

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042519\
 Data File : VX009174.D
 Acq On : 25 Apr 2019 19:50
 Operator : JC/SP
 Sample : K2555-03MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 HW-7MS

Manual Integrations
 APPROVED

MMdadoda
 4/26/2019 10:05:36 AM

Quant Time: Apr 26 06:53:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	189016	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	309465	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	281016	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	135444	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	119580	44.89	ug/l	0.00
Spiked Amount			Recovery	=	89.78%	
35) Dibromofluoromethane	5.50	113	88970	44.80	ug/l	0.00
Spiked Amount			Recovery	=	89.60%	
50) Toluene-d8	8.71	98	350125	44.20	ug/l	0.00
Spiked Amount			Recovery	=	88.40%	
62) 4-Bromofluorobenzene	11.13	95	127871	45.73	ug/l	0.00
Spiked Amount			Recovery	=	91.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	103966	47.754	ug/l	100
3) Chloromethane	1.32	50	125494	46.953	ug/l	100
4) Vinyl Chloride	1.40	62	122268	47.001	ug/l	99
5) Bromomethane	1.64	94	73242	45.349	ug/l	98
6) Chloroethane	1.71	64	74824	48.913	ug/l	97
7) Trichlorofluoromethane	1.92	101	141849	46.703	ug/l	99
8) Diethyl Ether	2.19	74	64886	46.713	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	88309	45.474	ug/l	99
10) Methyl Iodide	2.51	142	100068	47.383	ug/l	100
11) Tert butyl alcohol	3.06	59	157224	265.902	ug/l	100
12) 1,1-Dichloroethene	2.37	96	91276	45.031	ug/l	99
13) Acrolein	2.29	56	111587	218.415	ug/l	100
14) Allyl chloride	2.73	41	214040	48.401	ug/l	99
15) Acrylonitrile	3.14	53	386605	257.570	ug/l	100
16) Acetone	2.45	43	333133	241.161	ug/l	100
17) Carbon Disulfide	2.57	76	260760	43.934	ug/l	100
18) Methyl Acetate	2.78	43	151317	43.891	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	345658	47.859	ug/l	100
20) Methylene Chloride	2.85	84	108459	45.912	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	97464	45.080	ug/l	95
22) Diisopropyl ether	3.86	45	417266	48.558	ug/l	# 87
23) Vinyl Acetate	3.82	43	1617736	214.163	ug/l	98
24) 1,1-Dichloroethane	3.70	63	202949	47.048	ug/l	99
25) 2-Butanone	4.68	43	570563	258.404	ug/l	99
26) 2,2-Dichloropropane	4.58	77	119062	36.822	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	113393	46.195	ug/l	99
28) Bromochloromethane	5.02	49	91854	51.317	ug/l	99
29) Tetrahydrofuran	5.13	42	379513	256.796	ug/l	99
30) Chloroform	5.21	83	185380	48.025	ug/l	100
31) Cyclohexane	5.57	56	195822	46.155	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	152743	47.743	ug/l	100
36) 1,1-Dichloropropene	5.80	75	141255	44.135	ug/l	100
37) Ethyl Acetate	4.84	43	186161	45.203	ug/l	99
38) Carbon Tetrachloride	5.78	117	127934	47.150	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	171798	44.087	ug/l	99
40) Benzene	6.14	78	439103	46.506	ug/l	100
41) Methacrylonitrile	5.04	41	119554	50.580	ug/l	99
42) 1,2-Dichloroethane	6.20	62	157447	47.074	ug/l	100
43) Isopropyl Acetate	6.45	43	303824	45.779	ug/l	100
44) Trichloroethene	7.21	130	101760	43.987	ug/l	100
45) 1,2-Dichloropropane	7.51	63	124591	47.565	ug/l	97
46) Dibromomethane	7.66	93	71593	46.964	ug/l	99
47) Bromodichloromethane	7.90	83	144401	48.295	ug/l	100
48) Methyl methacrylate	7.77	41	165929	50.599	ug/l	98
49) 1,4-Dioxane	7.74	88	59026	961.679	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	1112035	263.010	ug/l	99
52) Toluene	8.79	92	265239	46.873	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	160580	46.666	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	177549	46.081	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	107164	47.784	ug/l	99
56) Ethyl methacrylate	9.18	69	198947	49.473	ug/l	98
57) 1,3-Dichloropropane	9.37	76	191266	47.899	ug/l	100
59) 2-Hexanone	9.49	43	882053	270.586	ug/l	99
60) Dibromochloromethane	9.59	129	106922	49.745	ug/l	99
61) 1,2-Dibromoethane	9.67	107	109852	47.459	ug/l	98
64) Tetrachloroethene	9.34	164	88524	41.467	ug/l	98
65) Chlorobenzene	10.14	112	271846	45.831	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	98067	46.931	ug/l	99
67) Ethyl Benzene	10.25	91	503668	46.451	ug/l	100
68) m/p-Xylenes	10.36	106	368082	93.407	ug/l	99
69) o-Xylene	10.70	106	181707	47.390	ug/l	99
70) Stvrene	10.71	104	317147	47.731	ug/l	99
71) Bromoform	10.85	173	81217	48.787	ug/l #	99
73) Isopropylbenzene	11.02	105	479308	46.687	ug/l	100
74) N-amyl acetate	10.90	43	258291	43.817	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	185354	49.412	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	155519m	47.023	ug/l	
77) Bromobenzene	11.26	156	118169	45.620	ug/l	99
78) n-propylbenzene	11.36	91	555307	47.125	ug/l	100
79) 2-Chlorotoluene	11.42	91	331095	46.628	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	405946	47.120	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	57447	44.593	ug/l	96
82) 4-Chlorotoluene	11.51	91	381070	46.208	ug/l	100
83) tert-Butylbenzene	11.77	119	400113	48.373	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	408854	46.622	ug/l	100
85) sec-Butylbenzene	11.94	105	464856	47.122	ug/l	100
86) p-Isopropyltoluene	12.06	119	419102	46.209	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	209014	46.103	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	208803	45.434	ug/l	100
89) n-Butylbenzene	12.38	91	378449	44.805	ug/l	99
90) Hexachloroethane	12.60	117	70781	47.311	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	214984	48.022	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	44623	52.247	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	147678	45.697	ug/l	100

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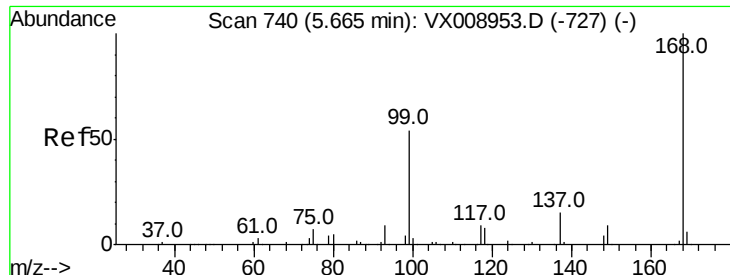
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	71066	44.091	ug/l	98
95) Naphthalene	13.83	128	507313	48.998	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	150625	47.239	ug/l	100

(#) = 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: VX009174.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_X

ClientSampled :

HW-7MS

Tot Ion:168 Resp: 189016

Ion Ratio Lower Upper

168 100

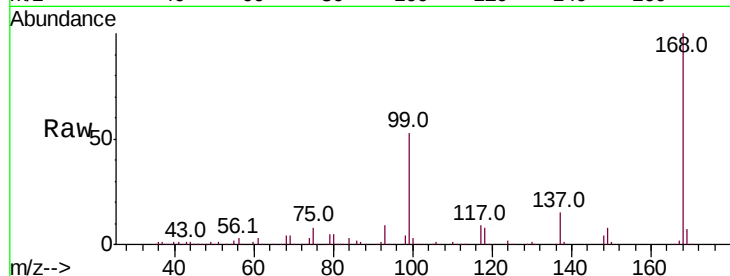
99 52.7 43.0 64.6

Manual Integrations

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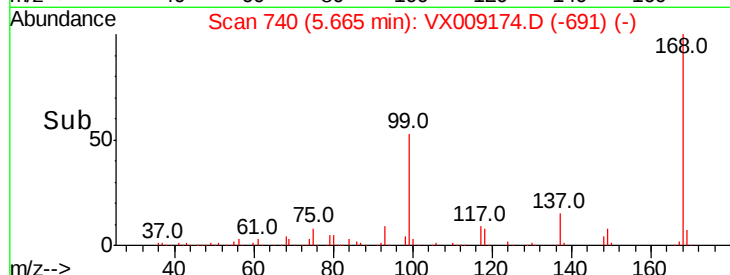


Abundance Ion 167.90 (167.60 to 168.60): V

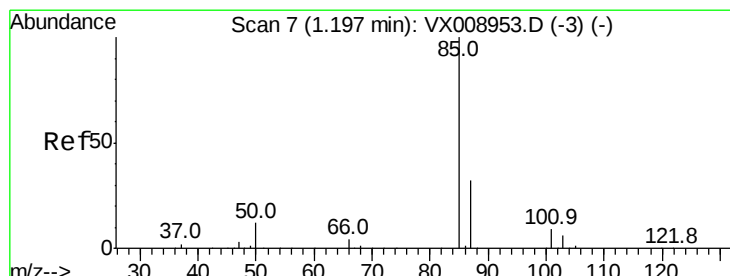
Ion 98.90 (98.60 to 99.60): VX0

5.67

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: 47.754 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009174.D

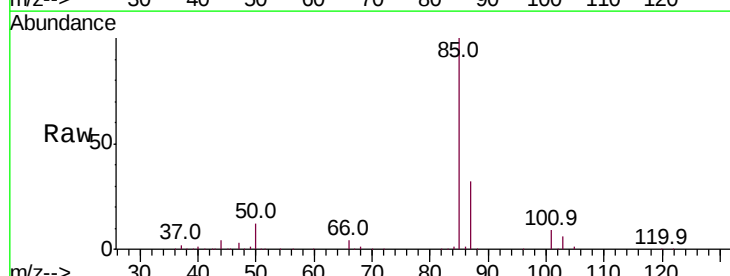
Acq: 25 Apr 2019 19:50

Tgt Ion: 85 Resp: 103966

Ion Ratio Lower Upper

85 100

87 32.1 16.0 47.9

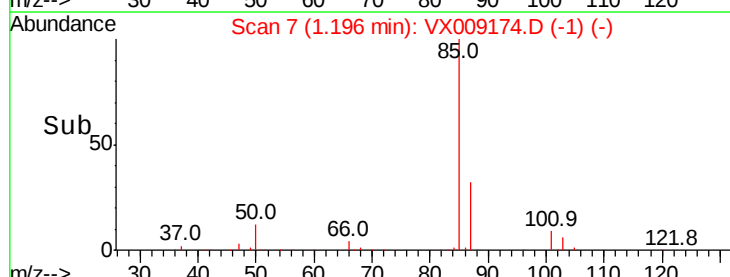


Abundance Ion 84.90 (84.60 to 85.60): VX0

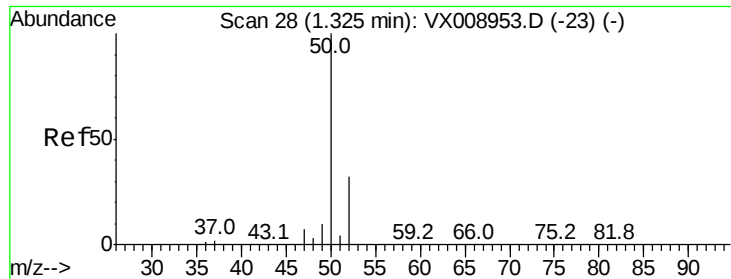
Ion 86.90 (86.60 to 87.60): VX0

1.20

Time-->



Time-->



#3

Chloromethane

Concen: 46.953 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_X

ClientSampled :

HW-7MS

Tot Ion: 50 Resp: 125494

Ion Ratio Lower Upper

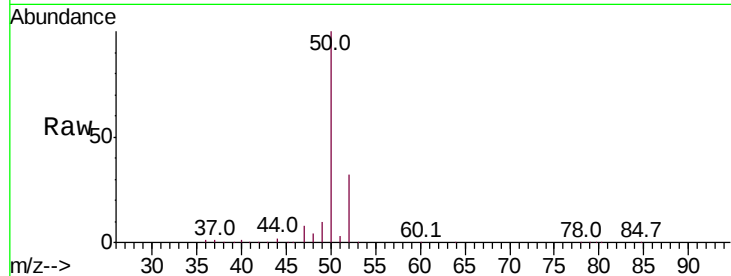
50 100

52 32.1 25.5 38.3

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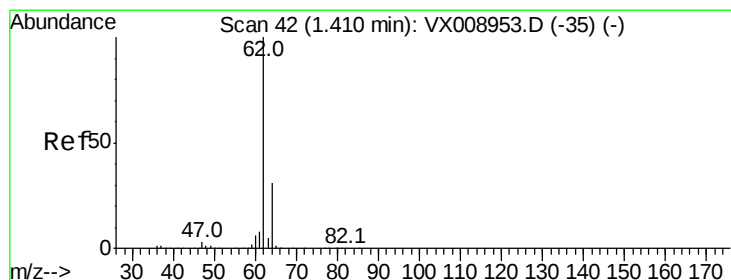
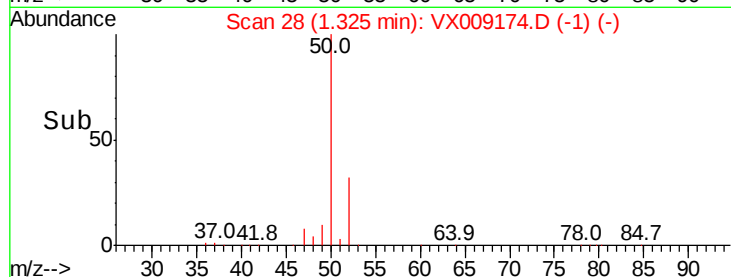
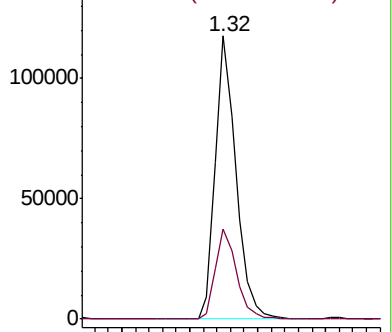
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 47.001 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009174.D

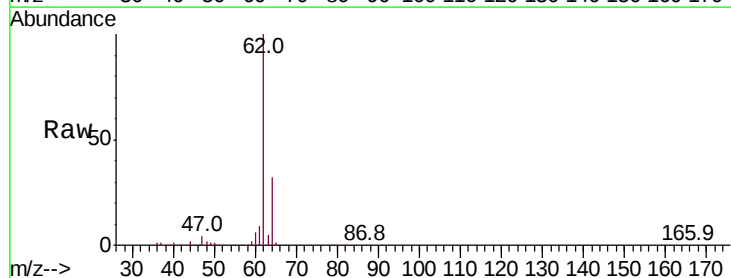
Acq: 25 Apr 2019 19:50

Tgt Ion: 62 Resp: 122268

Ion Ratio Lower Upper

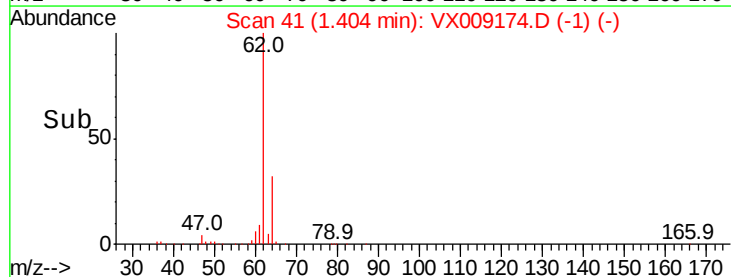
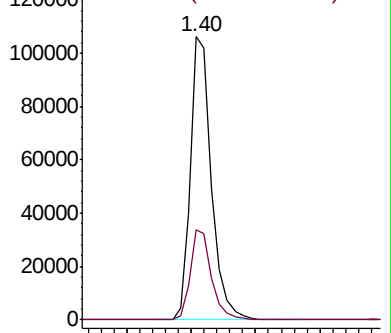
62 100

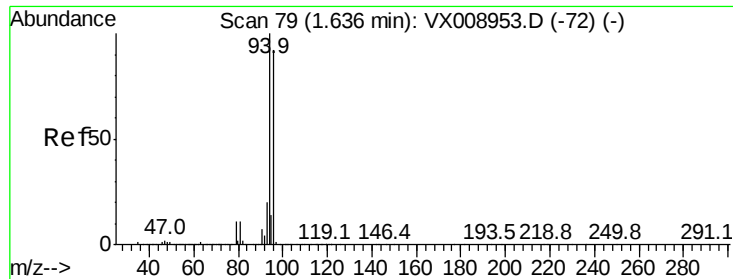
64 31.7 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 45.349 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

HW-7MS

Tot Ion: 94 Resp: 73242

Ion Ratio Lower Upper

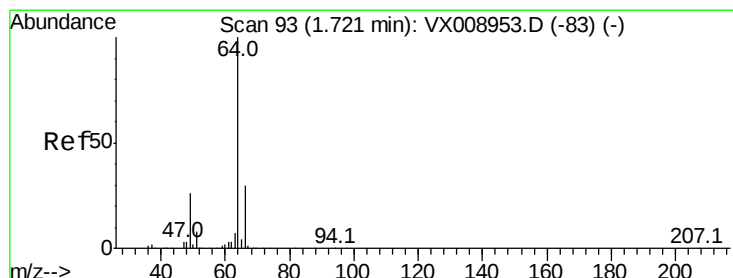
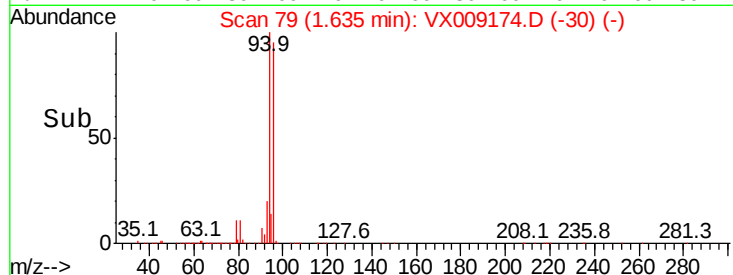
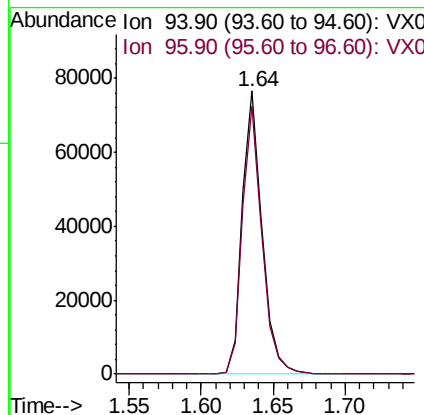
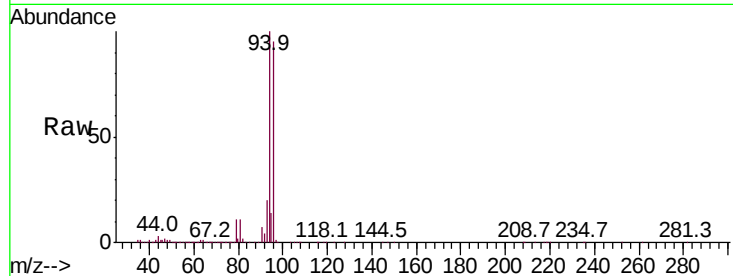
94 100

96 94.5 73.9 110.9

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#6

Chloroethane

Concen: 48.913 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX009174.D

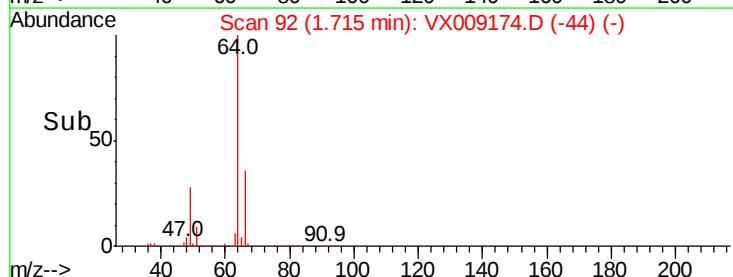
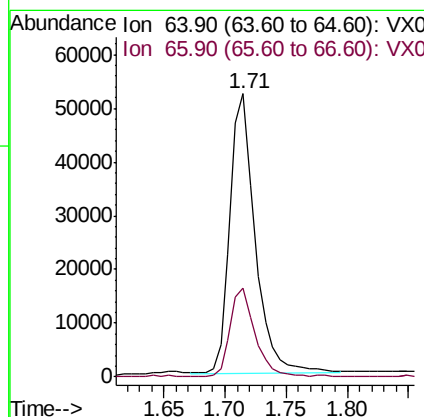
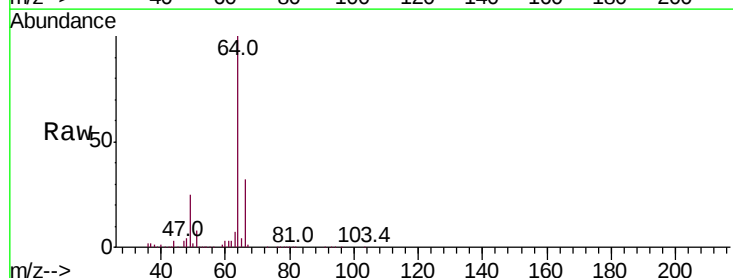
Acq: 25 Apr 2019 19:50

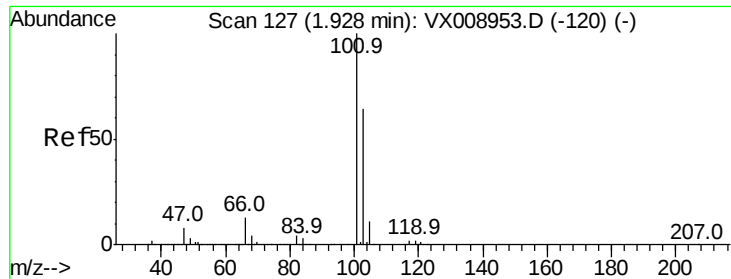
Tgt Ion: 64 Resp: 74824

Ion Ratio Lower Upper

64 100

66 31.8 24.2 36.2





#7

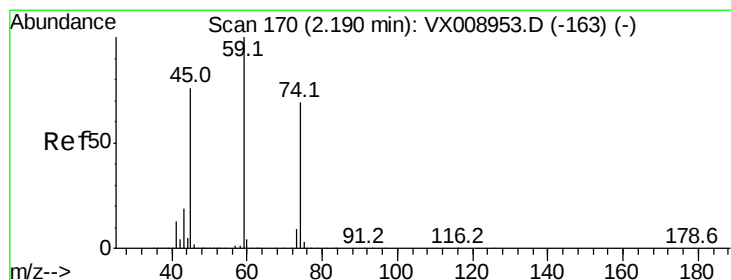
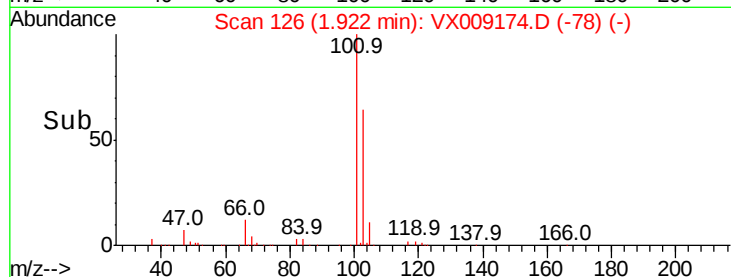
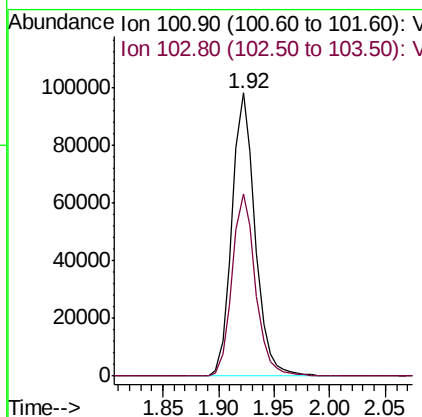
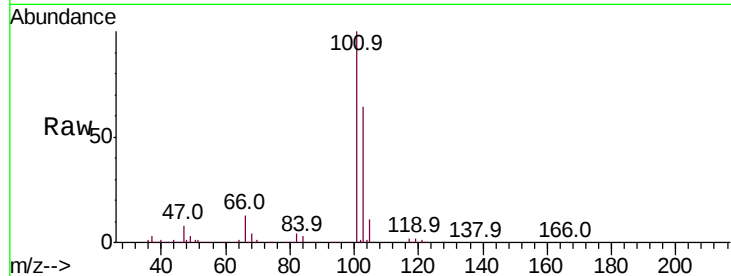
Trichlorofluoromethane
Concen: 46.703 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX009174.D
Acq: 25 Apr 2019 19:50

Instrument :
MSVOA_X
ClientSampled :
HW-7MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.0	76.6

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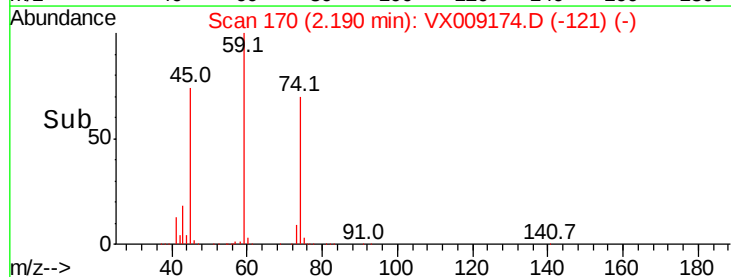
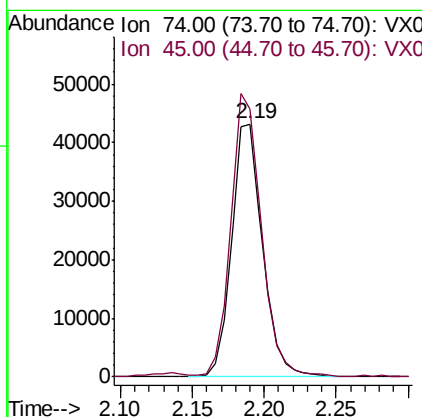
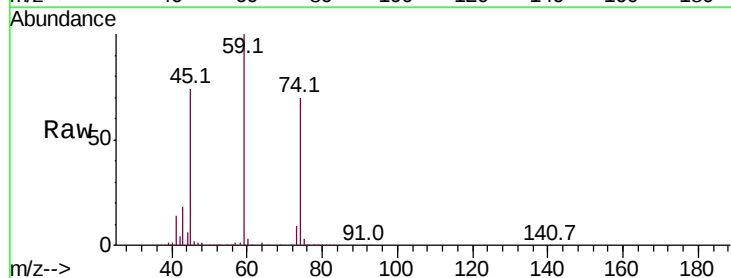
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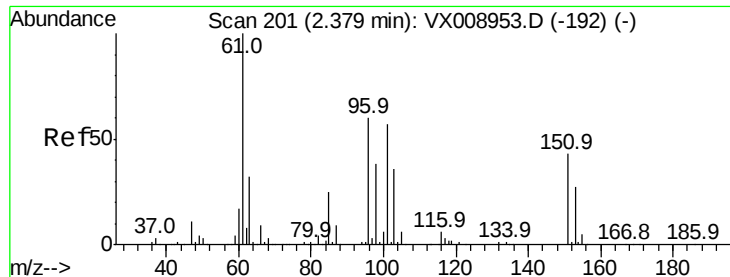


#8

Diethyl Ether
Concen: 46.713 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX009174.D
Acq: 25 Apr 2019 19:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.3	54.9	164.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.474 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_X

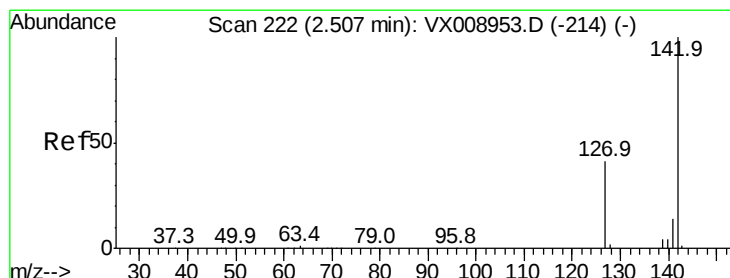
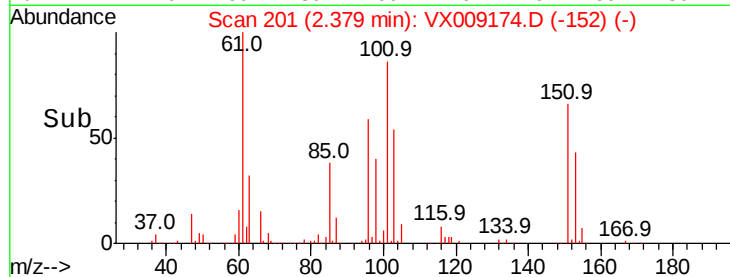
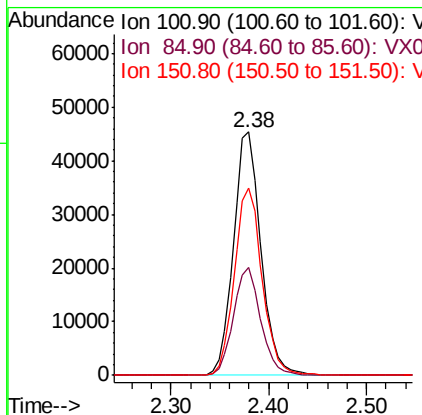
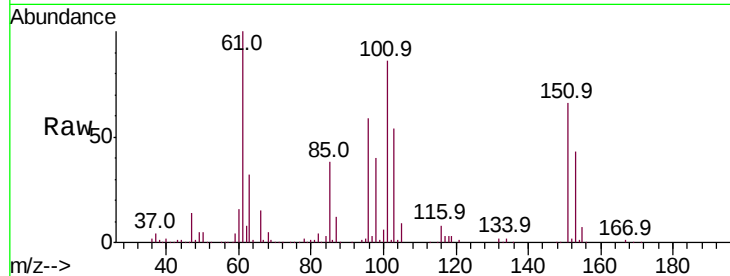
ClientSampleId :

HW-7MS

Tot Ion:	101	Resp:	88309
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.7	53.5
151	77.6	62.7	94.1

Manual Integrations
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#10

Methyl Iodide

Concen: 47.383 ug/l

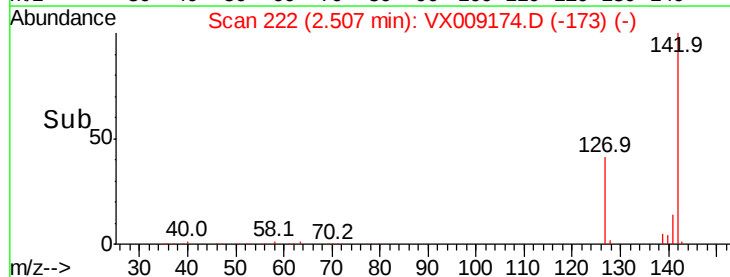
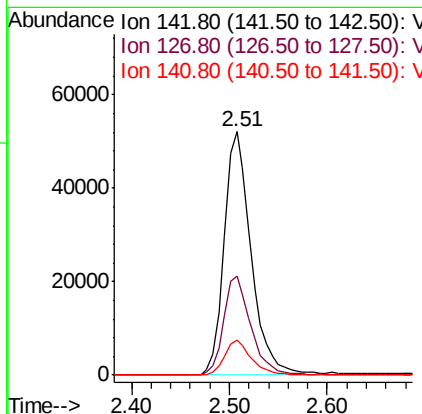
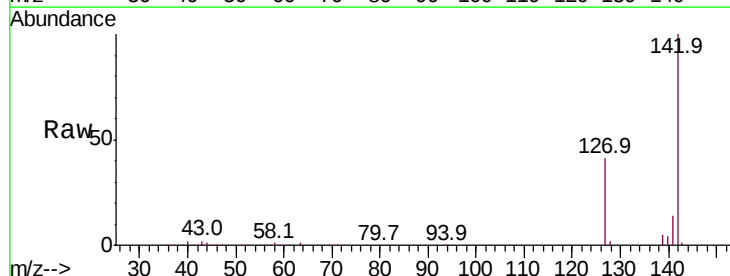
RT: 2.51 min Scan# 222

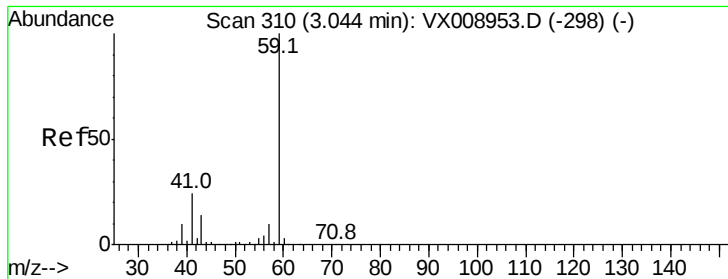
Delta R.T. 0.00 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

Tgt Ion:	142	Resp:	100068
Ion Ratio	Lower	Upper	
142	100		
127	41.1	32.8	49.2
141	14.5	11.4	17.2





#11

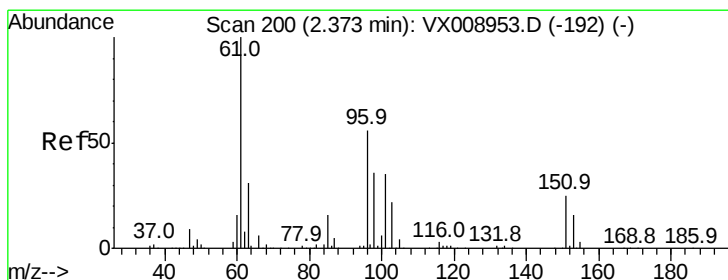
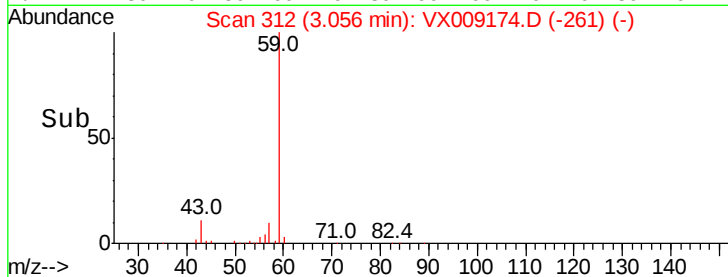
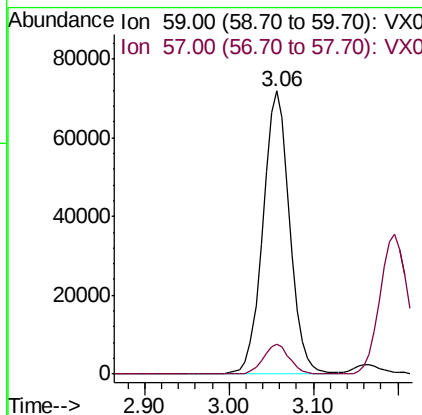
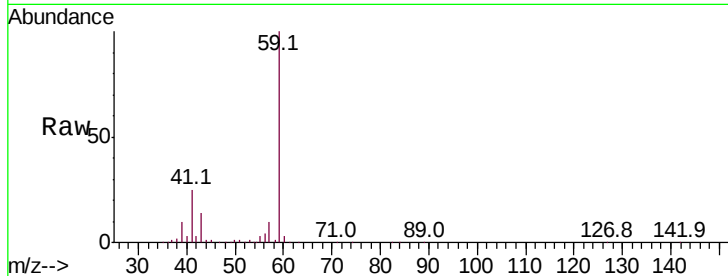
Tert butyl alcohol
Concen: 265.902 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009174.D
Acq: 25 Apr 2019 19:50

Instrument :
MSVOA_X
ClientSampleId :
HW-7MS

Tot Ion: 59 Resp: 157224
Ion Ratio Lower Upper
59 100
57 10.3 8.4 12.6

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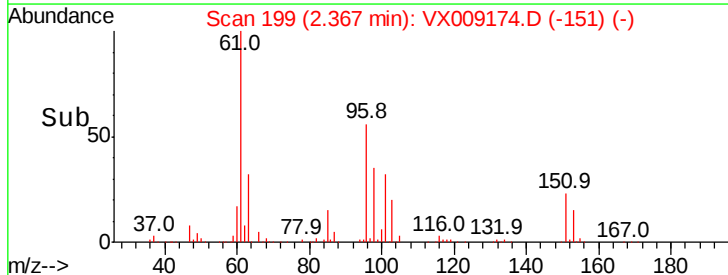
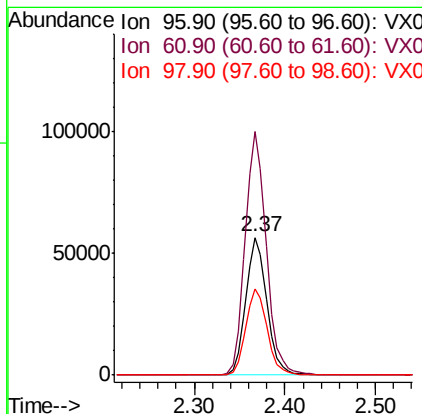
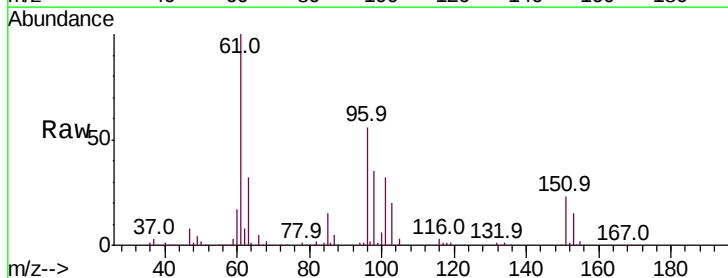
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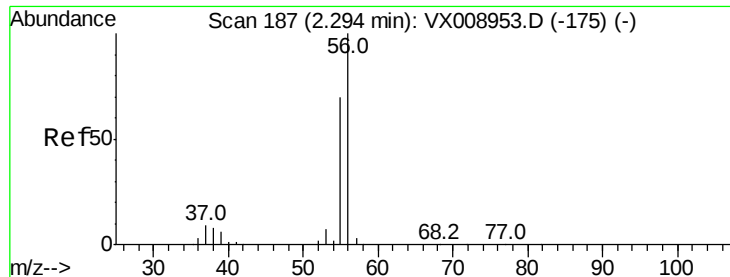


#12

1,1-Dichloroethene
Concen: 45.031 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX009174.D
Acq: 25 Apr 2019 19:50

Tgt Ion: 96 Resp: 91276
Ion Ratio Lower Upper
96 100
61 177.0 142.2 213.2
98 62.5 50.9 76.3





#13

Acrolein

Concen: 218.415 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

HW-7MS

Tot Ion: 56 Resp: 111587

Ion Ratio Lower Upper

56 100

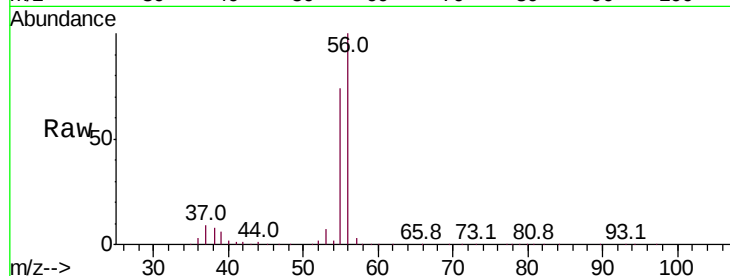
55 70.8 56.6 84.8

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

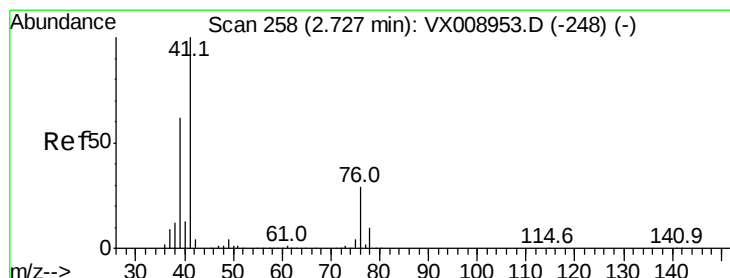
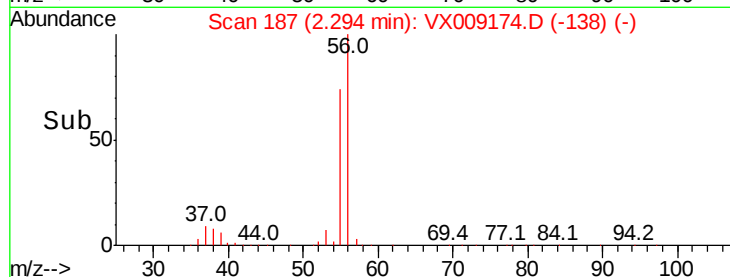
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 48.401 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

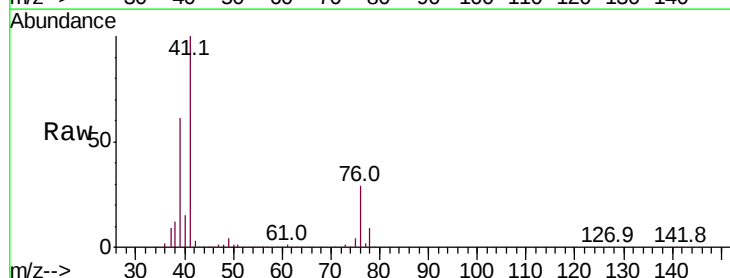
Tgt Ion: 41 Resp: 214040

Ion Ratio Lower Upper

41 100

39 57.3 46.7 70.1

76 26.7 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

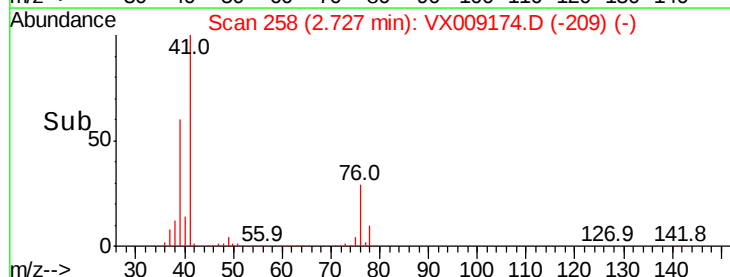
150000

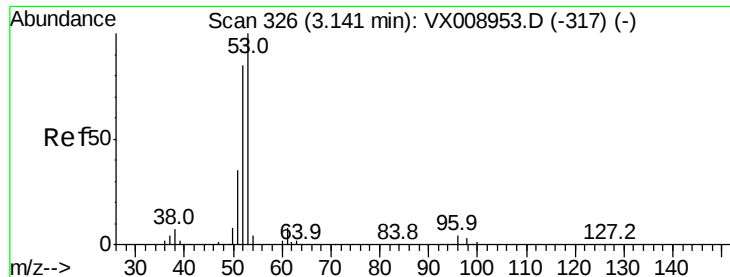
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 257.570 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_X

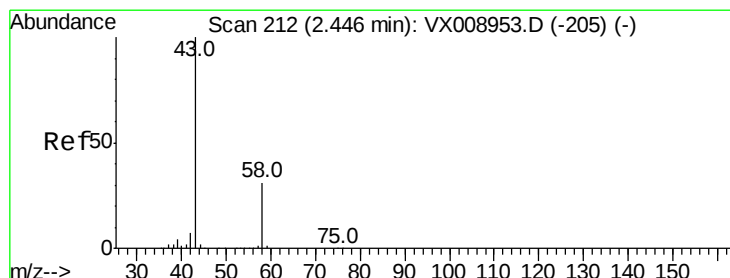
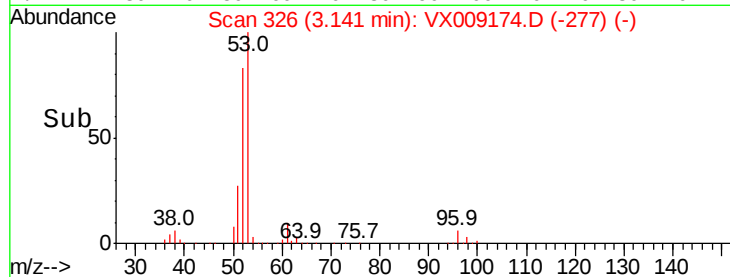
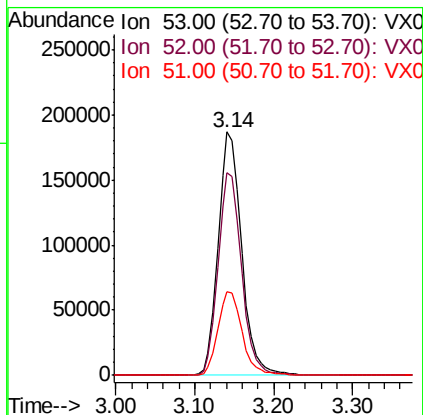
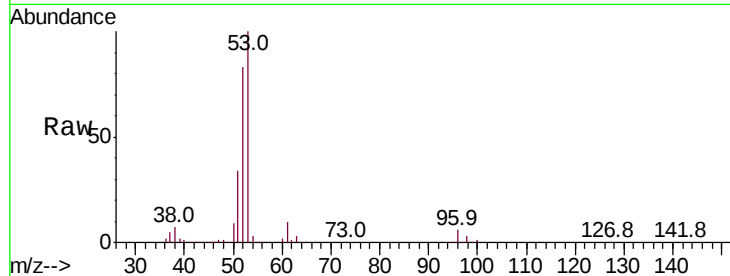
ClientSampled :

HW-7MS

Tot Ion:	53	Resp:	386605
Ion Ratio	Lower	Upper	
53	100		
52	83.4	66.6	100.0
51	35.5	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 241.161 ug/l

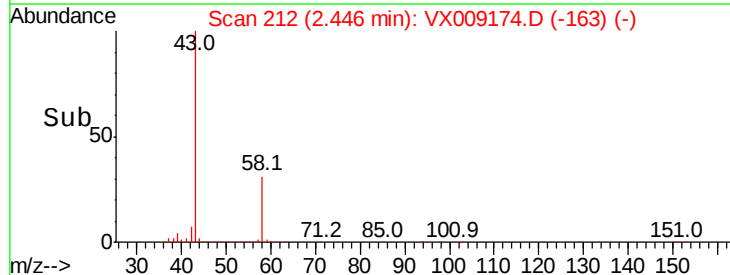
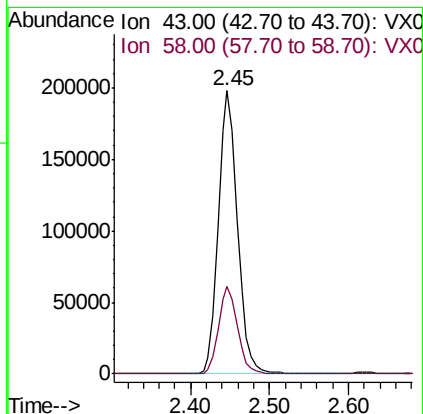
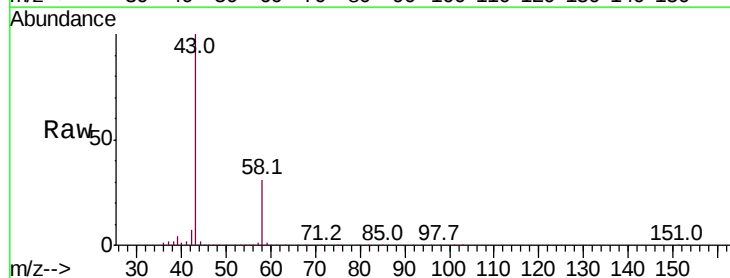
RT: 2.45 min Scan# 212

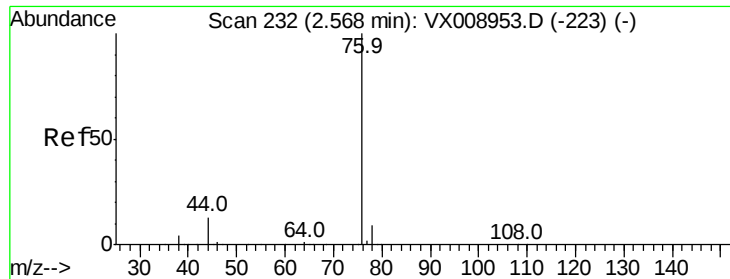
Delta R.T. -0.00 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

Tgt Ion:	43	Resp:	333133
Ion Ratio	Lower	Upper	
43	100		
58	30.8	24.8	37.2





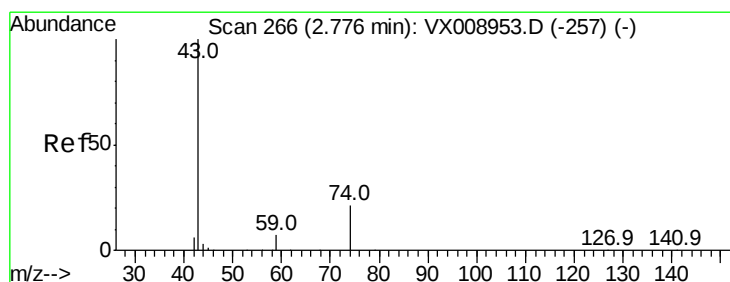
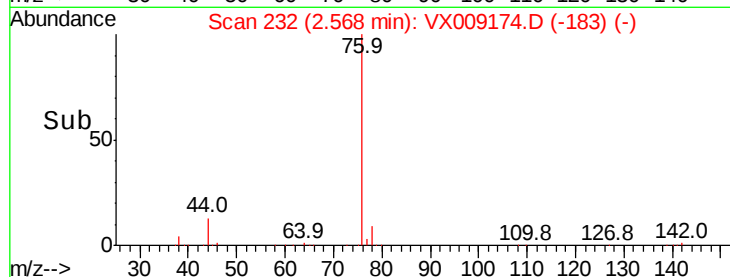
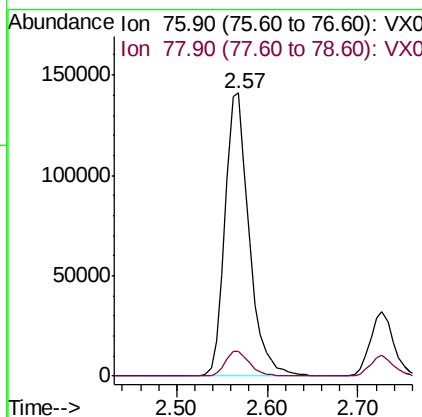
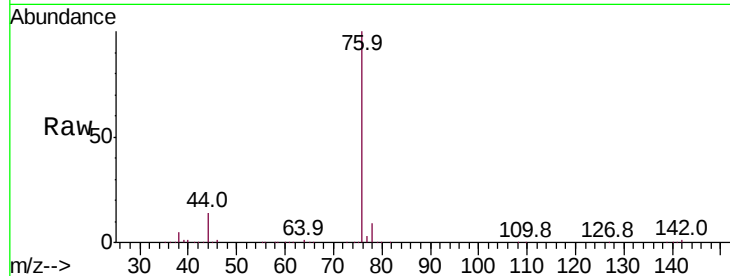
#17
Carbon Disulfide
Concen: 43.934 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009174.D
Acq: 25 Apr 2019 19:50

Instrument :
MSVOA_X
ClientSampleId :
HW-7MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

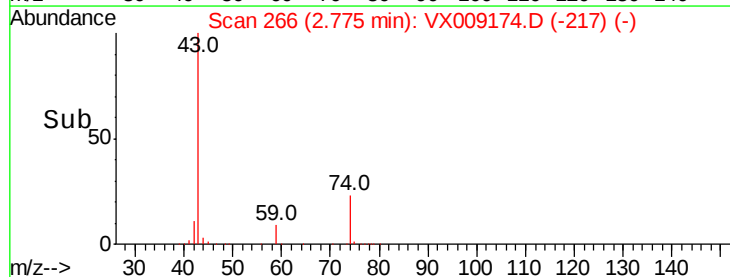
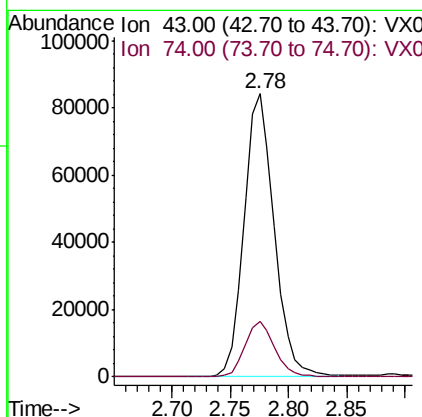
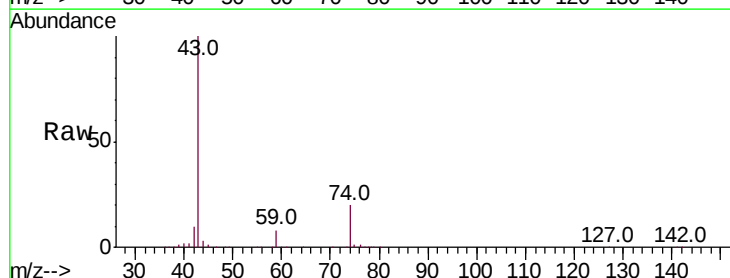
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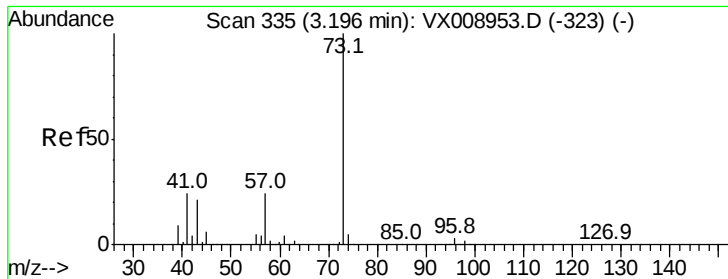
MMDadoda
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#18
Methyl Acetate
Concen: 43.891 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009174.D
Acq: 25 Apr 2019 19:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.9	16.6	25.0





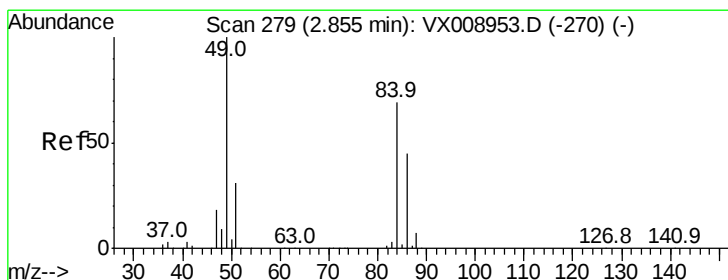
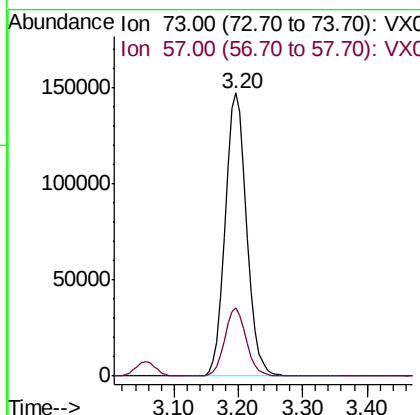
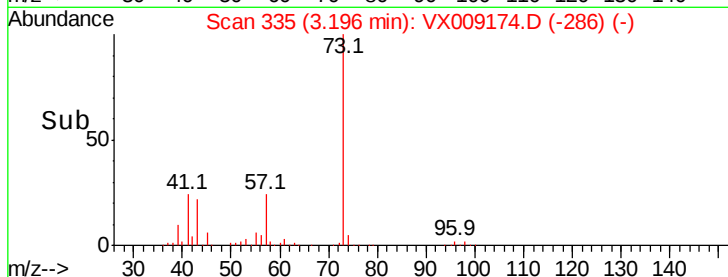
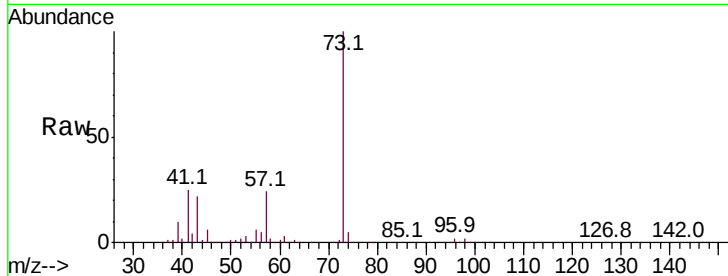
#19
Methvl tert-butvl Ether
Concen: 47.859 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009174.D
Acq: 25 Apr 2019 19:50

Instrument :
MSVOA_X
ClientSampleId :
HW-7MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.2	19.2	28.8

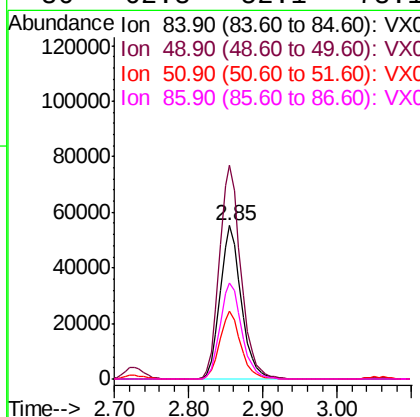
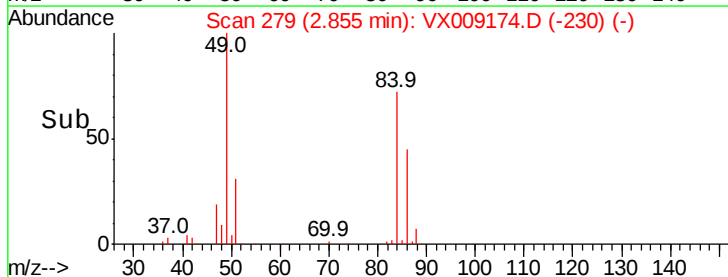
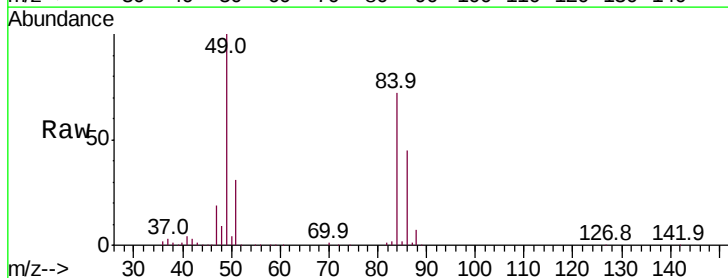
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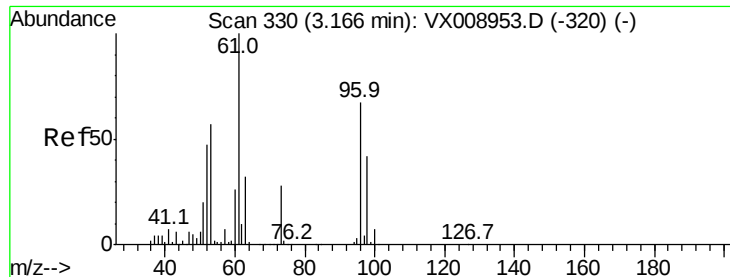
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#20
Methylene Chloride
Concen: 45.912 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009174.D
Acq: 25 Apr 2019 19:50

Tgt Ion	Ratio	Lower	Upper
84	100		
49	139.4	115.4	173.0
51	43.9	35.8	53.6
86	62.8	52.1	78.1





#21

trans-1,2-Dichloroethene

Concen: 45.080 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_X

ClientSampled :

HW-7MS

Tot Ion: 96 Resp: 97464

Ion Ratio Lower Upper

96 100

61 159.0 120.3 180.5

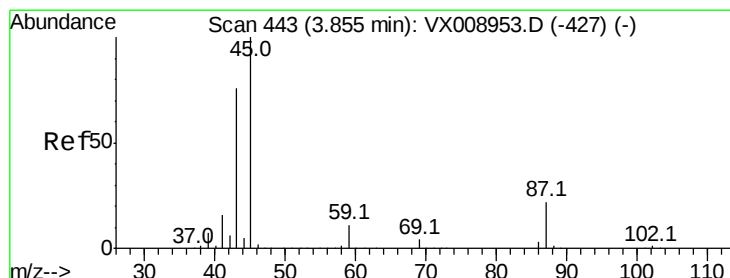
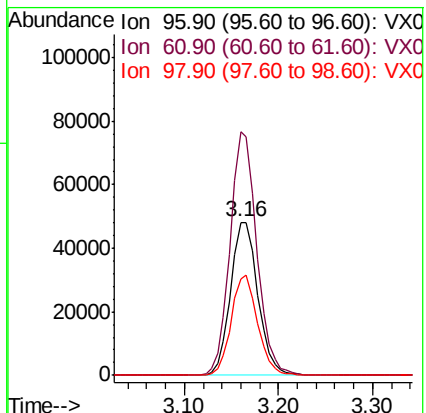
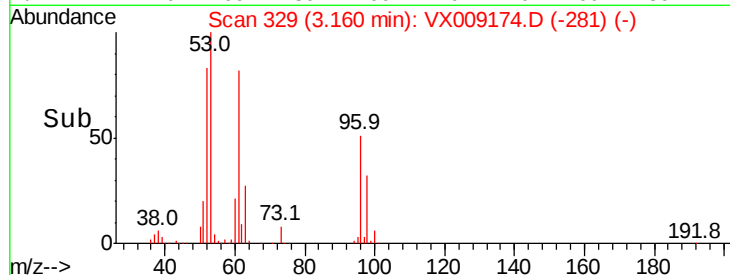
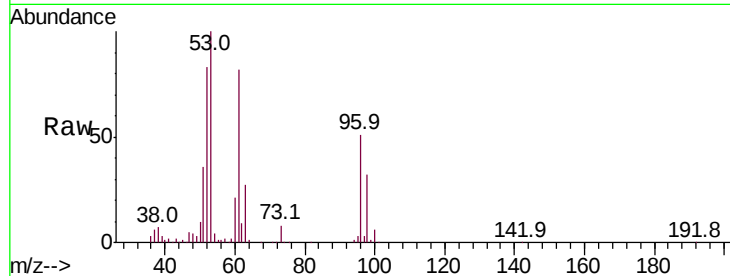
98 62.6 50.2 75.2

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#22

Diisopropyl ether

Concen: 48.558 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

Tgt Ion: 45 Resp: 417266

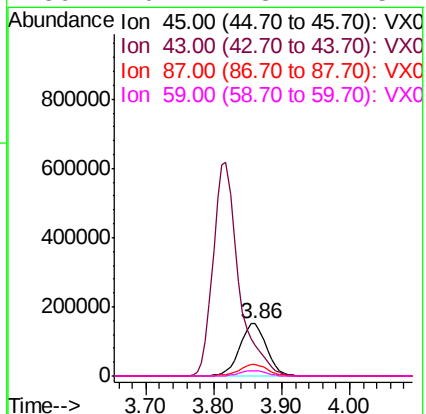
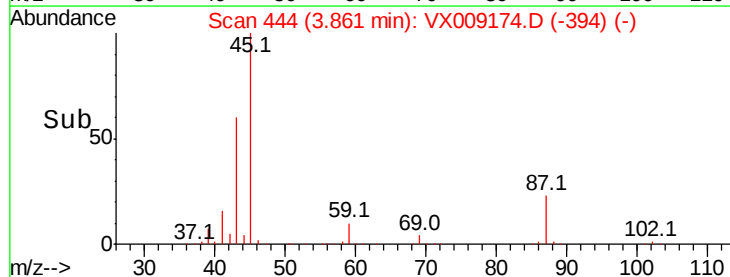
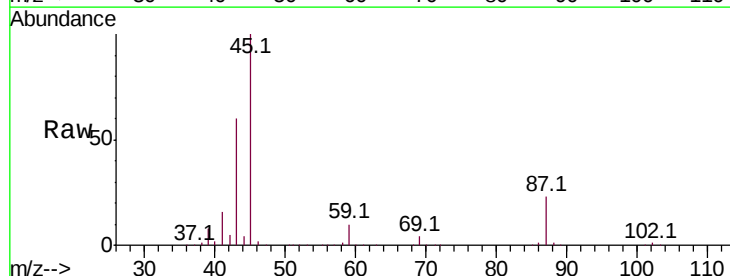
Ion Ratio Lower Upper

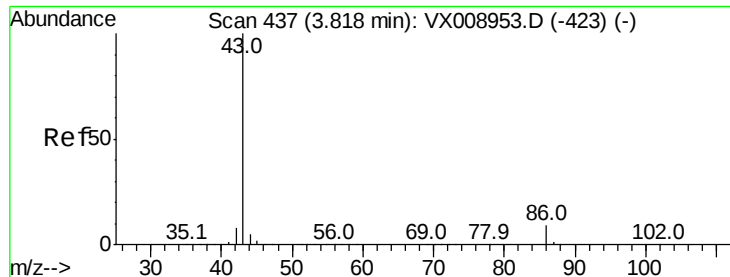
45 100

43 59.8 60.6 91.0#

87 23.0 17.8 26.8

59 10.4 8.7 13.1





#23

Vinyl Acetate

Concen: 214.163 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

HW-7MS

Tot Ion: 43 Resp: 1617736

Ion Ratio Lower Upper

43 100

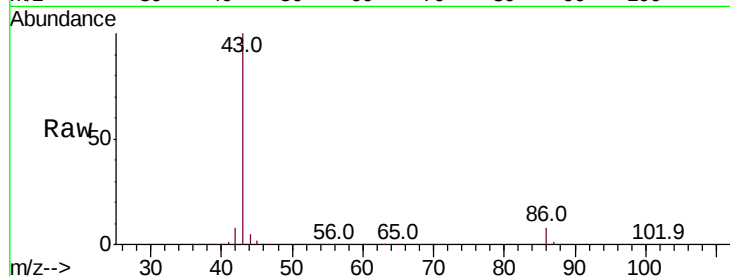
86 8.3 7.1 10.7

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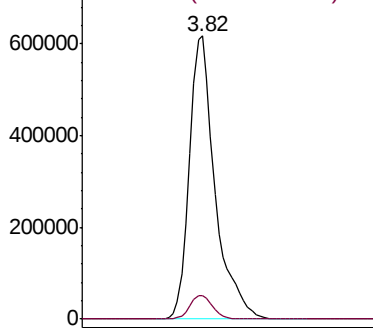
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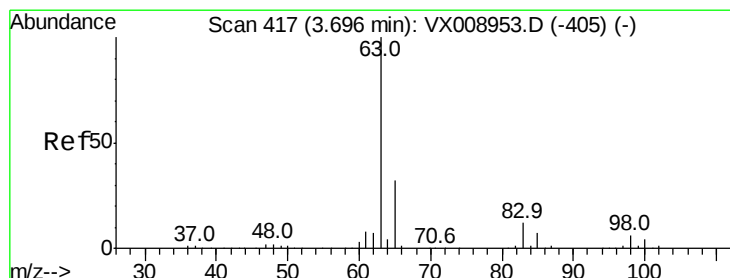
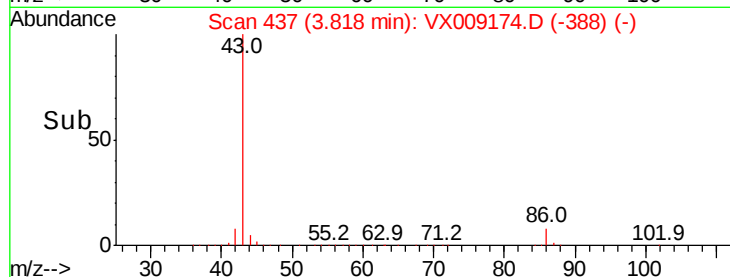


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 47.048 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

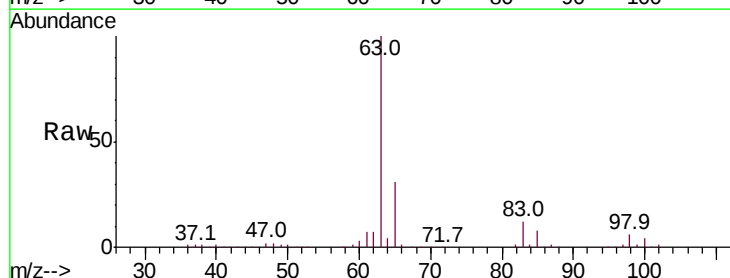
Tgt Ion: 63 Resp: 202949

Ion Ratio Lower Upper

63 100

98 6.5 3.1 9.3

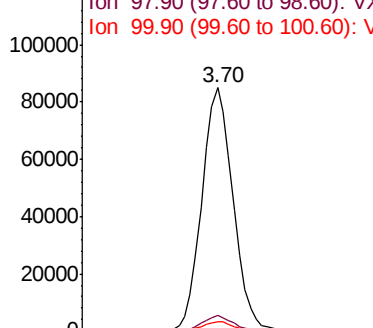
100 4.0 1.9 5.7



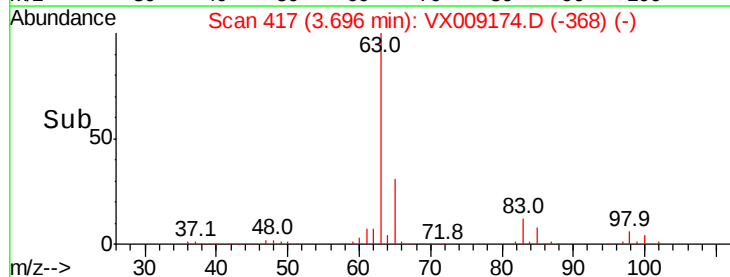
Abundance Ion 62.90 (62.60 to 63.60): VX0

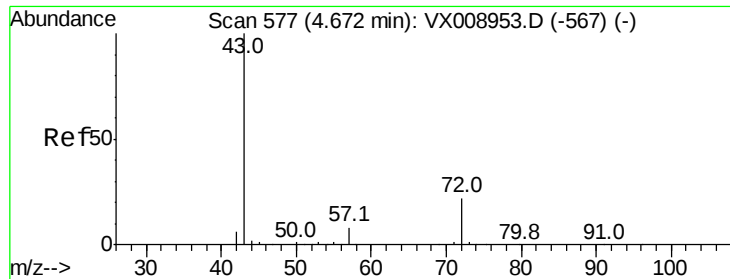
Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->





#25

2-Butanone

Concen: 258.404 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

HW-7MS

Tot Ion: 43 Resp: 570563

Ion Ratio Lower Upper

43 100

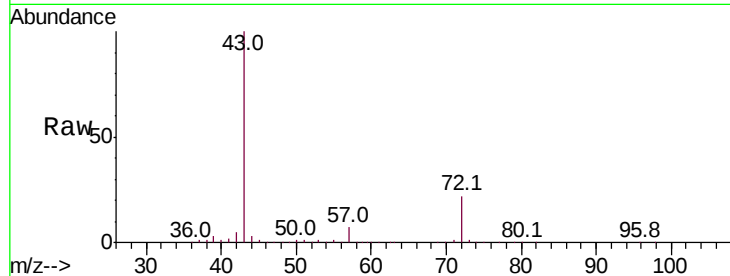
72 22.2 17.5 26.3

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.68

200000

150000

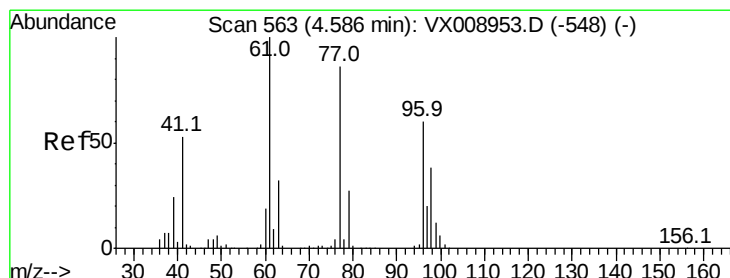
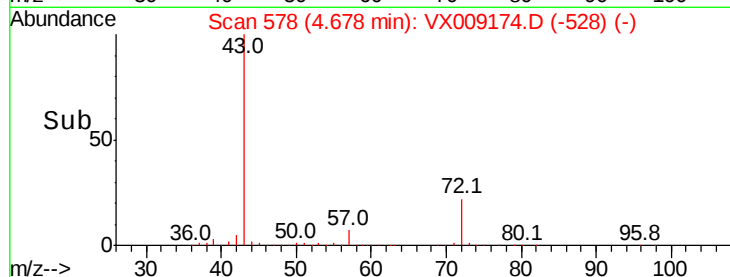
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 36.822 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX009174.D

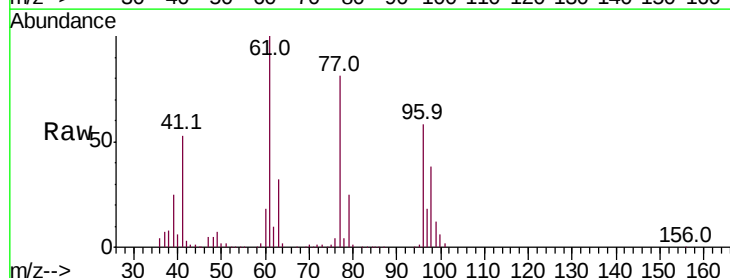
Acq: 25 Apr 2019 19:50

Tgt Ion: 77 Resp: 119062

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

40000

30000

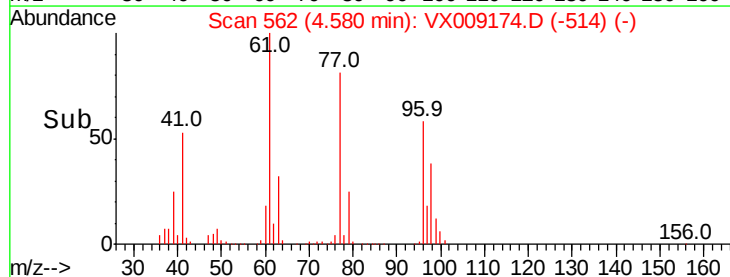
20000

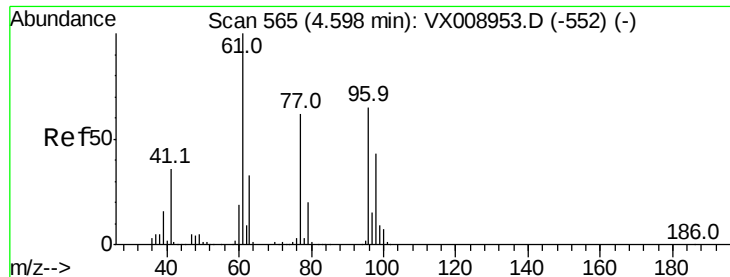
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

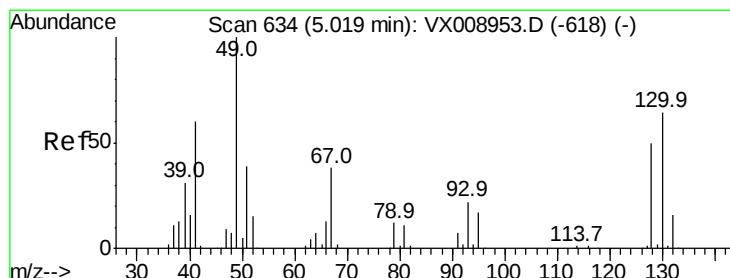
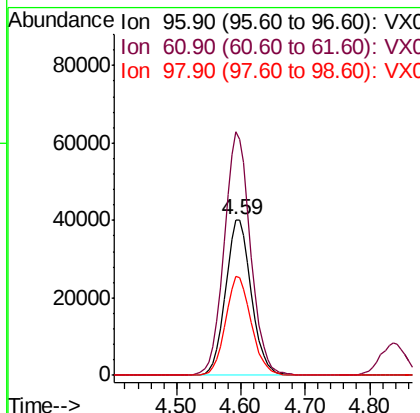
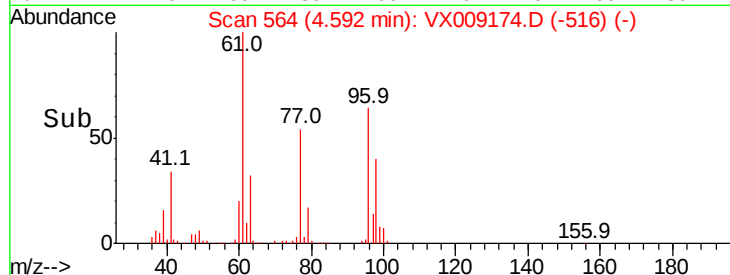
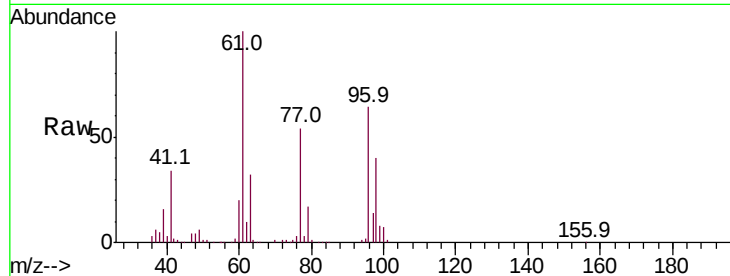
cis-1,2-Dichloroethene
Concen: 46.195 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX009174.D
Acq: 25 Apr 2019 19:50

Instrument :
MSVOA_X
ClientSampled :
HW-7MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	159.4	0.0	322.0	
98	63.5	0.0	128.4	

Manual Integrations
APPROVED

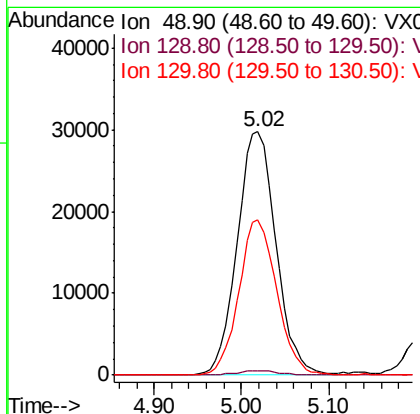
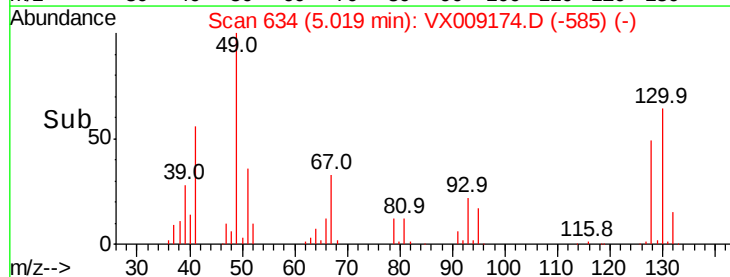
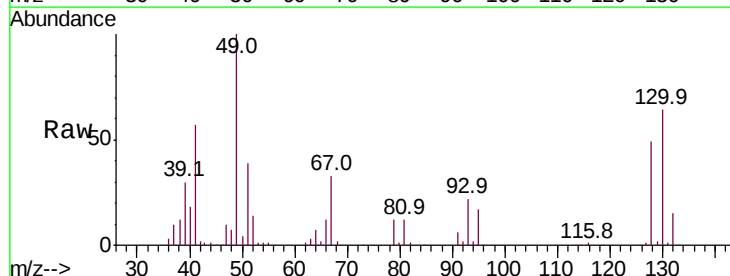
MMDadoda
4/26/2019 10:05:36 AM

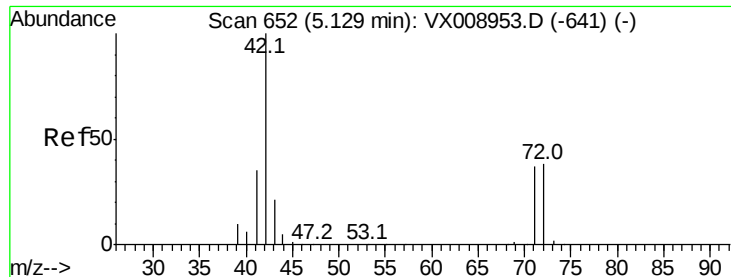


#28

Bromochloromethane
Concen: 51.317 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX009174.D
Acq: 25 Apr 2019 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.6	
130	62.4	50.4	75.6	





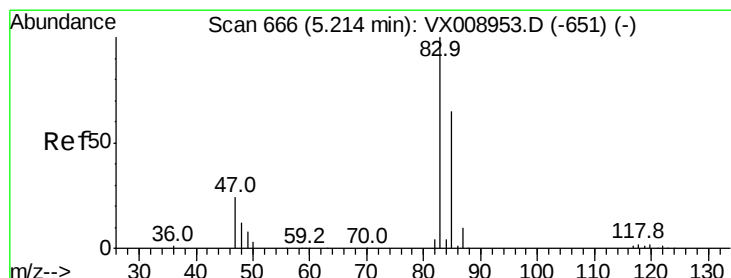
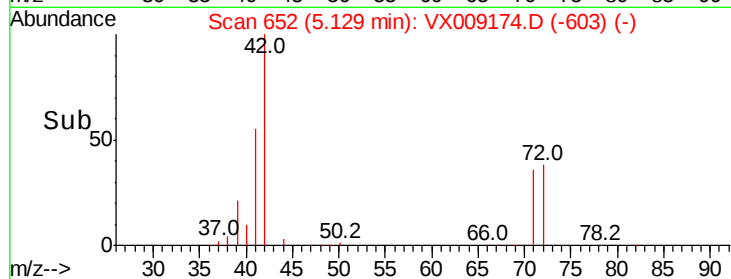
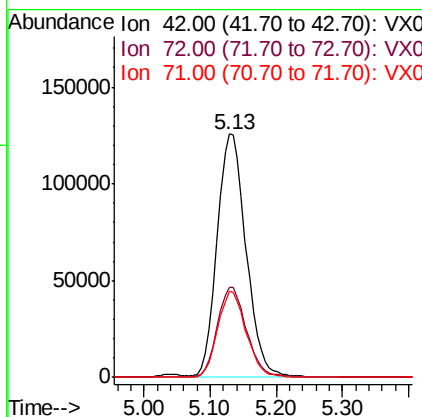
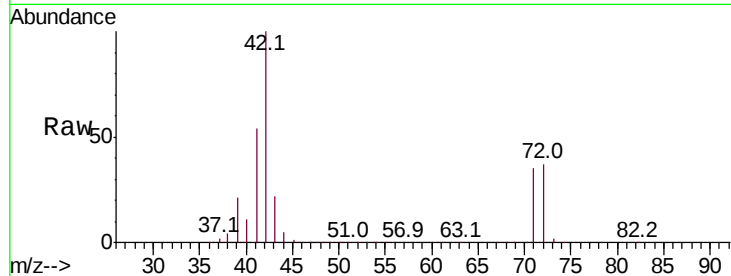
#29
Tetrahydrofuran
Concen: 256.796 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009174.D
Acq: 25 Apr 2019 19:50

Instrument :
MSVOA_X
ClientSampleId :
HW-7MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	30.6	45.8
71	35.1	28.8	43.2

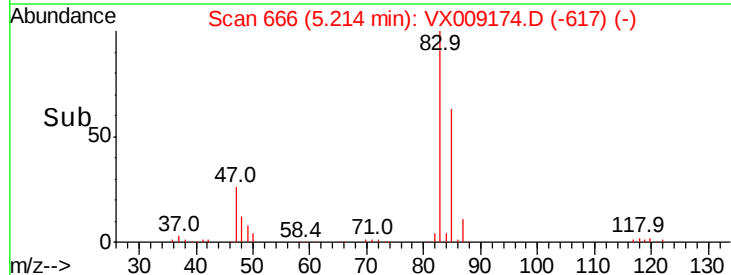
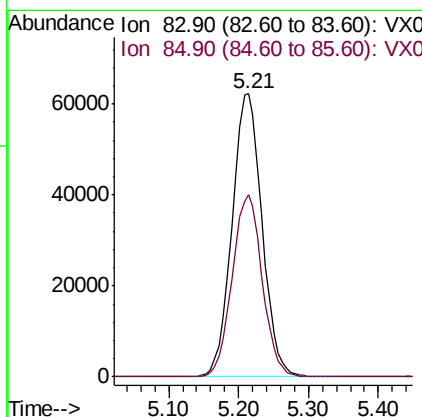
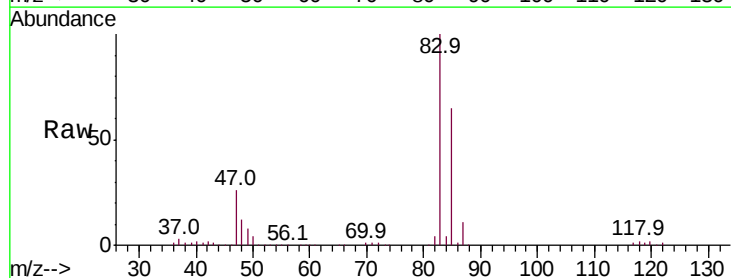
Manual Integrations
APPROVED

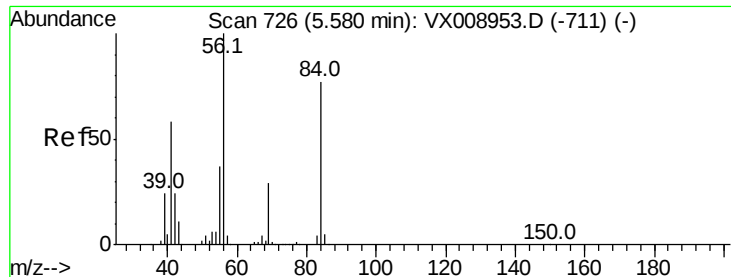
MMDadoda
4/26/2019 10:05:36 AM



#30
Chloroform
Concen: 48.025 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX009174.D
Acq: 25 Apr 2019 19:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.9	77.9





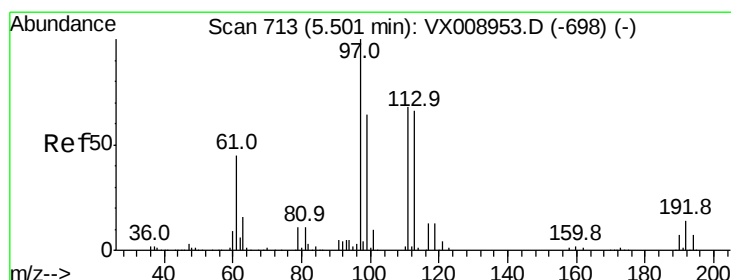
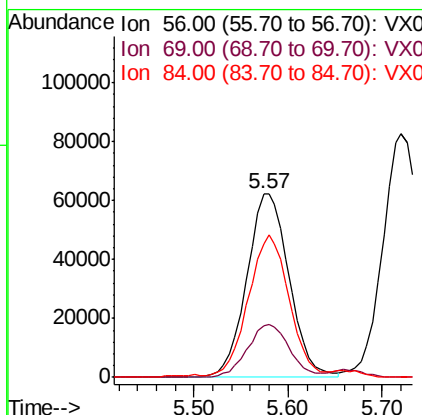
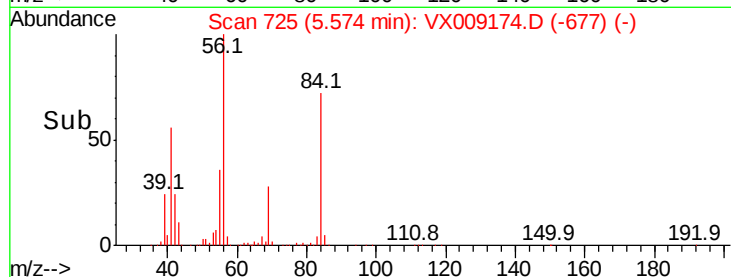
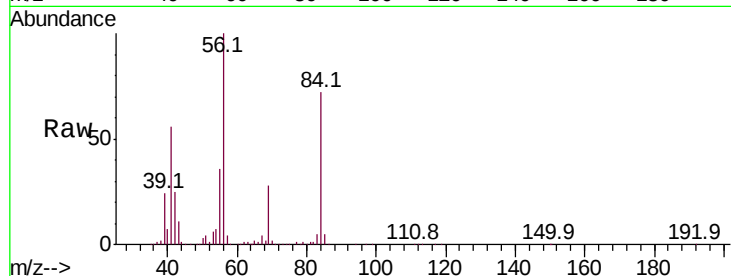
#31
Cyclohexane
Concen: 46.155 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX009174.D
Acq: 25 Apr 2019 19:50

Instrument :
MSVOA_X
ClientSampled :
HW-7MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.0	23.3	34.9
84	71.1	61.7	92.5

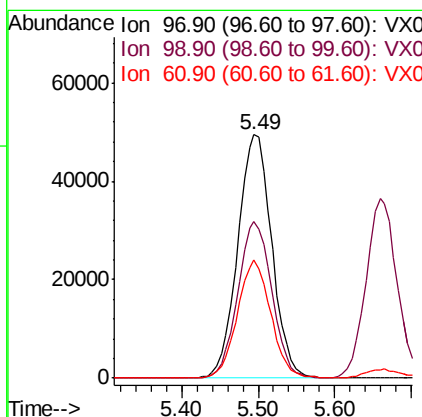
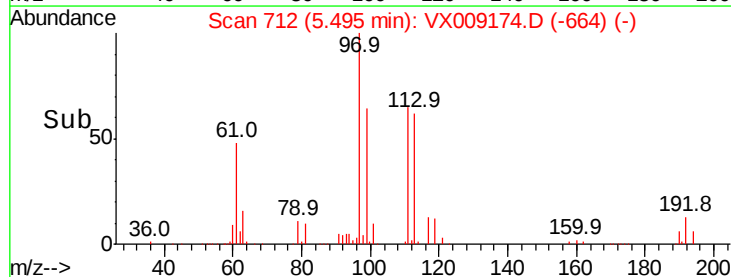
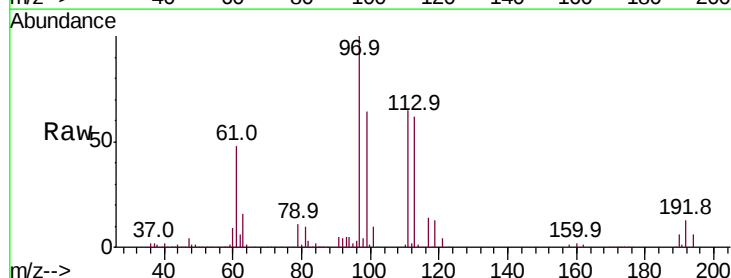
Manual Integrations
APPROVED

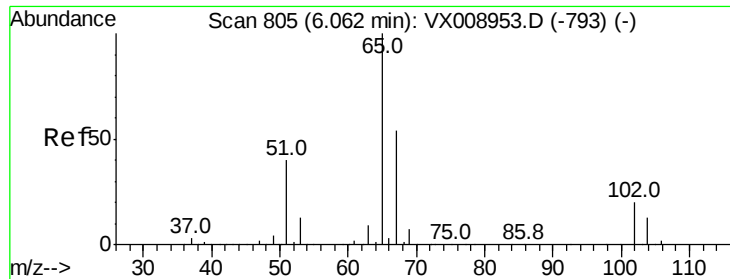
MMDadoda
4/26/2019 10:05:36 AM



#32
1,1,1-Trichloroethane
Concen: 47.743 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX009174.D
Acq: 25 Apr 2019 19:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.6	77.4
61	47.7	37.9	56.9





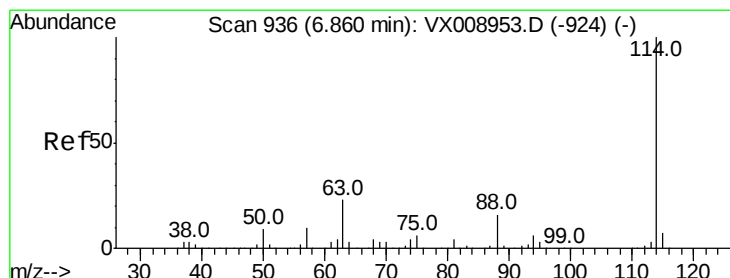
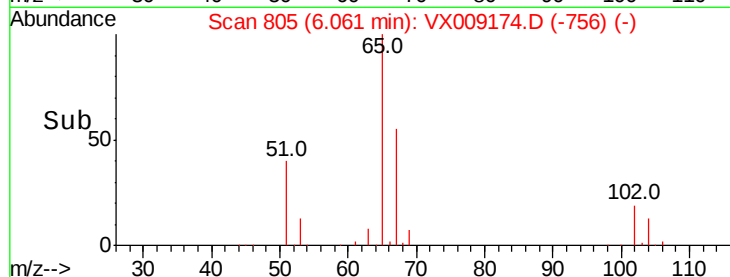
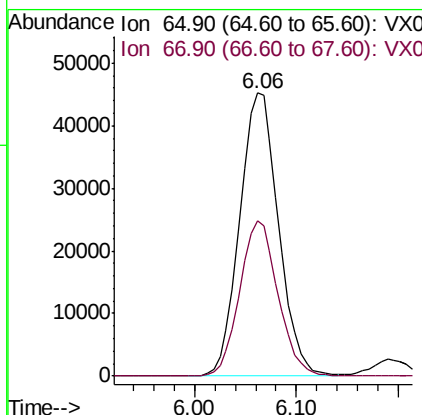
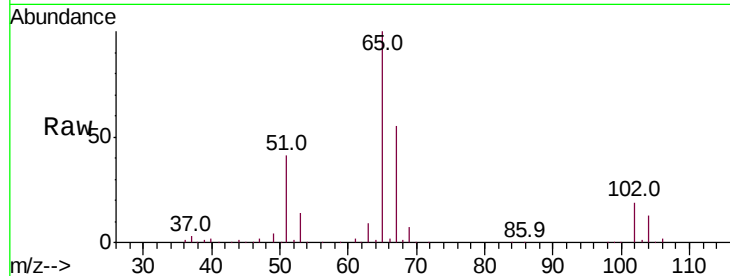
#33
 1,2-Dichloroethane-d4
 Concen: 44.891 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009174.D
 Acq: 25 Apr 2019 19:50

Instrument :
 MSVOA_X
 ClientSampled :
 HW-7MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	108.6

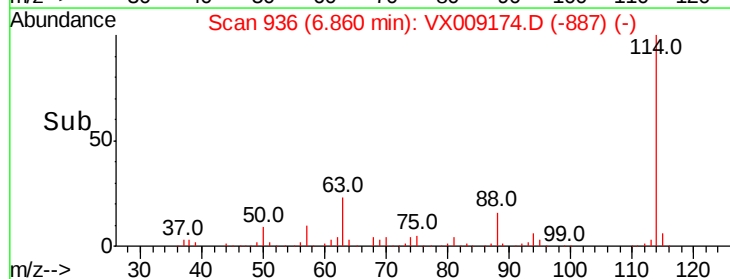
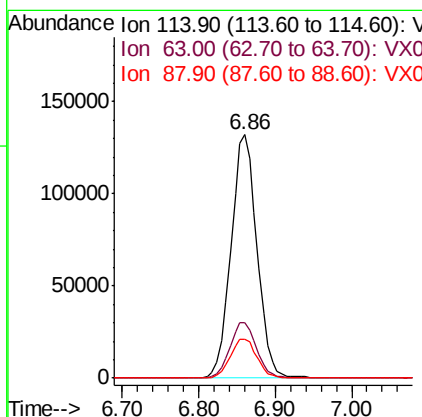
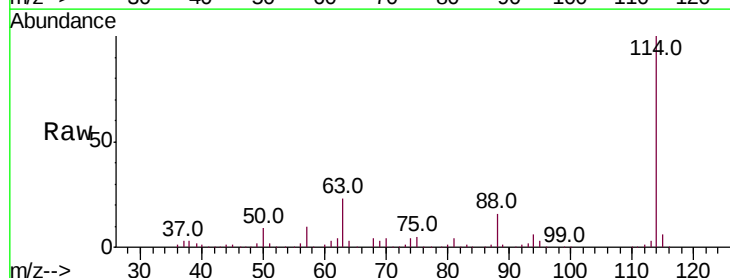
Manual Integrations
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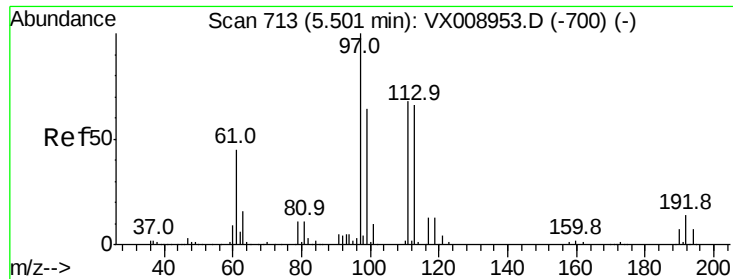
MMDadoda
 4/26/2019 10:05:36 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009174.D
 Acq: 25 Apr 2019 19:50

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	46.0
88	16.2	0.0	32.6





#35

Dibromofluoromethane

Concen: 44.797 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_X

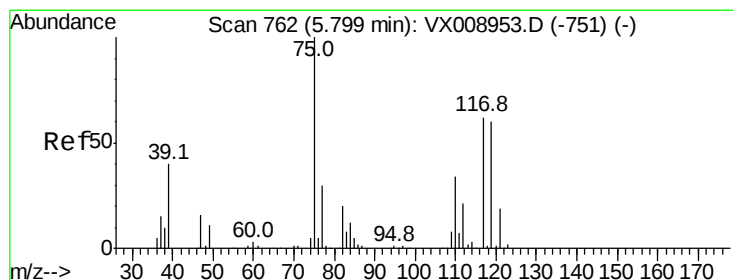
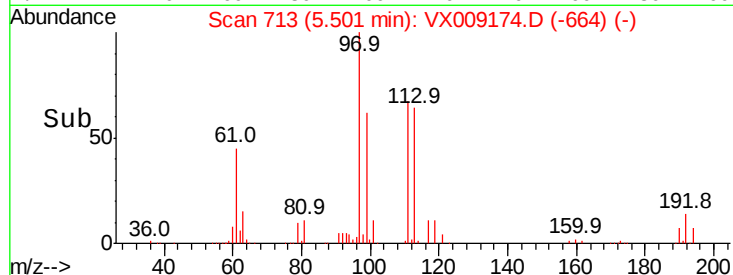
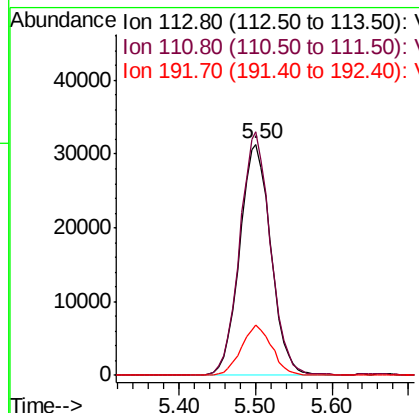
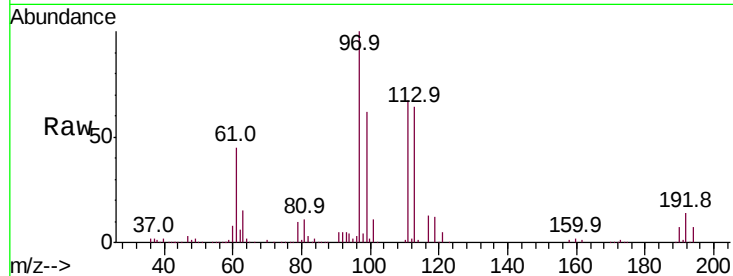
ClientSampled :

HW-7MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	88970		
111	103.4	82.9	124.3	
192	21.3	17.4	26.0	

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 44.135 ug/l

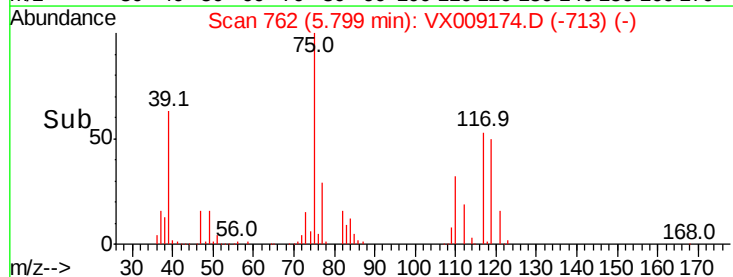
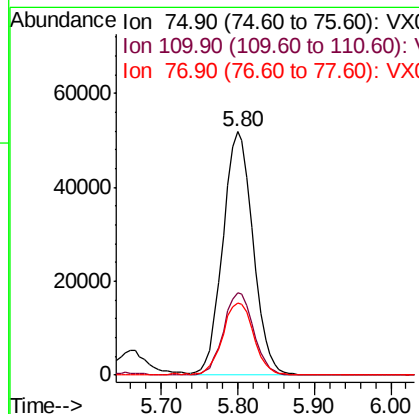
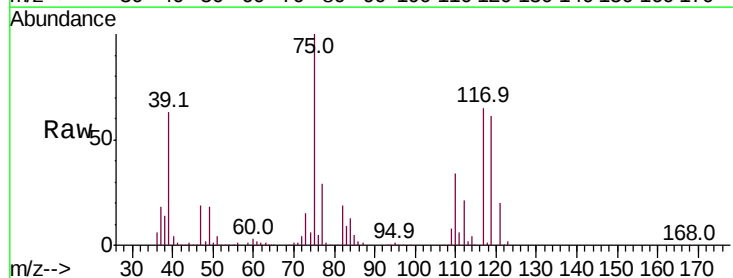
RT: 5.80 min Scan# 762

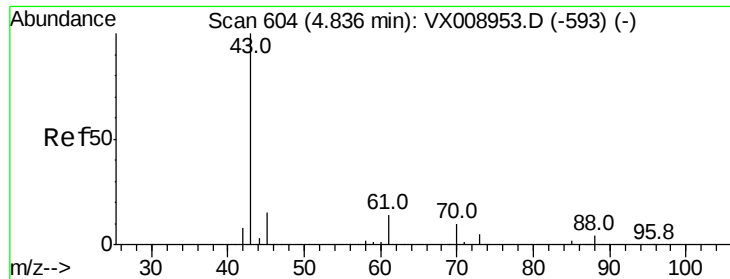
Delta R.T. -0.00 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	141255		
110	33.8	16.9	50.7	
77	30.7	25.0	37.4	





#37

Ethyl Acetate

Concen: 45.203 ug/l

RT: 4.84 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX009174.D

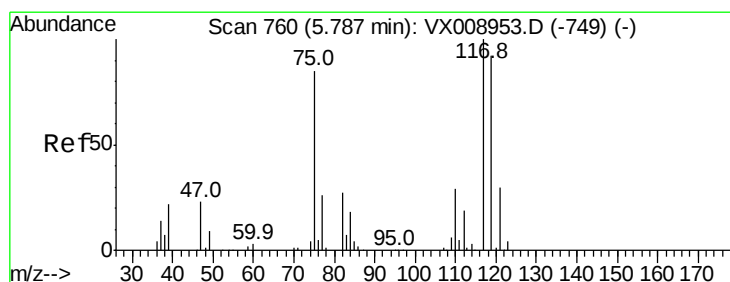
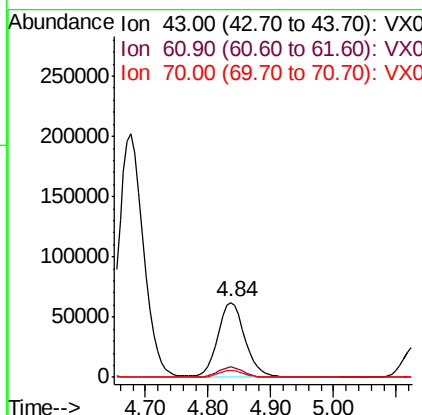
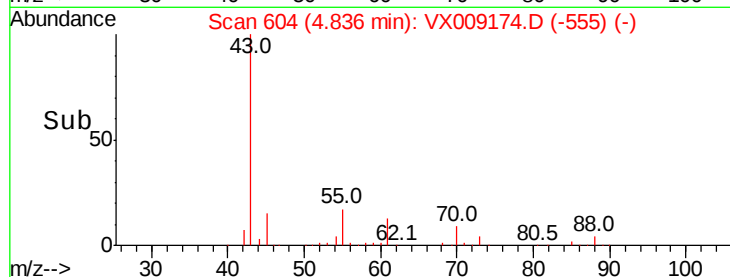
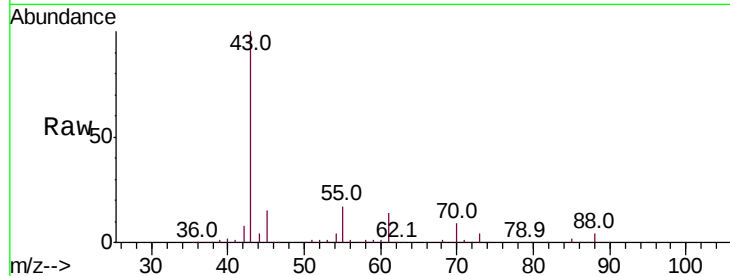
Acq: 25 Apr 2019 19:50

Instrument :
MSVOA_X
ClientSampled :
HW-7MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.6	15.8
70	9.5	7.7	11.5

Manual Integrations
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4/26/2019 10:05:36 AM



#38

Carbon Tetrachloride

Concen: 47.150 ug/l

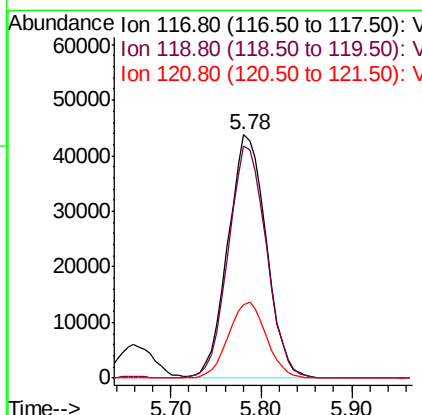
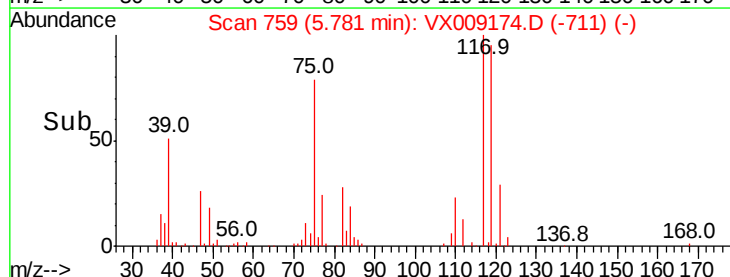
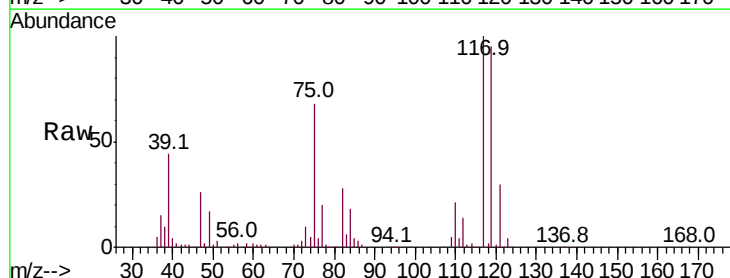
RT: 5.78 min Scan# 759

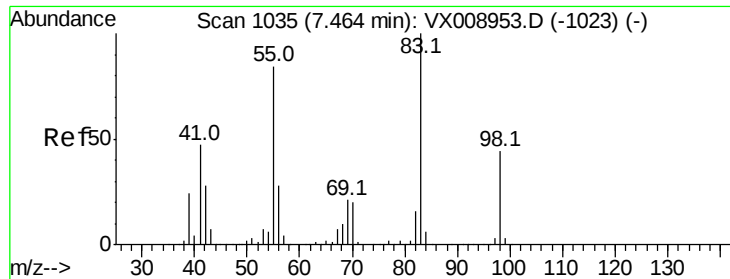
Delta R.T. -0.01 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	73.8	110.8
121	30.1	23.6	35.4





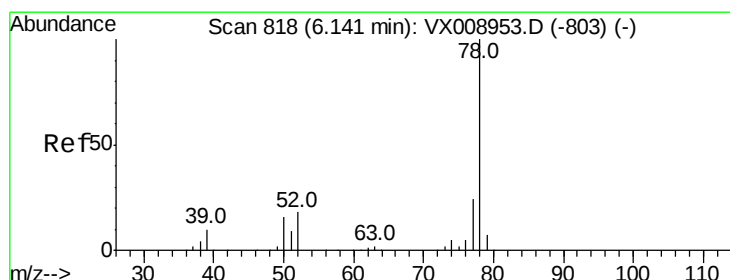
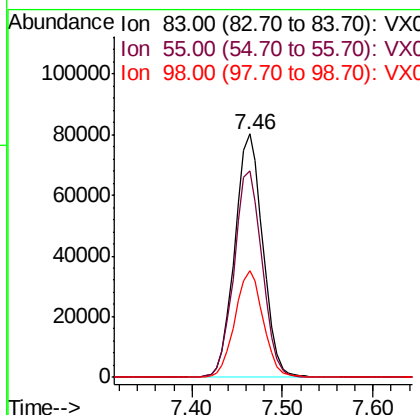
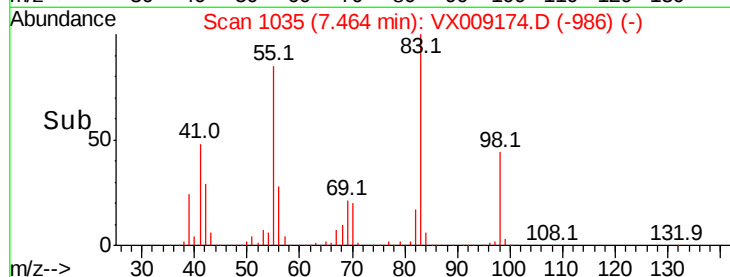
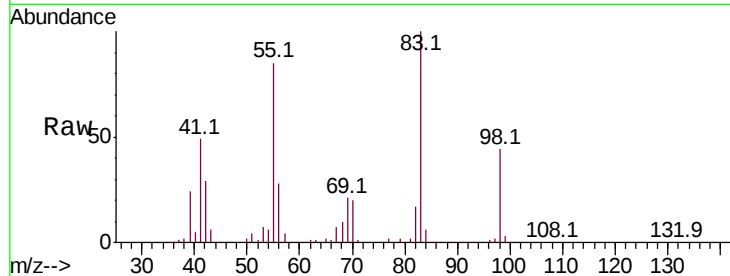
#39
Methvlcvclohexane
Concen: 44.087 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009174.D
Acq: 25 Apr 2019 19:50

Instrument :
MSVOA_X
ClientSampled :
HW-7MS

Tot Ion	83	Resp	171798
Ion Ratio	Lower	Upper	
83	100		
55	84.9	67.1	100.7
98	43.9	35.1	52.7

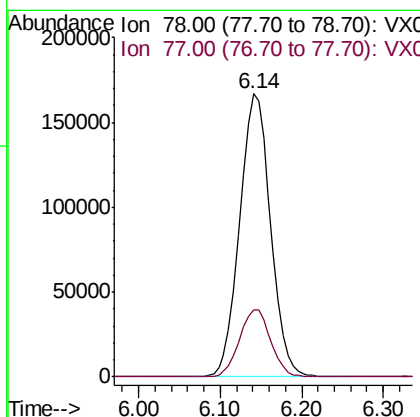
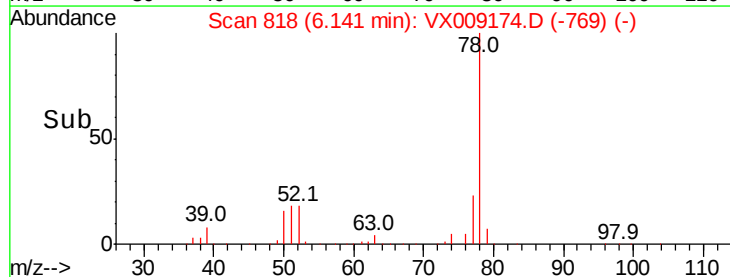
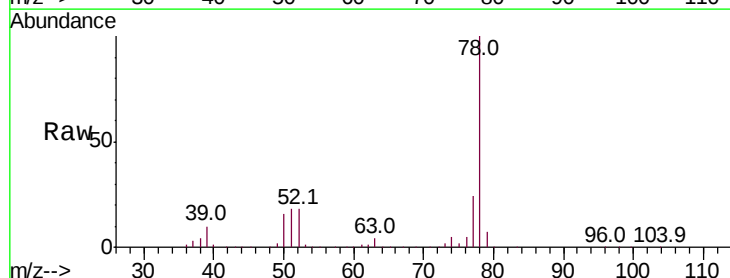
Manual Integrations
APPROVED

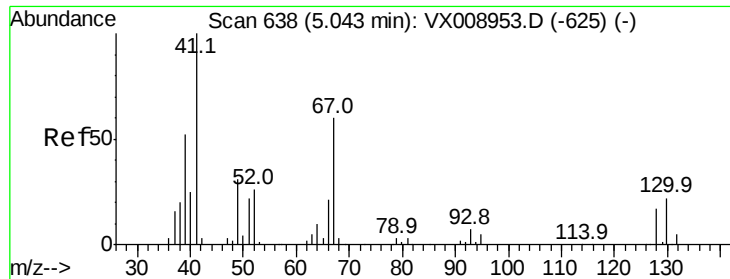
MMDadoda
4/26/2019 10:05:36 AM



#40
Benzene
Concen: 46.506 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009174.D
Acq: 25 Apr 2019 19:50

Tgt Ion	78	Resp	439103
Ion Ratio	Lower	Upper	
78	100		
77	23.8	19.0	28.6





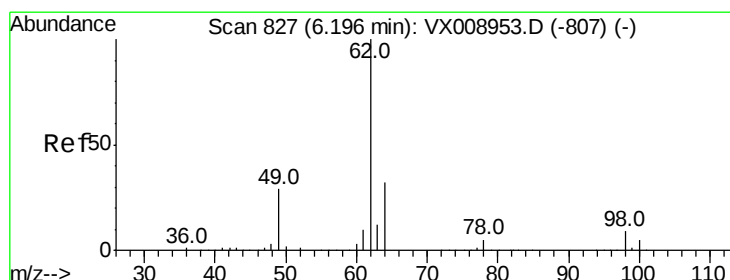
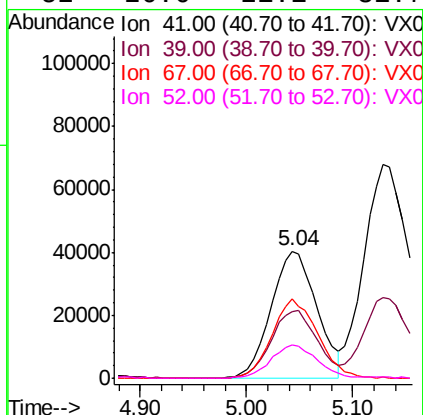
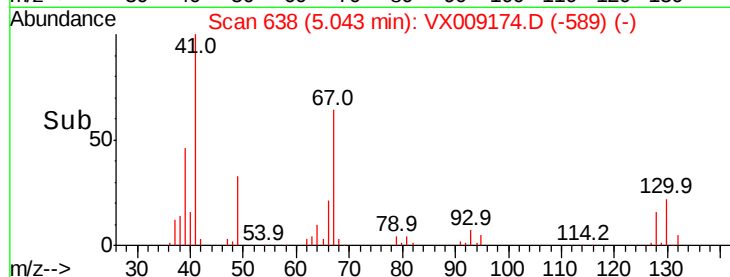
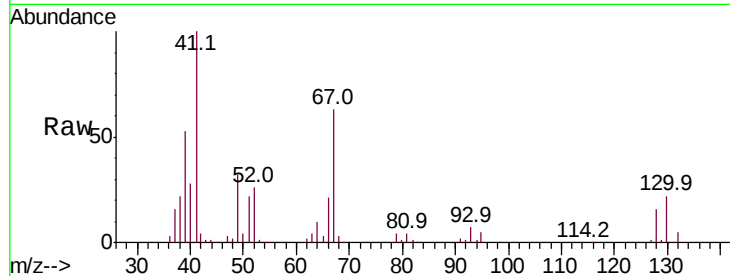
#41
Methacrylonitrile
Concen: 50.580 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009174.D
Acq: 25 Apr 2019 19:50

Instrument :
MSVOA_X
ClientSampled :
HW-7MS

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.8	41.8	62.6	
67	62.8	50.2	75.4	
52	26.6	21.1	31.7	

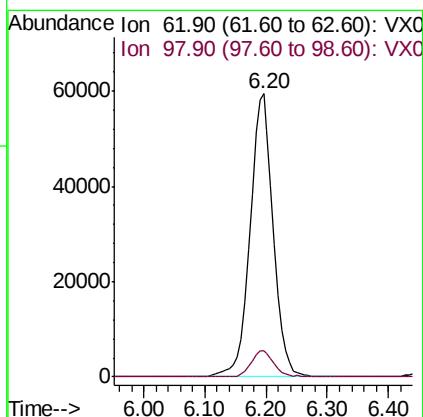
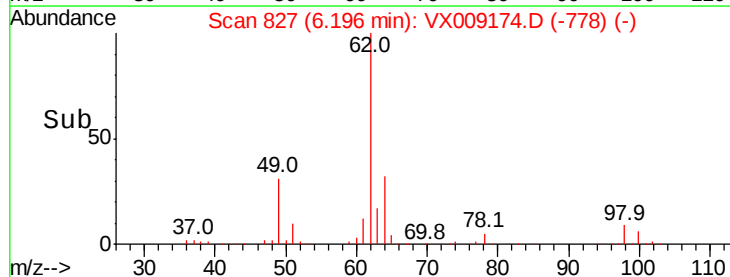
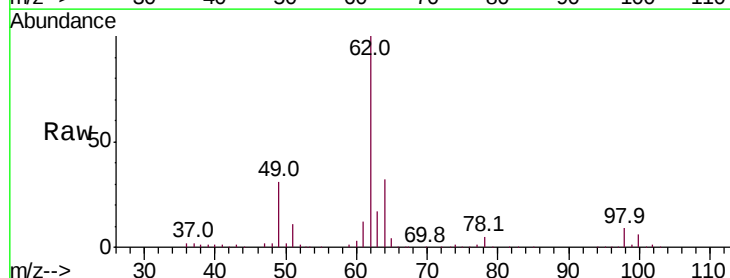
Manual Integrations
APPROVED

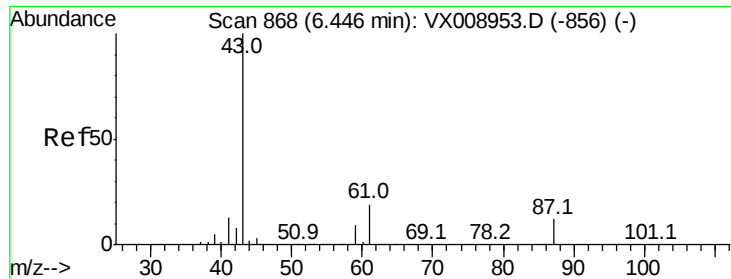
MMDadoda
4/26/2019 10:05:36 AM



#42
1,2-Dichloroethane
Concen: 47.074 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX009174.D
Acq: 25 Apr 2019 19:50

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	18.4	





#43

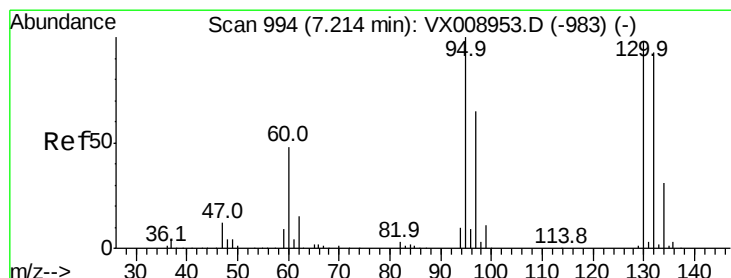
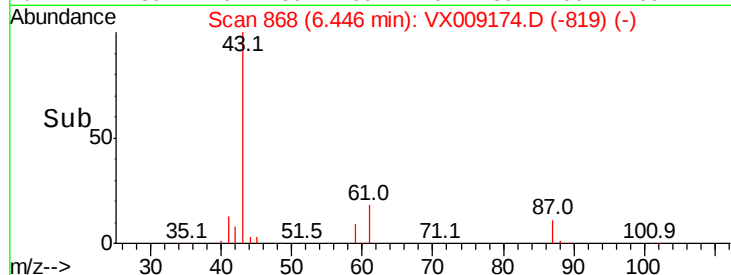
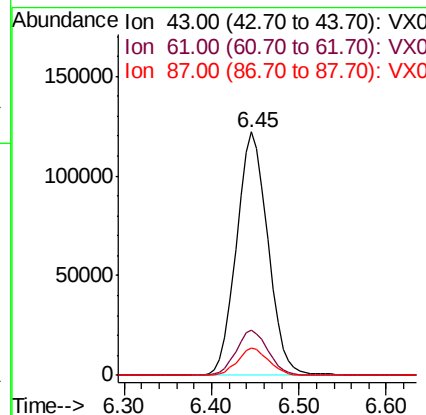
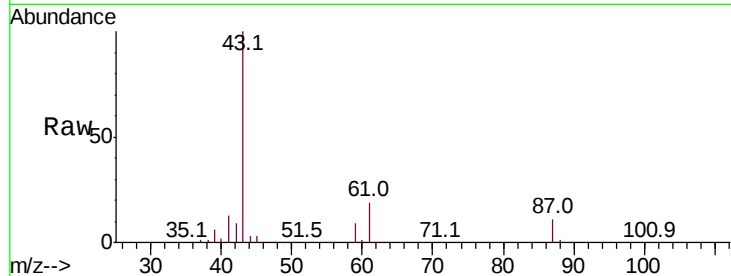
Isopropyl Acetate
 Concen: 45.779 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX009174.D
 Acq: 25 Apr 2019 19:50

Instrument :
 MSVOA_X
 ClientSampleId :
 HW-7MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.4	23.0
87	11.1	9.0	13.4

Manual Integrations
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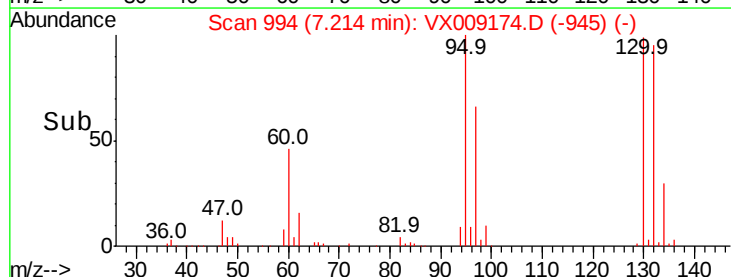
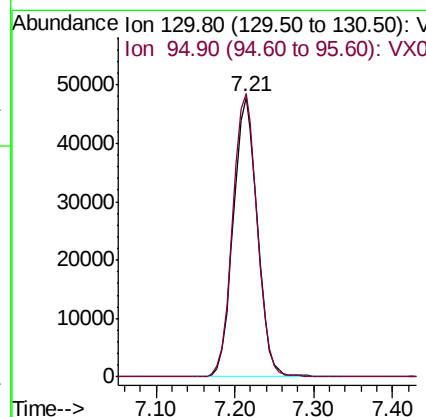
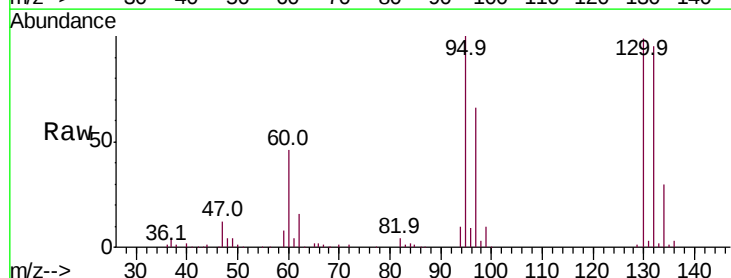
MMDadoda
 4/26/2019 10:05:36 AM

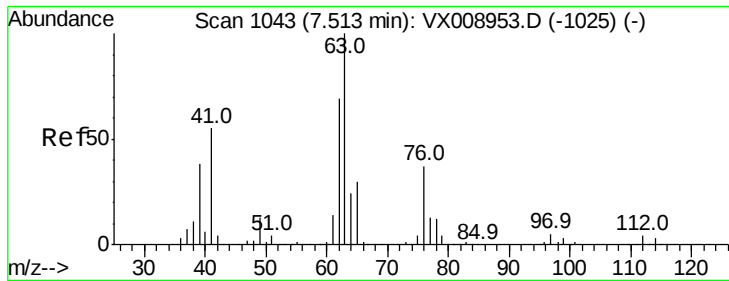


#44

Trichloroethene
 Concen: 43.987 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009174.D
 Acq: 25 Apr 2019 19:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	203.2





#45

1,2-Dichloropropane

Concen: 47.565 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

HW-7MS

Tot Ion: 63 Resp: 124591

Ion Ratio Lower Upper

63 100

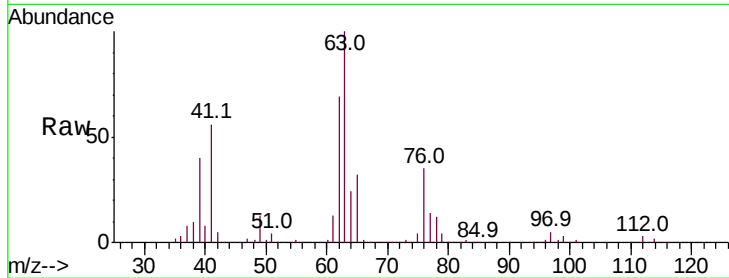
65 31.5 24.1 36.1

Manual Integrations

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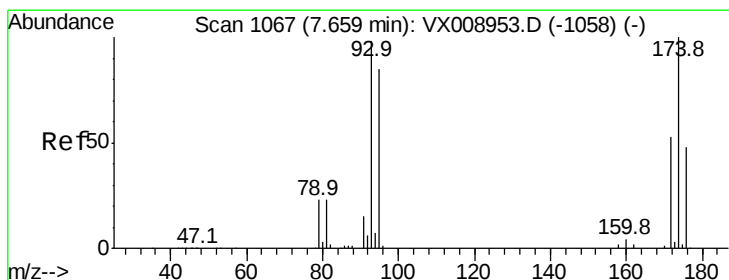
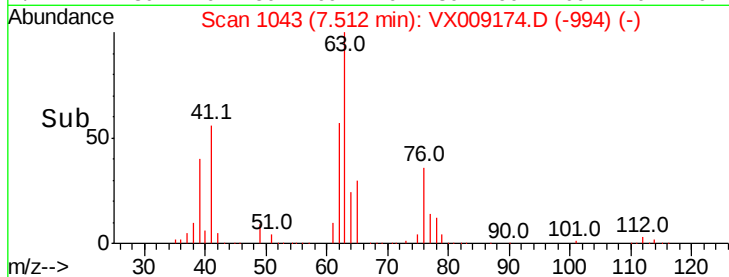
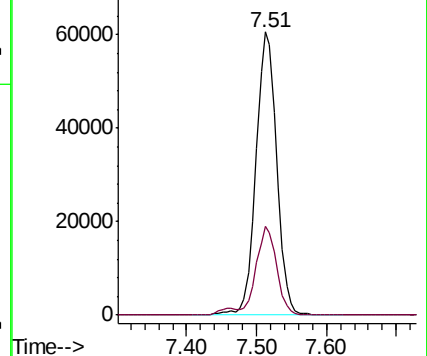
MMdadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 46.964 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

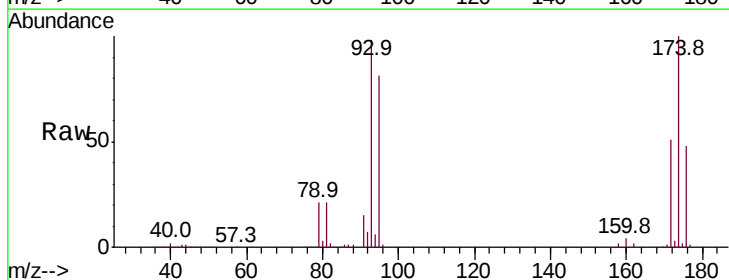
Tgt Ion: 93 Resp: 71593

Ion Ratio Lower Upper

93 100

95 83.4 67.0 100.4

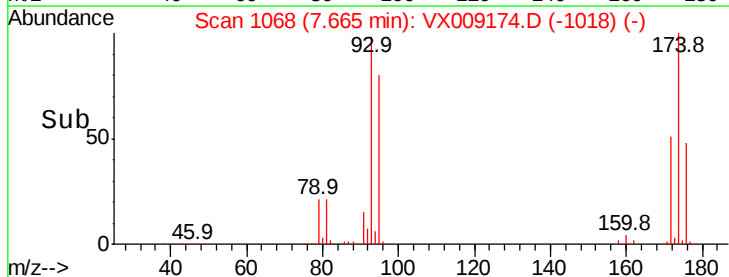
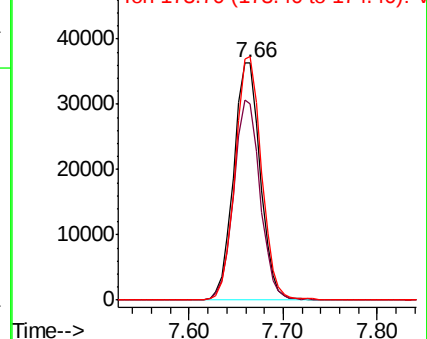
174 101.2 81.6 122.4

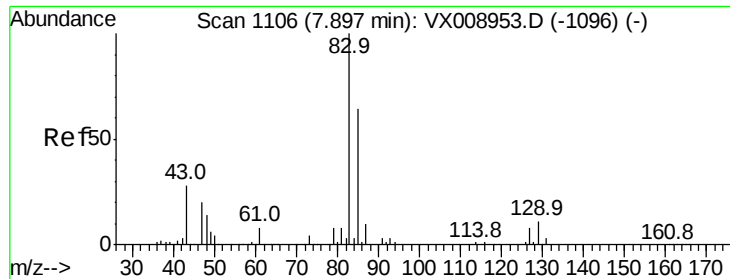


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 48.295 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_X

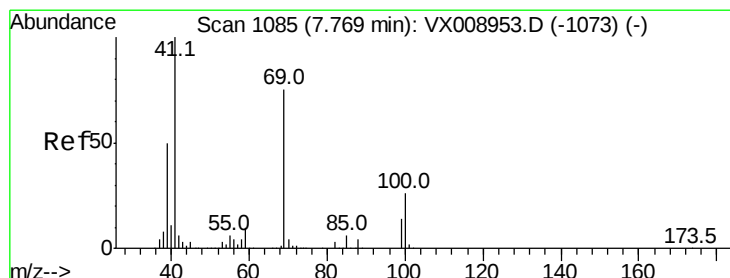
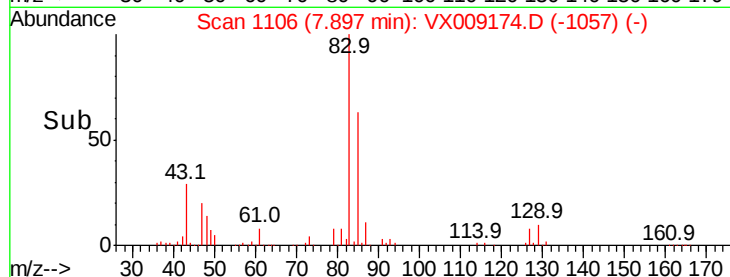
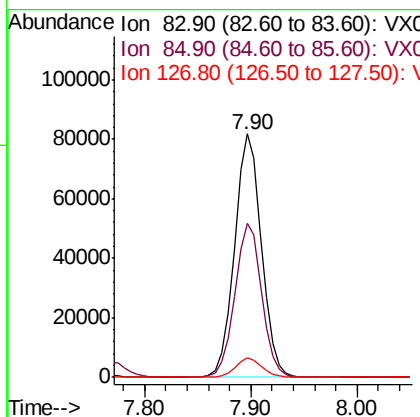
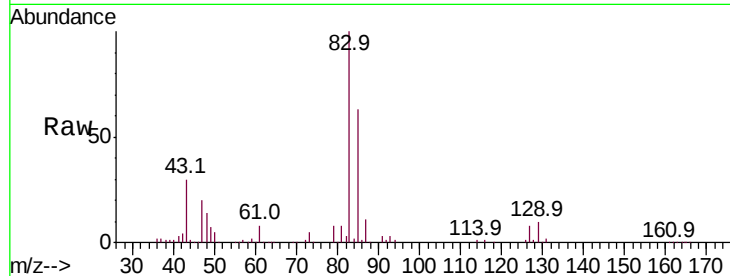
ClientSampled :

HW-7MS

Tot Ion:	83	Resp:	144401
Ion Ratio	Lower	Upper	
83	100		
85	63.2	50.8	76.2
127	7.9	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.599 ug/l

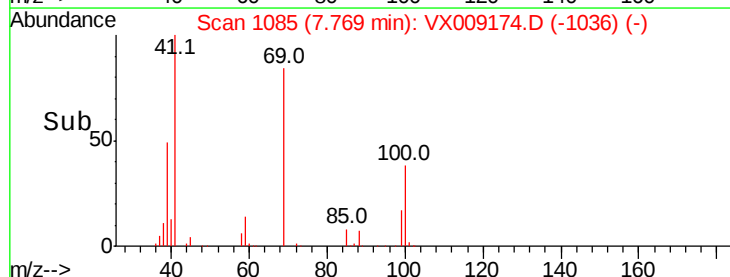
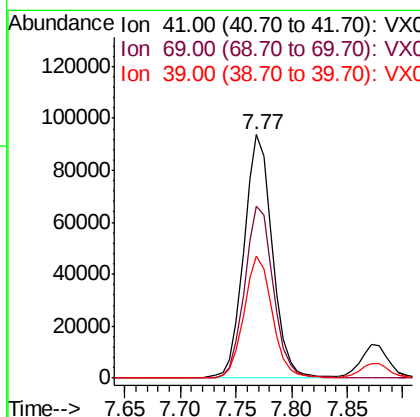
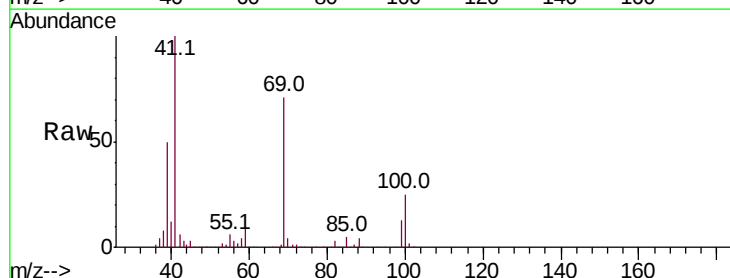
RT: 7.77 min Scan# 1085

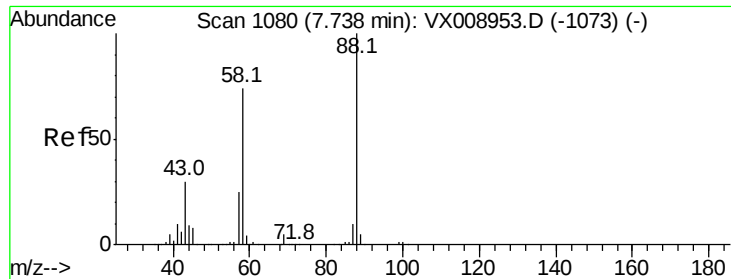
Delta R.T. -0.00 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

Tgt Ion:	41	Resp:	165929
Ion Ratio	Lower	Upper	
41	100		
69	71.9	59.4	89.2
39	49.8	39.8	59.6





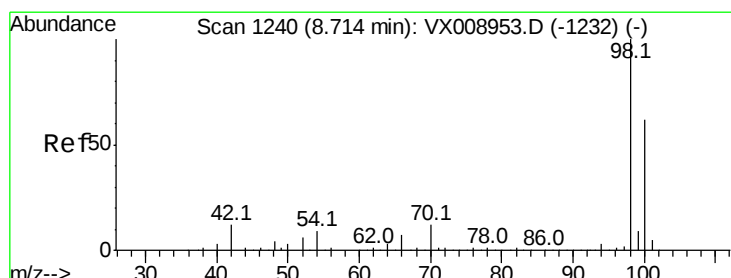
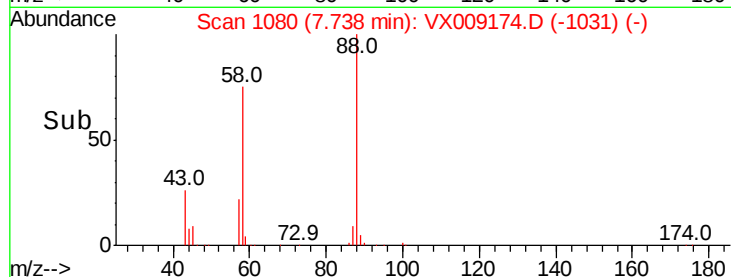
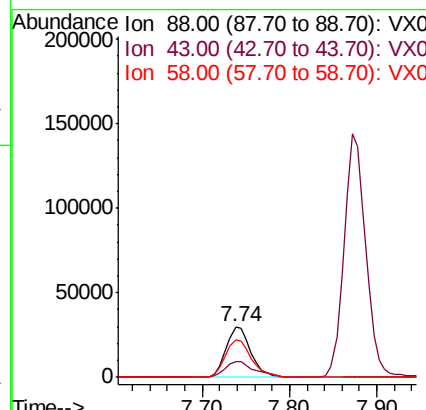
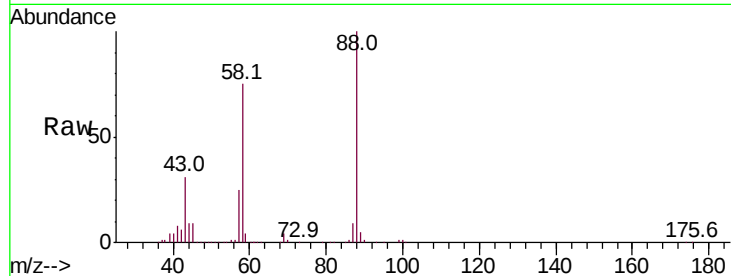
#49
1,4-Dioxane
Concen: 961.679 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009174.D
Acq: 25 Apr 2019 19:50

Instrument :
MSVOA_X
ClientSampleId :
HW-7MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.5	29.3	43.9
58	78.5	62.6	93.8

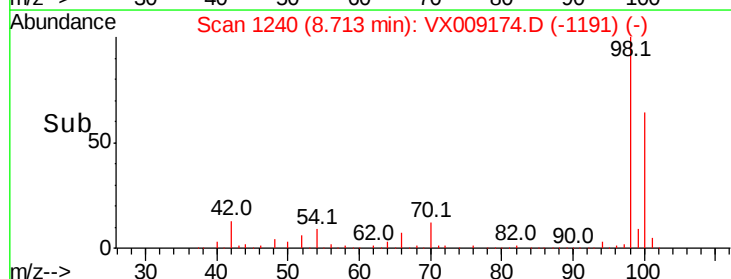
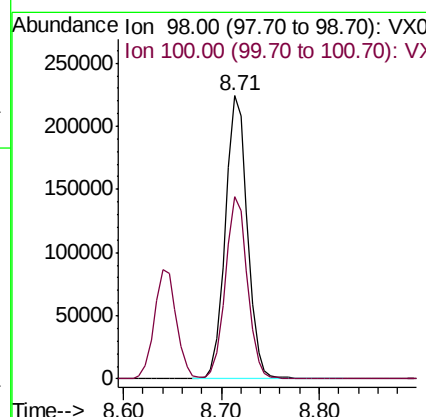
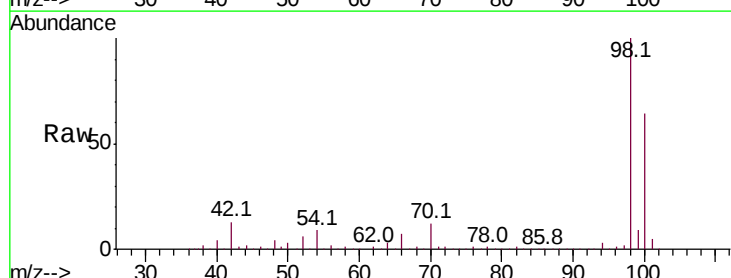
Manual Integrations
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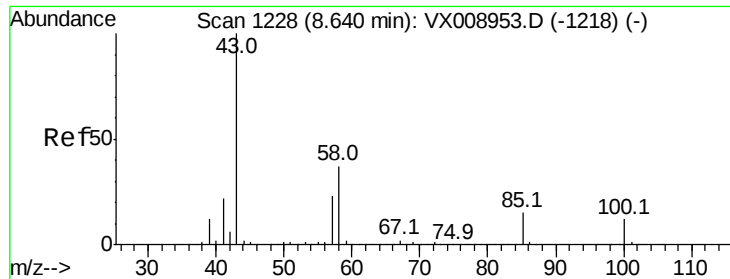
MMDadoda
4/26/2019 10:05:36 AM



#50
Toluene-d8
Concen: 44.205 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009174.D
Acq: 25 Apr 2019 19:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 263.010 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

HW-7MS

Tot Ion: 43 Resp: 1112035

Ion Ratio Lower Upper

43 100

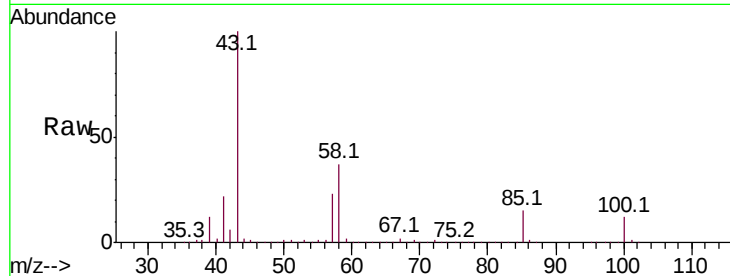
58 36.7 29.8 44.6

Manual Integrations

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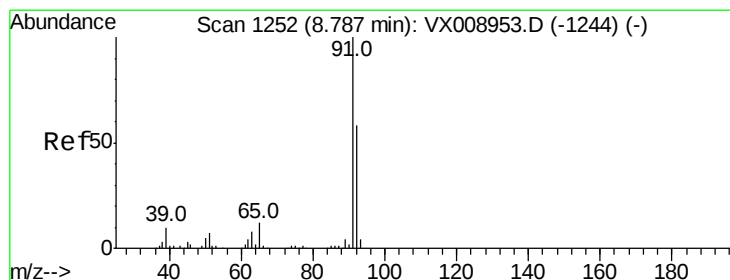
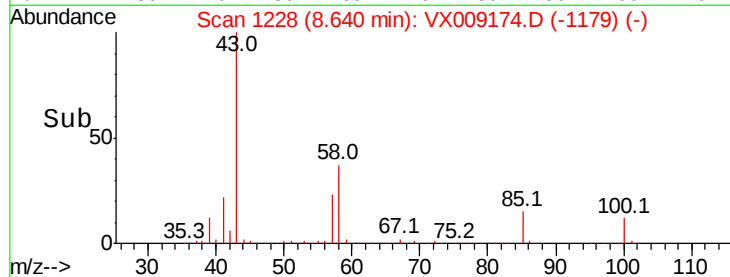
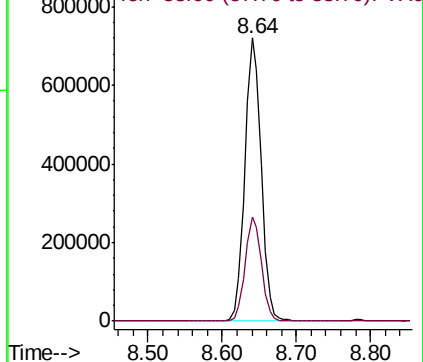
MMDadoda

4/26/2019 10:05:36 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 46.873 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009174.D

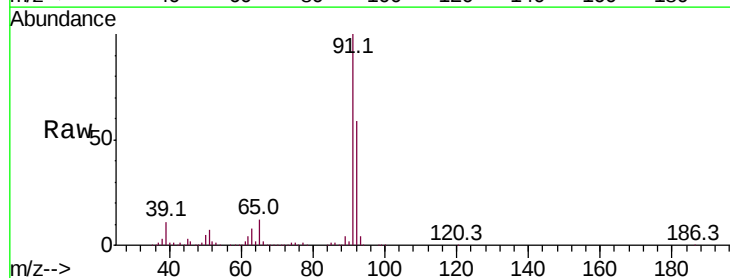
Acq: 25 Apr 2019 19:50

Tgt Ion: 92 Resp: 265239

Ion Ratio Lower Upper

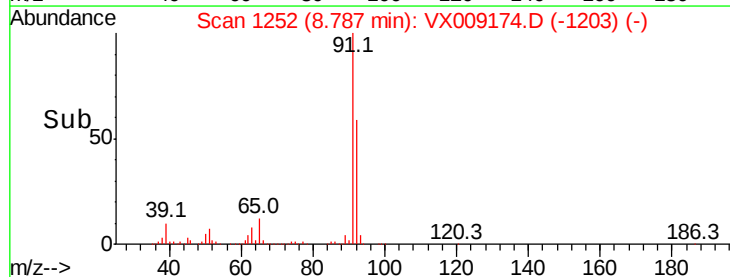
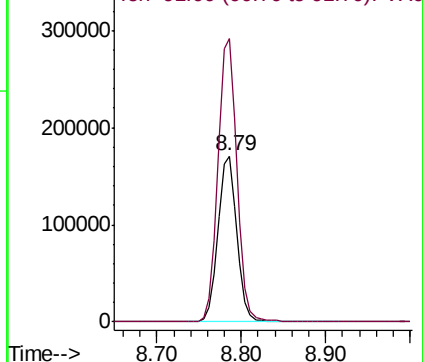
92 100

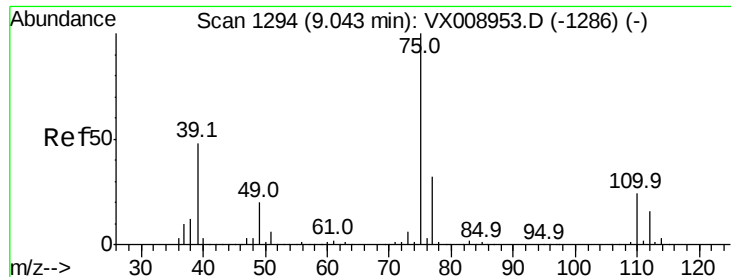
91 172.9 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





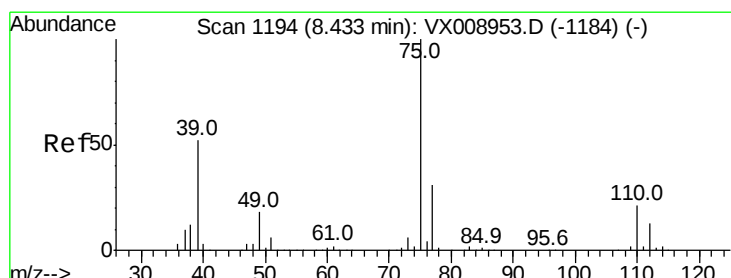
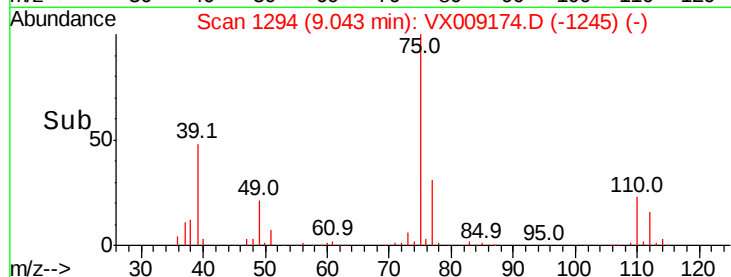
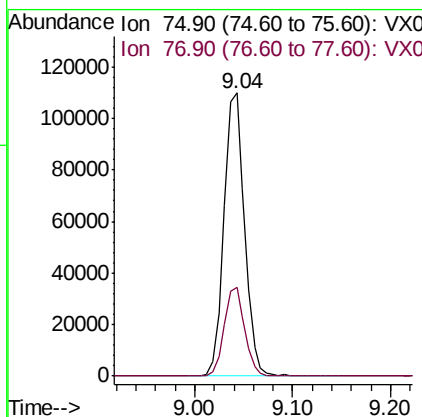
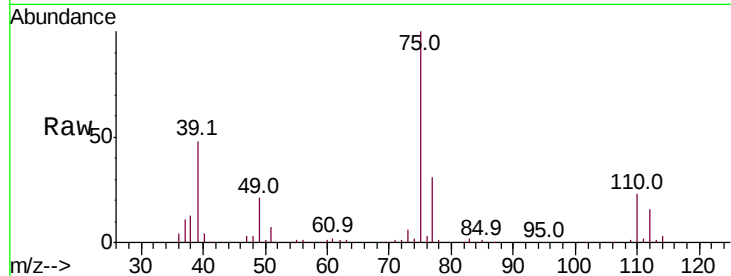
#53
t-1,3-Dichloropropene
Concen: 46.666 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX009174.D
Acq: 25 Apr 2019 19:50

Instrument :
MSVOA_X
ClientSampleId :
HW-7MS

Tot Ion: 75 Resp: 160580
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.2

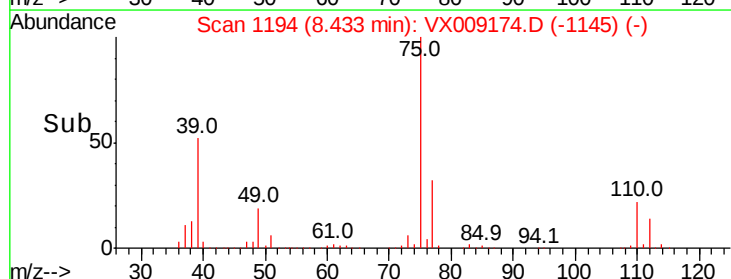
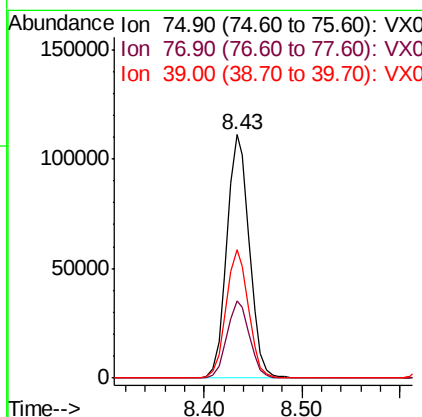
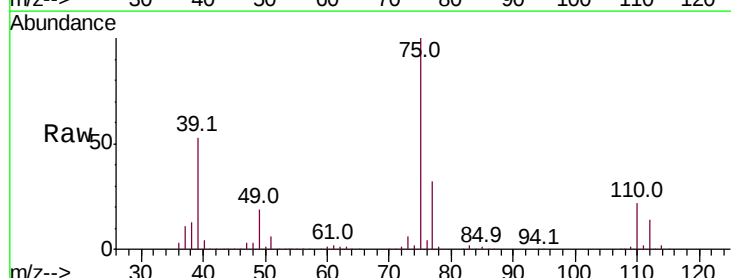
Manual Integrations
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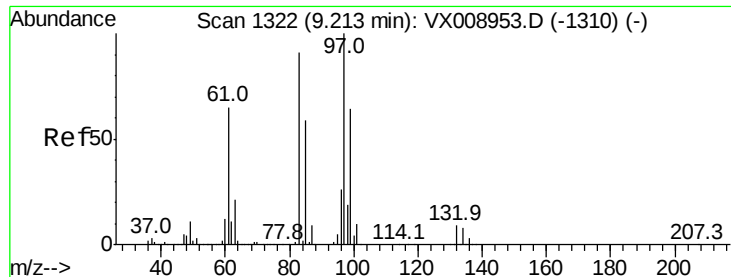
MMdadoda
4/26/2019 10:05:36 AM



#54
cis-1,3-Dichloropropene
Concen: 46.081 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009174.D
Acq: 25 Apr 2019 19:50

Tgt Ion: 75 Resp: 177549
Ion Ratio Lower Upper
75 100
77 31.7 24.8 37.2
39 52.5 41.8 62.6





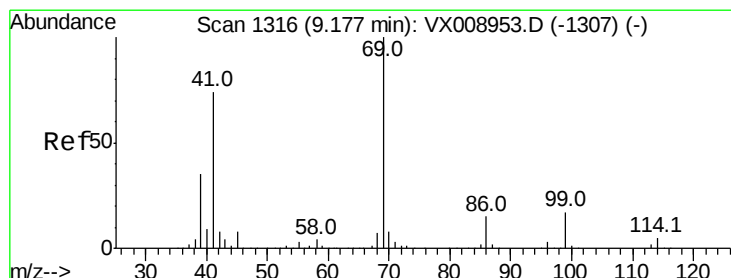
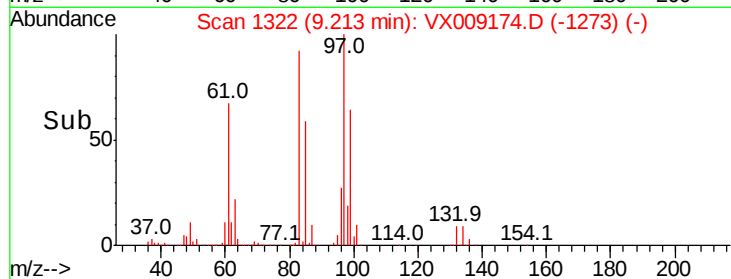
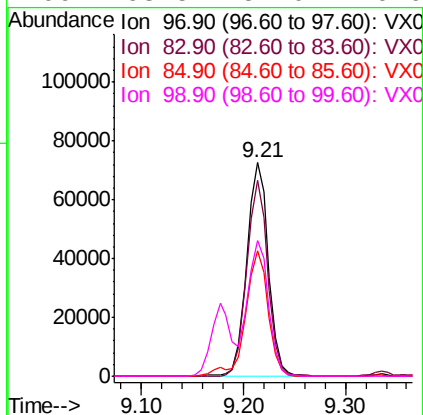
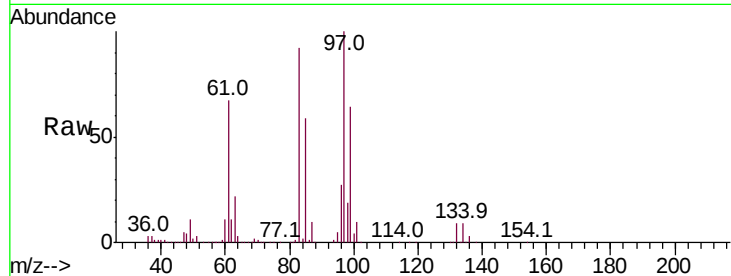
#55
 1,1,2-Trichloroethane
 Concen: 47.784 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009174.D
 Acq: 25 Apr 2019 19:50

Instrument :
 MSVOA_X
 ClientSampleId :
 HW-7MS

Tot Ion:	97	Resp:	107164
Ion	Ratio	Lower	Upper
97	100		
83	91.6	72.6	108.8
85	58.9	46.9	70.3
99	63.5	51.0	76.6

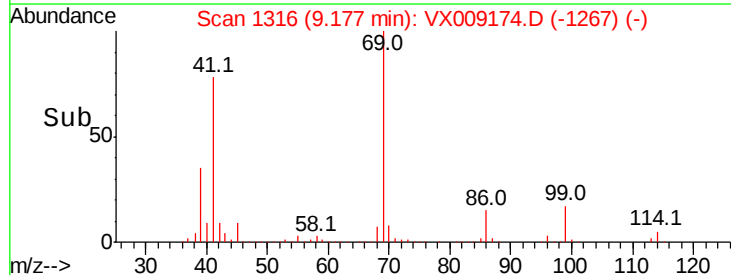
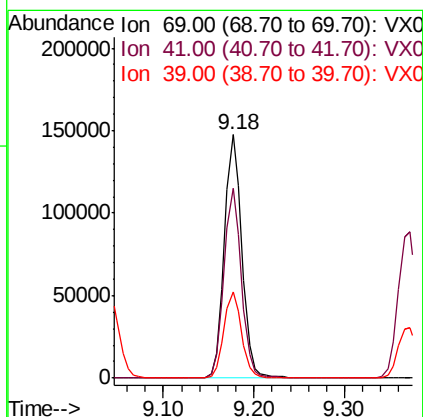
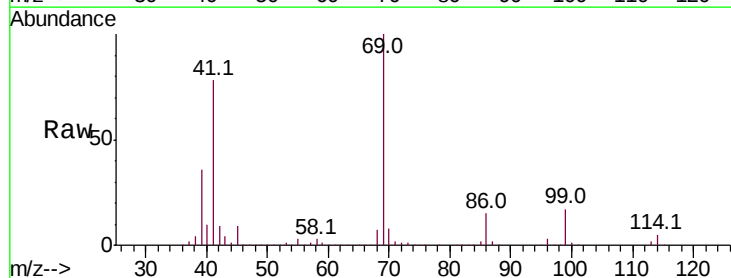
Manual Integrations
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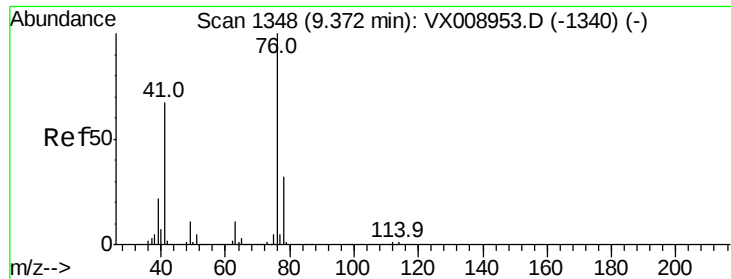
MMDadoda
 4/26/2019 10:05:36 AM



#56
 Ethyl methacrylate
 Concen: 49.473 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009174.D
 Acq: 25 Apr 2019 19:50

Tgt Ion:	69	Resp:	198947
Ion	Ratio	Lower	Upper
69	100		
41	77.3	60.2	90.2
39	35.8	27.9	41.9





#57

1,3-Dichloropropane

Concen: 47.899 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_X

ClientSampled :

HW-7MS

Tot Ion: 76 Resp: 191266

Ion Ratio Lower Upper

76 100

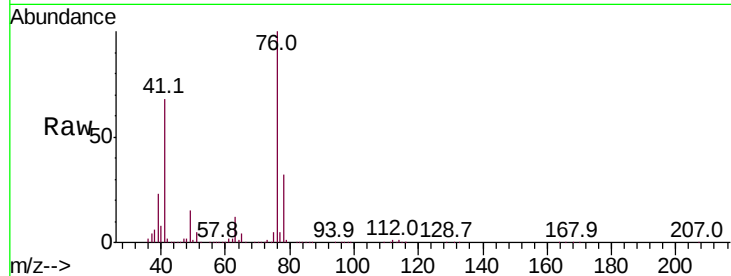
78 32.3 25.7 38.5

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

150000

100000

50000

0

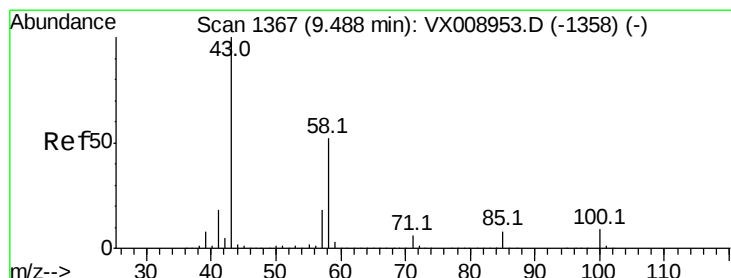
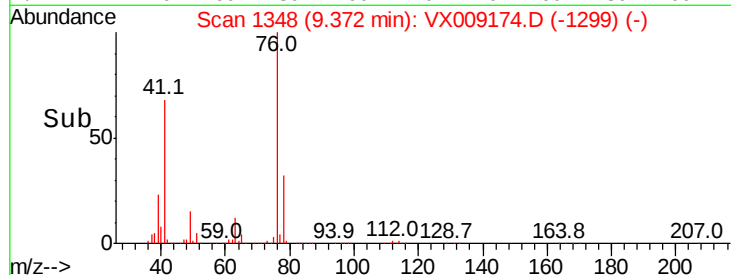
9.37

9.35

9.40

9.45

Time-->



#59

2-Hexanone

Concen: 270.586 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VX009174.D

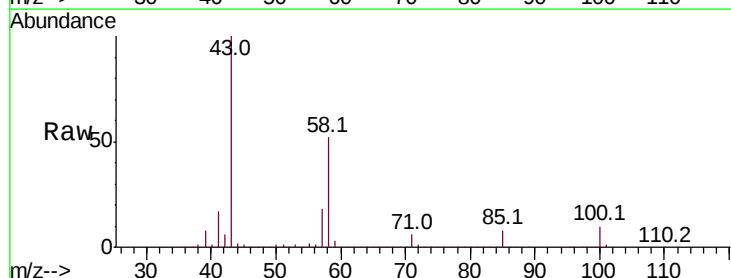
Acq: 25 Apr 2019 19:50

Tgt Ion: 43 Resp: 882053

Ion Ratio Lower Upper

43 100

58 51.1 25.9 77.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

600000

400000

200000

0

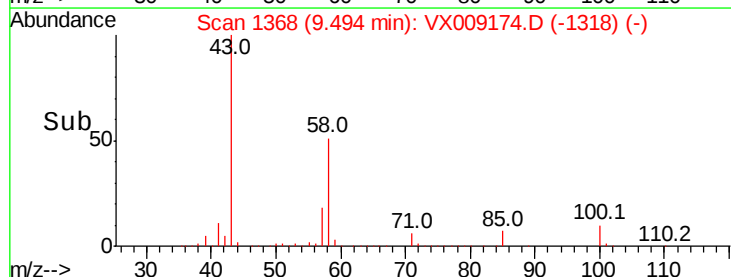
9.49

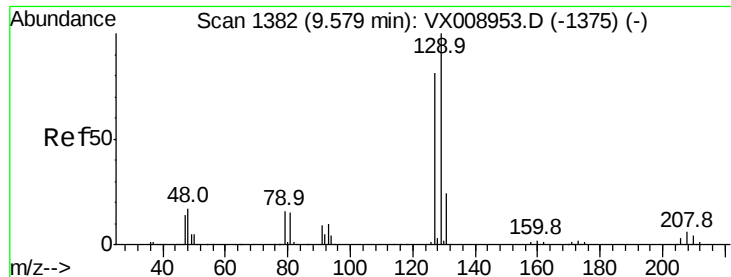
9.40

9.50

9.60

Time-->





#60

Dibromochloromethane

Concen: 49.745 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

HW-7MS

Tot Ion:129 Resp: 106922

Ion Ratio Lower Upper

129 100

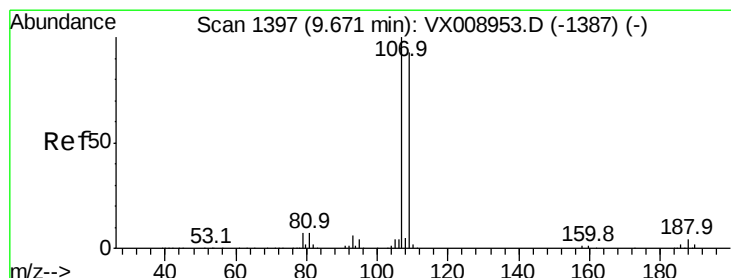
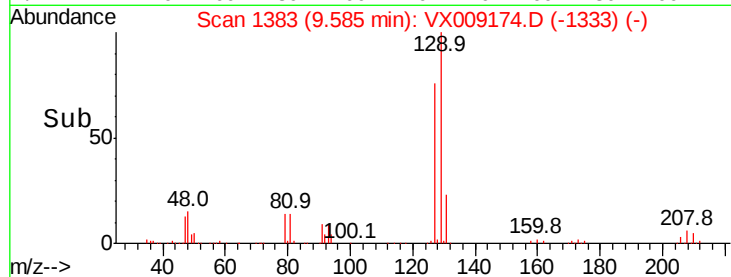
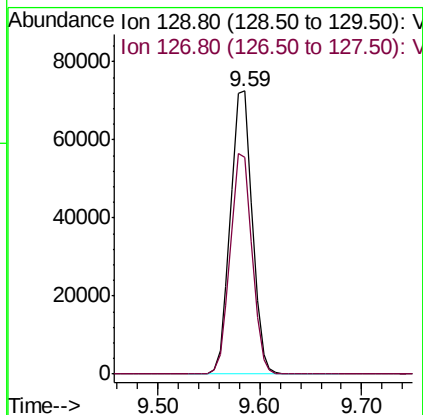
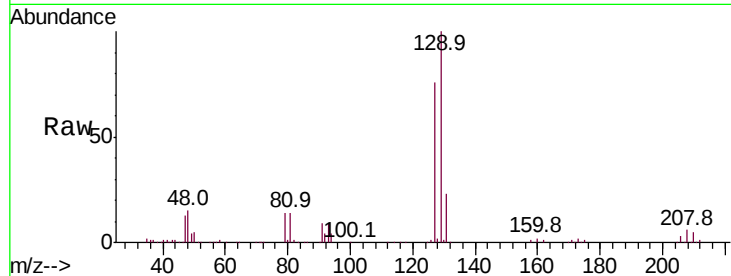
127 77.5 39.1 117.2

Manual Integrations

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MMdadoda

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#61

1,2-Dibromoethane

Concen: 47.459 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009174.D

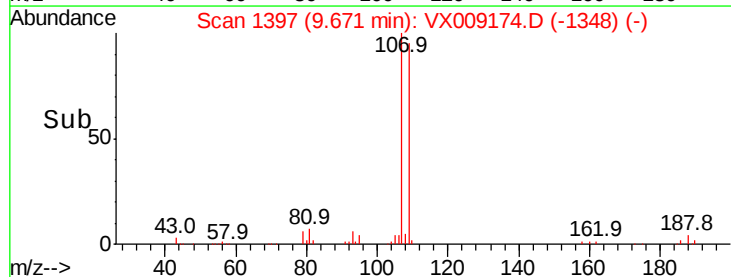
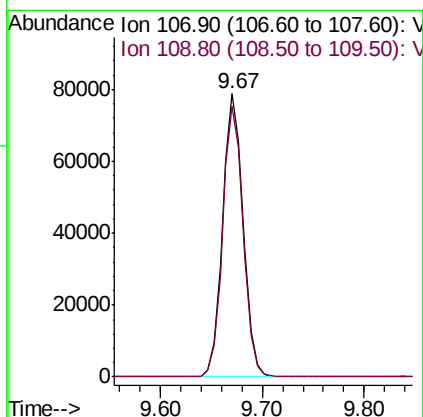
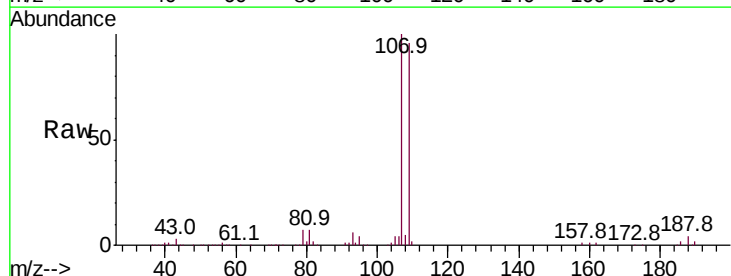
Acq: 25 Apr 2019 19:50

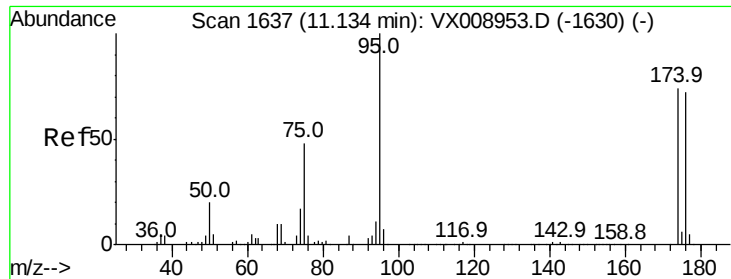
Tgt Ion:107 Resp: 109852

Ion Ratio Lower Upper

107 100

109 95.2 74.4 111.6





#62

4-Bromofluorobenzene

Concen: 45.734 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_X

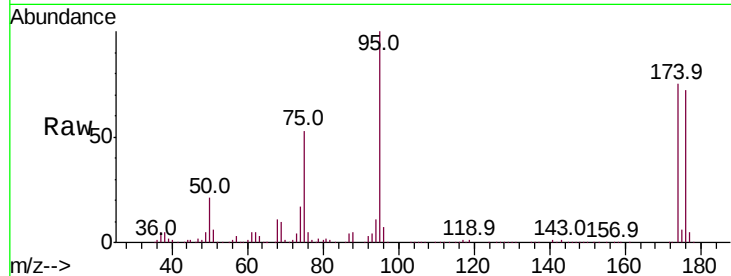
ClientSampled :

HW-7MS

Tot Ion:	95	Resp:	127871
Ion Ratio	Lower	Upper	
95	100		
174	80.7	0.0	159.6
176	78.7	0.0	154.8

Manual Integrations
APPROVED

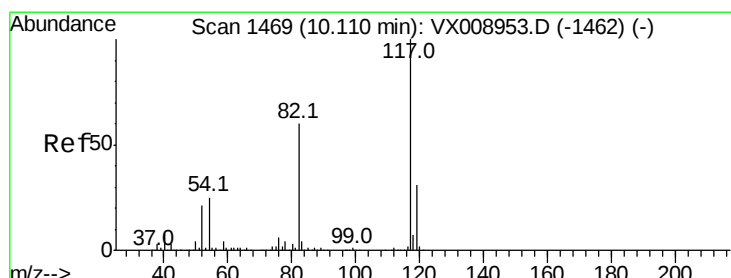
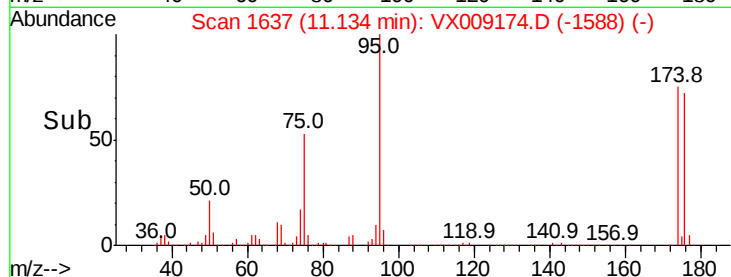
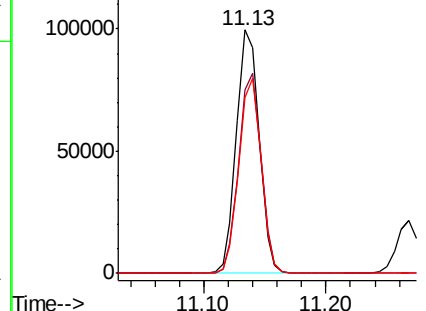
MMdadoda
4/26/2019 10:05:36 AM



Abundance Ion 94.90 (94.60 to 95.60): VX008953.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008953.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008953.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

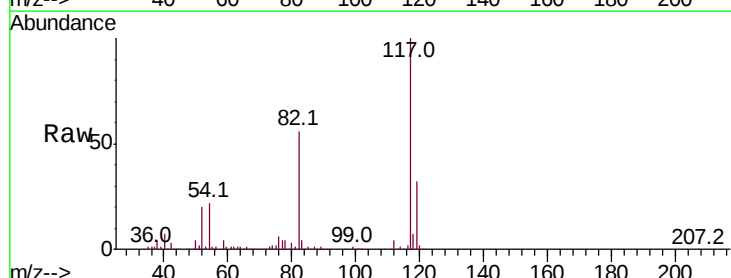
RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

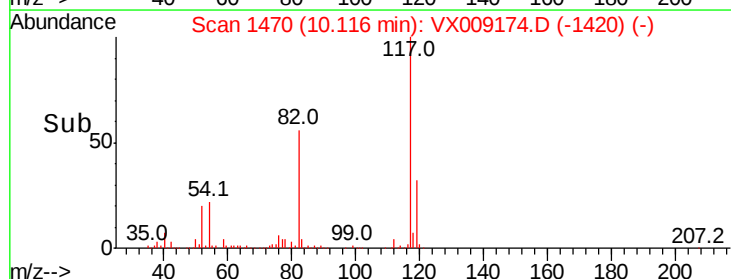
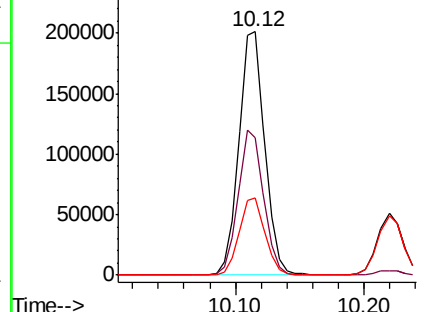
Tgt Ion:	117	Resp:	281016
Ion Ratio	Lower	Upper	
117	100		
82	56.3	48.2	72.4
119	31.7	25.0	37.6

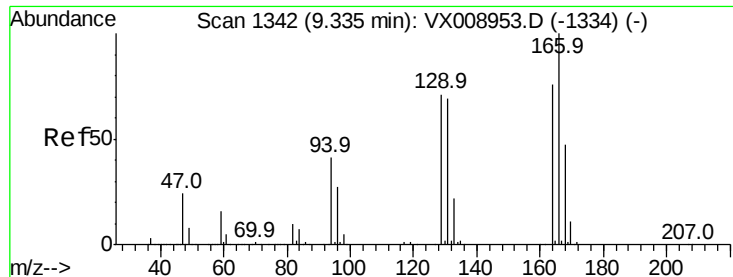


Abundance Ion 116.90 (116.60 to 117.60): VX008953.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008953.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008953.D (-1462) (-)





#64

Tetrachloroethene

Concen: 41.467 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

HW-7MS

Tot Ion:164 Resp: 88524

Ion Ratio Lower Upper

164 100

166 128.2 105.0 157.4

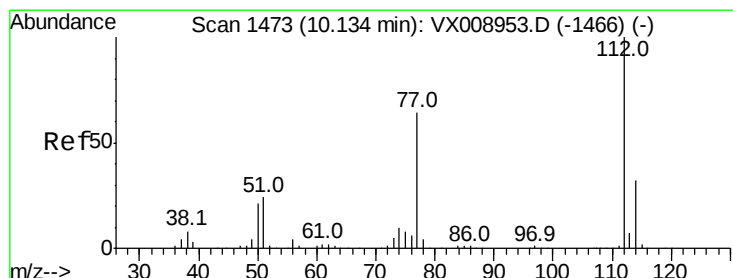
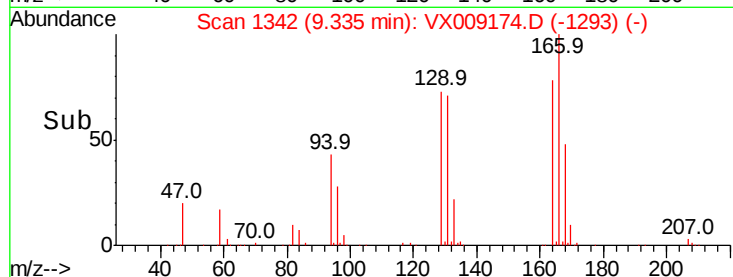
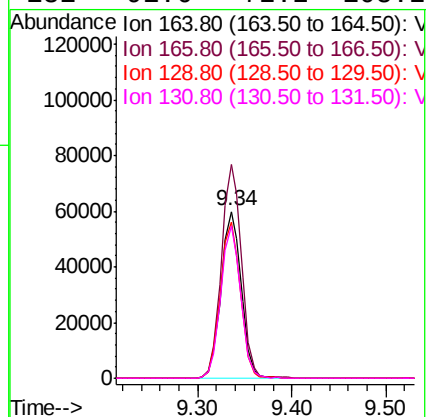
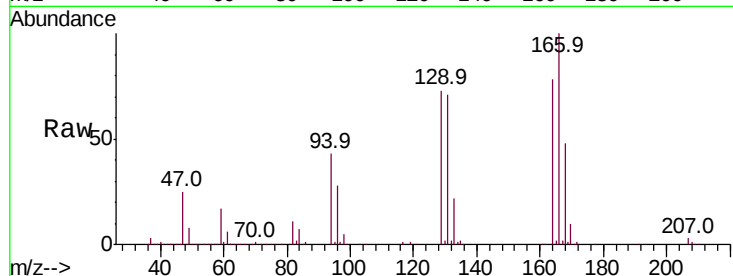
129 93.9 74.2 111.4

131 91.6 72.2 108.2

Manual Integrations
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4/26/2019 10:05:36 AM



#65

Chlorobenzene

Concen: 45.831 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009174.D

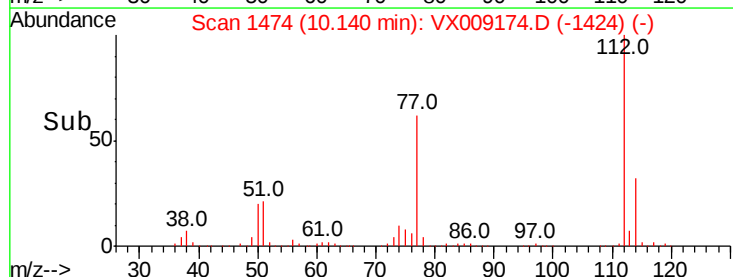
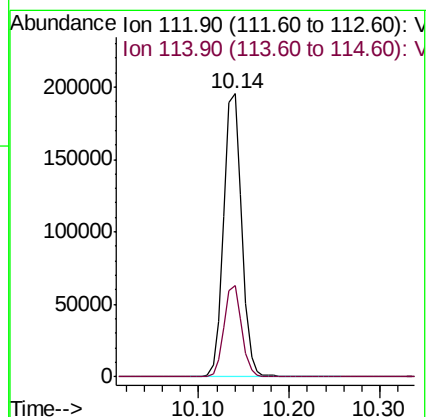
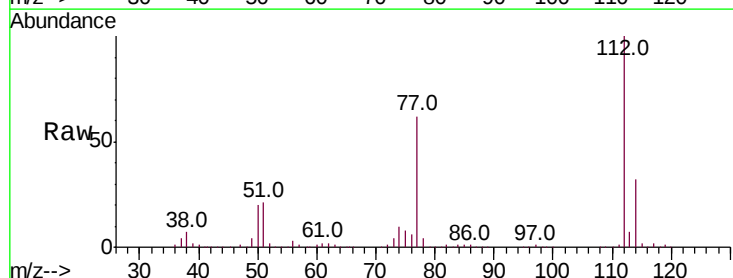
Acq: 25 Apr 2019 19:50

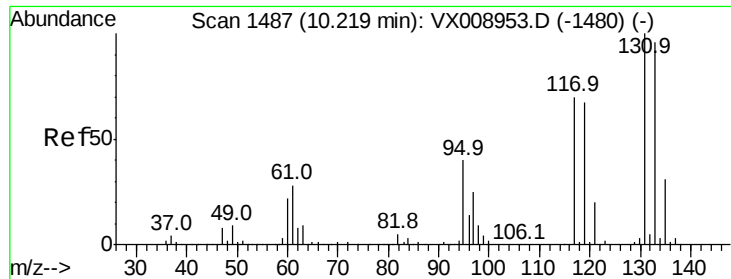
Tgt Ion:112 Resp: 271846

Ion Ratio Lower Upper

112 100

114 32.4 25.4 38.0





#66

1,1,1,2-Tetrachloroethane

Concen: 46.931 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

HW-7MS

Tot Ion:131 Resp: 98067

Ion Ratio Lower Upper

131 100

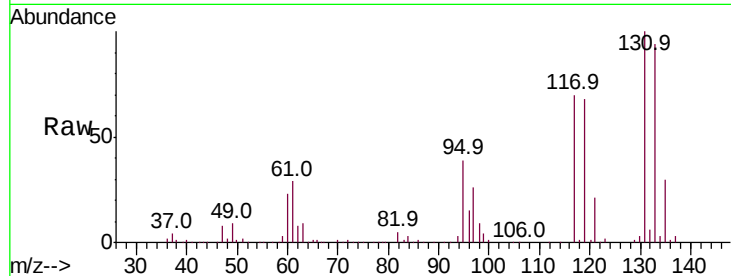
133 95.2 48.0 144.2

119 67.6 33.7 101.1

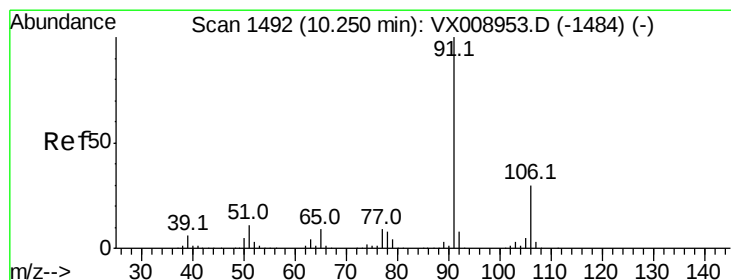
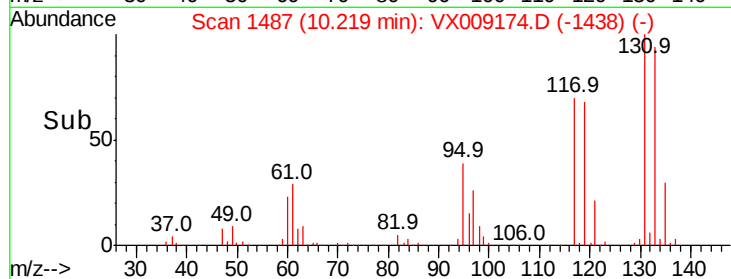
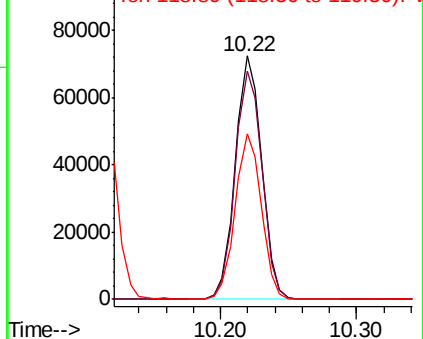
Manual Integrations
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Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 46.451 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009174.D

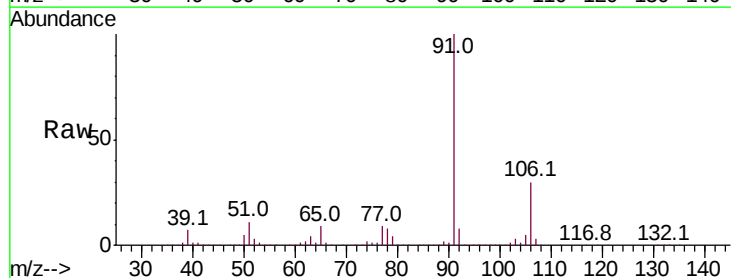
Acq: 25 Apr 2019 19:50

Tgt Ion: 91 Resp: 503668

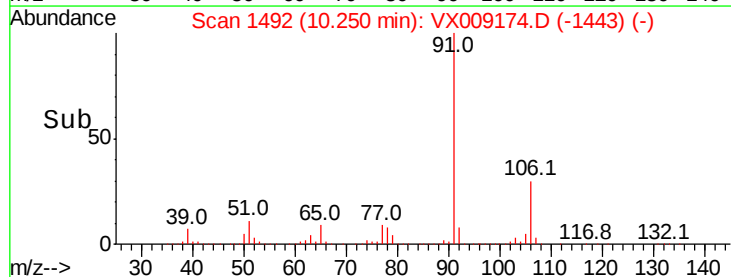
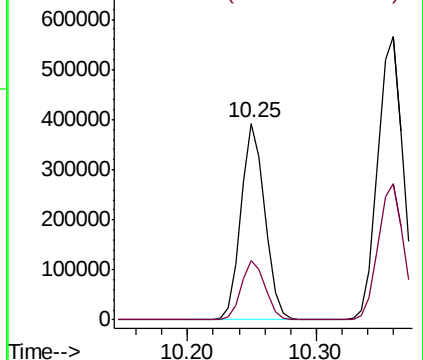
Ion Ratio Lower Upper

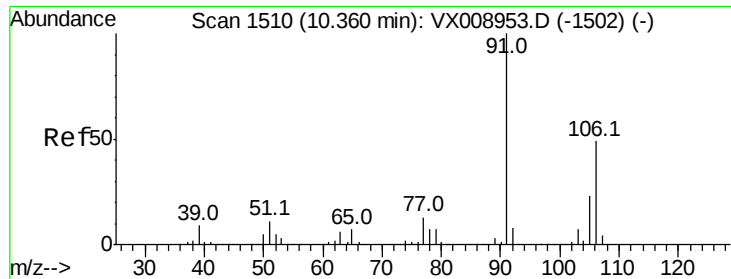
91 100

106 30.2 24.3 36.5



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





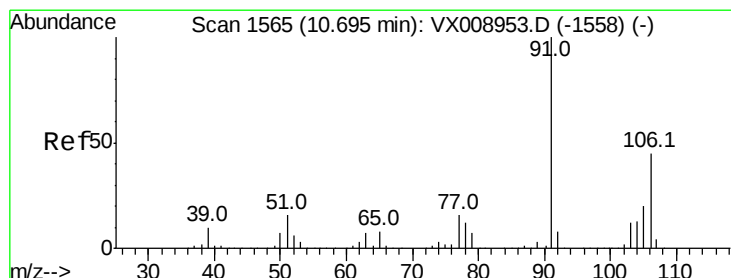
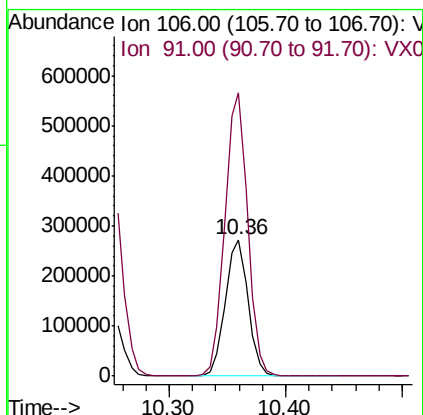
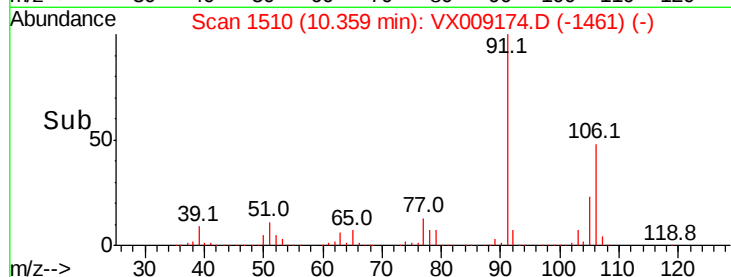
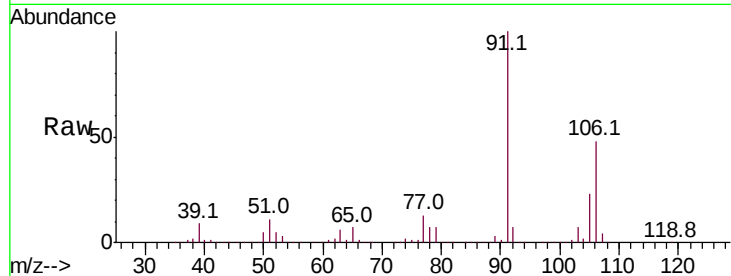
#68
m/p-Xylenes
Concen: 93.407 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009174.D
Acq: 25 Apr 2019 19:50

Instrument :
MSVOA_X
ClientSampleId :
HW-7MS

Tot Ion:106 Resp: 368082
Ion Ratio Lower Upper
106 100
91 207.7 165.4 248.2

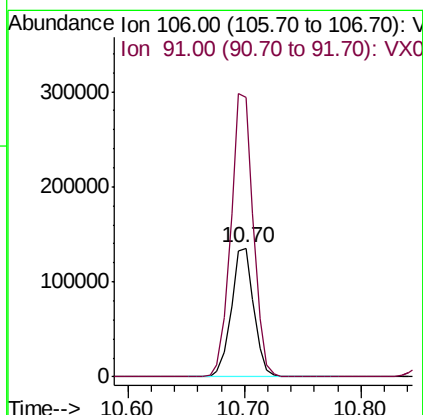
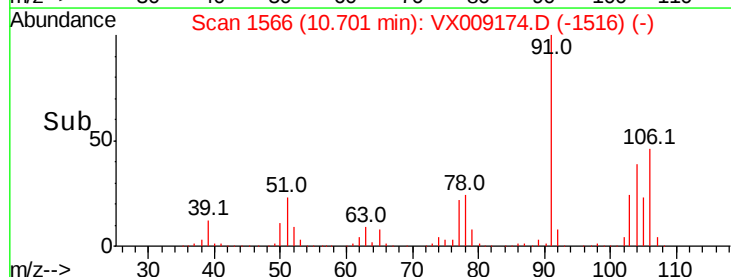
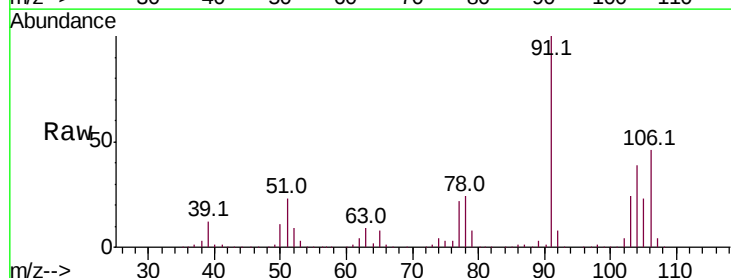
Manual Integrations
APPROVED

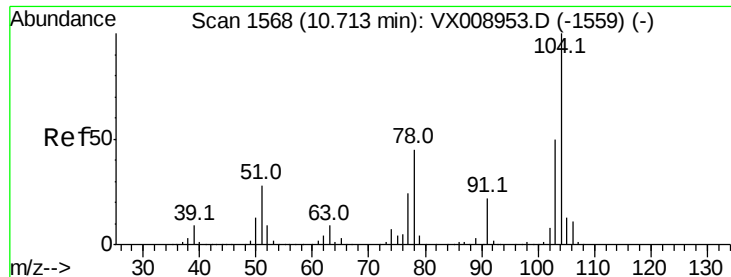
MMDadoda
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#69
o-Xylene
Concen: 47.390 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX009174.D
Acq: 25 Apr 2019 19:50

Tgt Ion:106 Resp: 181707
Ion Ratio Lower Upper
106 100
91 219.9 108.9 326.7





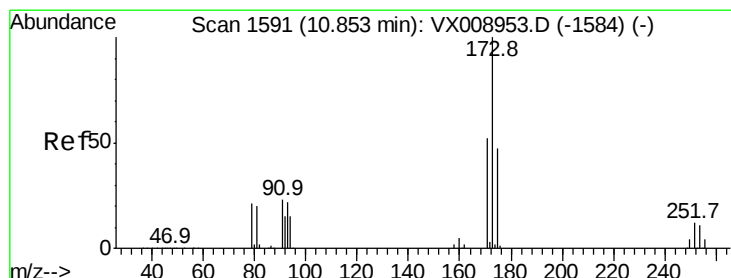
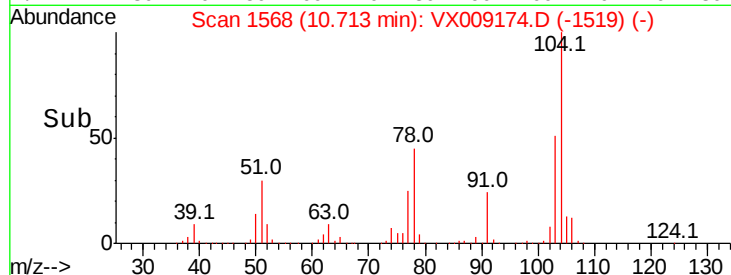
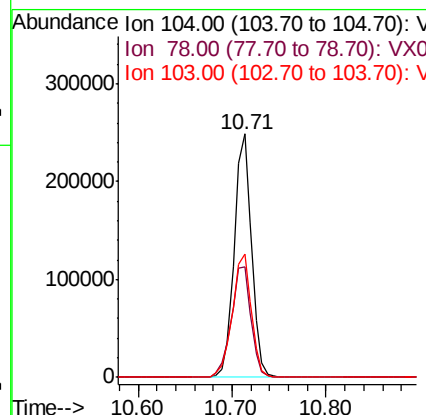
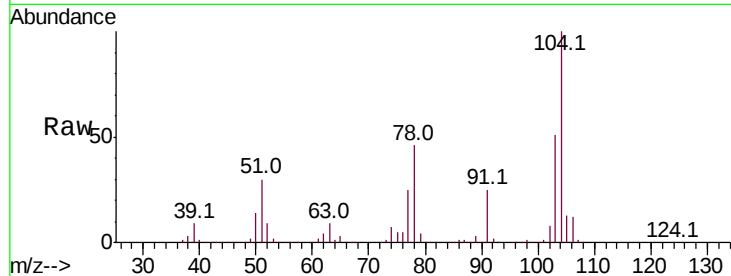
#70
Stvrene
Concen: 47.731 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009174.D
Acq: 25 Apr 2019 19:50

Instrument :
MSVOA_X
ClientSampleId :
HW-7MS

Tot Ion	Ratio	Resp	Lower	Upper
104	100	317147		
78	51.9	41.2	61.8	
103	55.6	43.9	65.9	

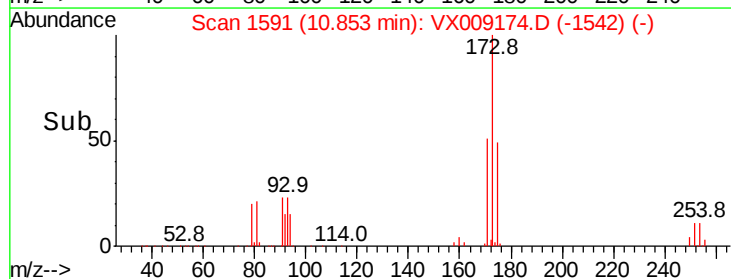
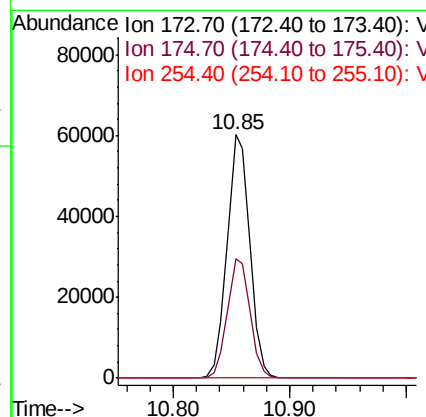
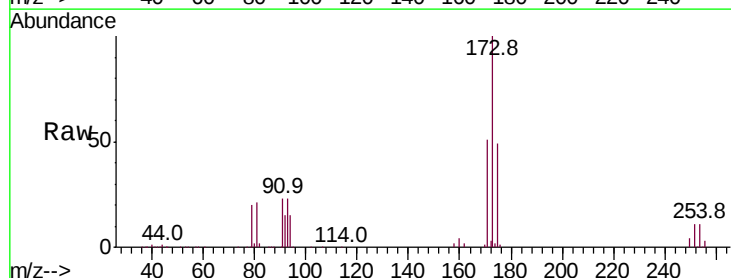
Manual Integrations
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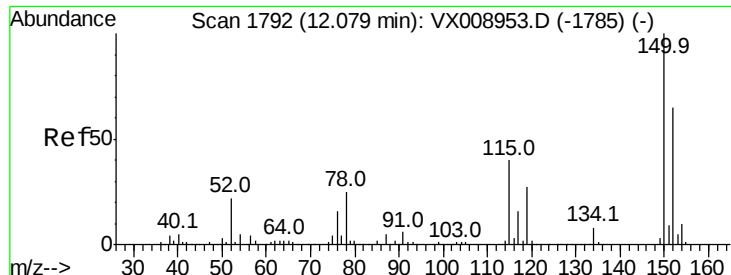
MMDadoda
4/26/2019 10:05:36 AM



#71
Bromoform
Concen: 48.787 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX009174.D
Acq: 25 Apr 2019 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	81217		
175	48.8	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: VX009174.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

HW-7MS

Tot Ion:152 Resp: 135444

Ion Ratio Lower Upper

152 100

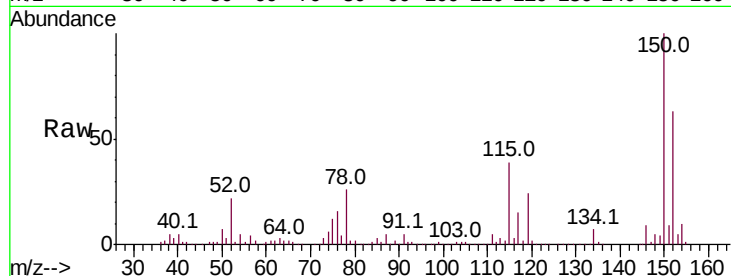
115 80.9 41.4 124.2

150 172.9 0.0 349.8

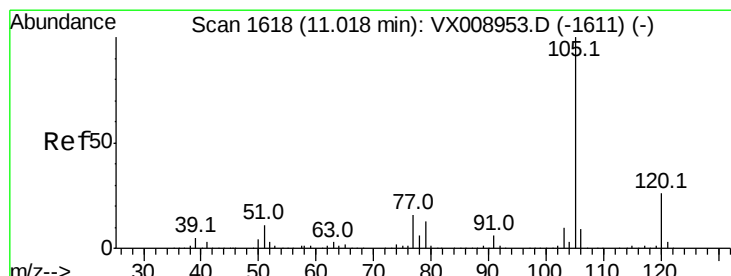
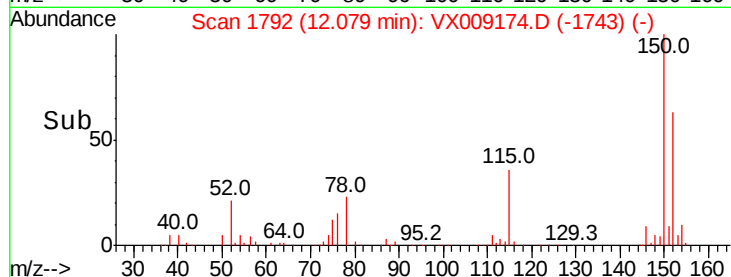
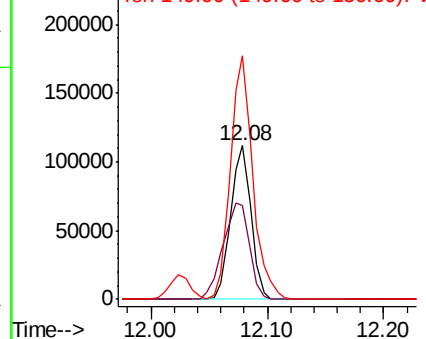
Manual Integrations
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 46.687 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009174.D

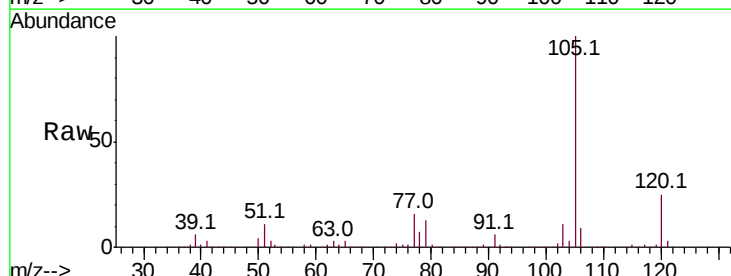
Acq: 25 Apr 2019 19:50

Tgt Ion:105 Resp: 479308

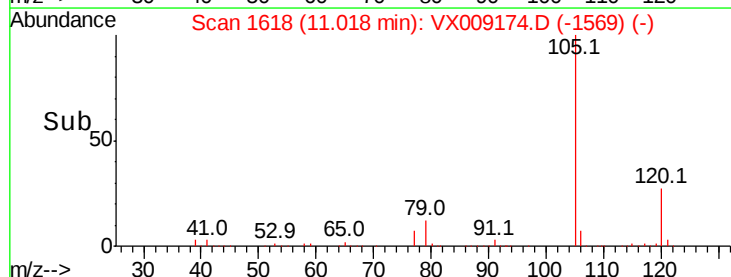
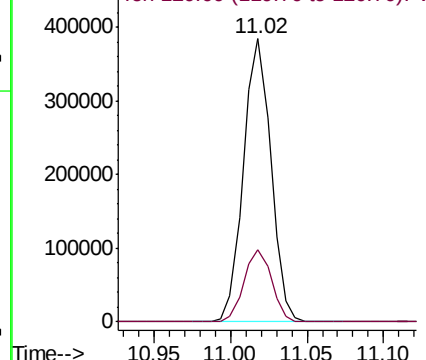
Ion Ratio Lower Upper

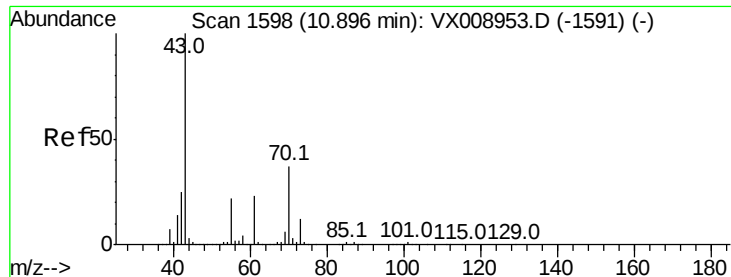
105 100

120 25.7 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 43.817 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_X

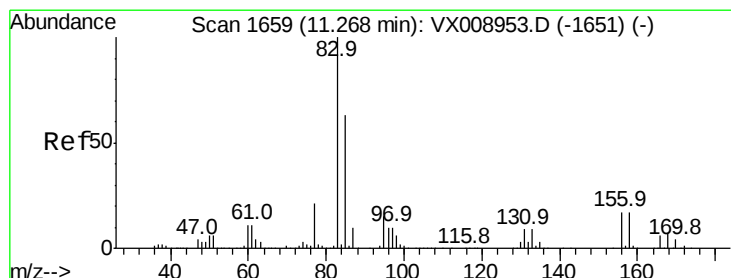
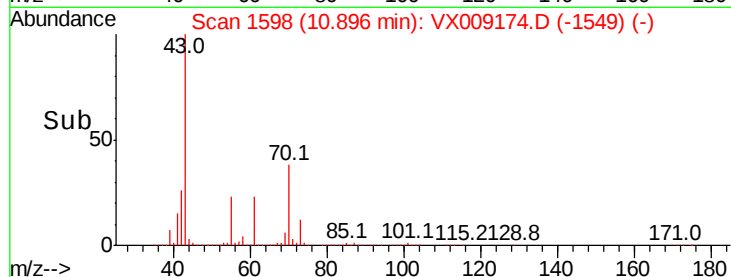
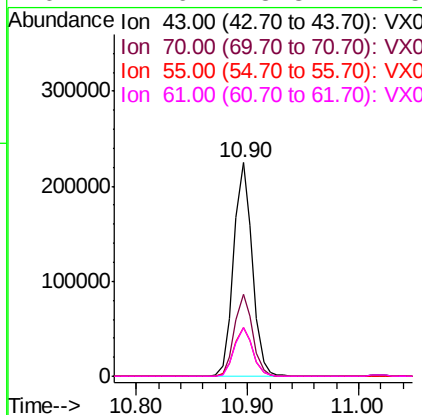
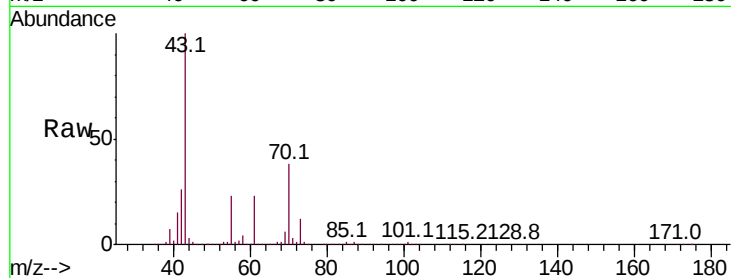
ClientSampleId :

HW-7MS

Tot Ion	43	Resp	258291
Ion	Ratio	Lower	Upper
43	100		
70	37.9	29.9	44.9
55	22.9	17.8	26.8
61	22.6	18.3	27.5

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 49.412 ug/l

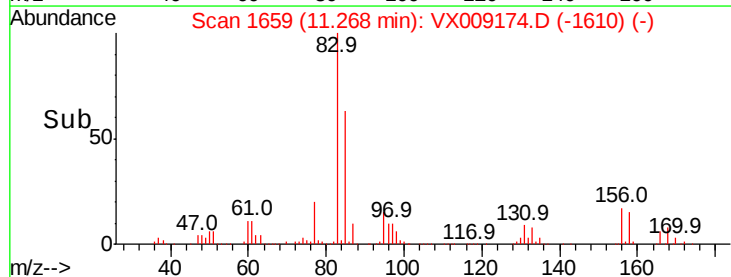
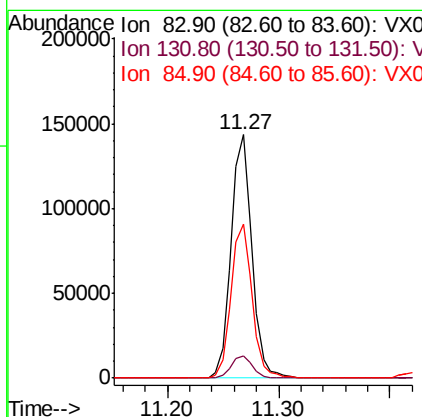
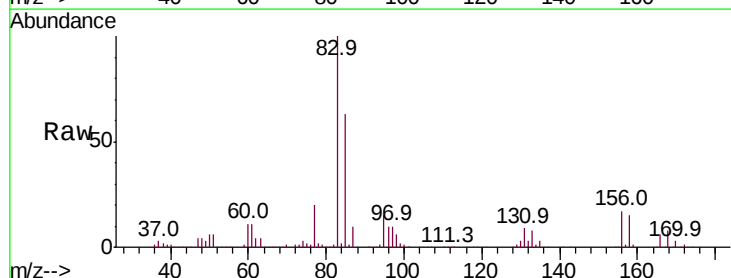
RT: 11.27 min Scan# 1659

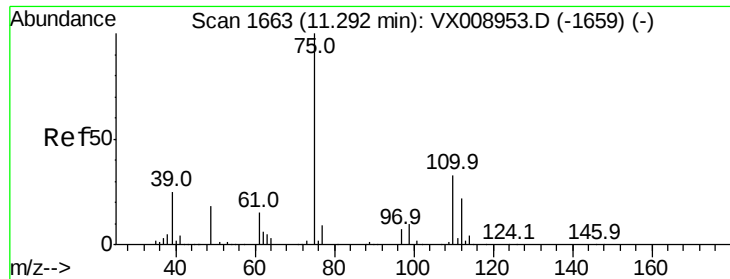
Delta R.T. -0.00 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

Tgt Ion	83	Resp	185354
Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.7	14.0
85	64.4	31.9	95.9





#76

1,2,3-Trichloropropane

Concen: 47.023 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

HW-7MS

Tot Ion: 75 Resp: 155519

Ion Ratio Lower Upper

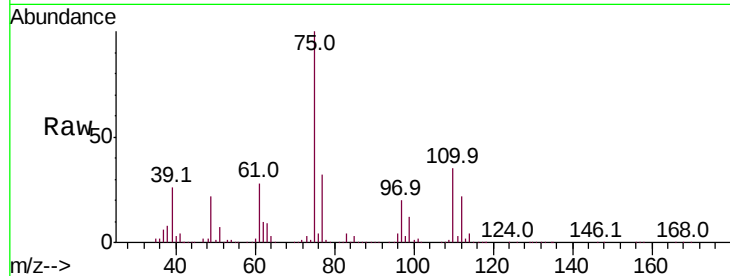
75 100

77 44.4 22.7 68.0

Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

150000

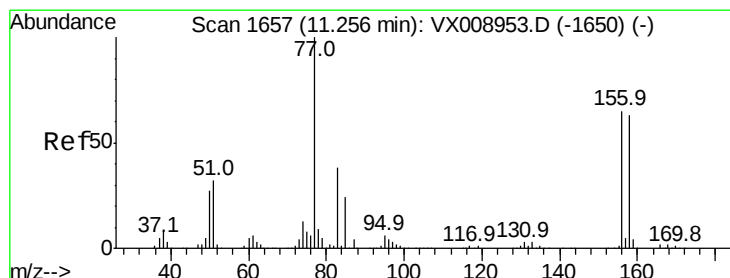
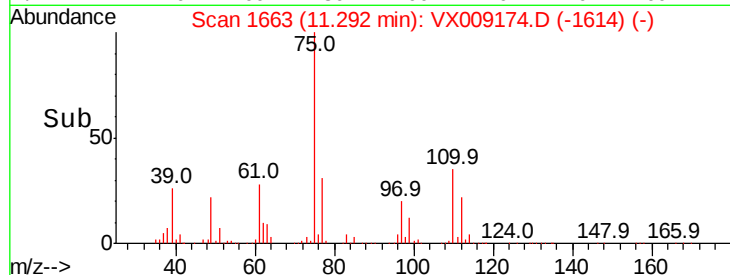
100000

50000

0

11.26 11.28 11.30

Time-->



#77

Bromobenzene

Concen: 45.620 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

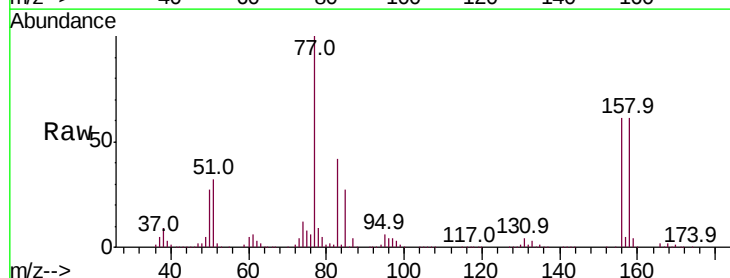
Tgt Ion:156 Resp: 118169

Ion Ratio Lower Upper

156 100

77 171.1 85.4 256.1

158 96.0 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V

200000

150000

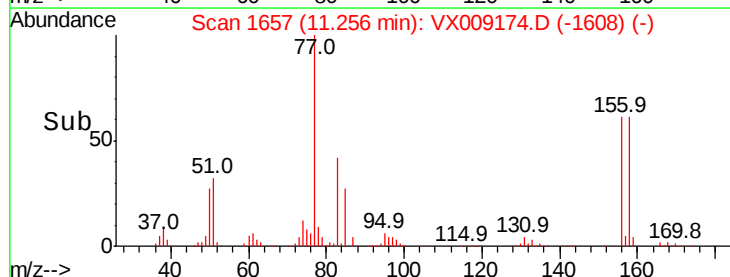
100000

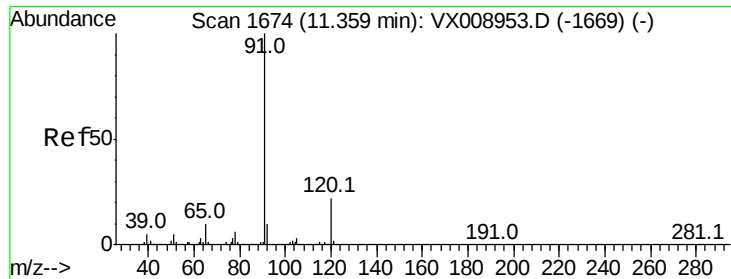
50000

0

11.20 11.30

Time-->





#78

n-propylbenzene

Concen: 47.125 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_X

ClientSampled :

HW-7MS

Tot Ion: 91 Resp: 555307

Ion Ratio Lower Upper

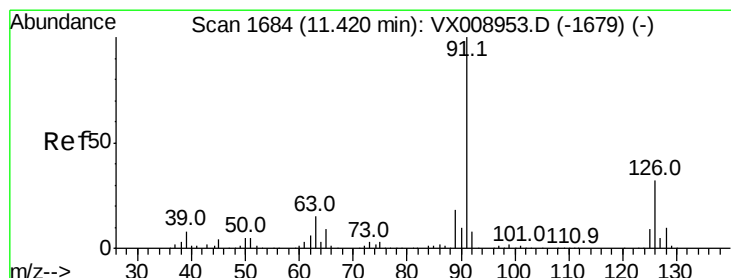
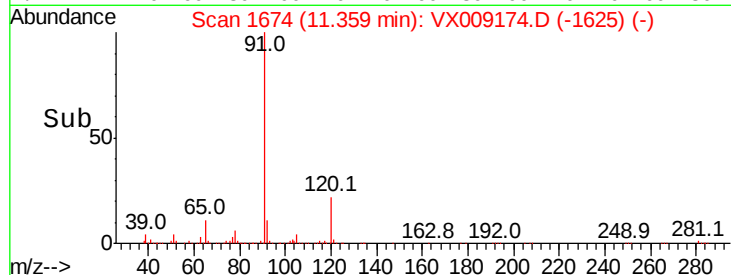
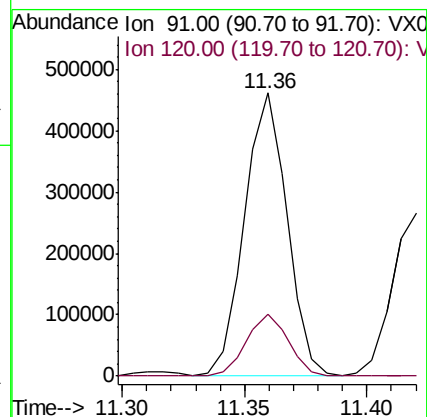
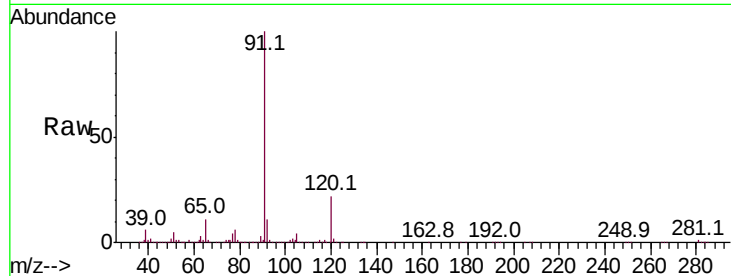
91 100

120 21.9 10.9 32.9

Manual Integrations
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#79

2-Chlorotoluene

Concen: 46.628 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009174.D

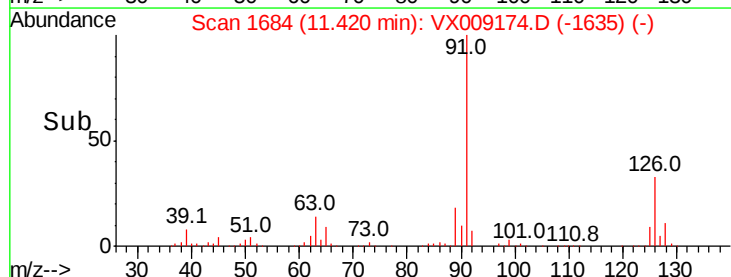
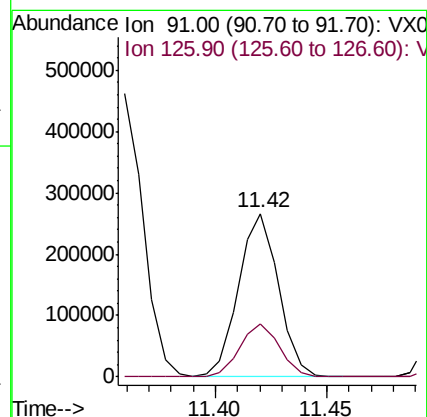
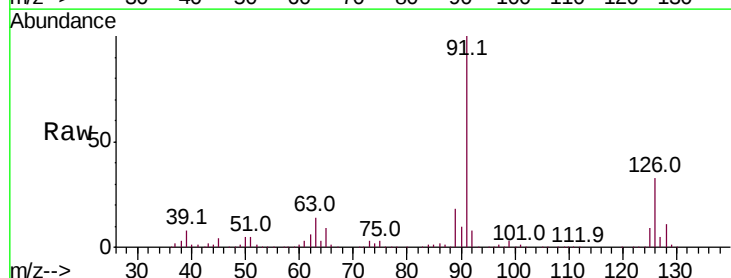
Acq: 25 Apr 2019 19:50

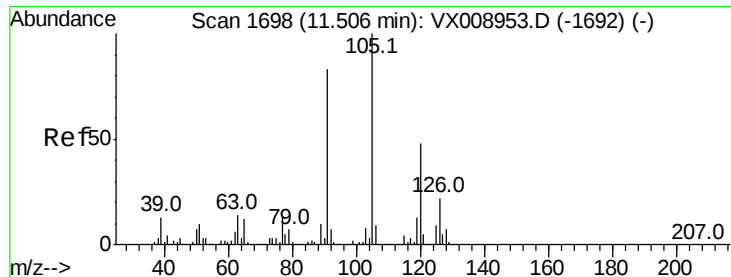
Tgt Ion: 91 Resp: 331095

Ion Ratio Lower Upper

91 100

126 32.5 16.3 48.9





#80

1,3,5-Trimethylbenzene

Concen: 47.120 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

HW-7MS

Tot Ion:105 Resp: 405946

Ion Ratio Lower Upper

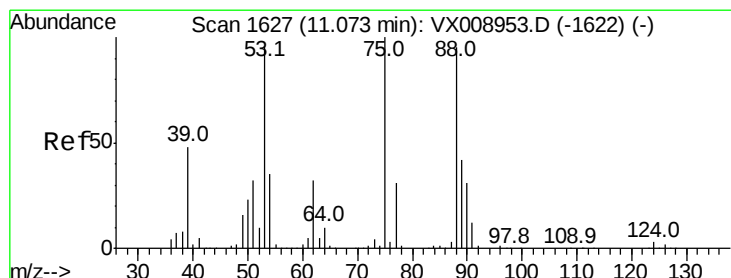
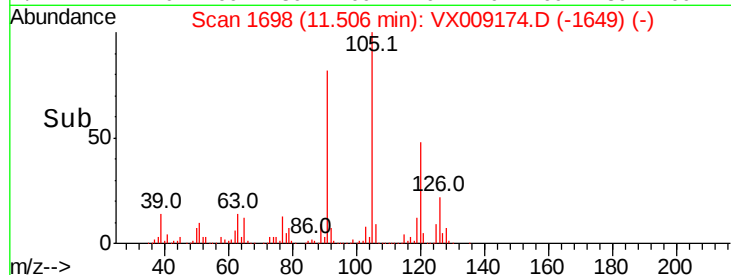
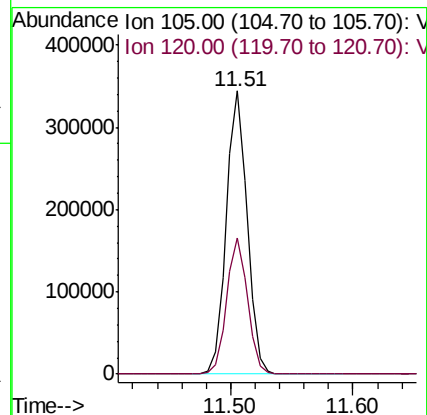
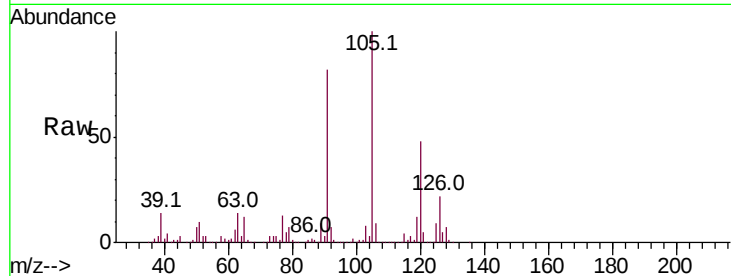
105 100

120 48.1 24.1 72.3

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#81

trans-1,4-Dichloro-2-butene

Concen: 44.593 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

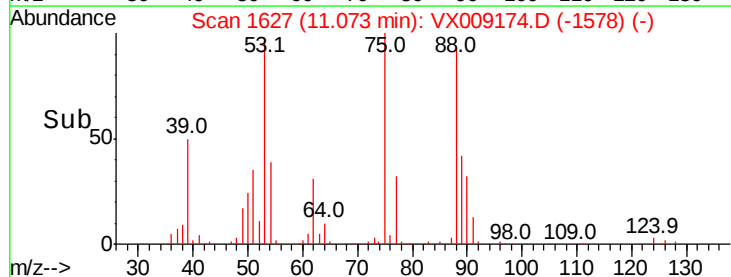
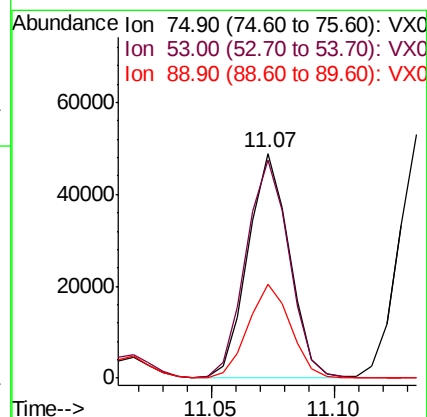
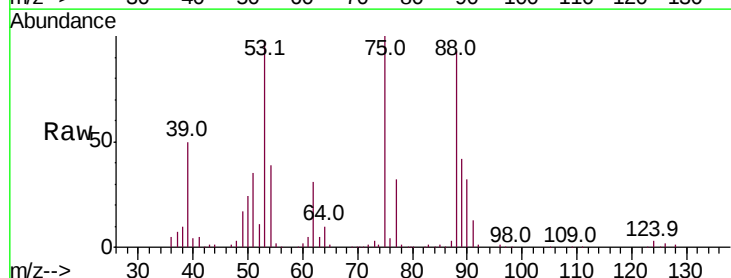
Tgt Ion: 75 Resp: 57447

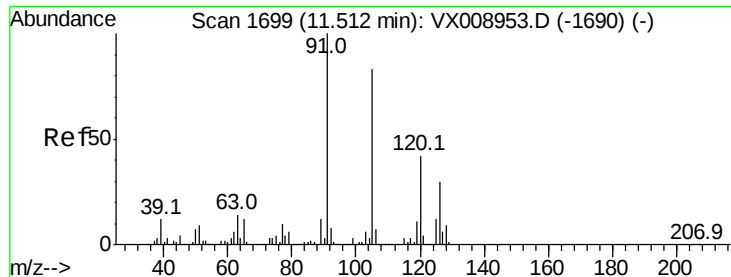
Ion Ratio Lower Upper

75 100

53 102.5 78.2 117.4

89 43.2 36.0 54.0





#82

4-Chlorotoluene

Concen: 46.208 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

HW-7MS

Tot Ion: 91 Resp: 381070

Ion Ratio Lower Upper

91 100

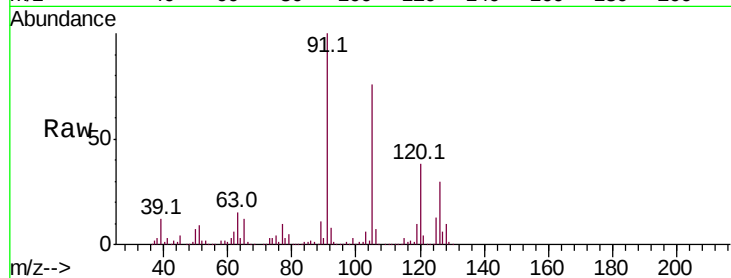
126 28.6 14.3 42.9

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Abundance Ion 91.00 (90.70 to 91.70): VX008953.D (-1690) (-)

Ion 125.90 (125.60 to 126.60): VX008953.D (-1690) (-)

11.51

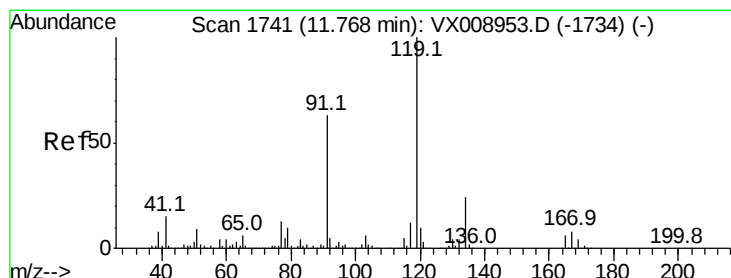
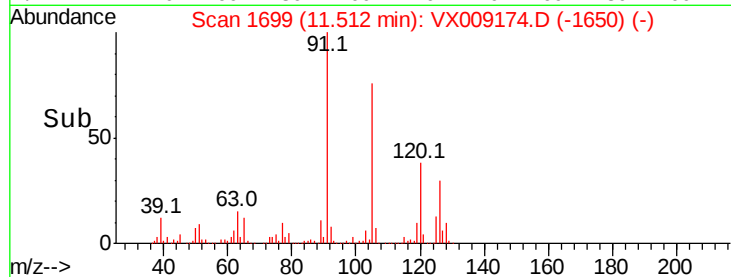
300000

200000

100000

0

Time--> 11.40 11.50 11.60



#83

tert-Butylbenzene

Concen: 48.373 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

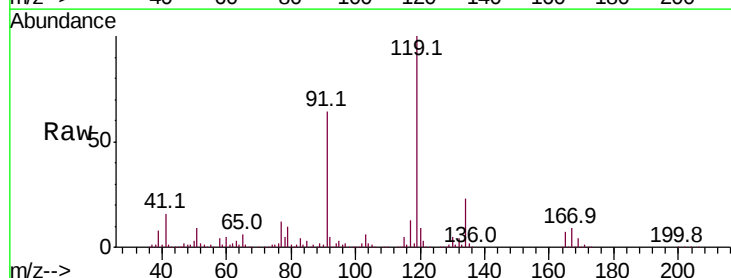
Tgt Ion: 119 Resp: 400113

Ion Ratio Lower Upper

119 100

91 57.4 29.7 89.1

134 21.7 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): VX008953.D (-1734) (-)

Ion 91.00 (90.70 to 91.70): VX008953.D (-1734) (-)

Ion 134.00 (133.70 to 134.70): VX008953.D (-1734) (-)

11.77

400000

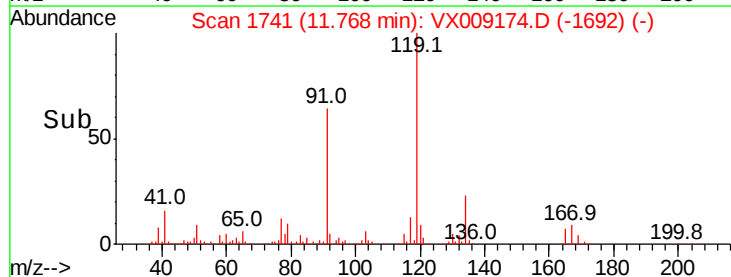
300000

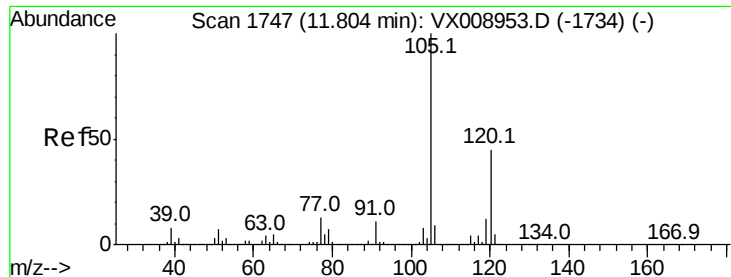
200000

100000

0

Time--> 11.70 11.75 11.80





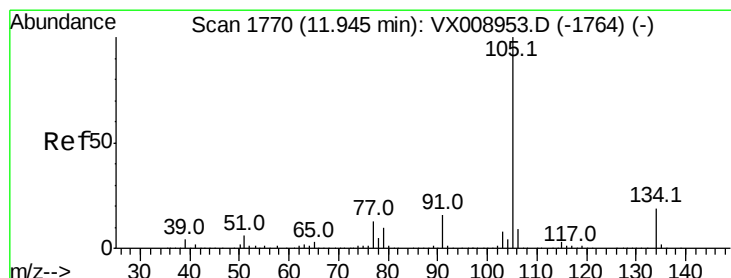
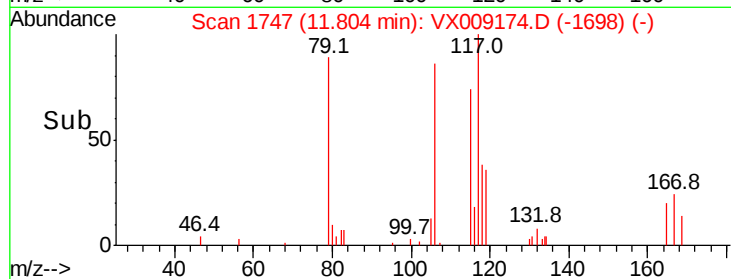
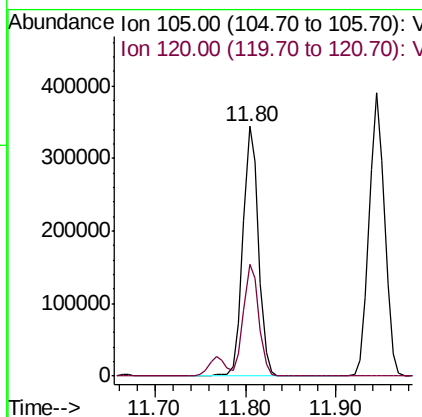
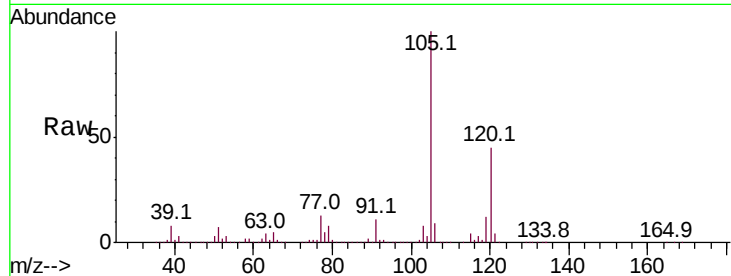
#84
 1,2,4-Trimethylbenzene
 Concen: 46.622 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009174.D
 Acq: 25 Apr 2019 19:50

Instrument :
 MSVOA_X
 ClientSampled :
 HW-7MS

Tot Ion	Ratio	Resp	Lower	Upper
105	100	408854		
120	44.1	21.9	65.8	

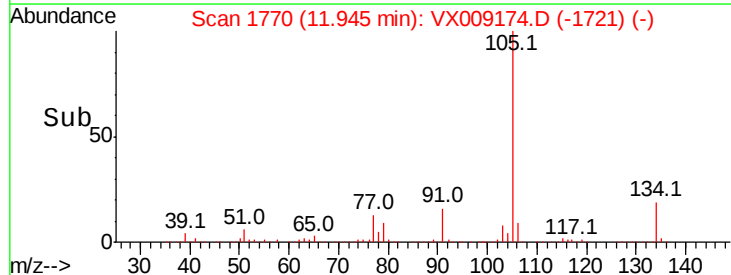
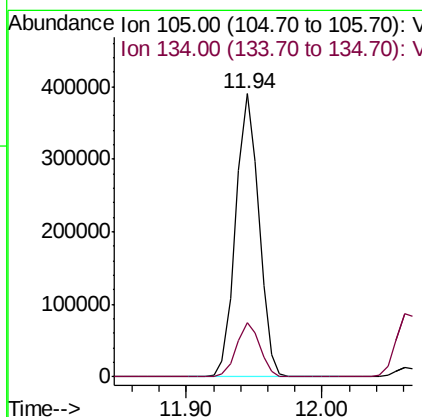
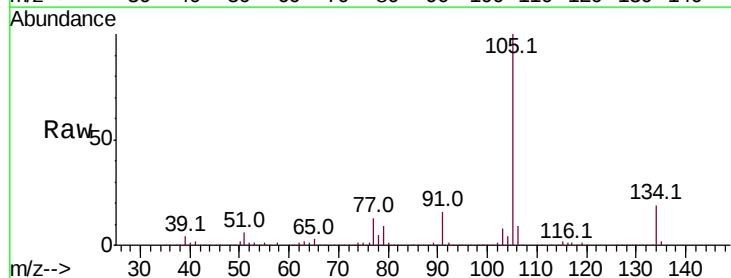
Manual Integrations
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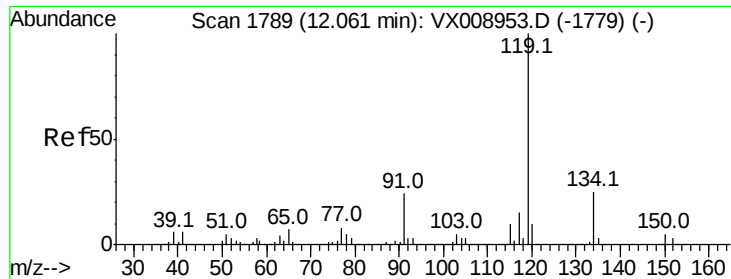
MMDadoda
 4/26/2019 10:05:36 AM



#85
 sec-Butylbenzene
 Concen: 47.122 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009174.D
 Acq: 25 Apr 2019 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	464856		
134	19.2	9.6	28.6	





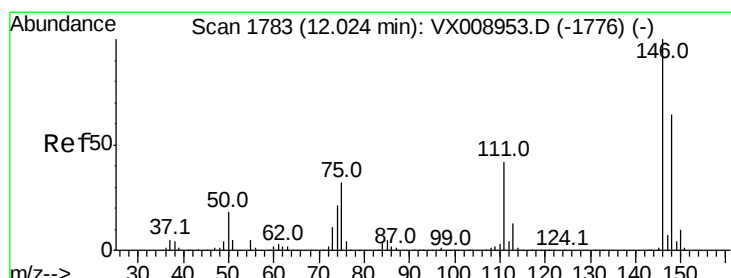
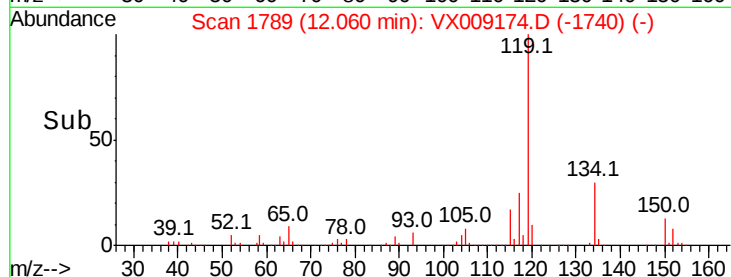
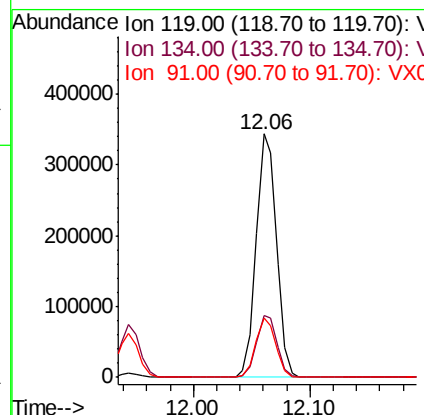
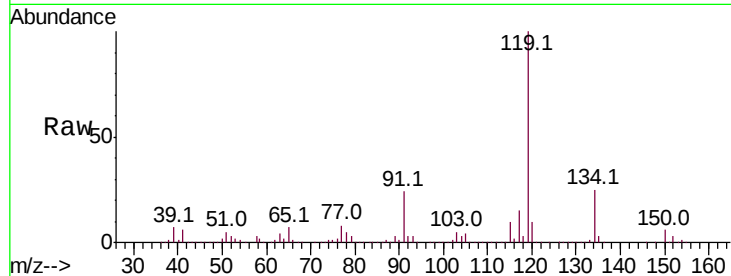
#86
p-Isopropyltoluene
Concen: 46.209 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX009174.D
Acq: 25 Apr 2019 19:50

Instrument :
MSVOA_X
ClientSampleId :
HW-7MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	419102		
134	25.8	12.9	38.6	
91	23.8	11.9	35.5	

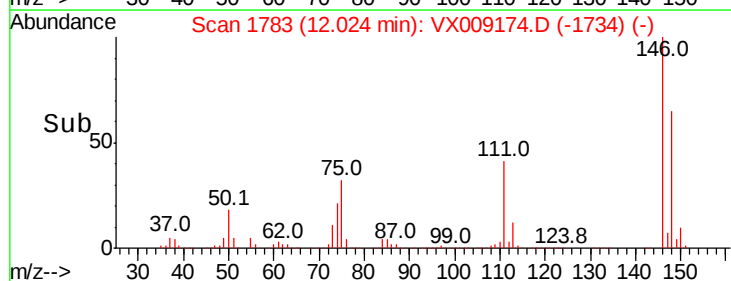
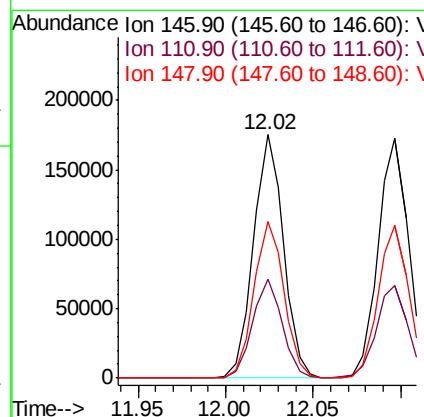
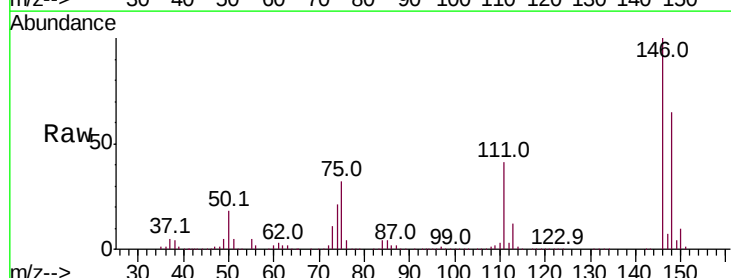
Manual Integrations
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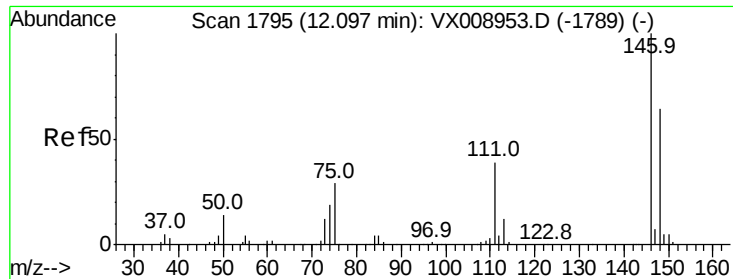
MMDadoda
4/26/2019 10:05:36 AM



#87
1,3-Dichlorobenzene
Concen: 46.103 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VX009174.D
Acq: 25 Apr 2019 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	209014		
111	40.3	20.5	61.6	
148	64.5	32.2	96.6	





#88

1,4-Dichlorobenzene

Concen: 45.434 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_X

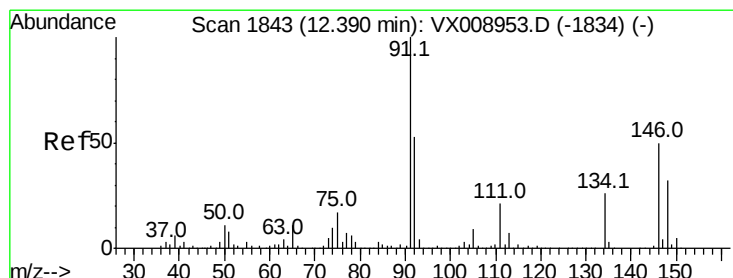
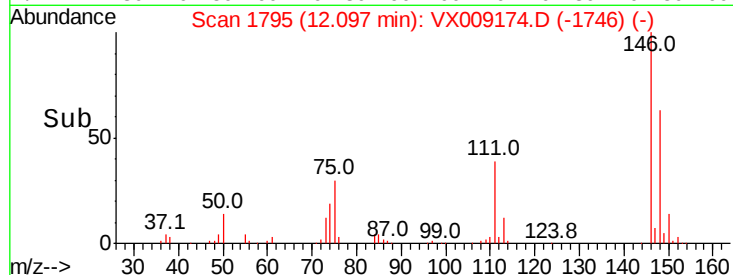
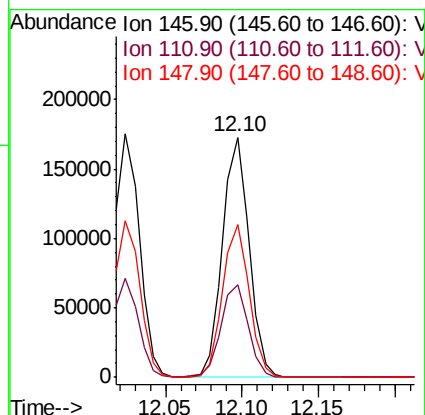
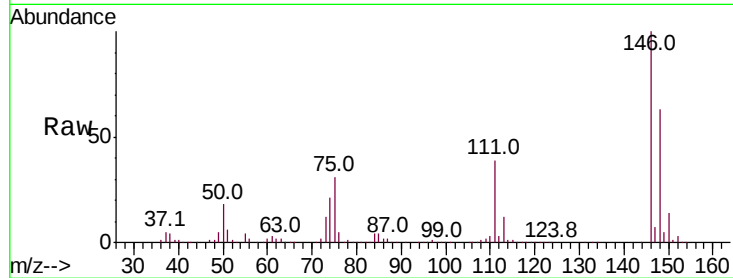
ClientSampled :

HW-7MS

Tot Ion:	146	Resp:	208803
Ion Ratio	Lower	Upper	
146	100		
111	39.9	20.0	59.9
148	63.8	32.2	96.6

Manual Integrations
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#89

n-Butylbenzene

Concen: 44.805 ug/l

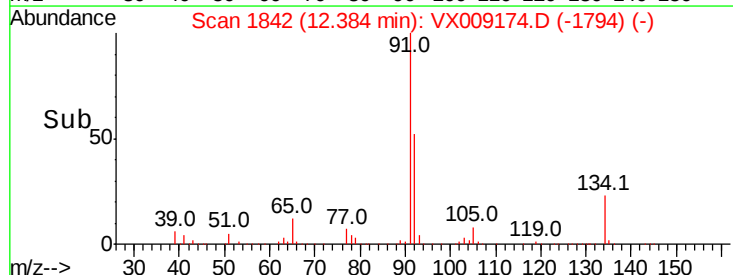
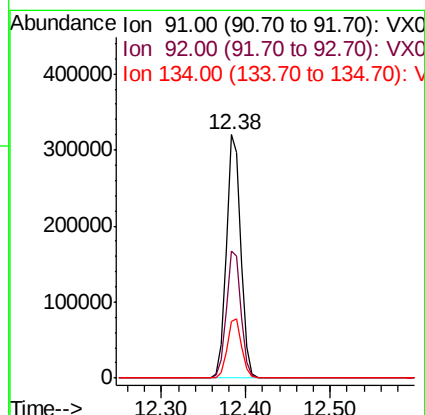
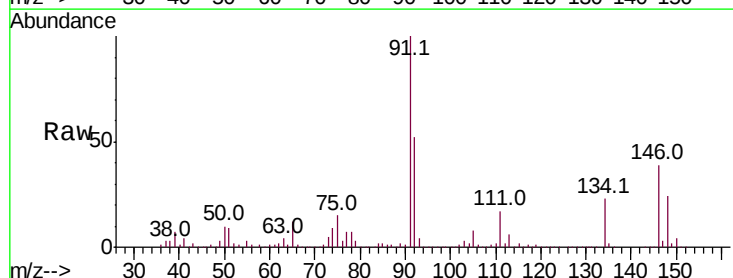
RT: 12.38 min Scan# 1842

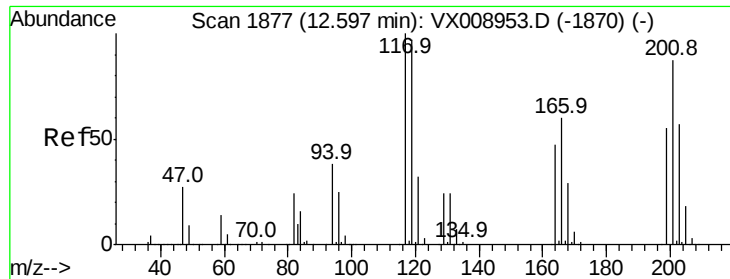
Delta R.T. -0.01 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

Tgt Ion:	91	Resp:	378449
Ion Ratio	Lower	Upper	
91	100		
92	52.8	26.6	79.8
134	24.5	12.4	37.2





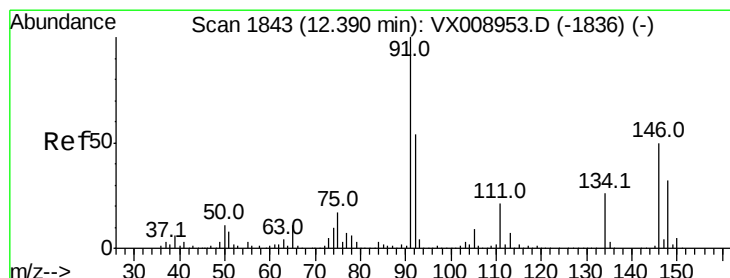
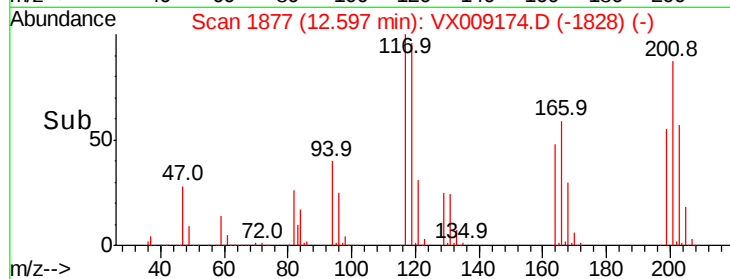
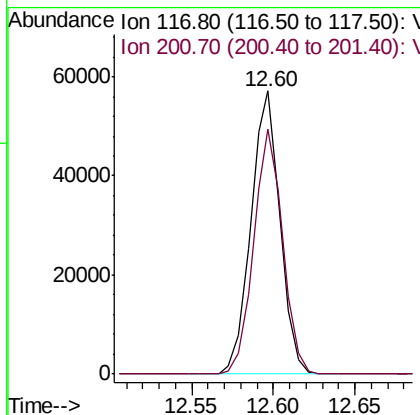
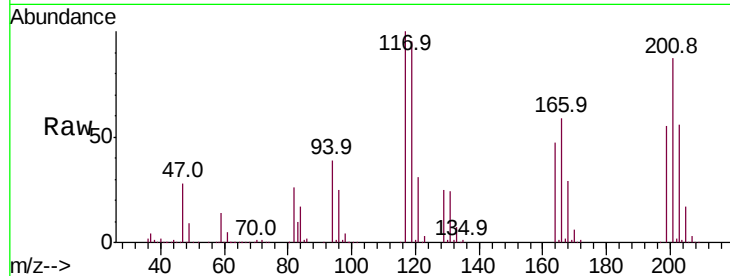
#90
Hexachloroethane
Concen: 47.311 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009174.D
Acq: 25 Apr 2019 19:50

Instrument :
MSVOA_X
ClientSampleId :
HW-7MS

Tot Ion:117 Resp: 70781
Ion Ratio Lower Upper
117 100
201 85.8 43.0 129.0

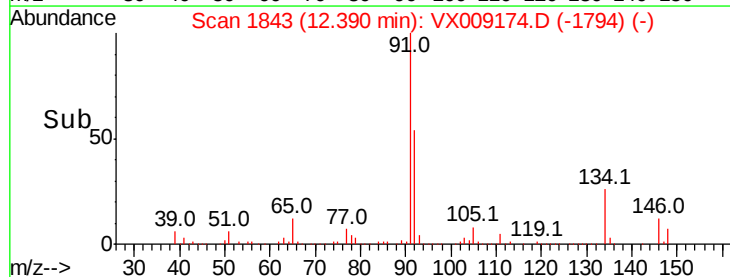
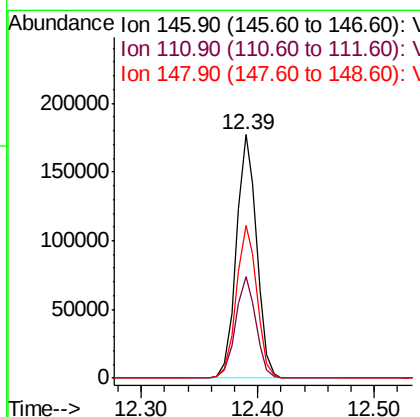
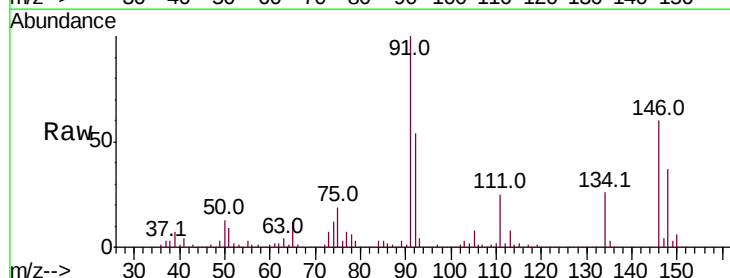
Manual Integrations
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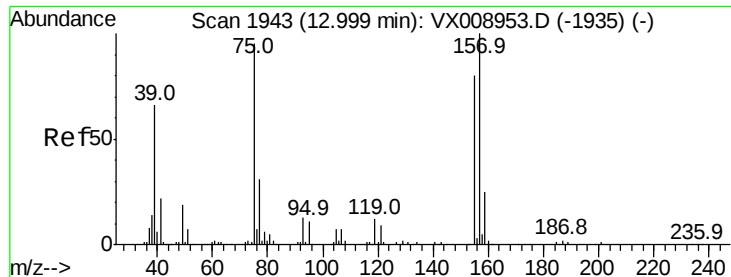
MMdadoda
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#91
1,2-Dichlorobenzene
Concen: 48.022 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX009174.D
Acq: 25 Apr 2019 19:50

Tgt Ion:146 Resp: 214984
Ion Ratio Lower Upper
146 100
111 41.6 20.6 61.9
148 63.9 32.0 96.2





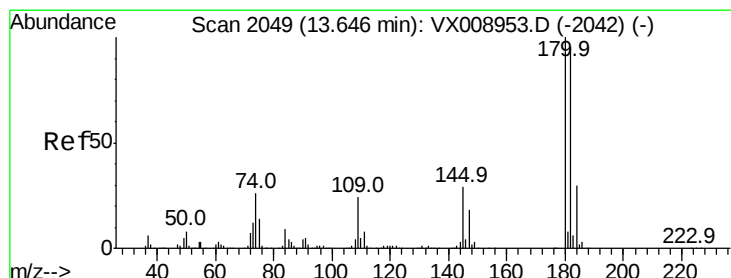
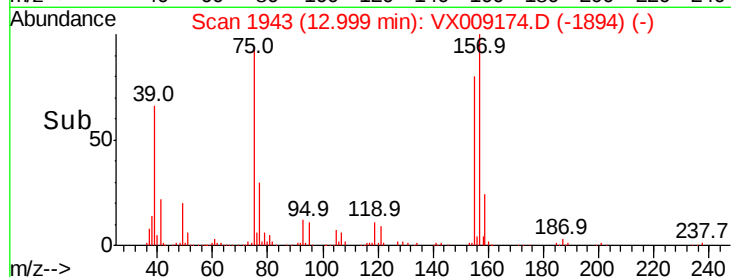
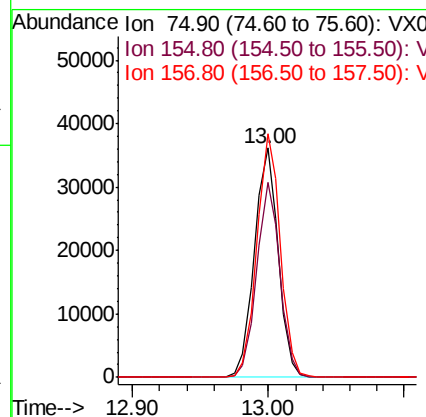
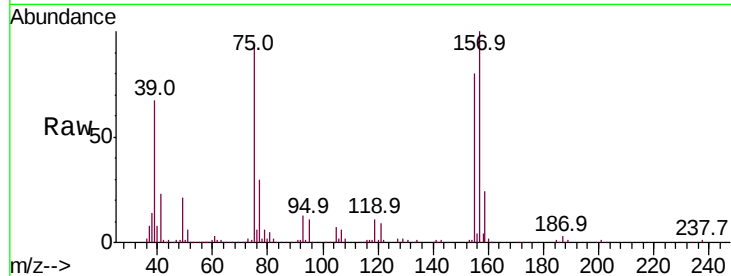
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.247 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009174.D
 Acq: 25 Apr 2019 19:50

Instrument :
 MSVOA_X
 ClientSampled :
 HW-7MS

Tot Ion: 75 Resp: 44623
 Ion Ratio Lower Upper
 75 100
 155 82.7 41.2 123.6
 157 104.2 52.5 157.6

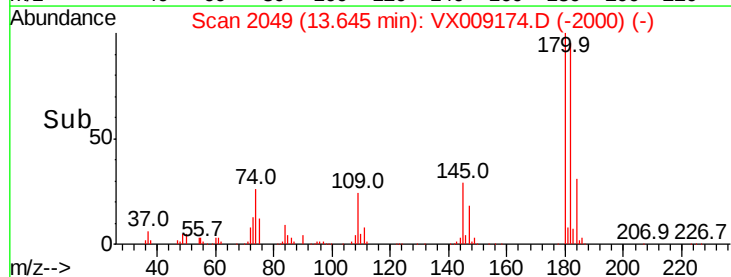
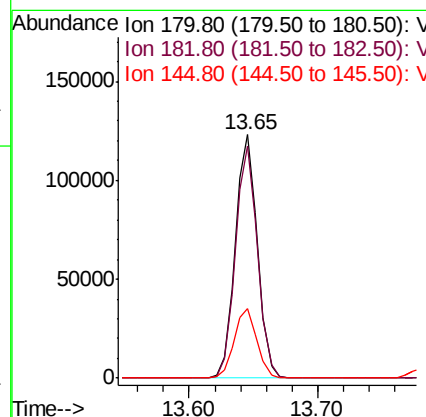
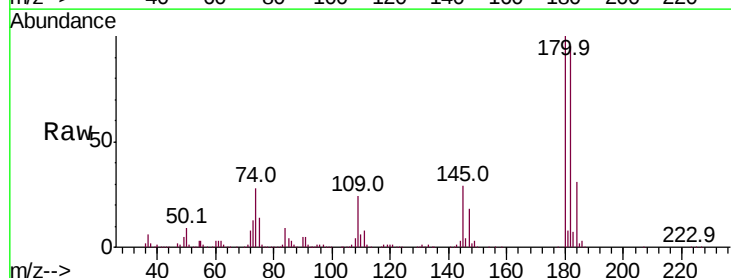
Manual Integrations
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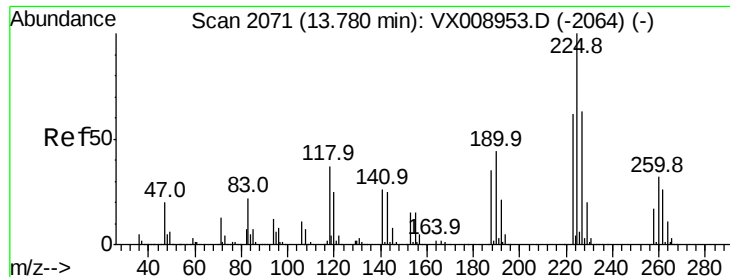
MMDadoda
 4/26/2019 10:05:36 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 45.697 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009174.D
 Acq: 25 Apr 2019 19:50

Tgt Ion:180 Resp: 147678
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.6 142.9
 145 29.3 14.8 44.4





#94

Hexachlorobutadiene

Concen: 44.091 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX009174.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_X

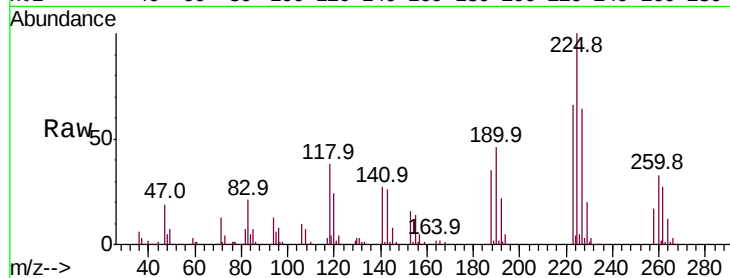
ClientSampleId :

HW-7MS

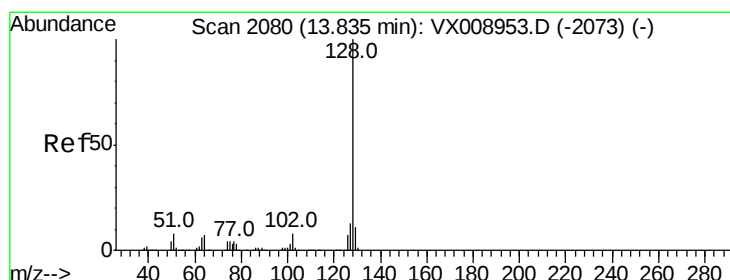
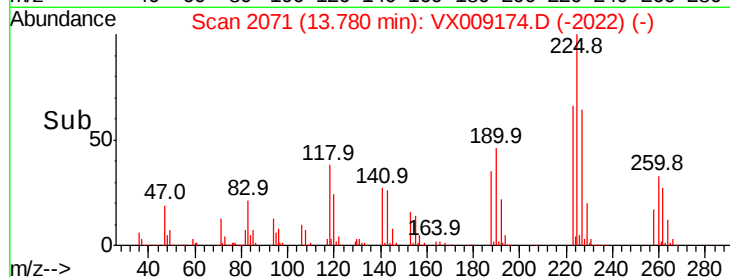
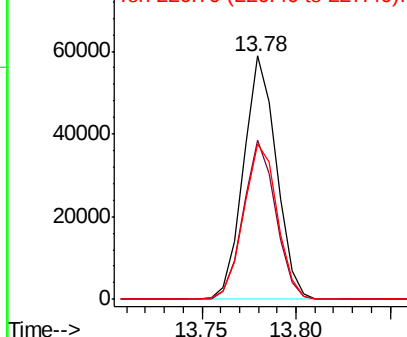
Tot Ion:	225	Resp:	71066
Ion Ratio	Lower	Upper	
225	100		
223	64.3	31.1	93.2
227	65.5	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
4/26/2019 10:05:36 AM



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 48.998 ug/l

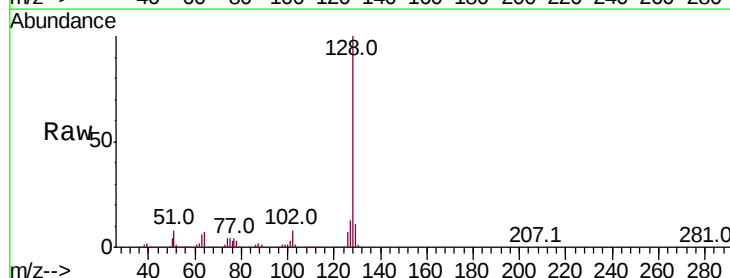
RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

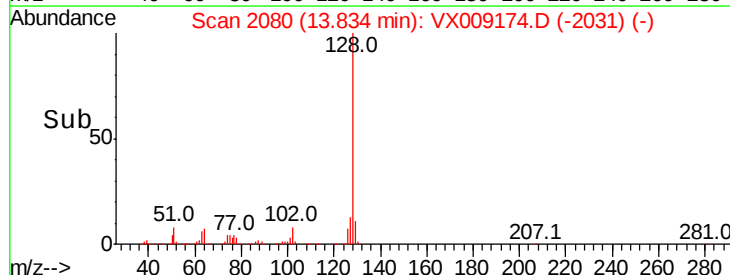
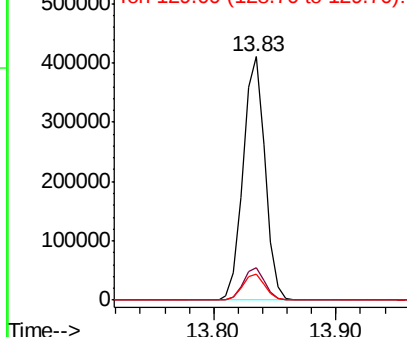
Lab File: VX009174.D

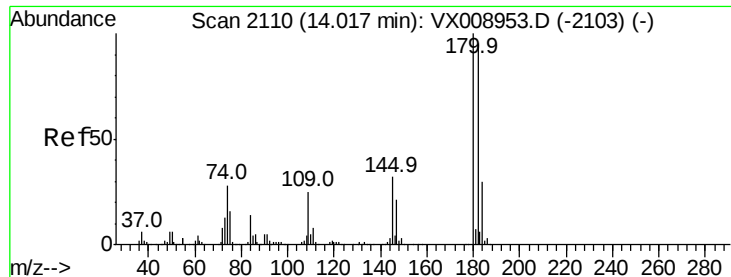
Acq: 25 Apr 2019 19:50

Tgt Ion:	128	Resp:	507313
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	10.9	8.6	13.0



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





#96
 1,2,3-Trichlorobenzene
 Concen: 47.239 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX009174.D
 Acq: 25 Apr 2019 19:50

Instrument :
 MSVOA_X
 ClientSampleId :
 HW-7MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.3	47.8	143.4	
145	30.9	15.8	47.3	

Manual Integrations
 APPROVED

MMDadoda
 4/26/2019 10:05:36 AM

