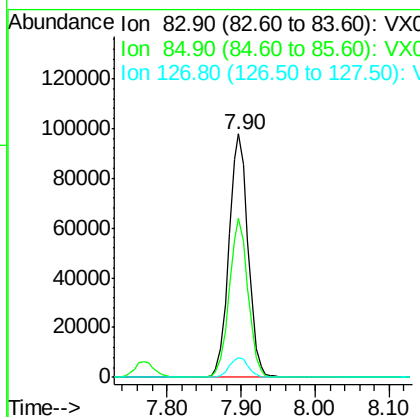
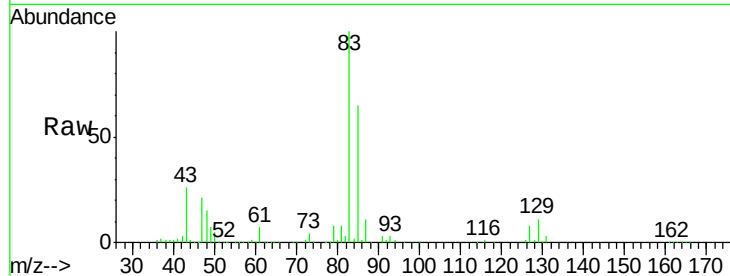
#47
 Bromodichloromethane
 Concen: 50.714 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MS

Tot Ion	83	Resp	174974
Ion Ratio	Lower	Upper	
83	100		
85	65.1	50.8	76.2
127	7.9	6.4	9.6

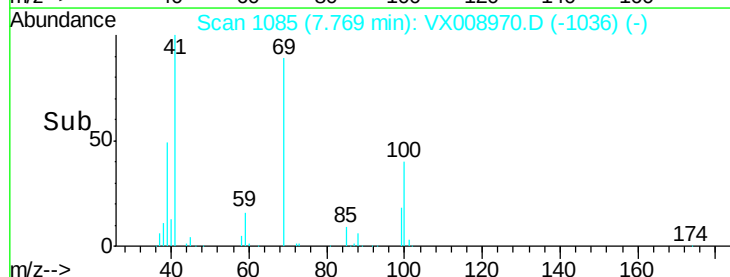
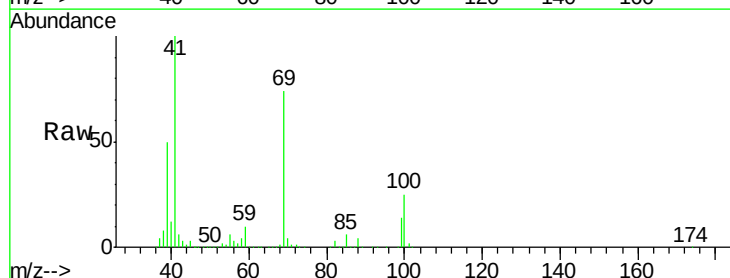
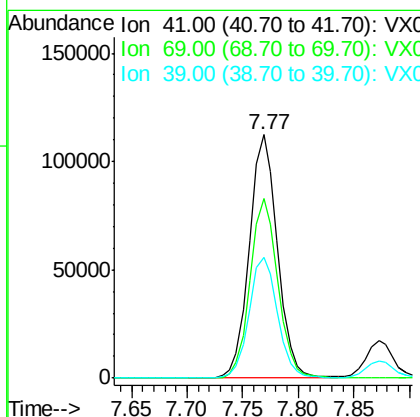
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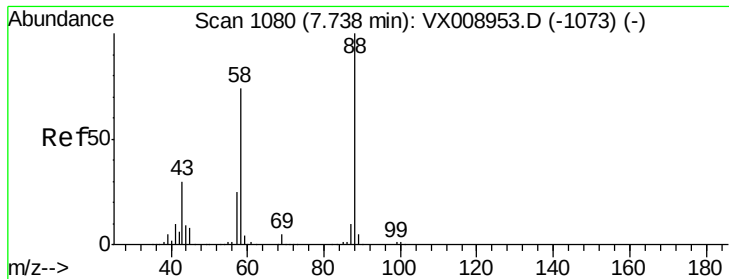
MMDadoda
 4/16/2019 10:53:34 AM



#48
 Methyl methacrylate
 Concen: 52.196 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Tgt Ion	41	Resp	197516
Ion Ratio	Lower	Upper	
41	100		
69	73.4	59.4	89.2
39	50.4	39.8	59.6





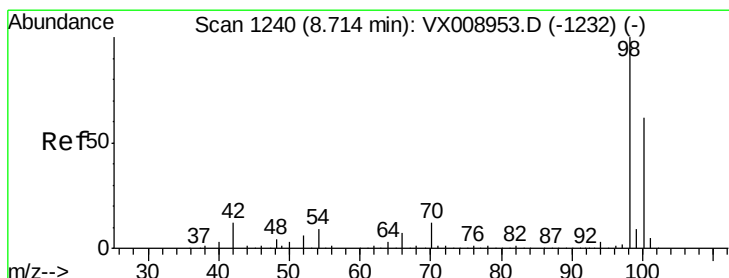
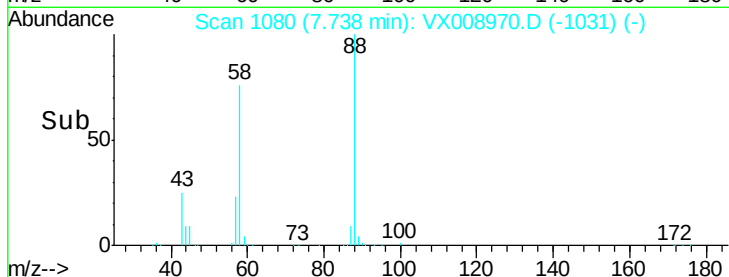
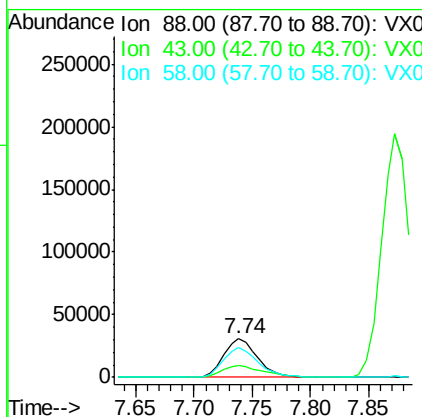
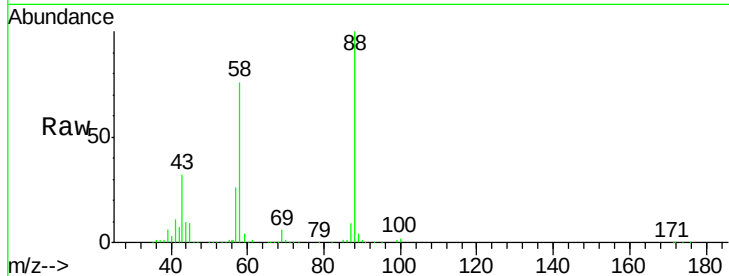
#49
1,4-Dioxane
Concen: 869.927 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX008970.D
Acq: 15 Apr 2019 19:05

Instrument :
MSVOA_X
ClientSampleId :
M-16-190410MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.6	29.3	43.9
58	80.0	62.6	93.8

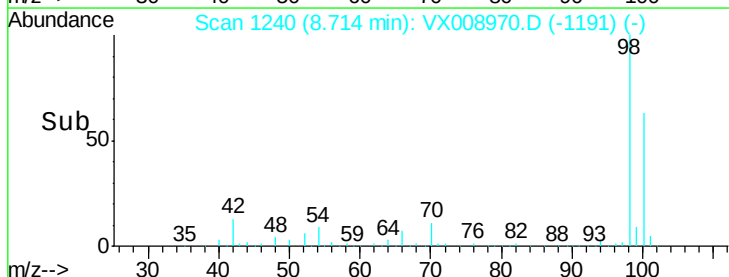
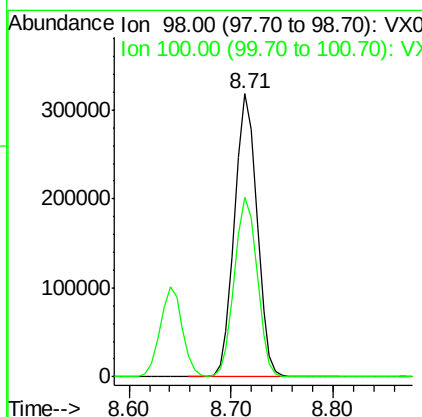
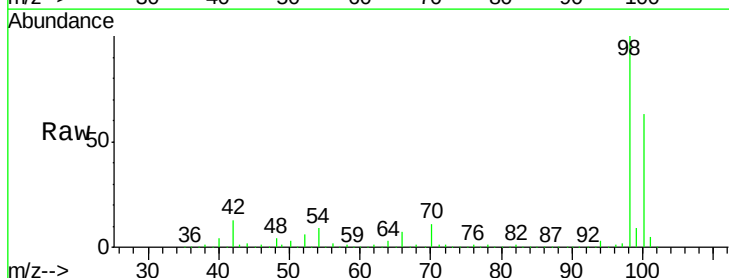
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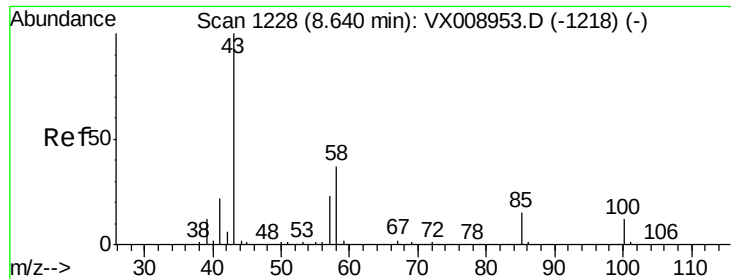
MMDadoda
4/16/2019 10:53:34 AM



#50
Toluene-d8
Concen: 52.864 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008970.D
Acq: 15 Apr 2019 19:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.4	77.2





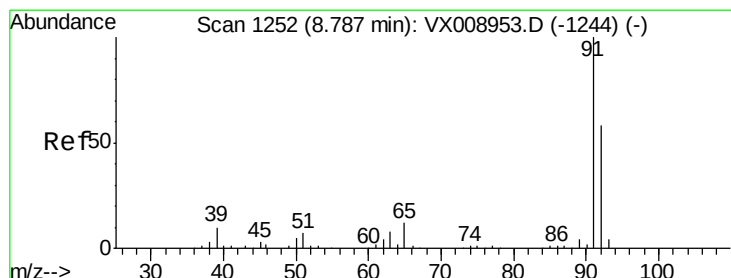
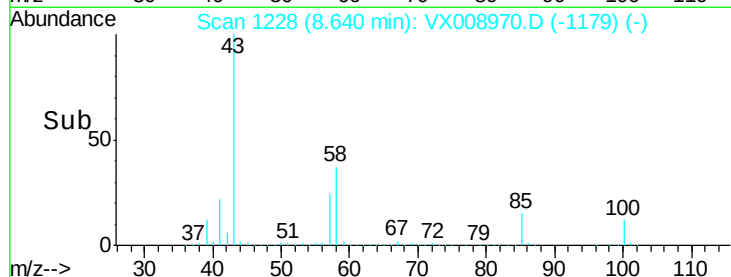
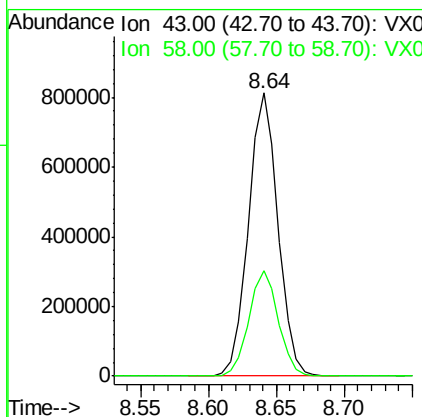
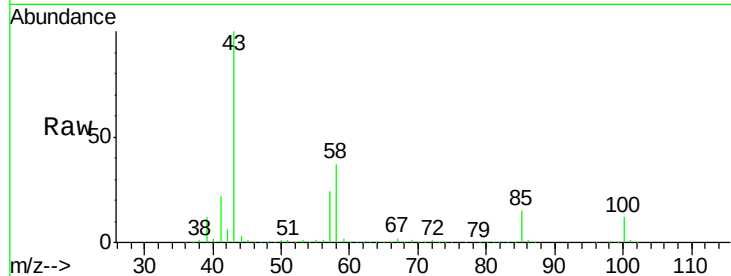
#51
4-Methyl-2-Pentanone
Concen: 253.844 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX008970.D
Acq: 15 Apr 2019 19:05

Instrument :
MSVOA_X
ClientSampleId :
M-16-190410MS

Tot Ion: 43 Resp: 1238504
Ion Ratio Lower Upper
43 100
58 37.2 29.8 44.6

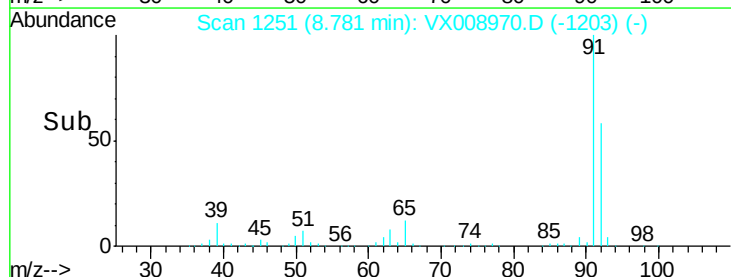
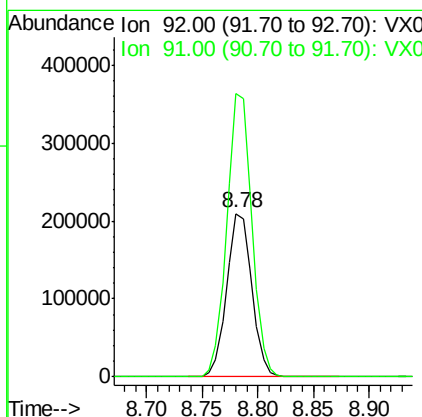
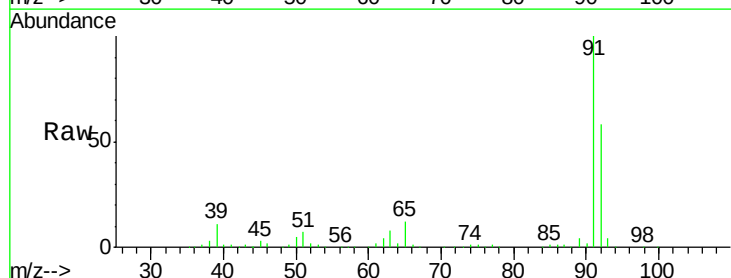
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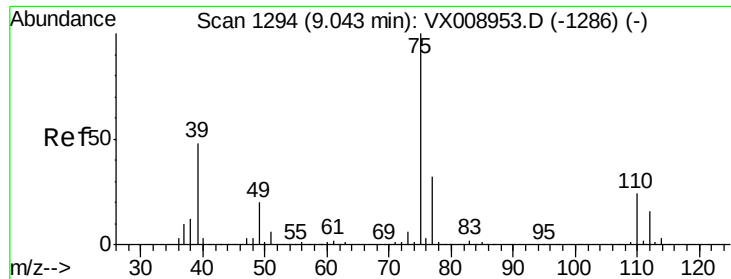
MMDadoda
4/16/2019 10:53:34 AM



#52
Toluene
Concen: 49.937 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX008970.D
Acq: 15 Apr 2019 19:05

Tgt Ion: 92 Resp: 326074
Ion Ratio Lower Upper
92 100
91 173.3 138.5 207.7





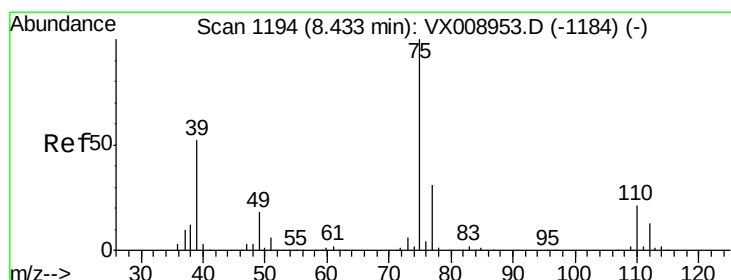
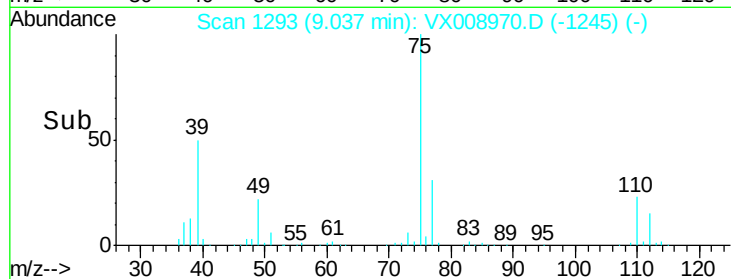
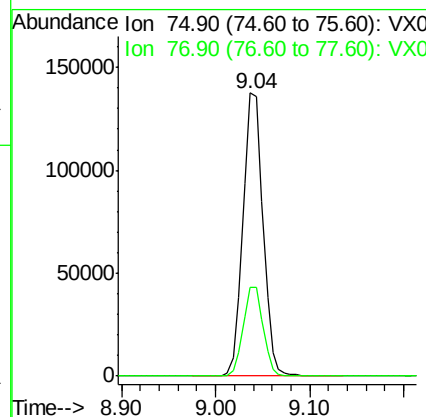
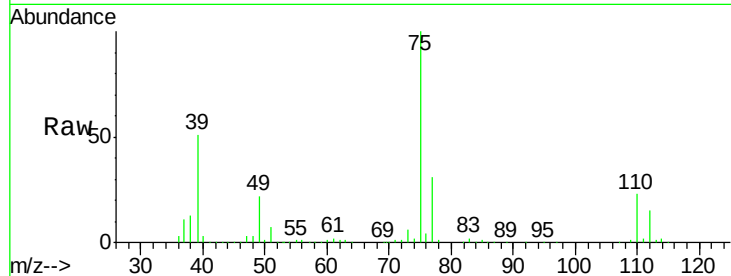
#53
 t-1,3-Dichloropropene
 Concen: 51.514 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MS

Tot Ion: 75 Resp: 204548
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.4 38.2

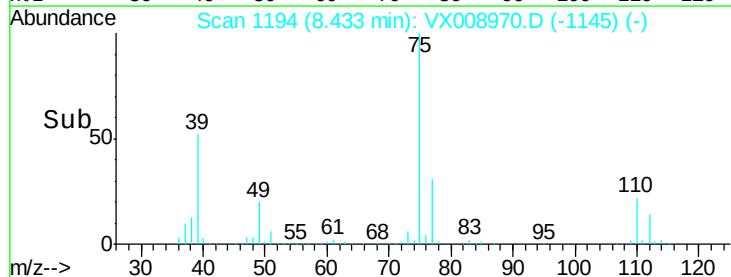
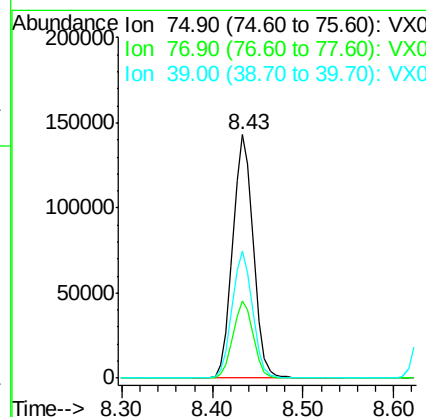
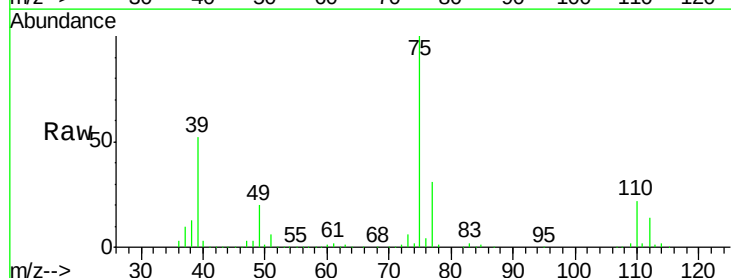
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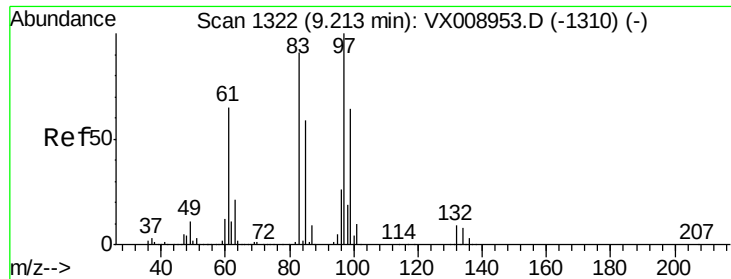
MMDadoda
 4/16/2019 10:53:34 AM



#54
 cis-1,3-Dichloropropene
 Concen: 50.626 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Tgt Ion: 75 Resp: 225088
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.8 37.2
 39 52.3 41.8 62.6





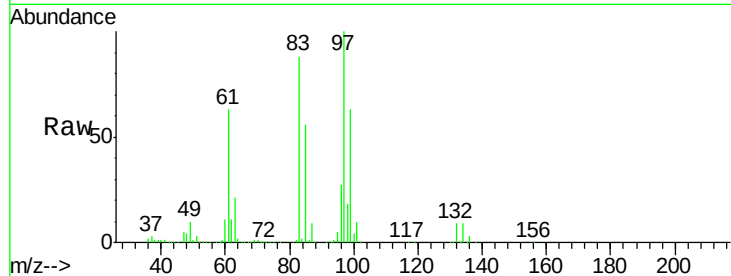
#55
 1,1,2-Trichloroethane
 Concen: 50.604 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MS

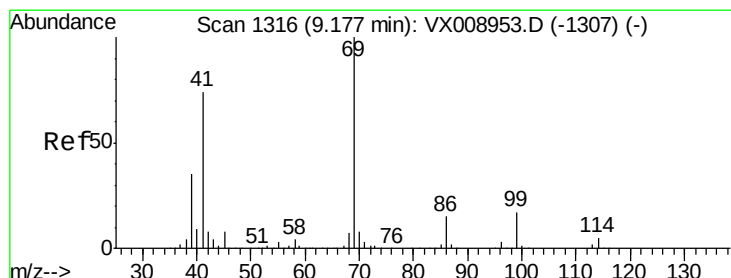
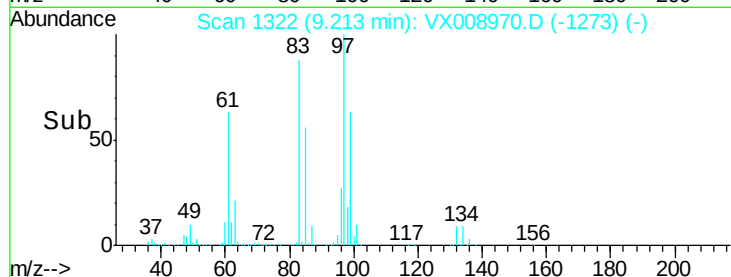
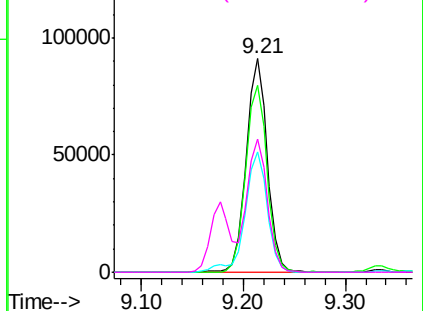
Tot Ion:	97	Resp:	130960
Ion	Ratio	Lower	Upper
97	100		
83	87.7	72.6	108.8
85	56.3	46.9	70.3
99	62.5	51.0	76.6

Manual Integrations
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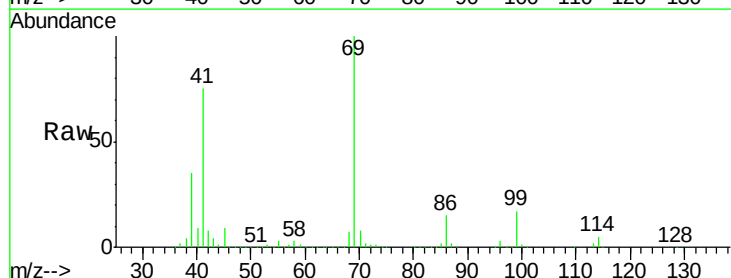


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

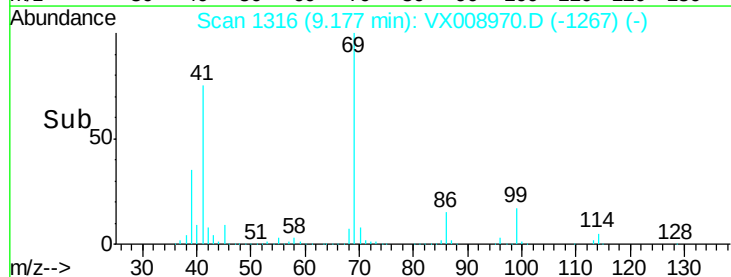
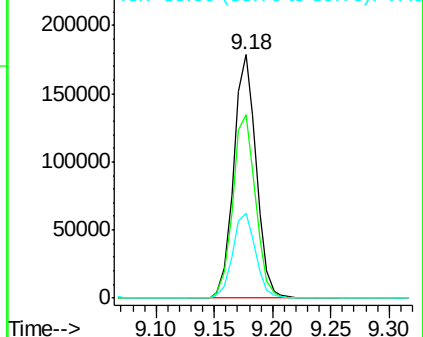


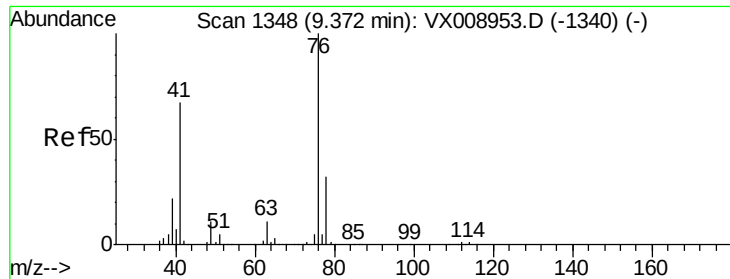
#56
 Ethyl methacrylate
 Concen: 51.846 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Tgt Ion:	69	Resp:	240587
Ion	Ratio	Lower	Upper
69	100		
41	75.7	60.2	90.2
39	35.4	27.9	41.9



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





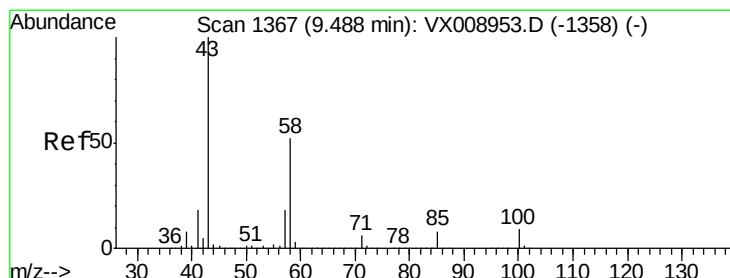
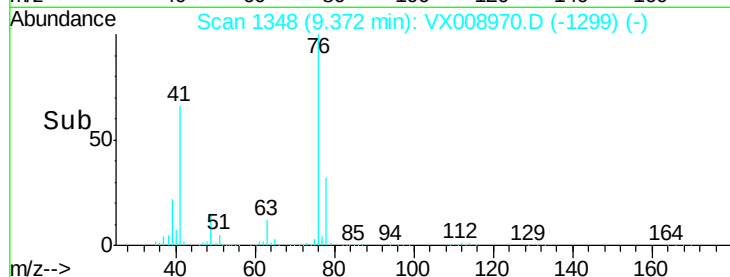
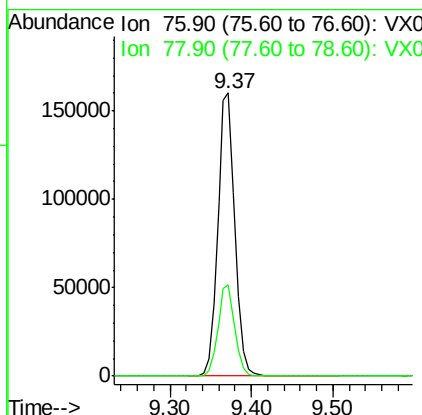
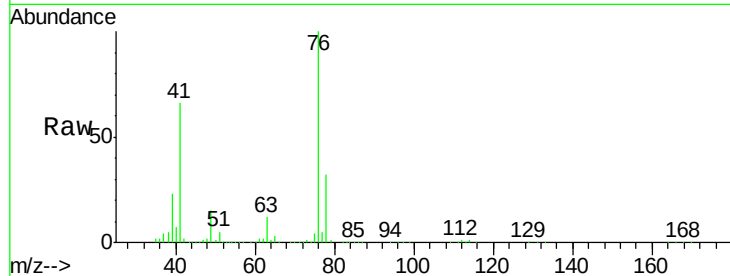
#57
 1,3-Dichloropropane
 Concen: 50.667 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.7	38.5

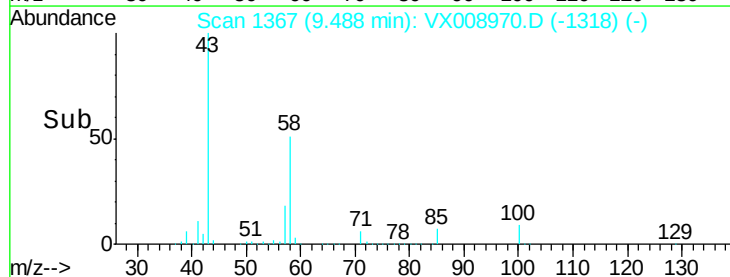
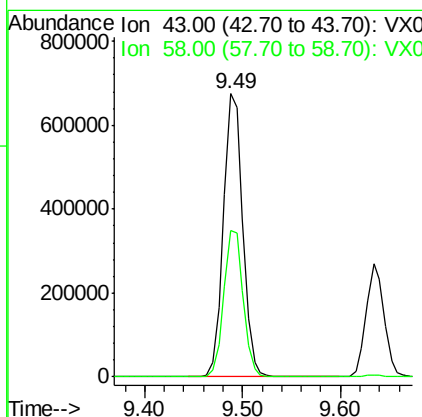
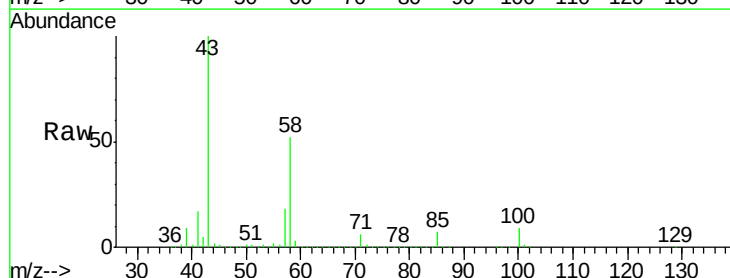
Manual Integrations
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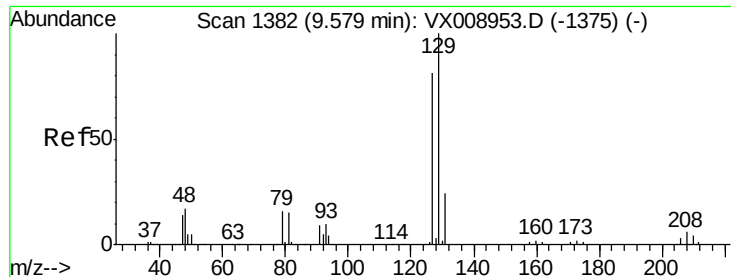
MMDadoda
 4/16/2019 10:53:34 AM



#59
 2-Hexanone
 Concen: 246.021 ug/l
 RT: 9.49 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Tgt Ion	Ratio	Lower	Upper
43	100		
58	52.0	25.9	77.8





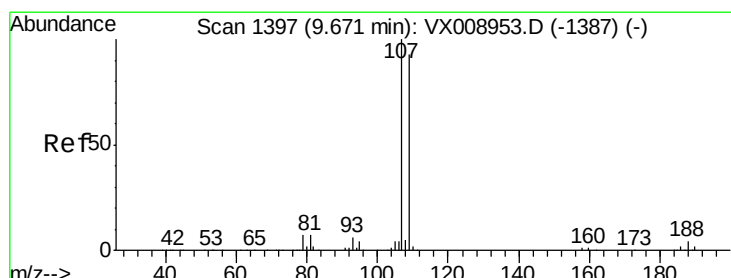
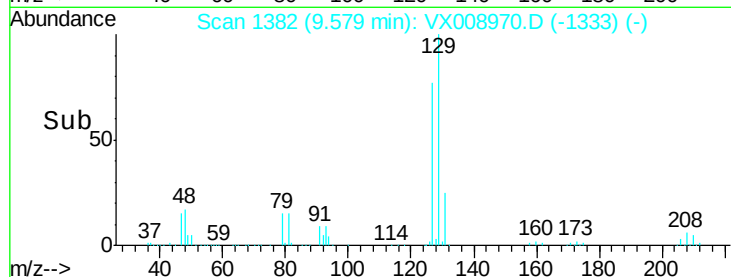
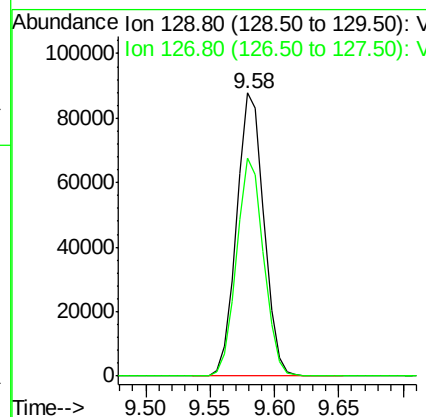
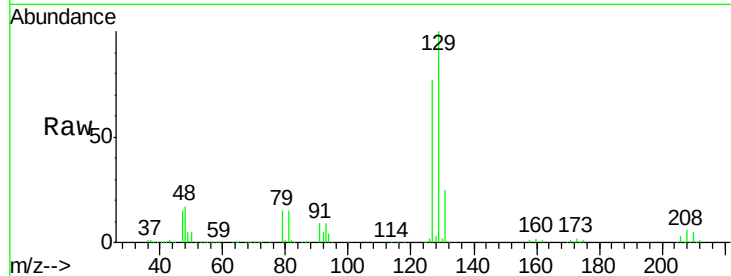
#60
 Dibromochloromethane
 Concen: 52.412 ug/l
 RT: 9.58 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MS

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.5	39.1	117.2

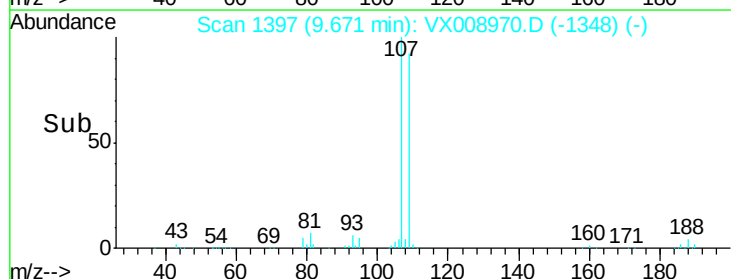
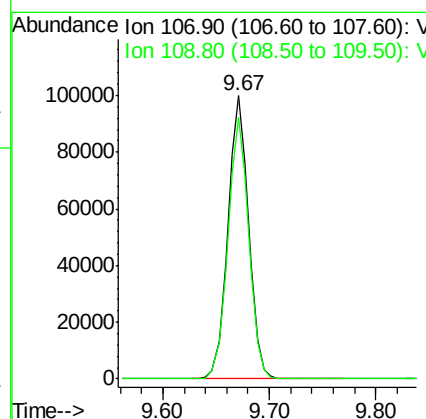
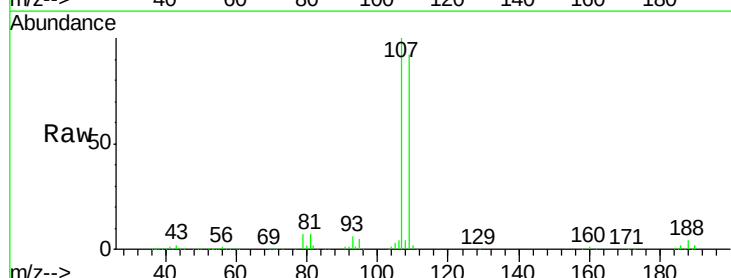
Manual Integrations
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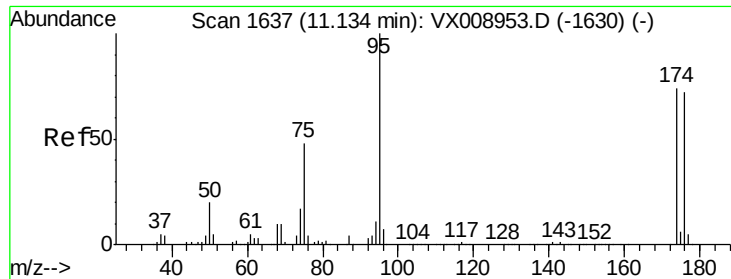
MMDadoda
 4/16/2019 10:53:34 AM



#61
 1,2-Dibromoethane
 Concen: 50.788 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.2	74.4	111.6





#62

4-Bromofluorobenzene

Concen: 52.535 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

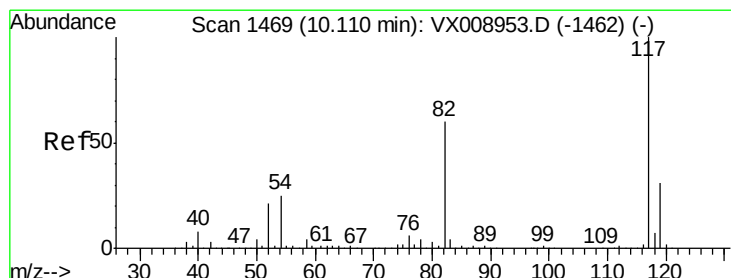
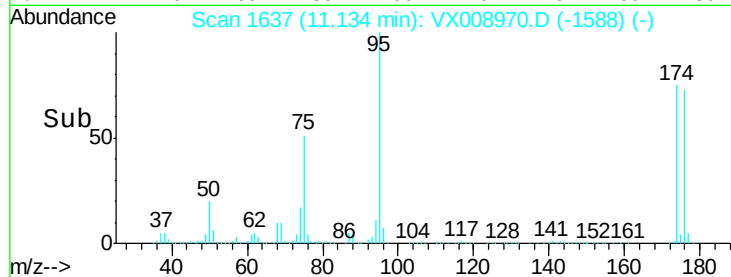
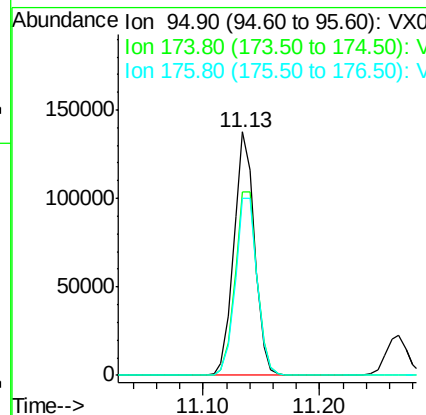
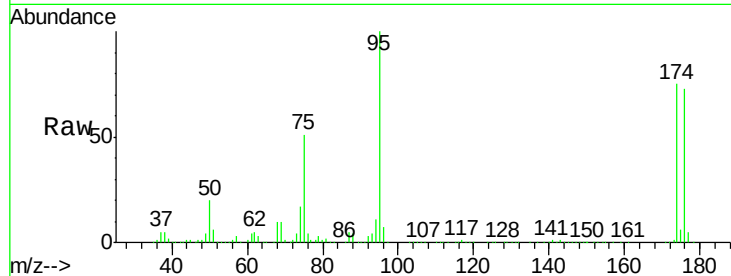
ClientSampleId :

M-16-190410MS

Tot Ion:	95	Resp:	169497
Ion Ratio	Lower	Upper	
95	100		
174	80.1	0.0	159.6
176	77.1	0.0	154.8

Manual Integrations
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MMDadoda
4/16/2019 10:53:34 AM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

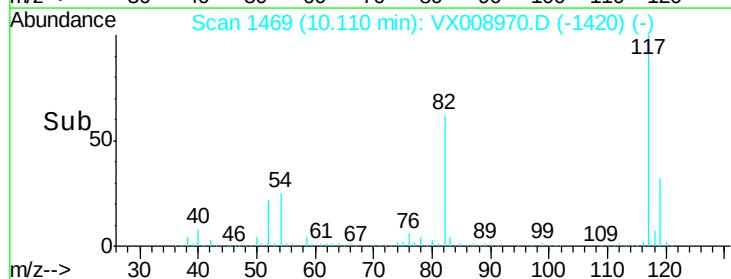
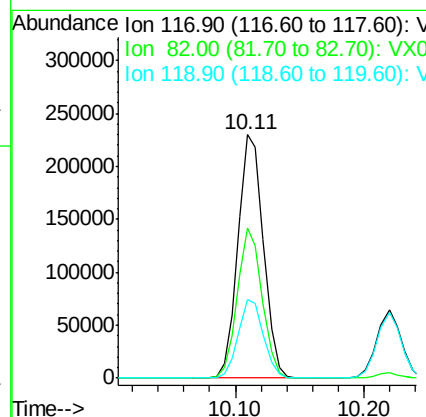
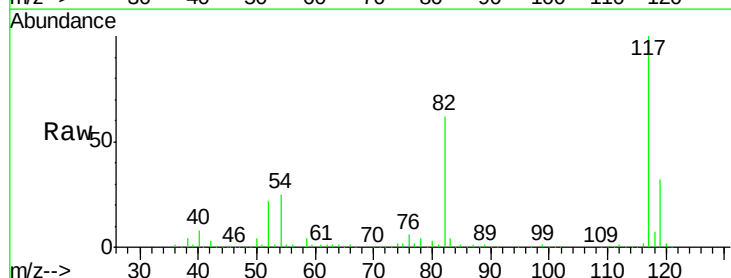
RT: 10.11 min Scan# 1469

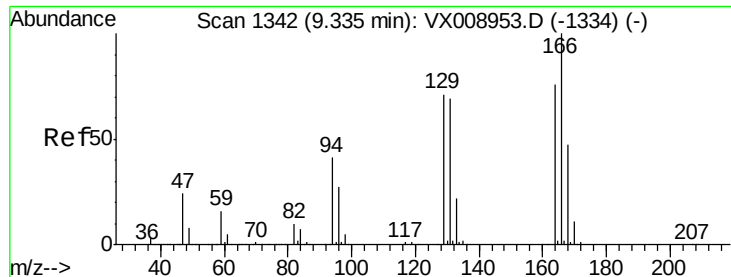
Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Tgt Ion:	117	Resp:	318196
Ion Ratio	Lower	Upper	
117	100		
82	61.6	48.2	72.4
119	32.1	25.0	37.6





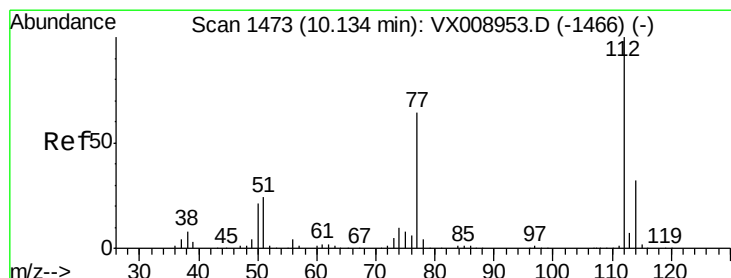
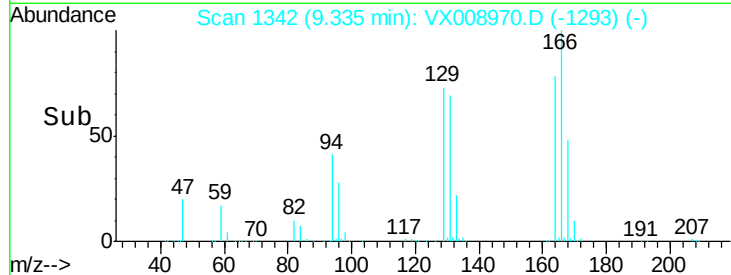
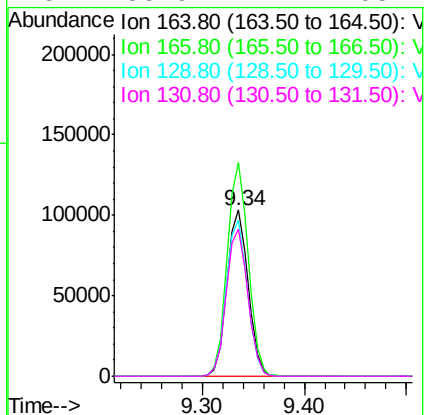
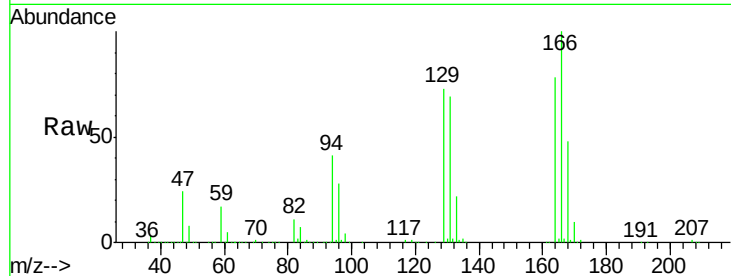
#64
 Tetrachloroethene
 Concen: 60.958 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	128.4	105.0	157.4	
129	94.0	74.2	111.4	
131	88.9	72.2	108.2	

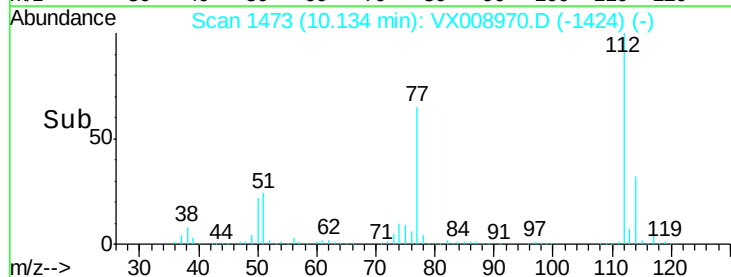
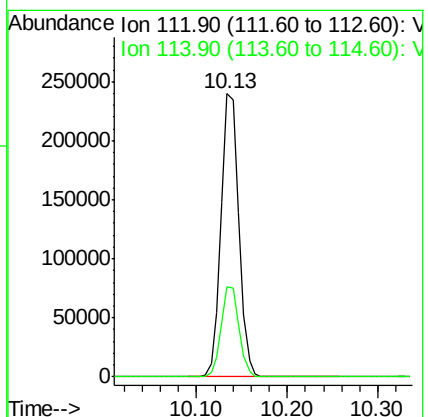
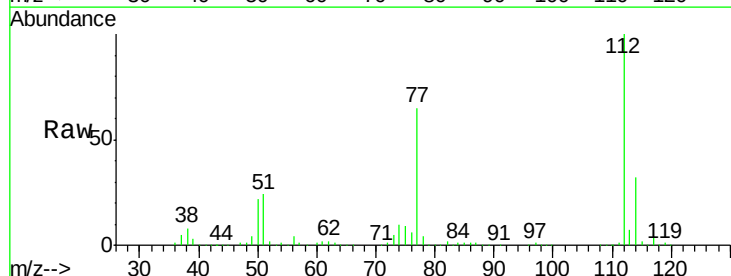
Manual Integrations
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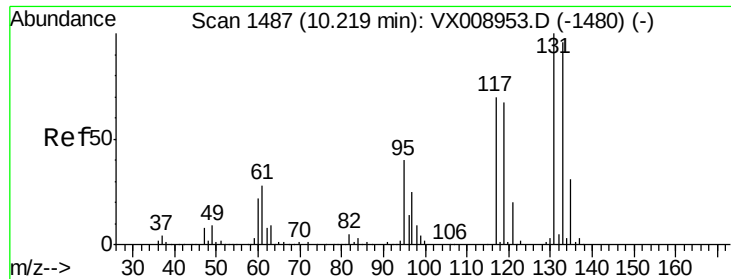
MMDadoda
 4/16/2019 10:53:34 AM



#65
 Chlorobenzene
 Concen: 49.162 ug/l
 RT: 10.13 min Scan# 1473
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	31.6	25.4	38.0	





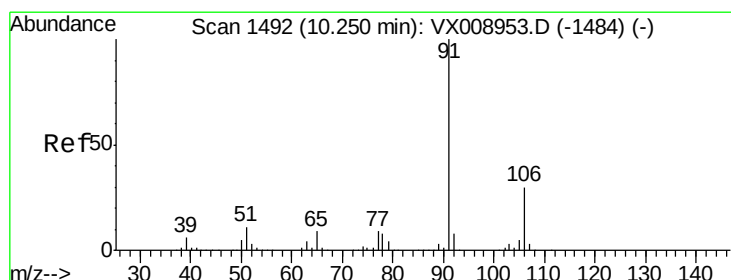
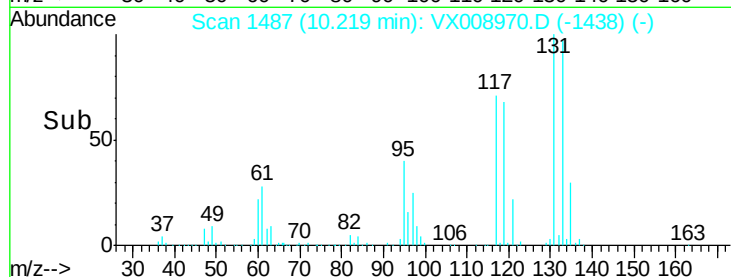
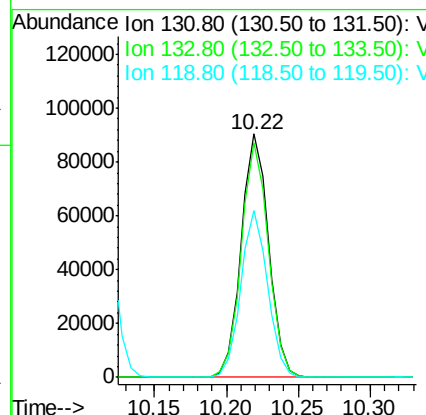
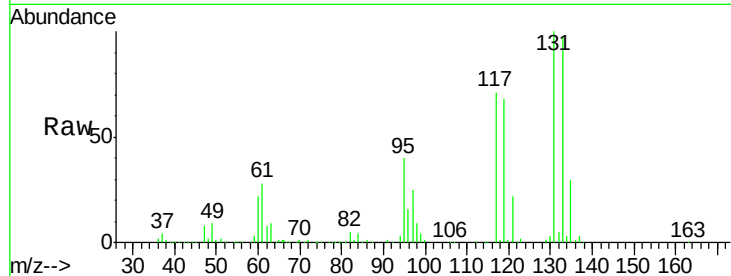
#66
 1,1,1,2-Tetrachloroethane
 Concen: 50.725 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MS

Tot Ion	Ratio	Resp	Lower	Upper
131	100	120017		
133	95.3	48.0	144.2	
119	67.3	33.7	101.1	

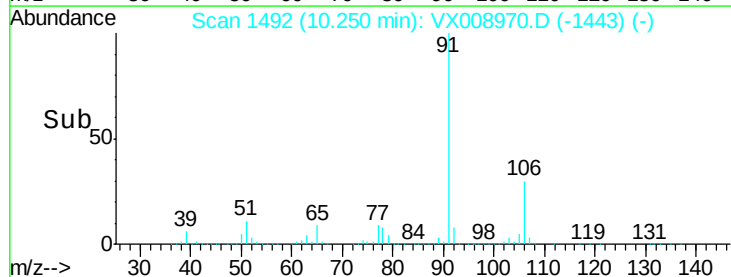
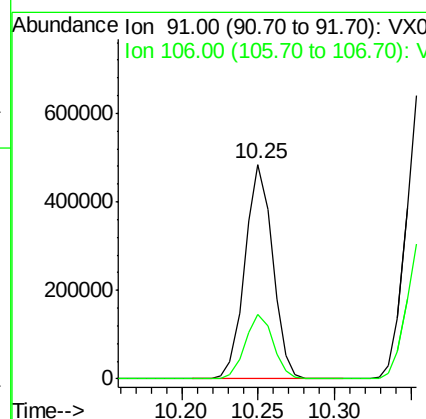
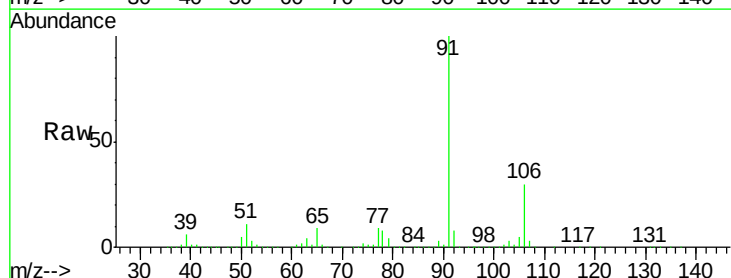
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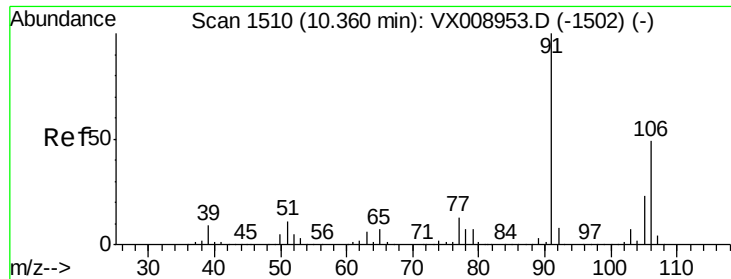
MMDadoda
 4/16/2019 10:53:34 AM



#67
 Ethyl Benzene
 Concen: 49.598 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	608942		
106	30.2	24.3	36.5	





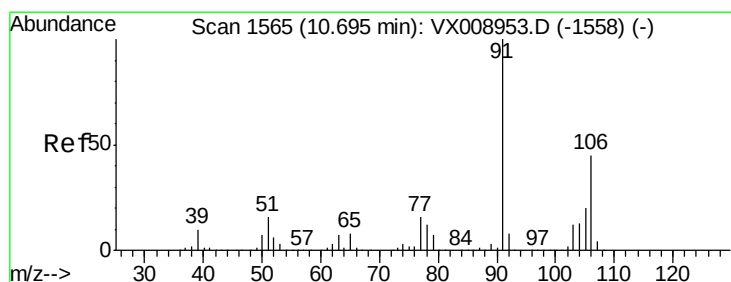
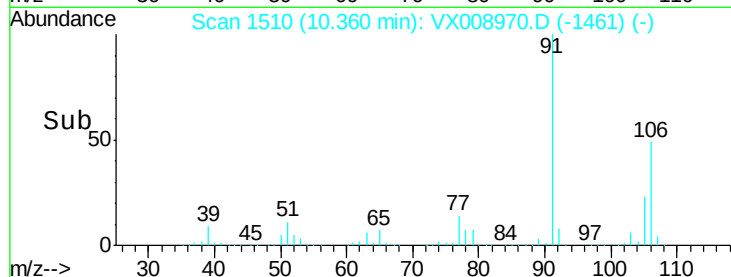
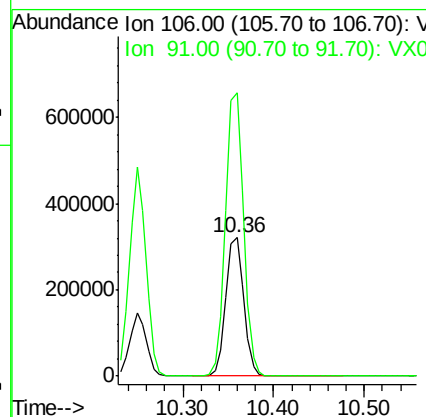
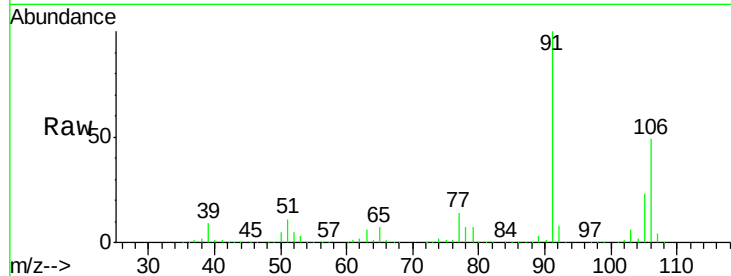
#68
m/p-Xylenes
Concen: 99.433 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008970.D
Acq: 15 Apr 2019 19:05

Instrument :
MSVOA_X
ClientSampleId :
M-16-190410MS

Tot Ion:106 Resp: 443669
Ion Ratio Lower Upper
106 100
91 206.8 165.4 248.2

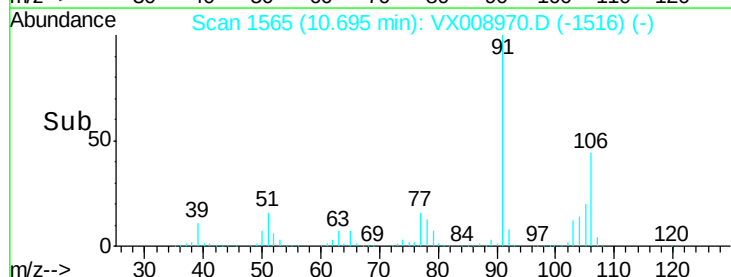
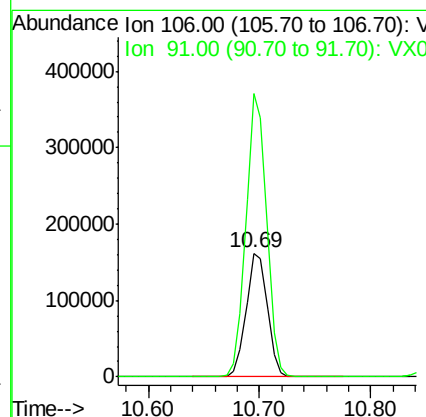
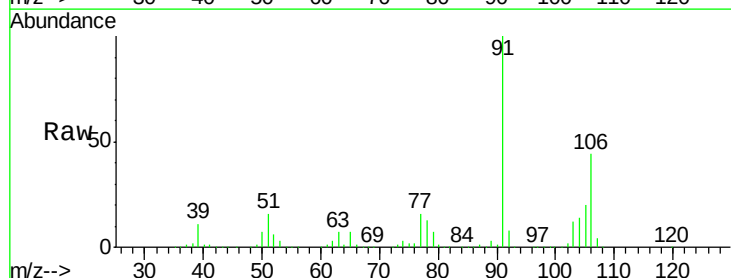
Manual Integrations
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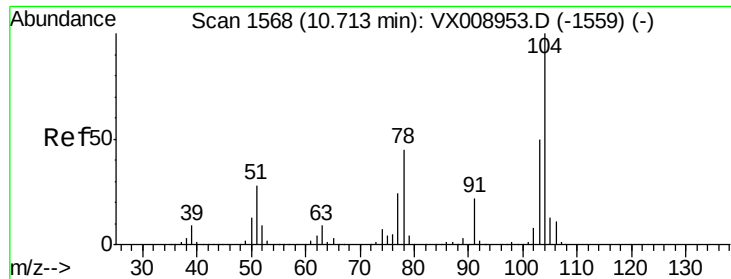
MMDadoda
4/16/2019 10:53:34 AM



#69
o-Xylene
Concen: 49.131 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX008970.D
Acq: 15 Apr 2019 19:05

Tgt Ion:106 Resp: 213306
Ion Ratio Lower Upper
106 100
91 222.8 108.9 326.7





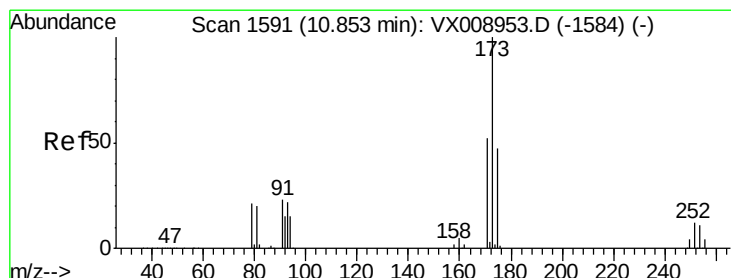
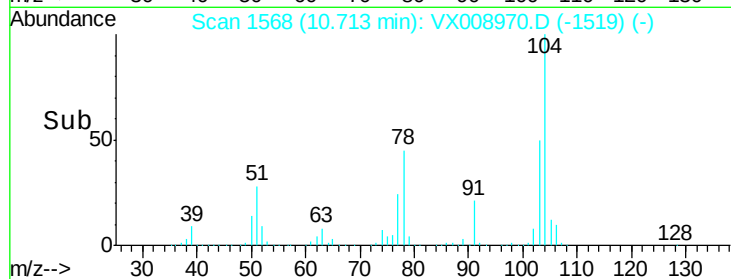
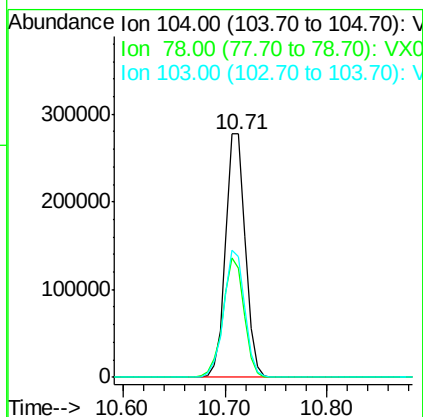
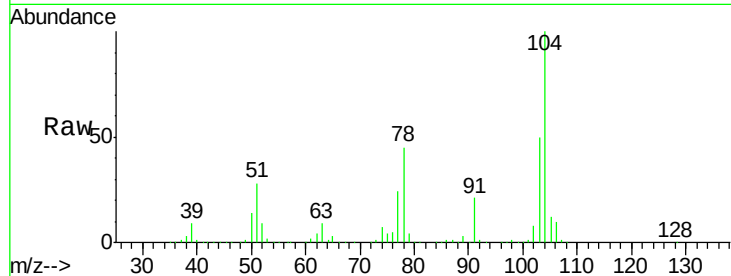
#70
Stvrene
Concen: 49.417 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008970.D
Acq: 15 Apr 2019 19:05

Instrument :
MSVOA_X
ClientSampleId :
M-16-190410MS

Tot Ion	Ratio	Resp	Lower	Upper
104	100	371793		
78	52.4	41.2	61.8	
103	55.6	43.9	65.9	

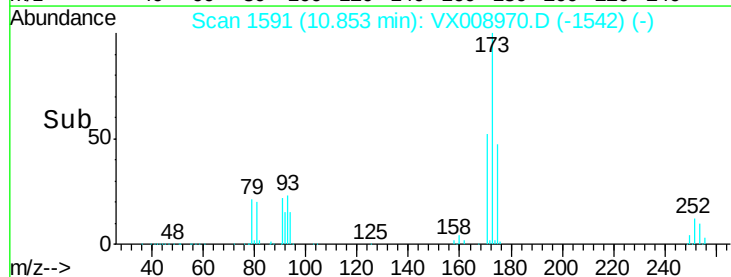
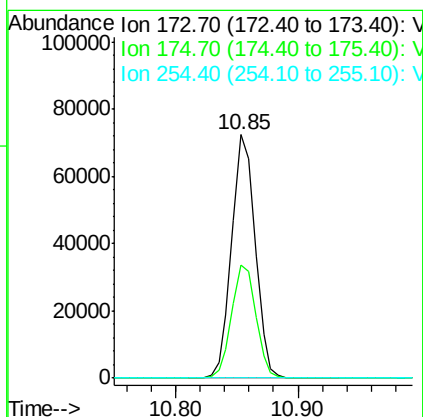
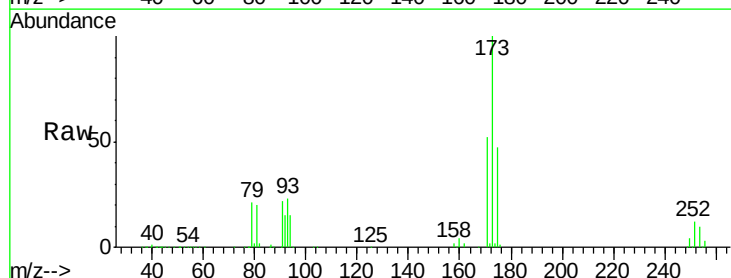
Manual Integrations
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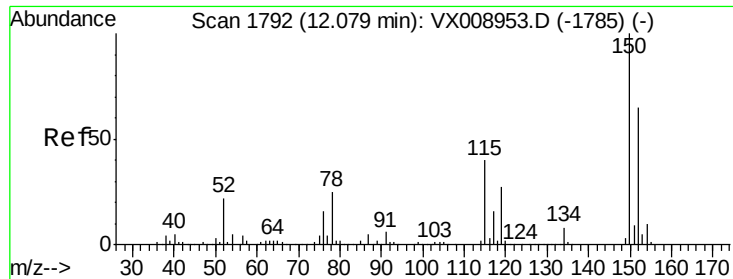
MMDadoda
4/16/2019 10:53:34 AM



#71
Bromoform
Concen: 50.883 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX008970.D
Acq: 15 Apr 2019 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	95914		
175	47.9	23.9	71.8	
254	0.2	0.2	0.4#	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

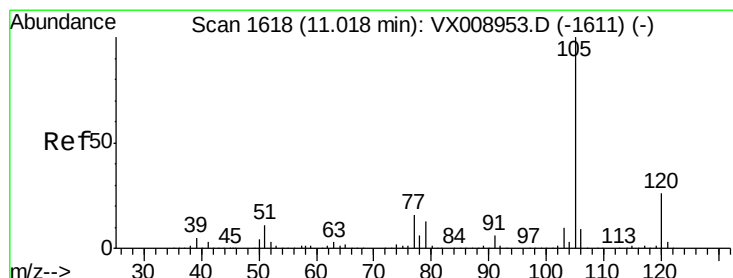
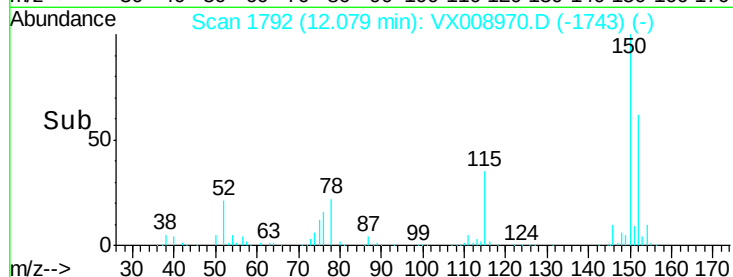
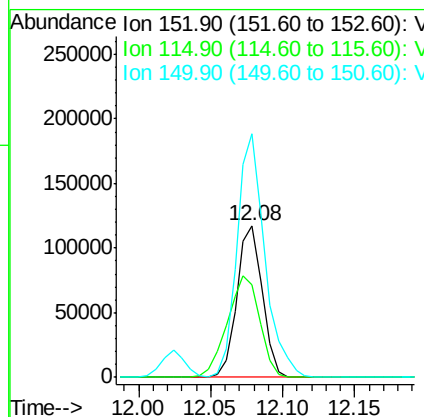
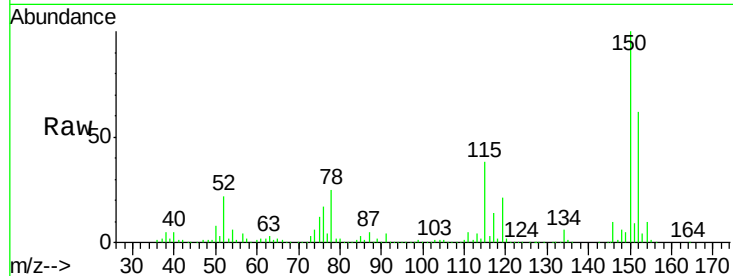
ClientSampleId :

M-16-190410MS

Tot Ion:	152	Resp:	144451
Ion Ratio	Lower	Upper	
152	100		
115	85.7	41.4	124.2
150	175.6	0.0	349.8

Manual Integrations
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#73

Isopropylbenzene

Concen: 52.086 ug/l

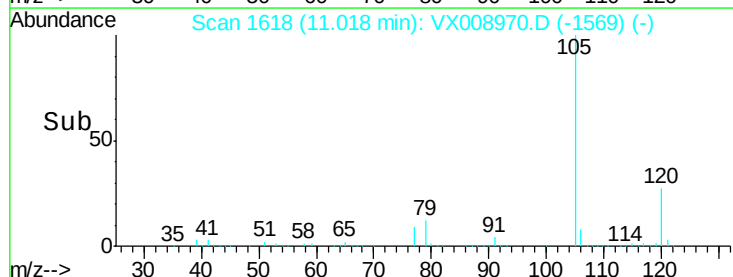
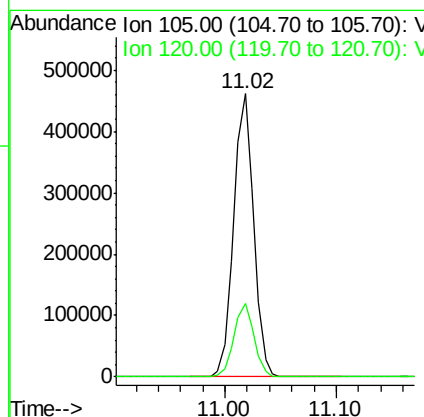
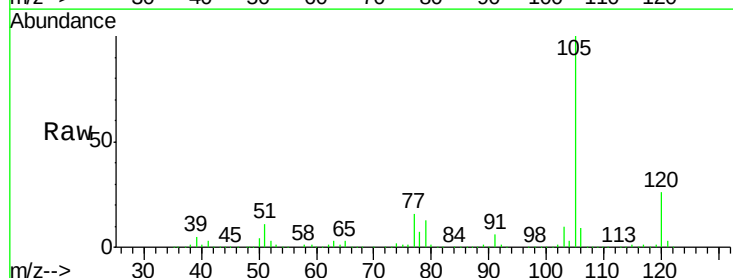
RT: 11.02 min Scan# 1618

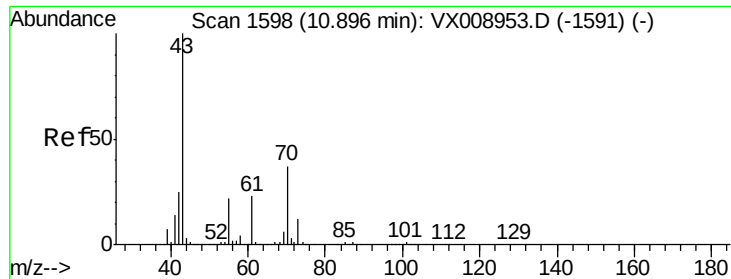
Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Tgt Ion:	105	Resp:	570306
Ion Ratio	Lower	Upper	
105	100		
120	26.0	12.9	38.7





#74

N-amvl acetate

Concen: 51.595 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

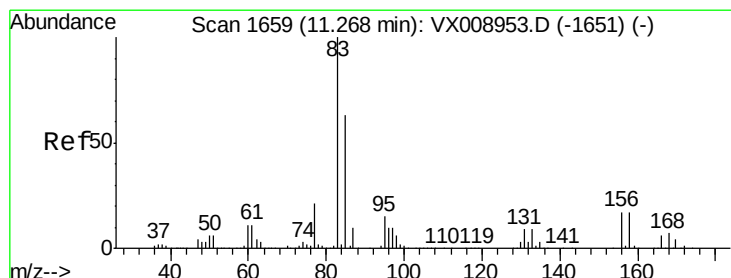
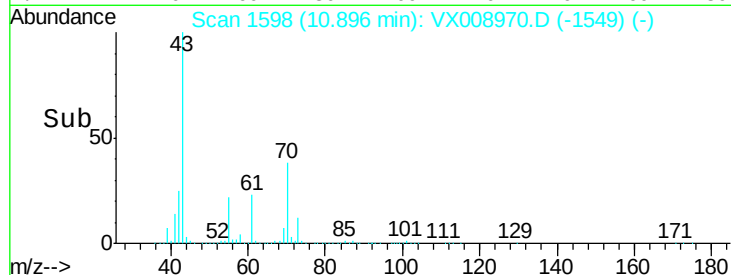
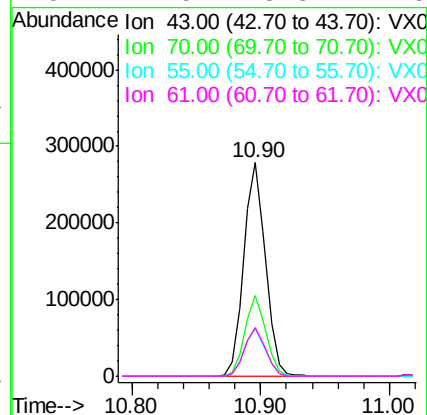
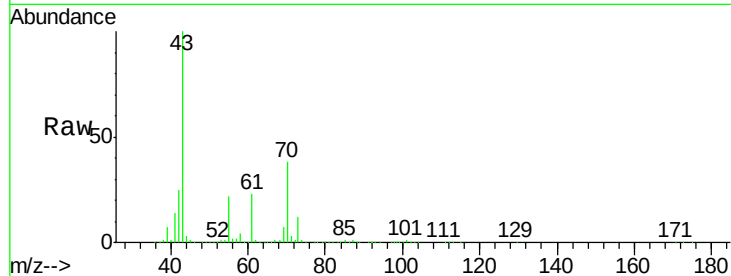
ClientSampleId :

M-16-190410MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	43	100			
70	70	37.1		29.9	44.9
55	55	22.2		17.8	26.8
61	61	22.5		18.3	27.5

Manual Integrations
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4/16/2019 10:53:34 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 51.110 ug/l

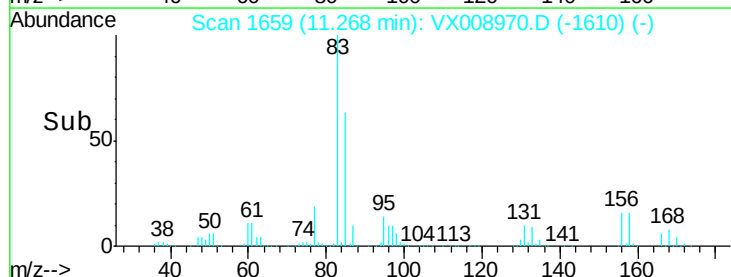
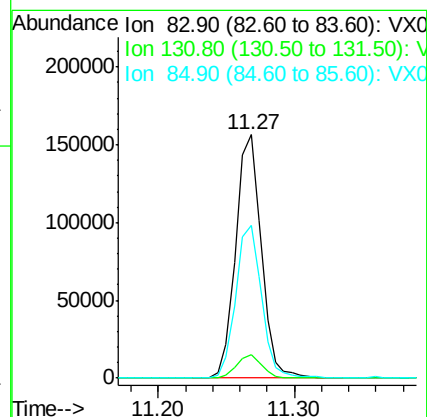
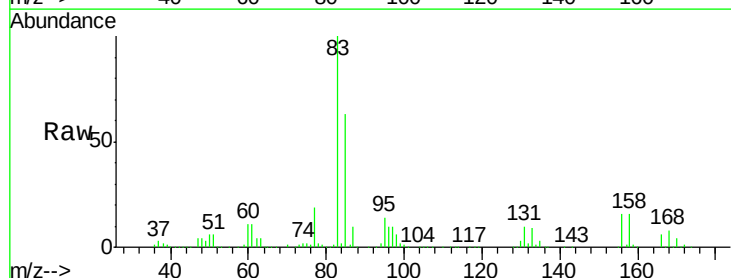
RT: 11.27 min Scan# 1659

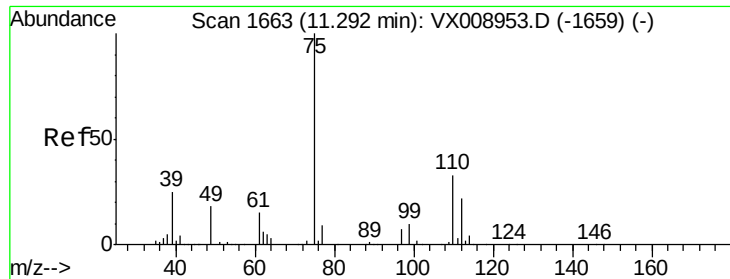
Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	83	100			
131	131	9.4		4.7	14.0
85	85	63.7		31.9	95.9





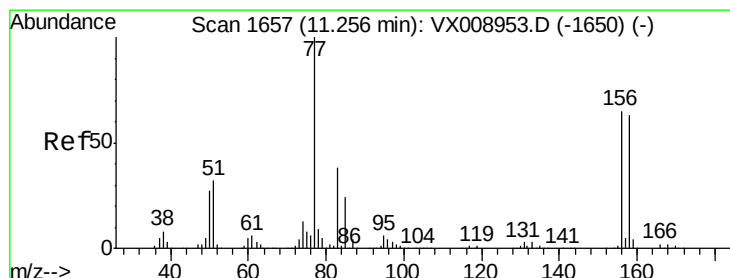
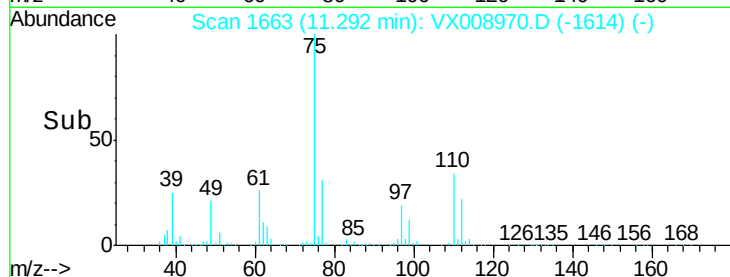
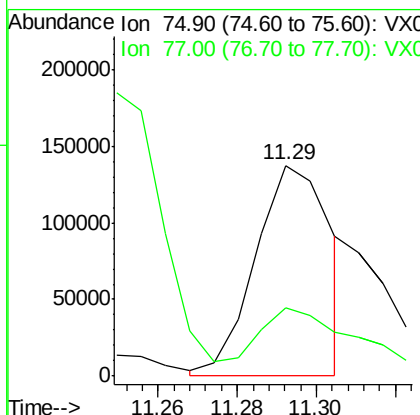
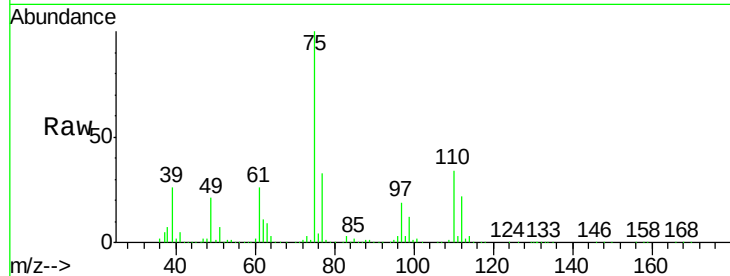
#76
 1,2,3-Trichloropropane
 Concen: 51.165 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MS

Tot Ion: 75 Resp: 180471
 Ion Ratio Lower Upper
 75 100
 77 43.6 22.7 68.0

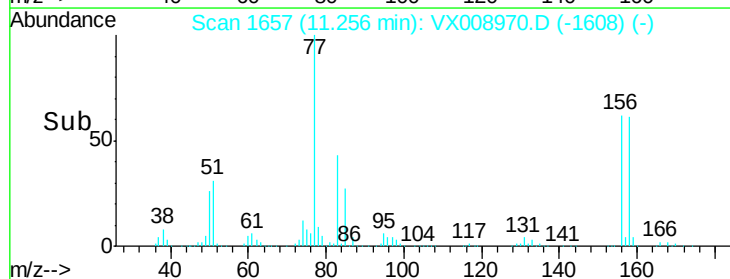
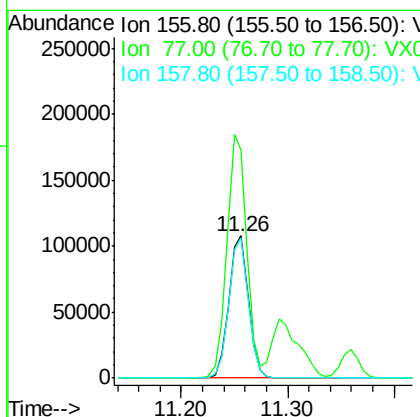
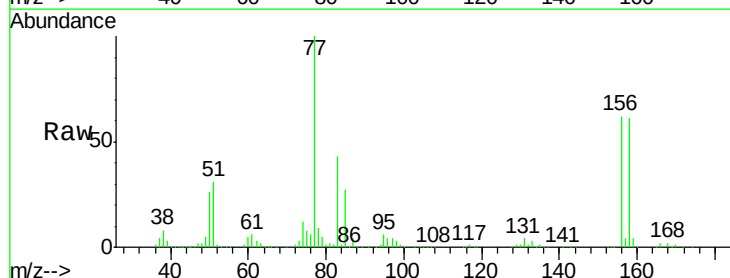
Manual Integrations
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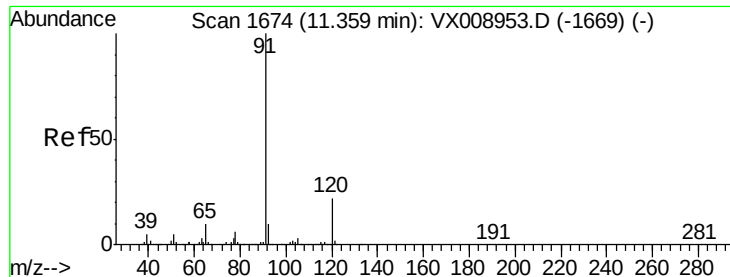
MMDadoda
 4/16/2019 10:53:34 AM



#77
 Bromobenzene
 Concen: 50.466 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Tgt Ion: 156 Resp: 139416
 Ion Ratio Lower Upper
 156 100
 77 172.5 85.4 256.1
 158 97.3 48.8 146.4





#78

n-propylbenzene

Concen: 52.215 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MS

Tot Ion: 91 Resp: 656203

Ion Ratio Lower Upper

91 100

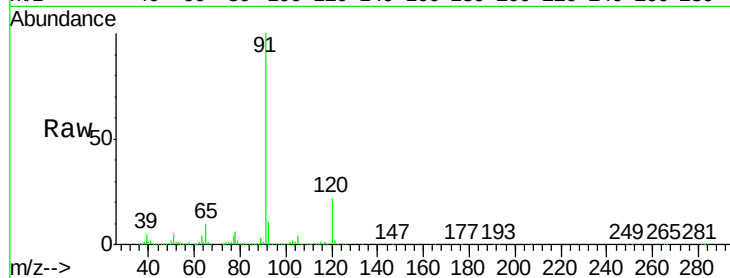
120 22.2 10.9 32.9

Manual Integrations

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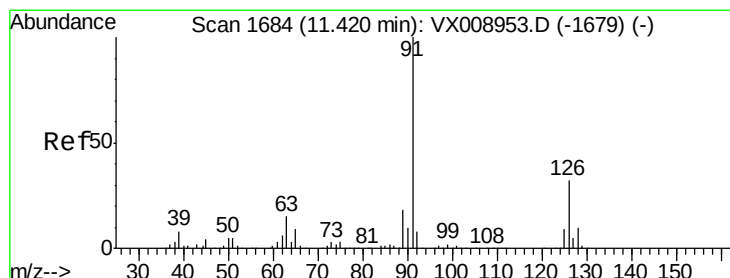
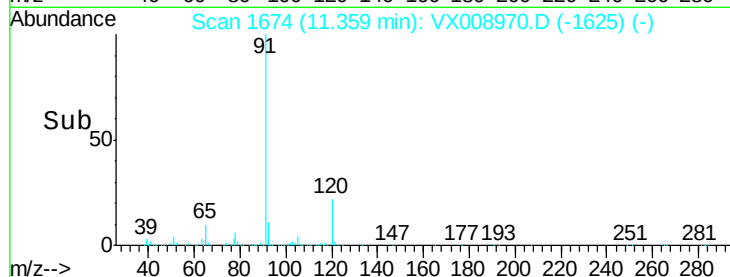
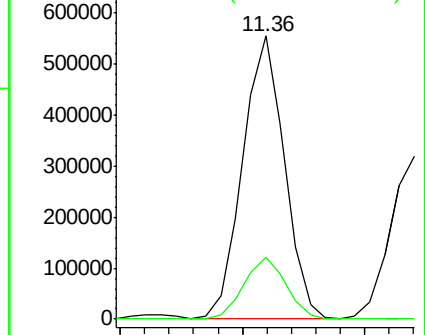
MMDadoda

4/16/2019 10:53:34 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 51.559 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008970.D

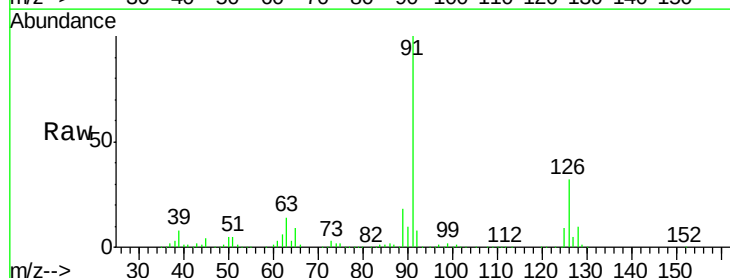
Acq: 15 Apr 2019 19:05

Tgt Ion: 91 Resp: 390456

Ion Ratio Lower Upper

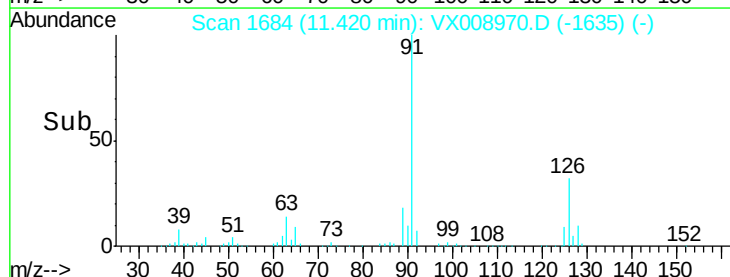
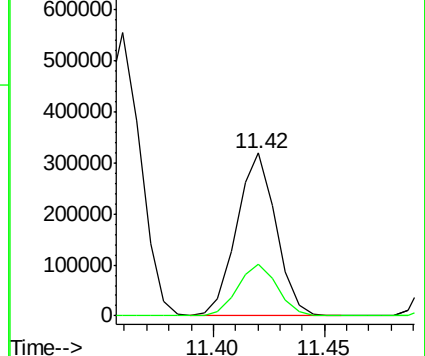
91 100

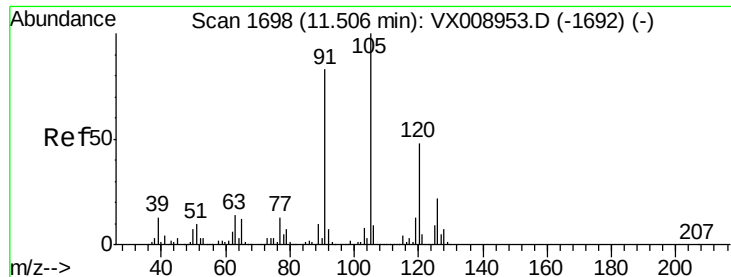
126 32.2 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





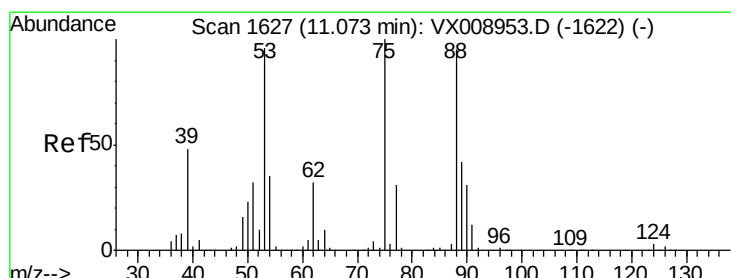
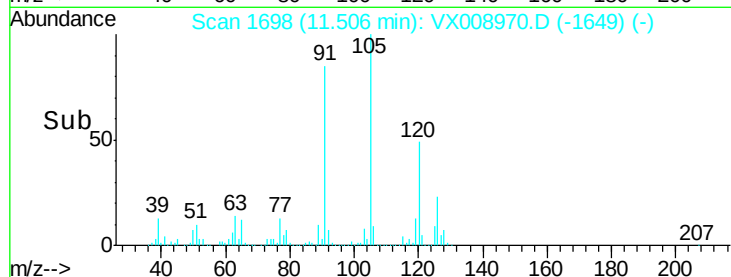
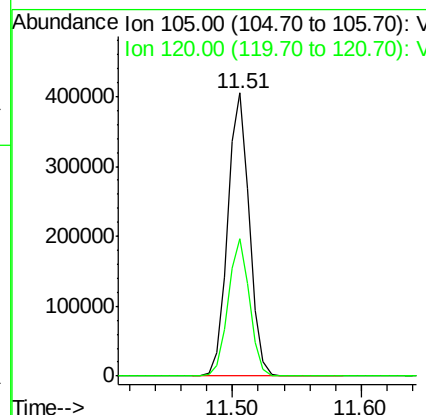
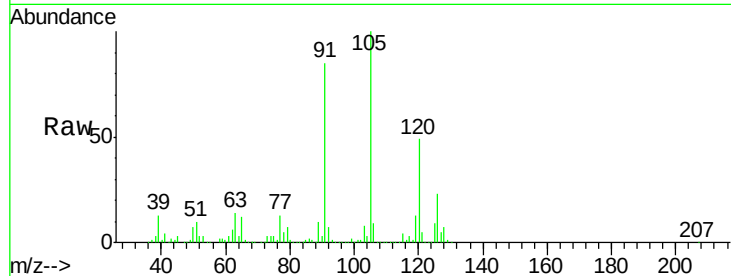
#80
 1,3,5-Trimethylbenzene
 Concen: 52.080 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.0	24.1	72.3

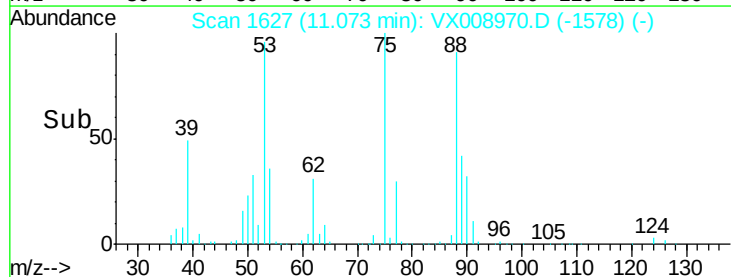
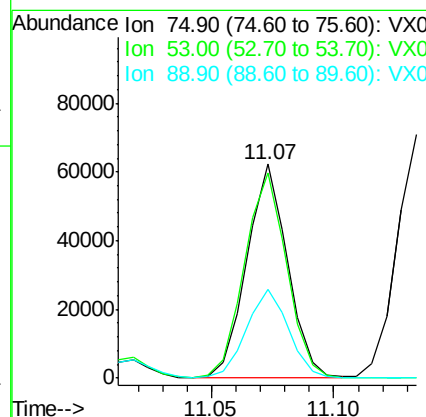
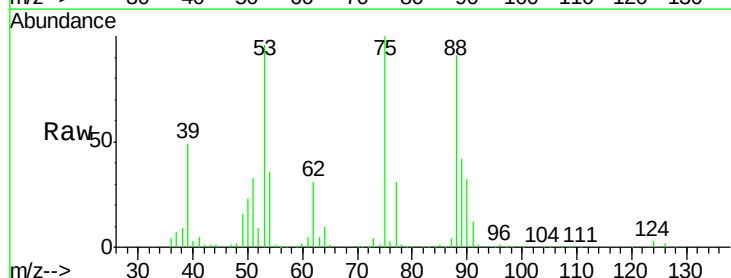
Manual Integrations
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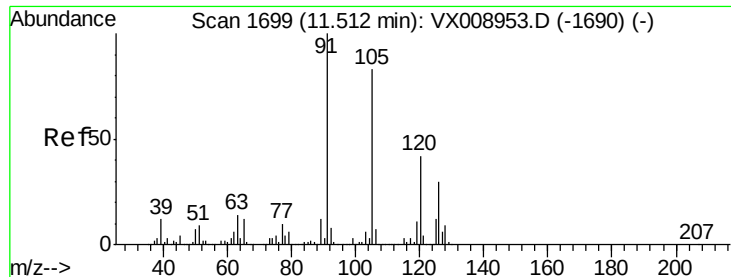
MMDadoda
 4/16/2019 10:53:34 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.193 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Tgt Ion	Ratio	Lower	Upper
75	100		
53	99.6	78.2	117.4
89	43.1	36.0	54.0





#82

4-Chlorotoluene

Concen: 51.328 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MS

Tot Ion: 91 Resp: 451436

Ion Ratio Lower Upper

91 100

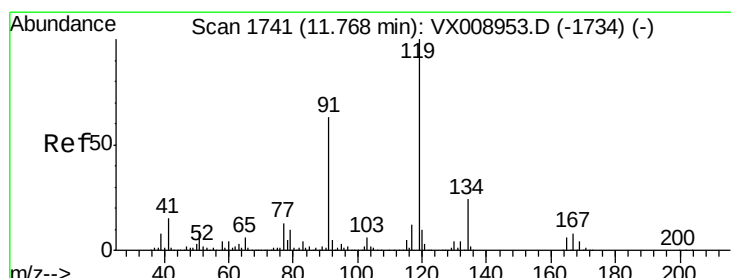
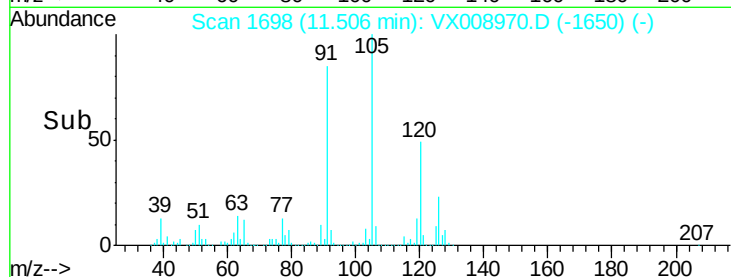
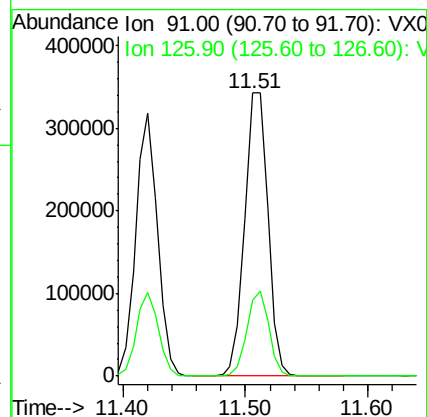
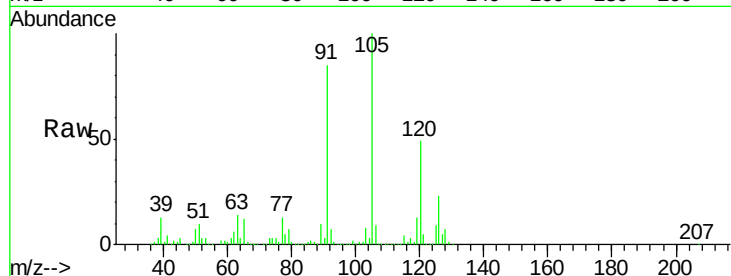
126 28.3 14.3 42.9

Manual Integrations

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MMDadoda

4/16/2019 10:53:34 AM



#83

tert-Butylbenzene

Concen: 52.045 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

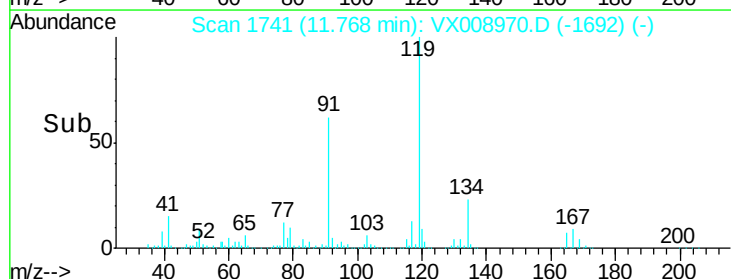
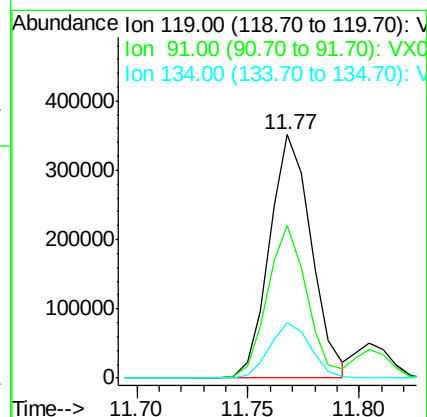
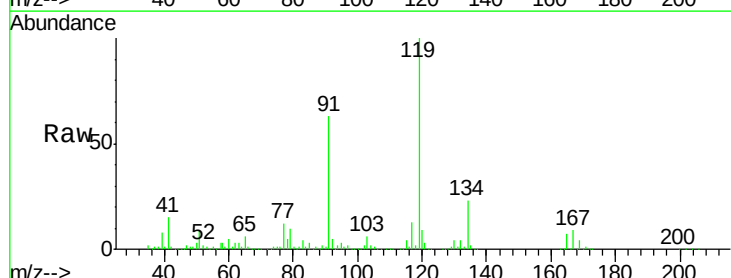
Tgt Ion: 119 Resp: 459113

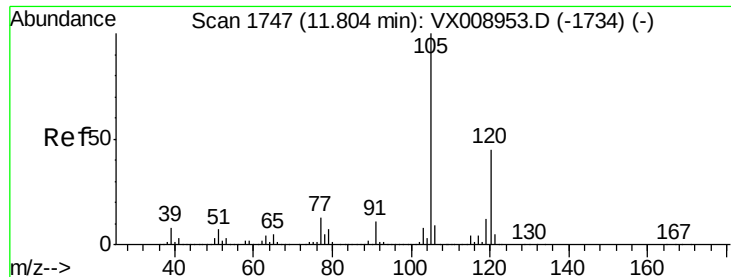
Ion Ratio Lower Upper

119 100

91 59.2 29.7 89.1

134 22.1 11.2 33.5





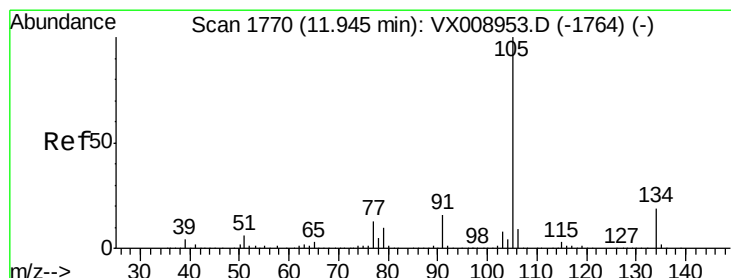
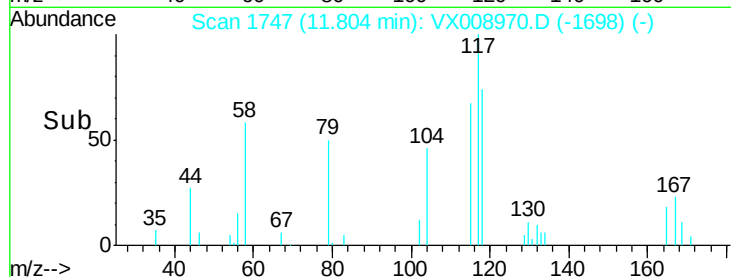
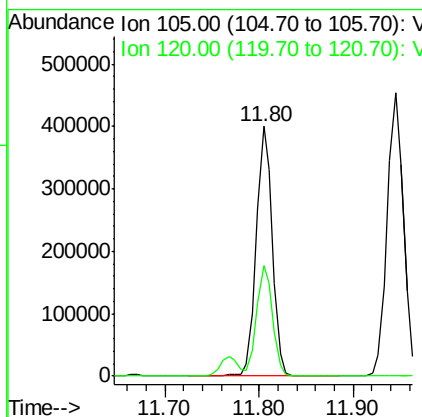
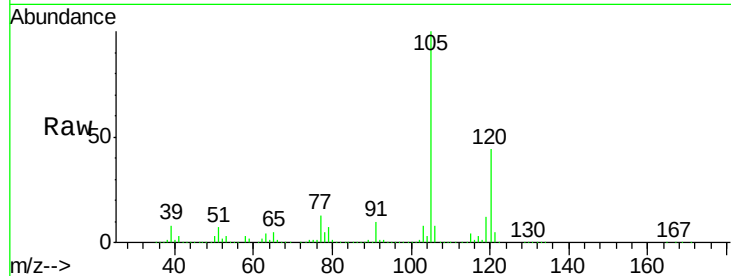
#84
 1,2,4-Trimethylbenzene
 Concen: 51.758 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.5	21.9	65.8

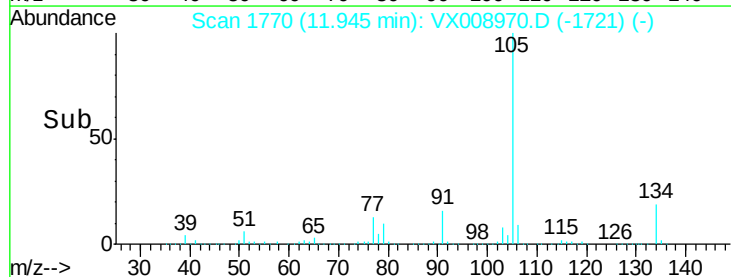
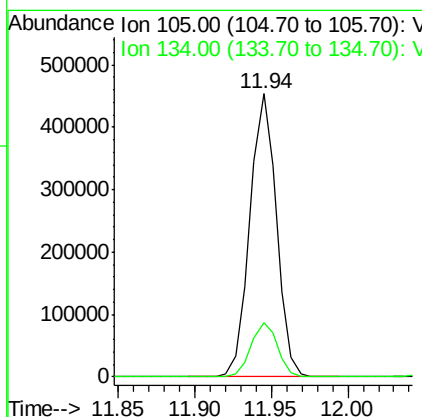
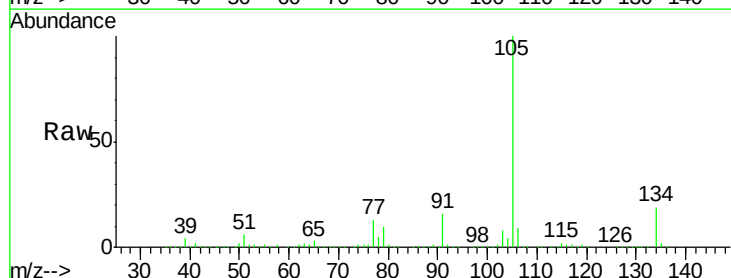
Manual Integrations
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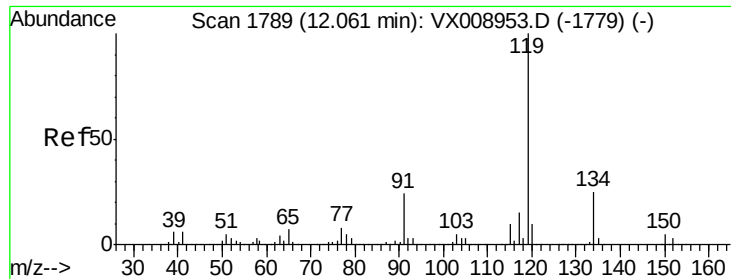
MMDadoda
 4/16/2019 10:53:34 AM



#85
 sec-Butylbenzene
 Concen: 52.000 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.6	28.6





#86

p-Isopropyltoluene

Concen: 51.261 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

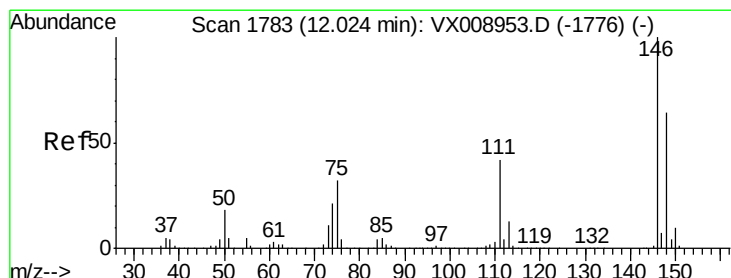
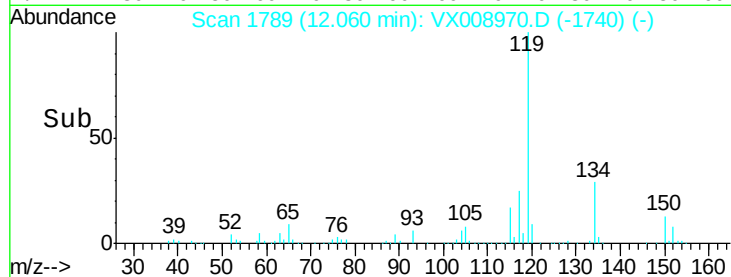
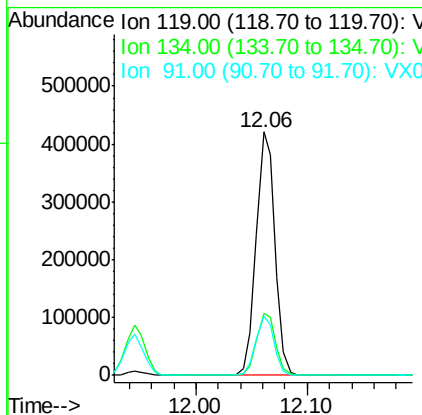
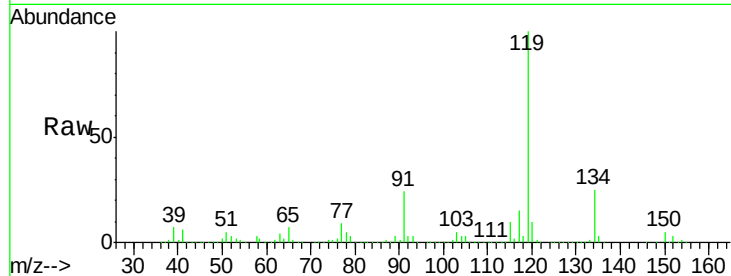
ClientSampleId :

M-16-190410MS

Tot Ion:	119	Resp:	495841
Ion Ratio	Lower	Upper	
119	100		
134	25.6	12.9	38.6
91	23.7	11.9	35.5

Manual Integrations
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#87

1,3-Dichlorobenzene

Concen: 50.186 ug/l

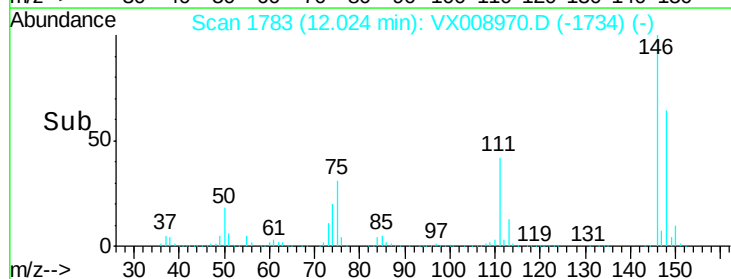
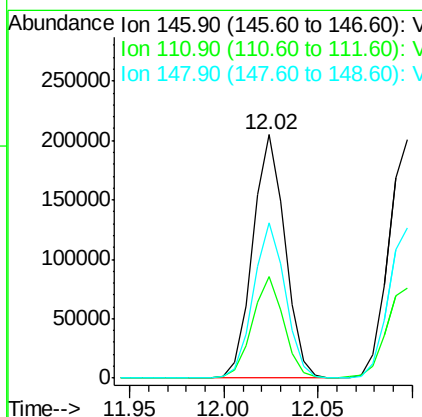
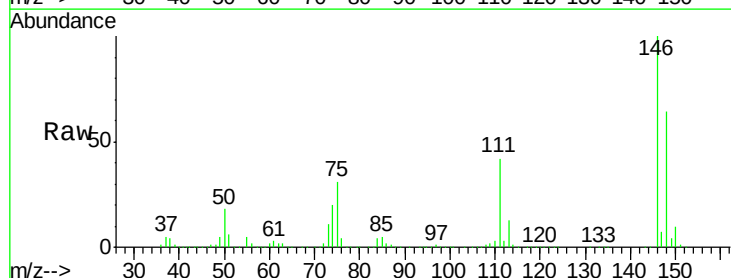
RT: 12.02 min Scan# 1783

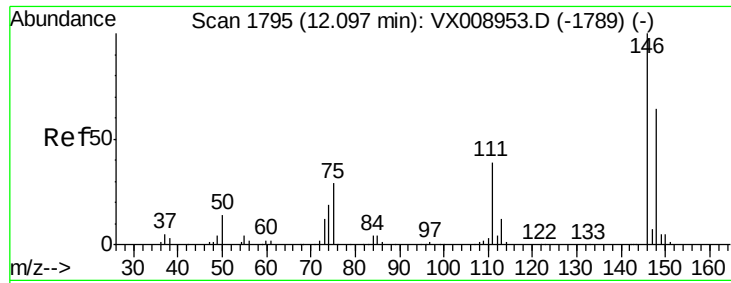
Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Tgt Ion:	146	Resp:	242656
Ion Ratio	Lower	Upper	
146	100		
111	40.6	20.5	61.6
148	63.5	32.2	96.6





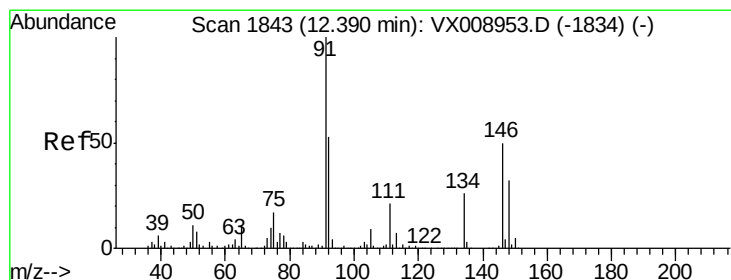
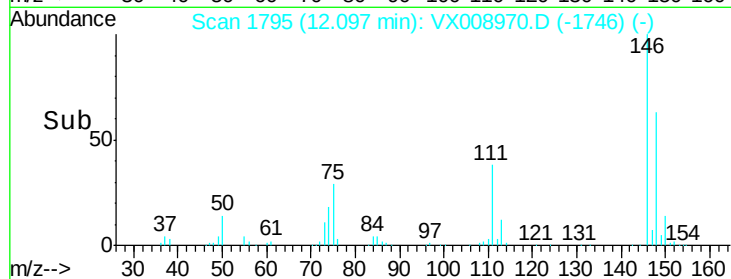
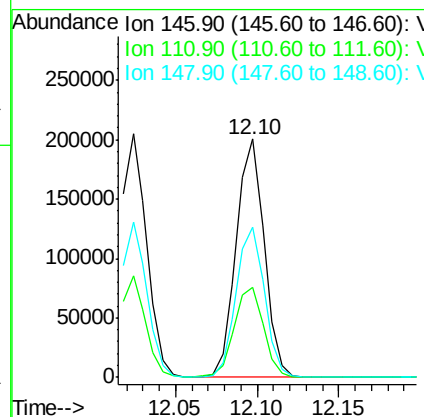
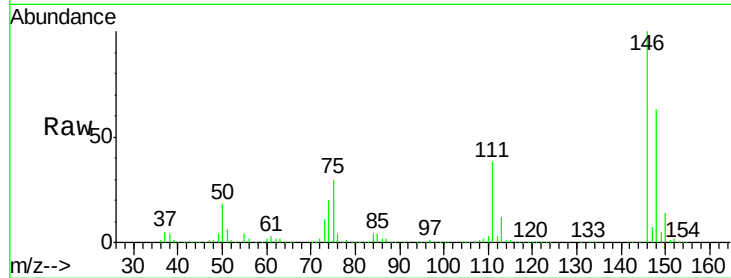
#88
 1,4-Dichlorobenzene
 Concen: 48.807 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	59.9
148	64.0	32.2	96.6

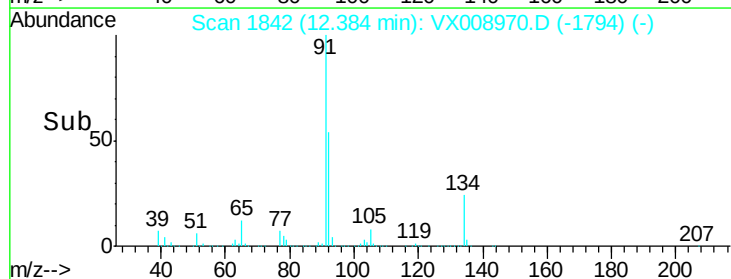
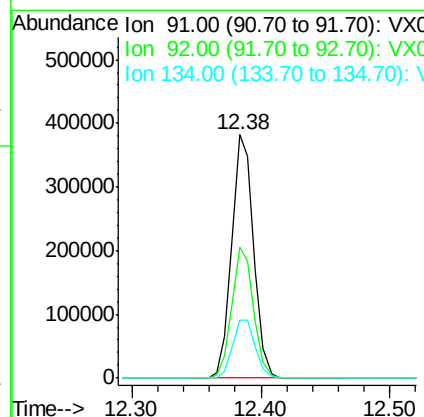
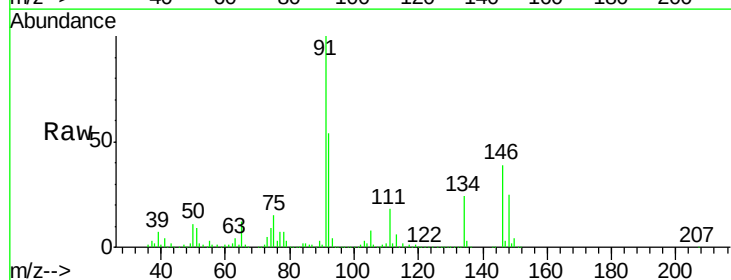
Manual Integrations
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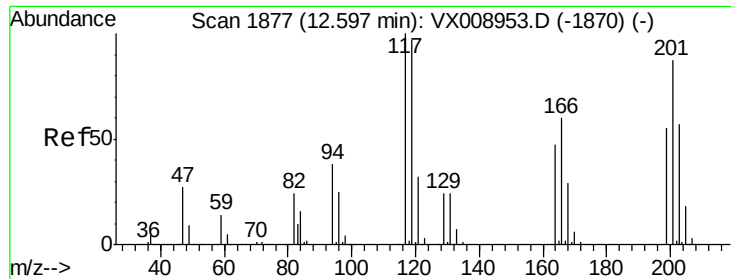
MMDadoda
 4/16/2019 10:53:34 AM



#89
 n-Butylbenzene
 Concen: 50.852 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. -0.01 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.6	79.8
134	24.8	12.4	37.2





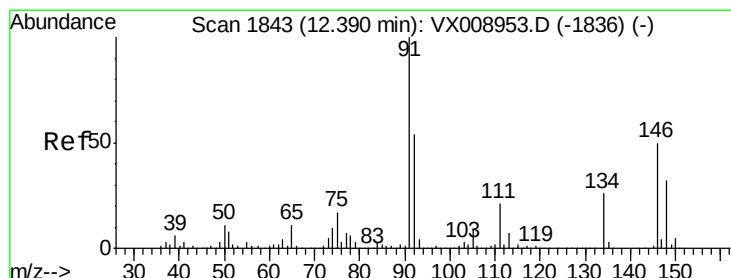
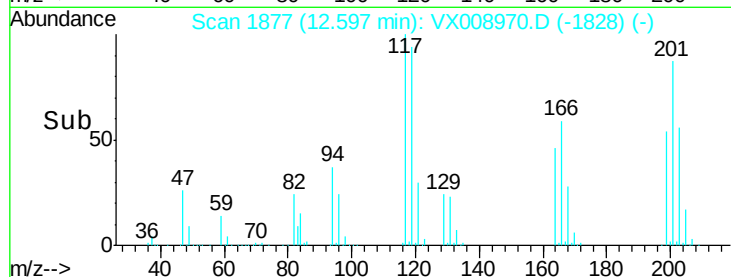
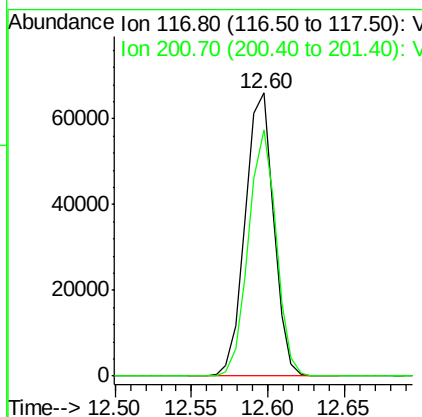
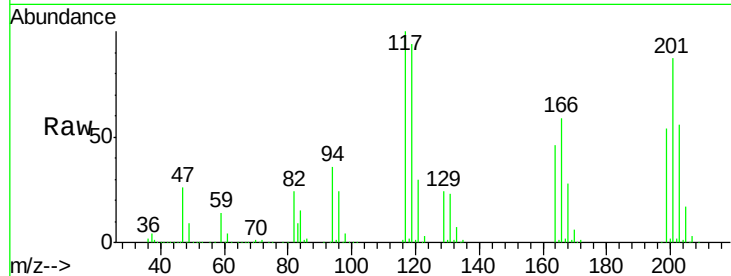
#90
Hexachloroethane
Concen: 53.739 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008970.D
Acq: 15 Apr 2019 19:05

Instrument :
MSVOA_X
ClientSampleId :
M-16-190410MS

Tot Ion:117 Resp: 85745
Ion Ratio Lower Upper
117 100
201 84.4 43.0 129.0

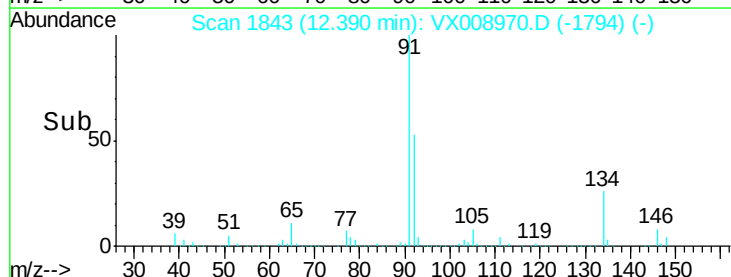
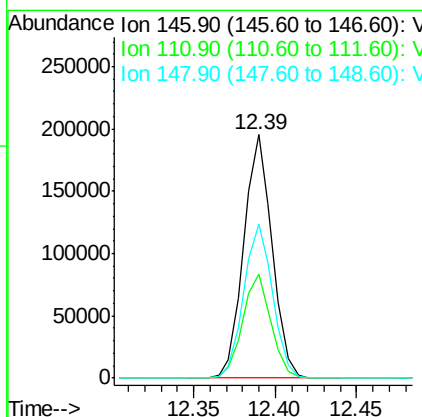
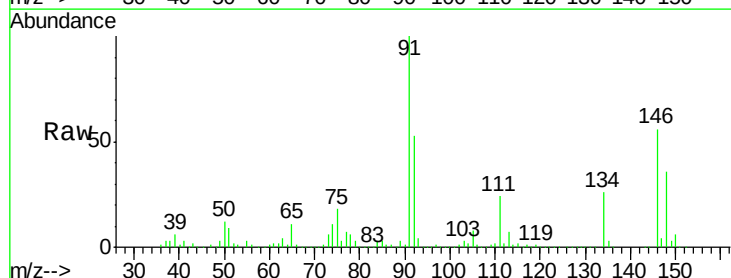
Manual Integrations
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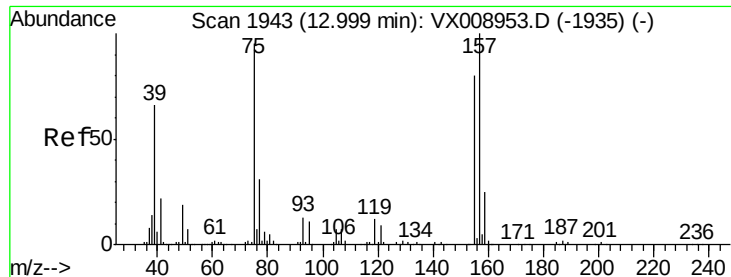
MMDadoda
4/16/2019 10:53:34 AM



#91
1,2-Dichlorobenzene
Concen: 49.641 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX008970.D
Acq: 15 Apr 2019 19:05

Tgt Ion:146 Resp: 237012
Ion Ratio Lower Upper
146 100
111 42.6 20.6 61.9
148 64.5 32.0 96.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 49.407 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MS

Tot Ion: 75 Resp: 45004

Ion Ratio Lower Upper

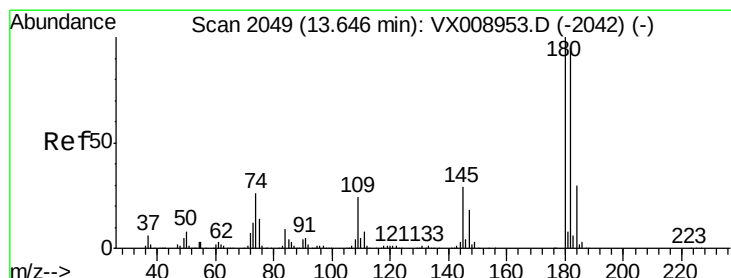
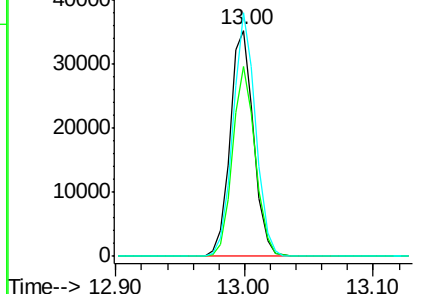
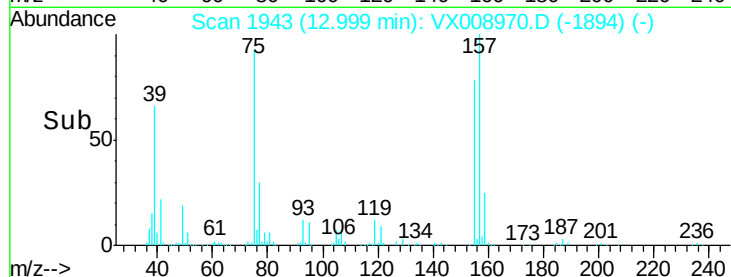
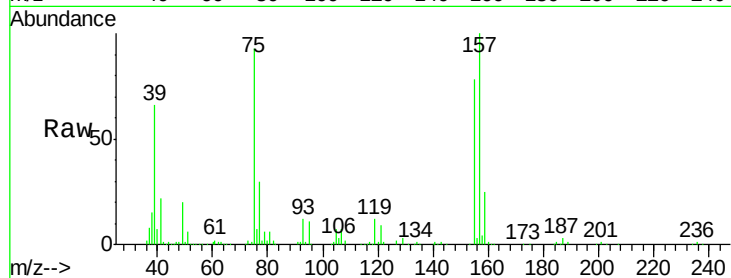
75 100

155 80.9 41.2 123.6

157 103.8 52.5 157.6

Manual Integrations
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4/16/2019 10:53:34 AM



#93

1,2,4-Trichlorobenzene

Concen: 48.442 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

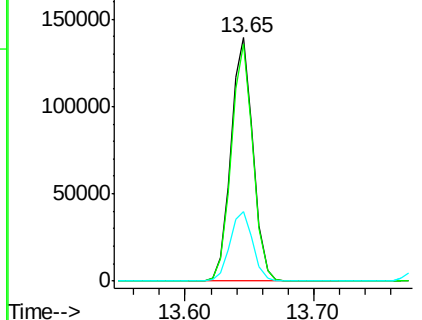
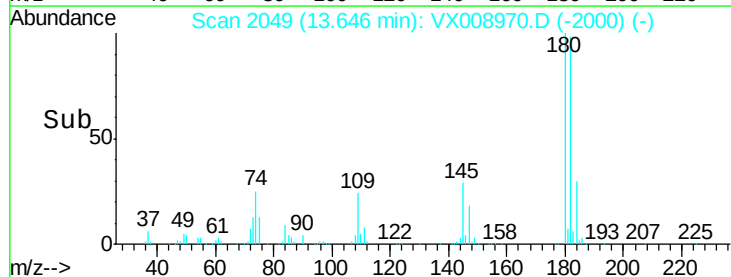
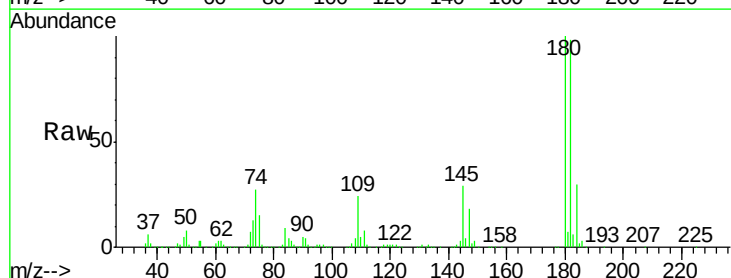
Tgt Ion: 180 Resp: 166958

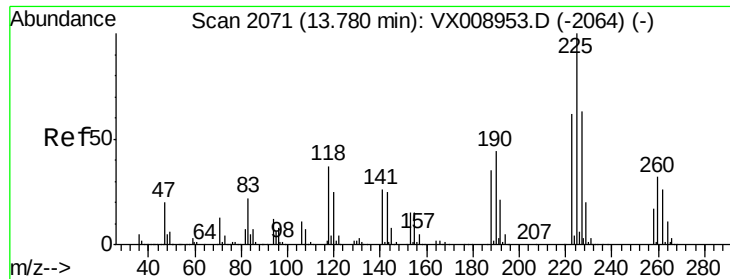
Ion Ratio Lower Upper

180 100

182 96.0 47.6 142.9

145 29.4 14.8 44.4





#94

Hexachlorobutadiene

Concen: 48.264 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Instrument :

MSVOA_X

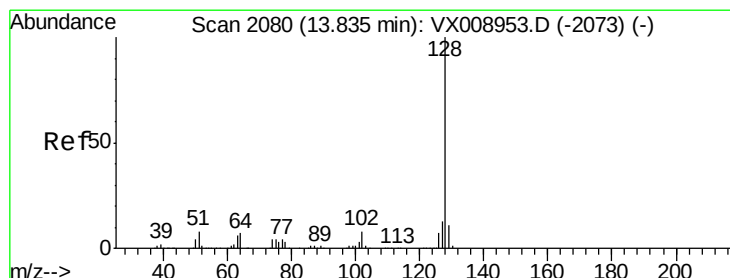
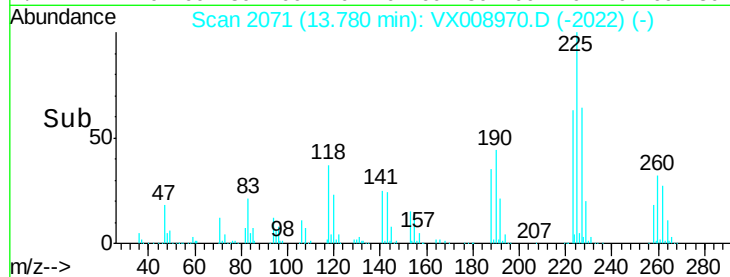
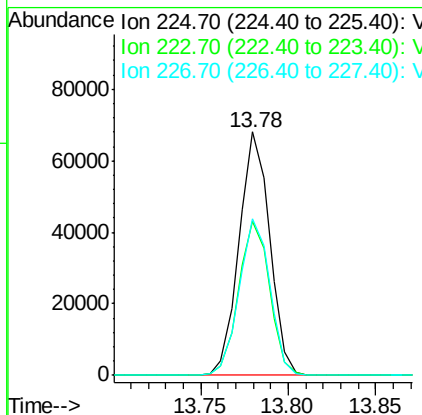
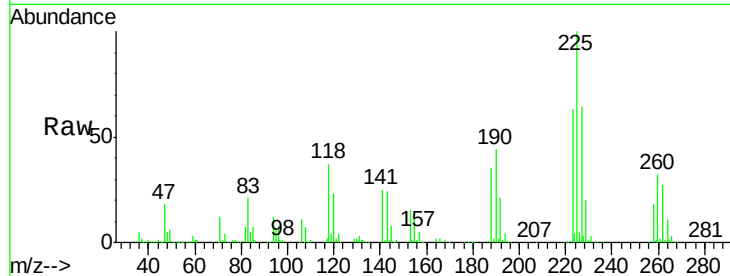
ClientSampleId :

M-16-190410MS

Tot Ion:	225	Resp:	82965
Ion Ratio	Lower	Upper	
225	100		
223	63.8	31.1	93.2
227	64.4	32.0	96.2

Manual Integrations
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4/16/2019 10:53:34 AM



#95

Naphthalene

Concen: 49.597 ug/l

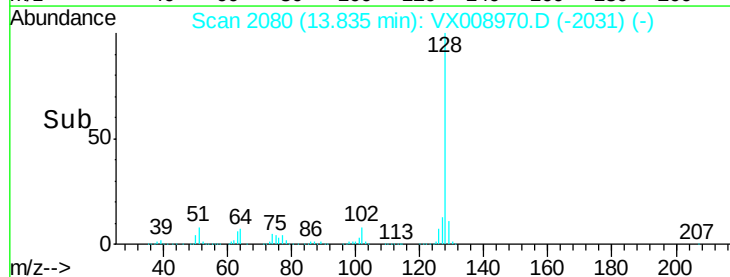
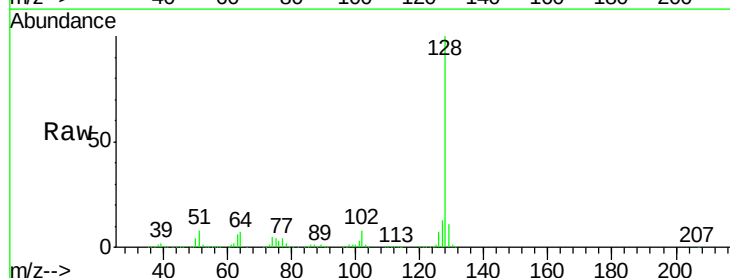
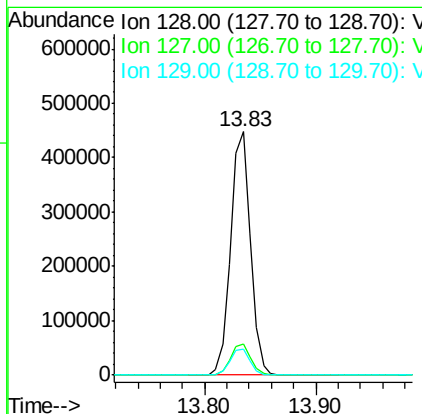
RT: 13.83 min Scan# 2080

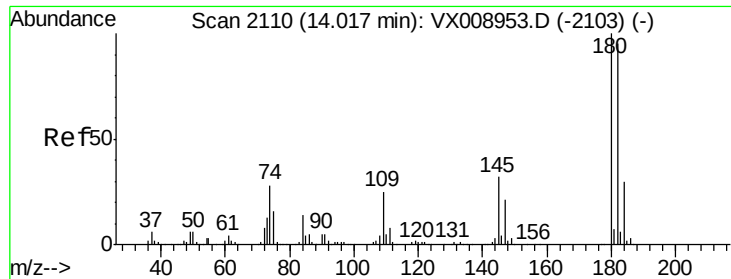
Delta R.T. -0.00 min

Lab File: VX008970.D

Acq: 15 Apr 2019 19:05

Tgt Ion:	128	Resp:	547662
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	16.0
129	10.8	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 48.901 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX008970.D
 Acq: 15 Apr 2019 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MS

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.7	47.8	143.4
145	31.2	15.8	47.3

Manual Integrations
 APPROVED

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 4/16/2019 10:53:34 AM

