

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061618\
 Data File : VX002673.D
 Acq On : 17 Jun 2018 02:56
 Operator : JC/MD
 Sample : J3509-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-061318MS

Manual Integrations
 APPROVED

MMDadoda
 6/19/2018 1:04:54 PM

Quant Time: Jun 18 04:26:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	199697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	290020	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	279716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	175220	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	149028	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
35) Dibromofluoromethane	5.51	113	119201	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
50) Toluene-d8	8.72	98	439074	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
62) 4-Bromofluorobenzene	11.14	95	164866	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	98961	46.680	ug/l	97
3) Chloromethane	1.32	50	115015	45.607	ug/l	100
4) Vinyl Chloride	1.41	62	128342	49.043	ug/l	99
5) Bromomethane	1.64	94	68143	43.156	ug/l	97
6) Chloroethane	1.73	64	86740	50.289	ug/l	98
7) Trichlorofluoromethane	1.93	101	218956	51.499	ug/l	98
8) Diethyl Ether	2.19	74	79298	49.037	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	118852	50.010	ug/l	99
10) Methyl Iodide	2.51	142	124338	39.932	ug/l	98
11) Tert butyl alcohol	3.07	59	131146	209.050	ug/l	98
12) 1,1-Dichloroethene	2.38	96	110744	49.631	ug/l	94
13) Acrolein	2.30	56	58008	198.688	ug/l	99
14) Allyl chloride	2.73	41	210561	47.526	ug/l	98
15) Acrylonitrile	3.15	53	334329	244.222	ug/l	99
16) Acetone	2.45	43	307054	229.342	ug/l	99
17) Carbon Disulfide	2.57	76	274003	51.775	ug/l	98
18) Methyl Acetate	2.78	43	163033	45.708	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	413050	49.345	ug/l	99
20) Methylene Chloride	2.86	84	126200	45.972	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	120482	49.772	ug/l	96
22) Diisopropyl ether	3.87	45	395036	49.283	ug/l	94
23) Vinyl Acetate	3.83	43	1517855	226.249	ug/l	99
24) 1,1-Dichloroethane	3.70	63	227099	52.201	ug/l	99
25) 2-Butanone	4.71	43	431081	245.174	ug/l	100
26) 2,2-Dichloropropane	4.59	77	117475	37.580	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	126121	51.206	ug/l	91
28) Bromochloromethane	5.03	49	109400	53.696	ug/l	98
29) Tetrahydrofuran	5.17	42	284846	247.191	ug/l	97
30) Chloroform	5.22	83	222572	53.054	ug/l	97
31) Cyclohexane	5.58	56	176898	49.386	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	192403	54.835	ug/l	99
36) 1,1-Dichloropropene	5.81	75	157355	51.086	ug/l	99
37) Ethyl Acetate	4.87	43	158834	45.559	ug/l	100
38) Carbon Tetrachloride	5.79	117	164959	53.782	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	175353	48.698	ug/l	98
40) Benzene	6.15	78	477417	51.691	ug/l	99
41) Methacrylonitrile	5.07	41	100499	51.055	ug/l	98
42) 1,2-Dichloroethane	6.20	62	186288	52.097	ug/l	100
43) Isopropyl Acetate	6.47	43	272423	47.163	ug/l	99
44) Trichloroethene	7.22	130	134838	50.581	ug/l	98
45) 1,2-Dichloropropane	7.52	63	126314	51.965	ug/l	99
46) Dibromomethane	7.67	93	88003	54.123	ug/l	99
47) Bromodichloromethane	7.90	83	160200	55.861	ug/l	99
48) Methyl methacrylate	7.78	41	149489	50.644	ug/l	97
49) 1,4-Dioxane	7.76	88	48020	859.052	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	950063	256.168	ug/l	100
52) Toluene	8.79	92	305674	51.883	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	177013	46.790	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	165100	45.873	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	127398	53.515	ug/l	98
56) Ethyl methacrylate	9.19	69	190729	52.061	ug/l	98
57) 1,3-Dichloropropane	9.38	76	207414	51.514	ug/l	100
59) 2-Hexanone	9.50	43	714470	255.653	ug/l	99
60) Dibromochloromethane	9.59	129	133604	49.899	ug/l	99
61) 1,2-Dibromoethane	9.68	107	133565	54.173	ug/l	100
64) Tetrachloroethene	9.34	164	139213	44.836	ug/l	98
65) Chlorobenzene	10.14	112	353859	51.512	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	130080	55.544	ug/l	99
67) Ethyl Benzene	10.26	91	587949	50.744	ug/l	100
68) m/p-Xylenes	10.36	106	462118	103.395	ug/l	98
69) o-Xylene	10.70	106	223537	50.905	ug/l	98
70) Stvrene	10.71	104	377273	52.242	ug/l	99
71) Bromoform	10.86	173	100137	47.260	ug/l #	100
73) Isopropylbenzene	11.02	105	600320	51.227	ug/l	100
74) N-amyl acetate	6.47	43	272423	46.788	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	190192	54.958	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	181414m	54.868	ug/l	
77) Bromobenzene	11.26	156	172547	52.851	ug/l	96
78) n-propylbenzene	11.37	91	680828	50.658	ug/l	100
79) 2-Chlorotoluene	11.43	91	403952	50.341	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	497680	50.252	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	43790	43.016	ug/l	95
82) 4-Chlorotoluene	11.51	91	484475	51.168	ug/l	99
83) tert-Butylbenzene	11.77	119	499769	52.383	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	518643	51.322	ug/l	98
85) sec-Butylbenzene	11.95	105	604873	50.987	ug/l	100
86) p-Isopropyltoluene	12.07	119	546896	50.950	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	305102	50.958	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	309130	50.743	ug/l	99
89) n-Butylbenzene	12.39	91	474365	50.096	ug/l	99
90) Hexachloroethane	12.60	117	78331	46.982	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	311121	51.629	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	40998	56.558	ug/l	96
93) 1,2,4-Trichlorobenzene	13.65	180	224762	51.392	ug/l	99

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QLast Update : Sat Jun 16 01:37:33 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	108885	47.262	ug/l	99
95) Naphthalene	13.84	128	634993	53.956	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	226500	51.565	ug/l	98

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

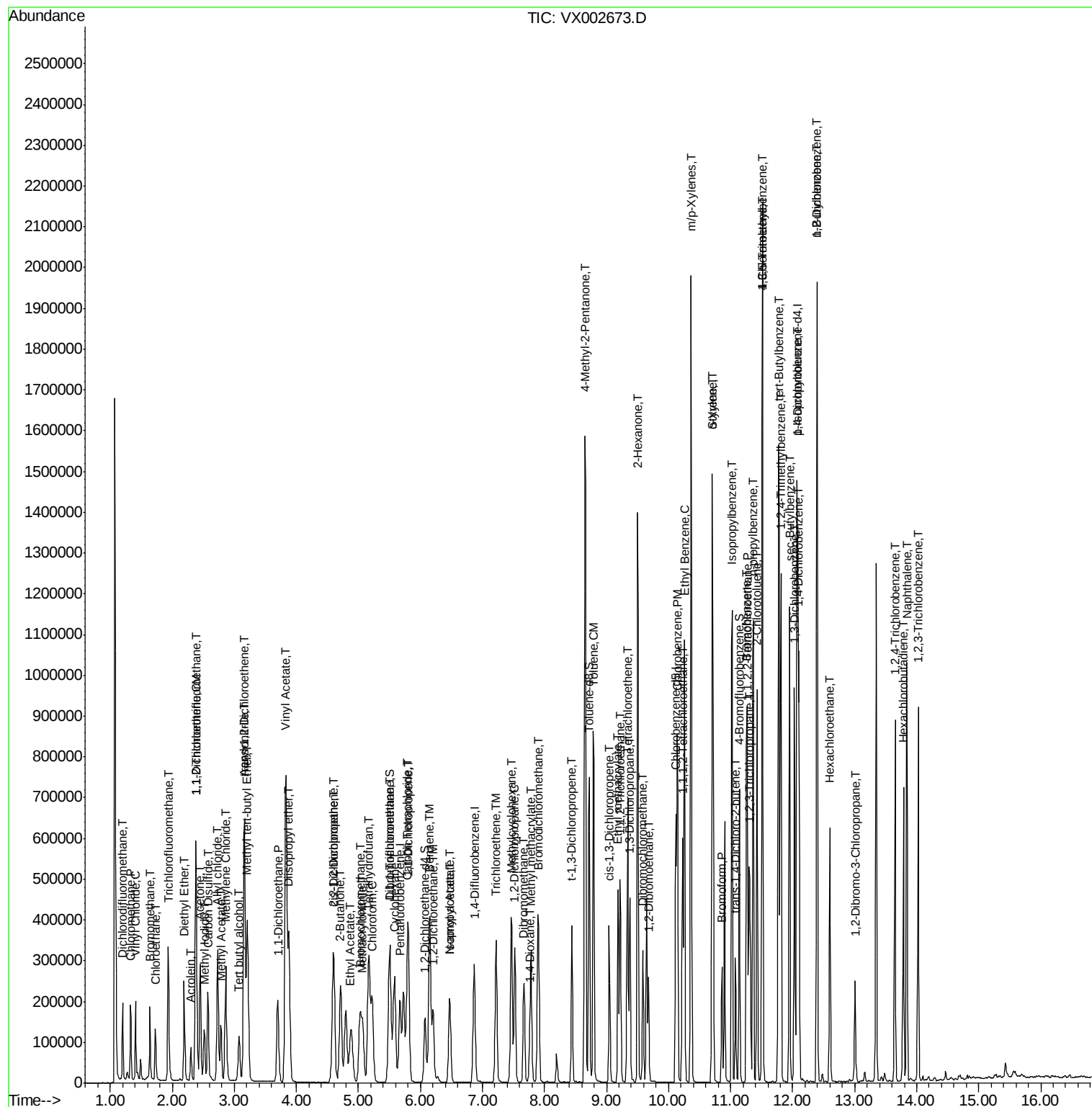
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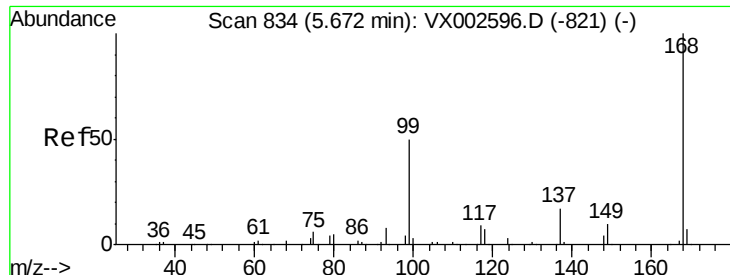
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MS

Tot Ion:168 Resp: 199697

Ion Ratio Lower Upper

168 100

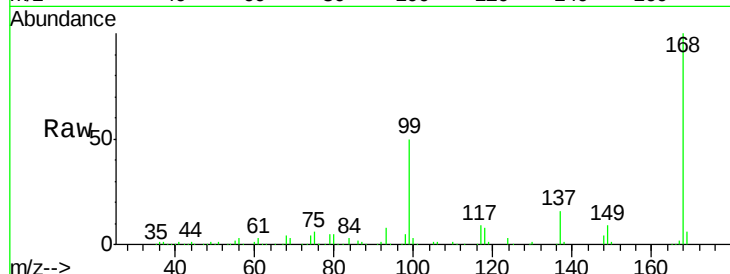
99 49.9 39.3 58.9

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

80000

60000

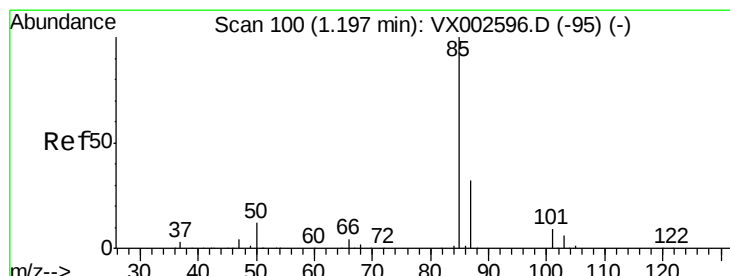
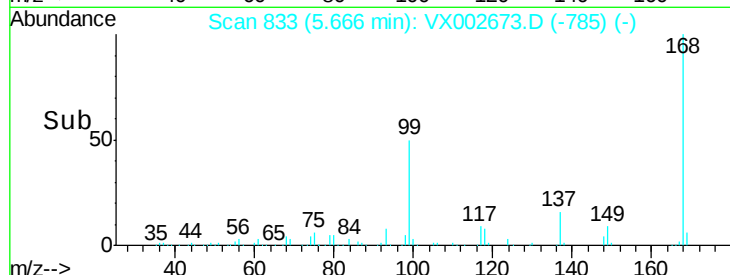
40000

20000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.680 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002673.D

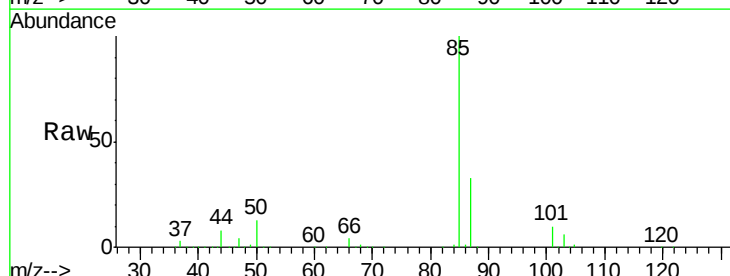
Acq: 17 Jun 2018 02:56

Tgt Ion: 85 Resp: 98961

Ion Ratio Lower Upper

85 100

87 33.4 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

120000

100000

80000

60000

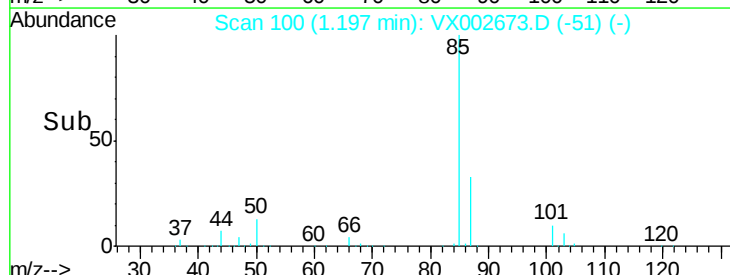
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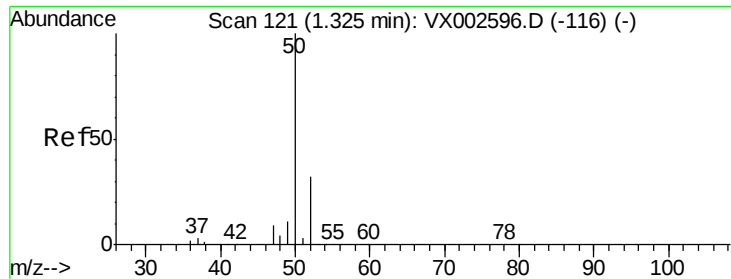
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0

1.10 1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 45.607 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MS

Tot Ion: 50 Resp: 115015

Ion Ratio Lower Upper

50 100

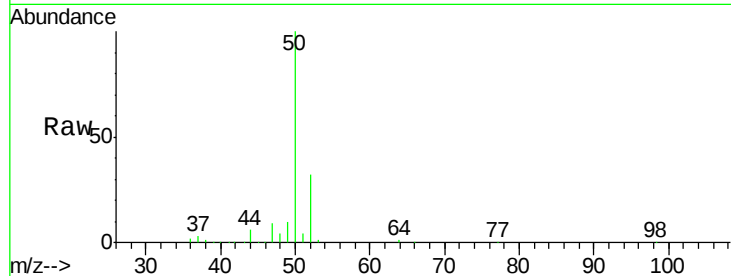
52 32.1 25.7 38.5

Manual Integrations

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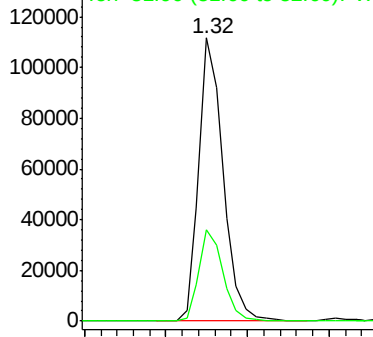
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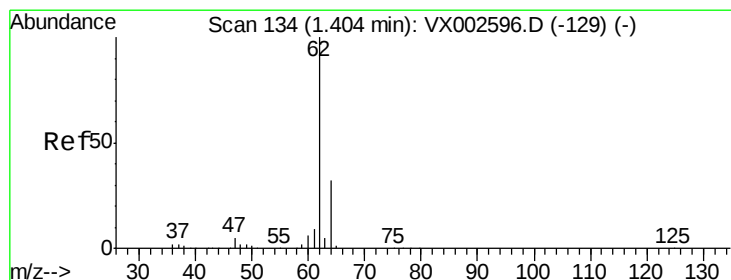
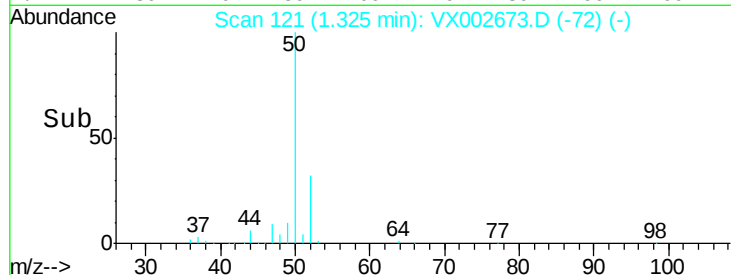


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 49.043 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002673.D

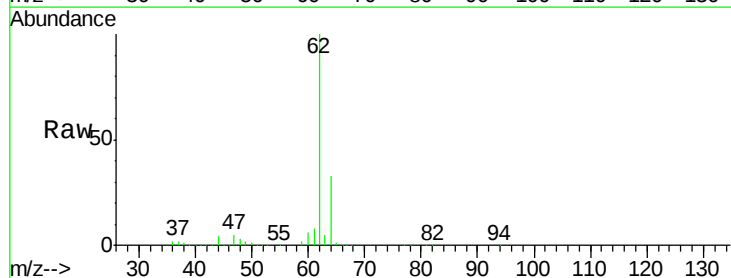
Acq: 17 Jun 2018 02:56

Tgt Ion: 62 Resp: 128342

Ion Ratio Lower Upper

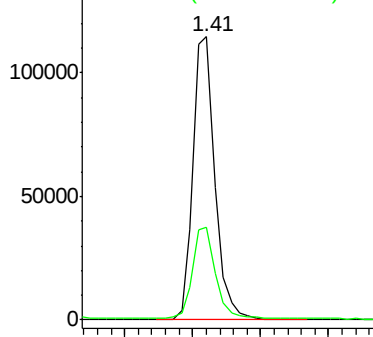
62 100

64 32.3 25.4 38.2

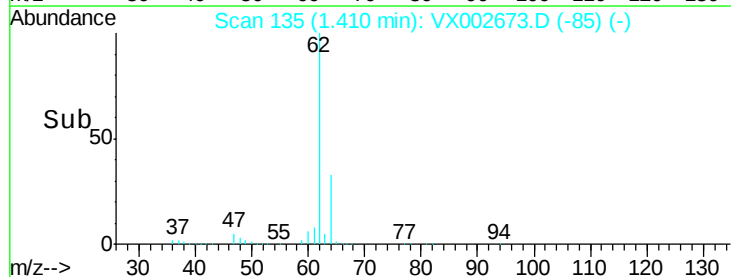


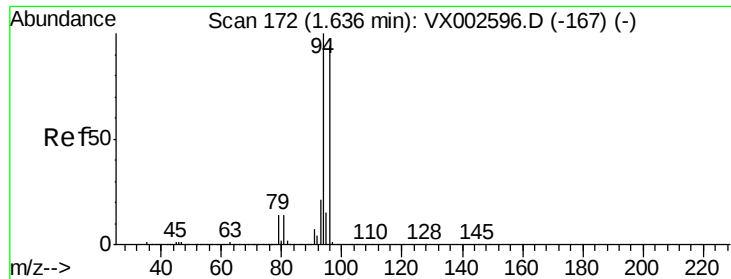
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 43.156 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

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Tot Ion: 94 Resp: 68143

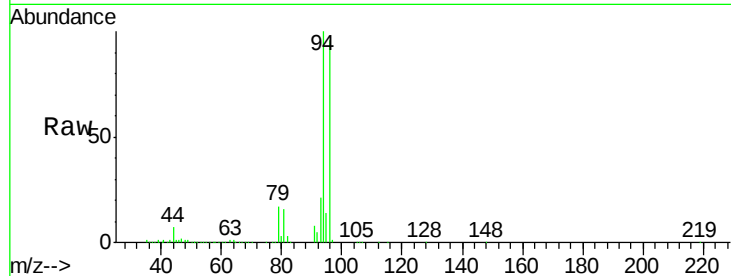
Ion Ratio Lower Upper

94 100

96 96.4 74.9 112.3

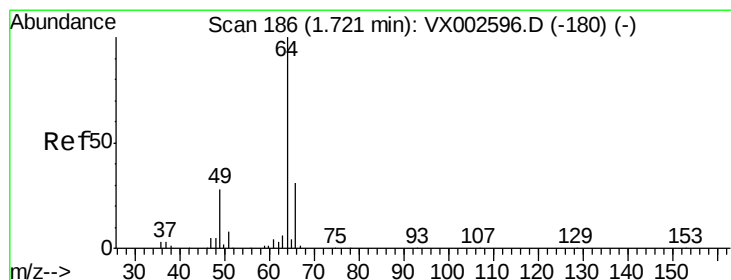
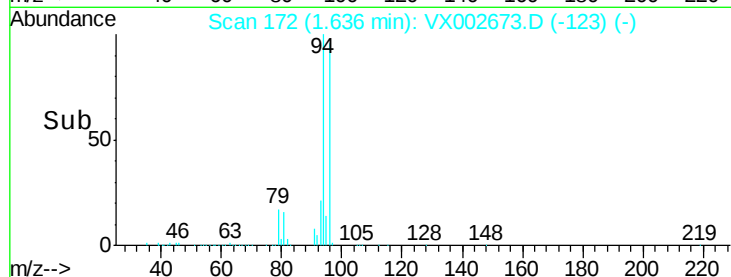
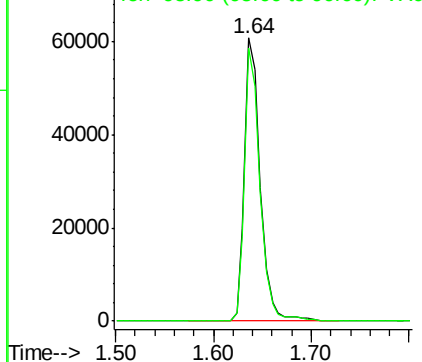
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 50.289 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002673.D

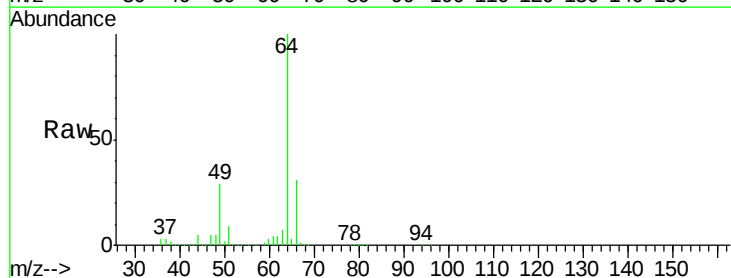
Acq: 17 Jun 2018 02:56

Tgt Ion: 64 Resp: 86740

Ion Ratio Lower Upper

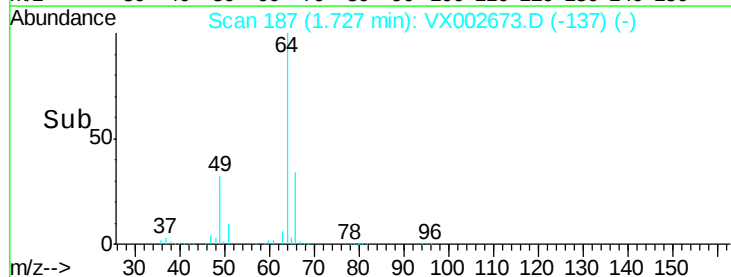
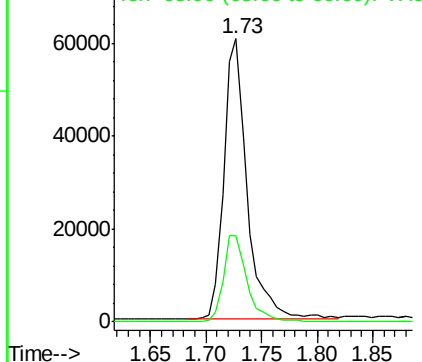
64 100

66 30.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

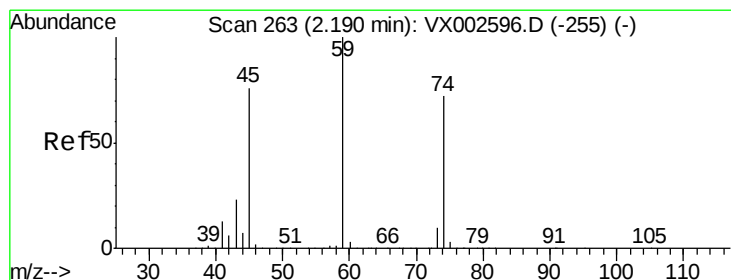
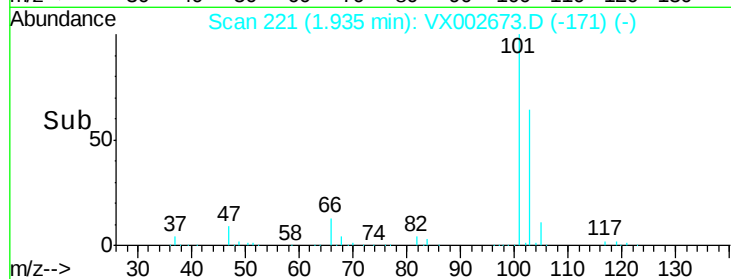
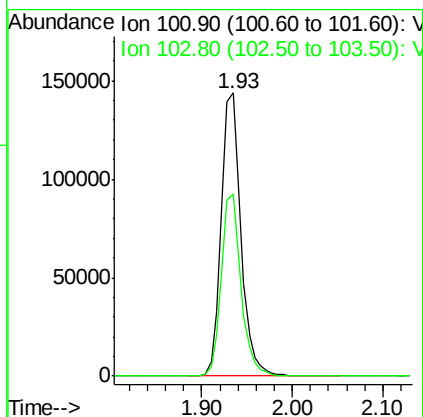
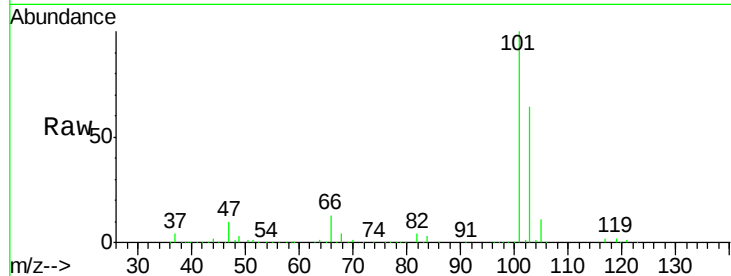
Trichlorofluoromethane
 Concen: 51.499 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VX002673.D
 Acq: 17 Jun 2018 02:56

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	218956		
103	64.5	52.8	79.2	

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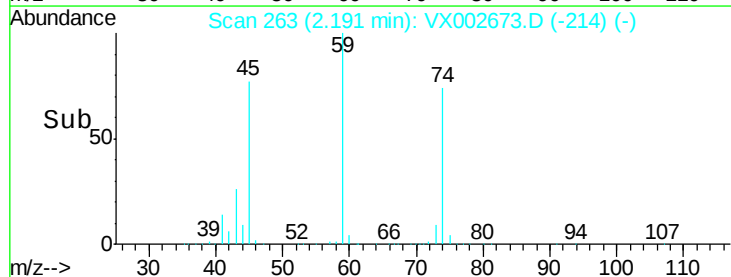
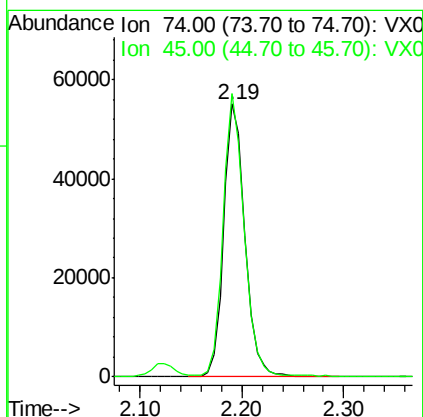
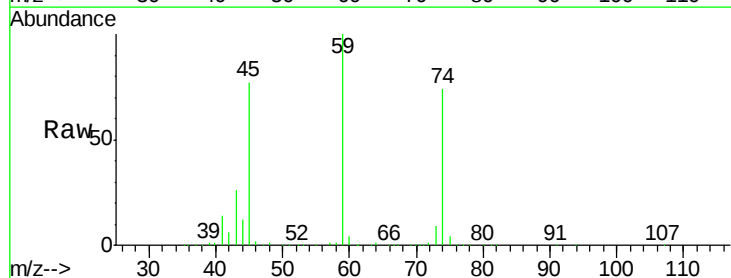
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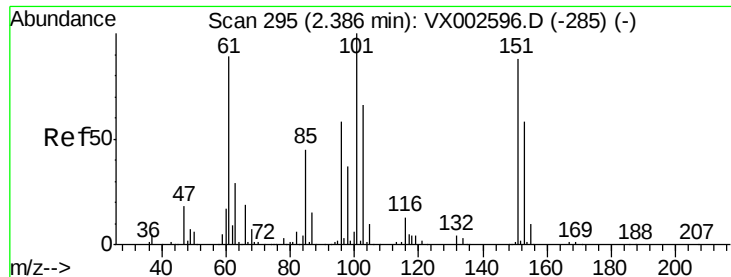


#8

Diethyl Ether
 Concen: 49.037 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX002673.D
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Tgt Ion	Ratio	Resp	Lower	Upper
74	100	79298		
45	102.8	53.1	159.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.010 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

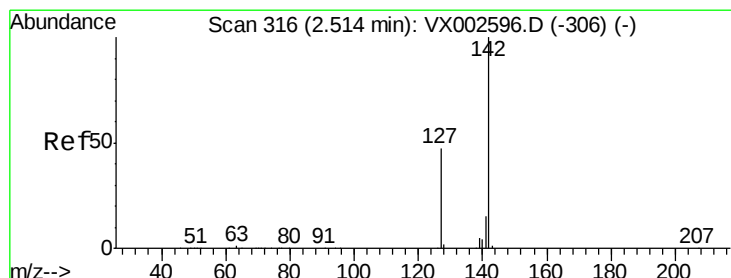
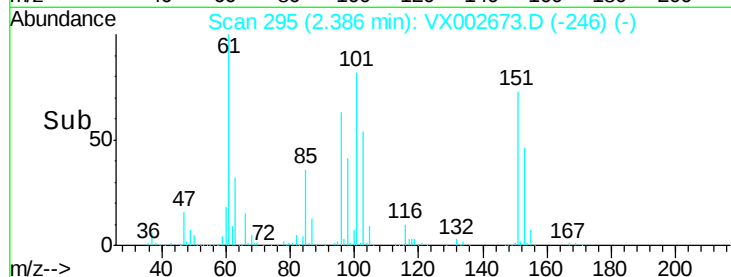
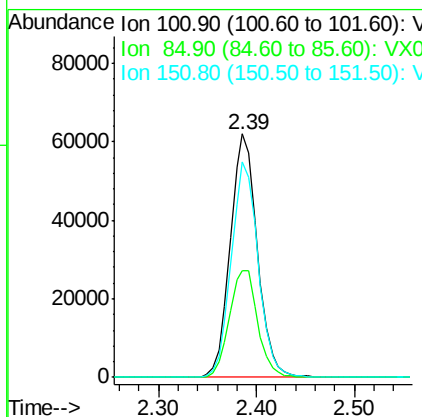
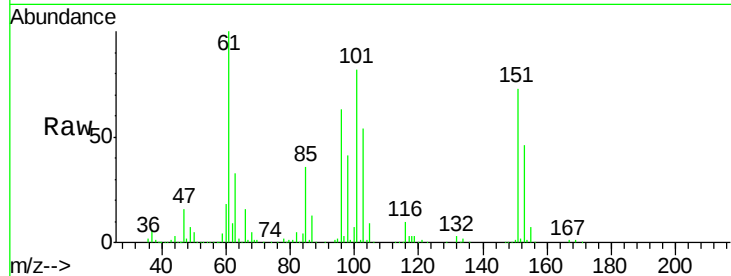
ClientSampleId :

MWHR2-6-061318MS

Tot Ion:	101	Resp:	118852
Ion Ratio	Lower	Upper	
101	100		
85	46.0	36.0	54.0
151	88.2	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 39.932 ug/l

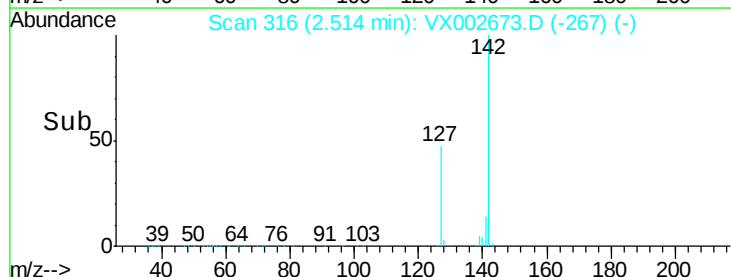
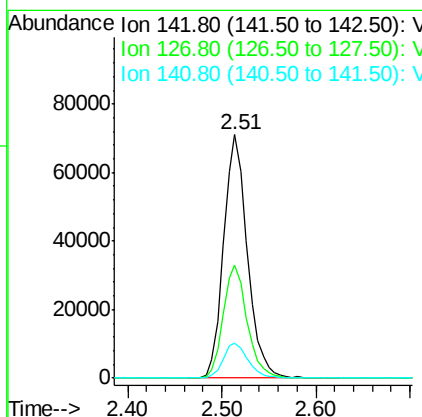
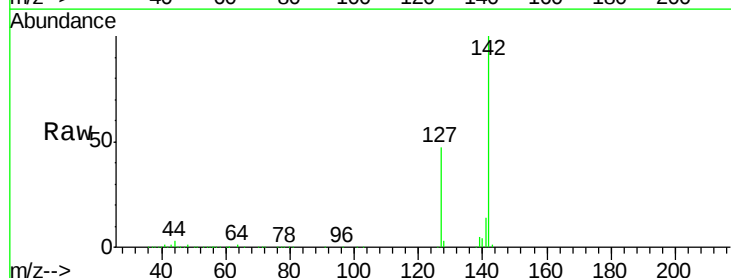
RT: 2.51 min Scan# 316

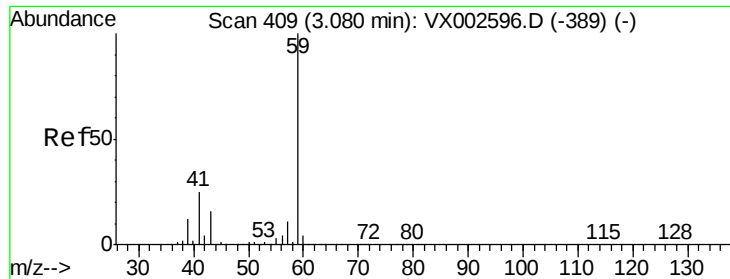
Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Tgt Ion:	142	Resp:	124338
Ion Ratio	Lower	Upper	
142	100		
127	47.0	36.6	55.0
141	14.8	11.3	16.9





#11

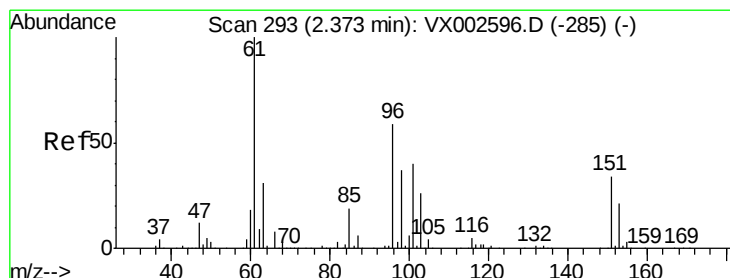
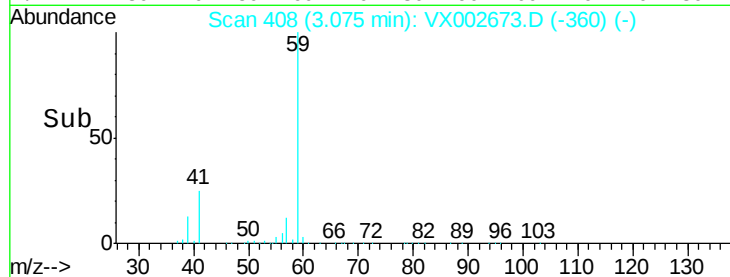
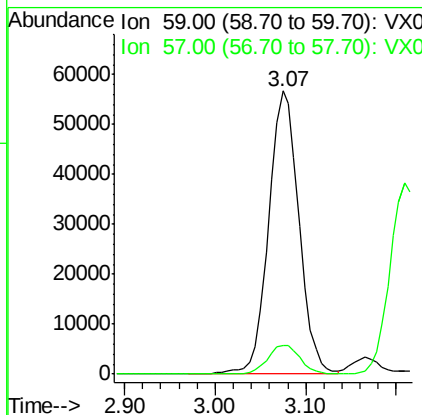
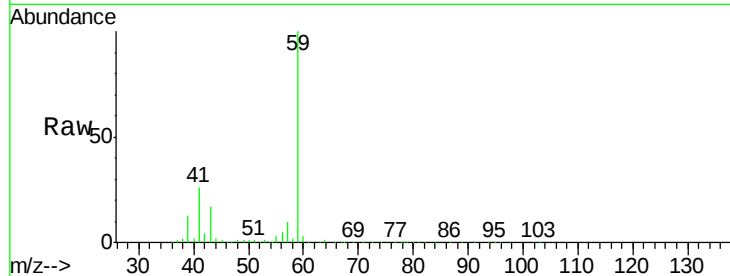
Tert butyl alcohol
Concen: 209.050 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MS

Tot Ion: 59 Resp: 131146
Ion Ratio Lower Upper
59 100
57 11.0 8.2 12.2

Manual Integrations
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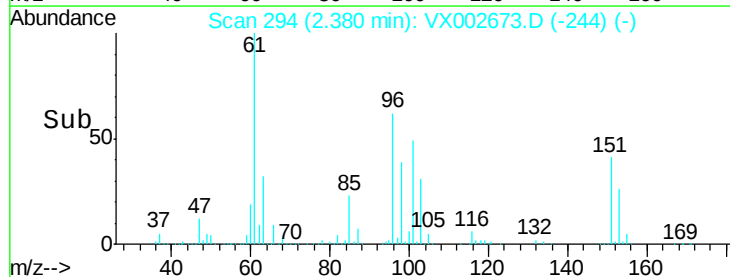
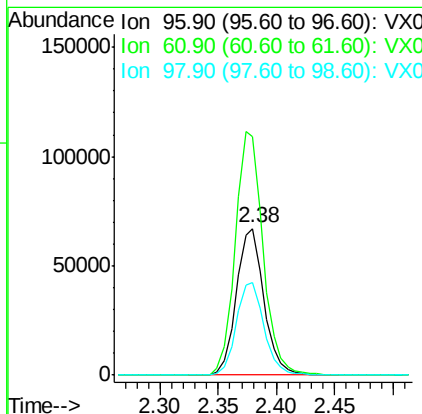
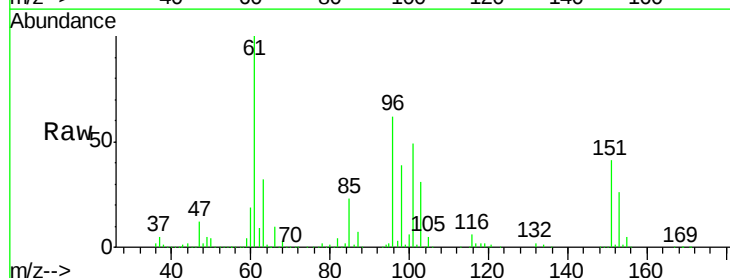
MMDadoda
6/19/2018 1:04:54 PM

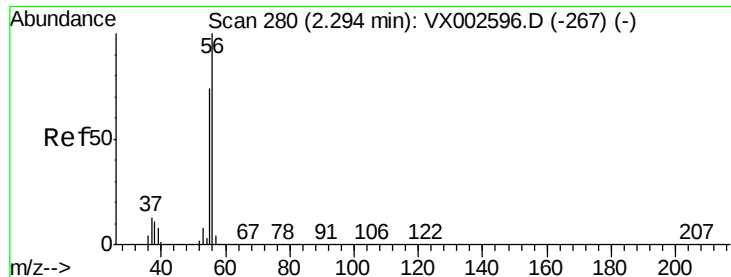


#12

1,1-Dichloroethene
Concen: 49.631 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.01 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Tgt Ion: 96 Resp: 110744
Ion Ratio Lower Upper
96 100
61 162.0 137.9 206.9
98 63.1 51.6 77.4





#13

Acrolein

Concen: 198.688 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MS

Tot Ion: 56 Resp: 58008

Ion Ratio Lower Upper

56 100

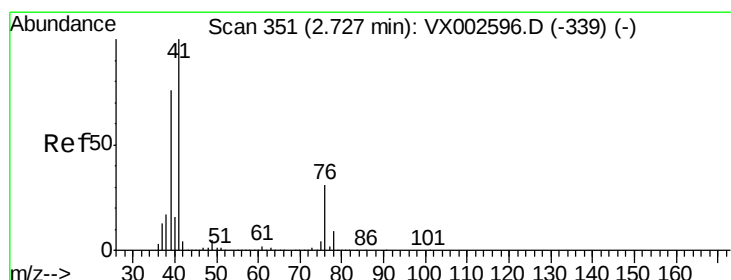
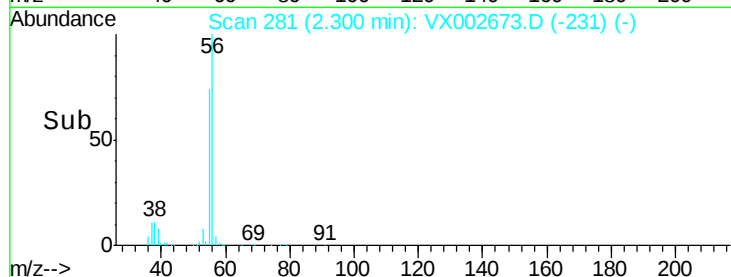
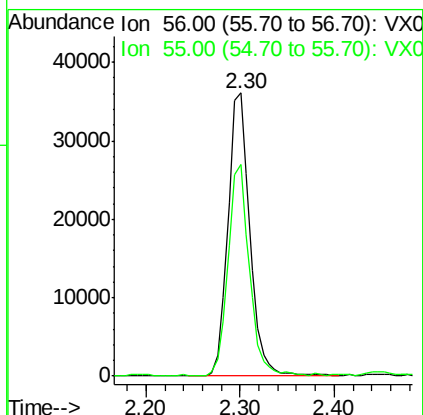
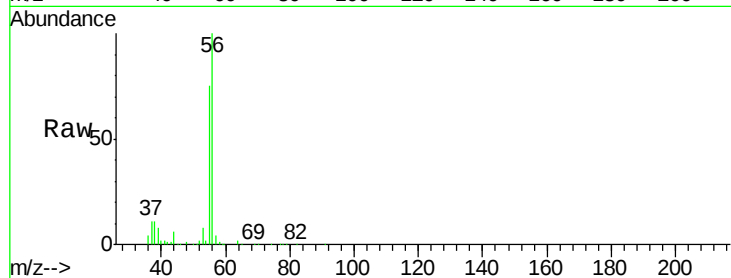
55 72.4 57.0 85.4

Manual Integrations

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MMDadoda

6/19/2018 1:04:54 PM



#14

Allyl chloride

Concen: 47.526 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

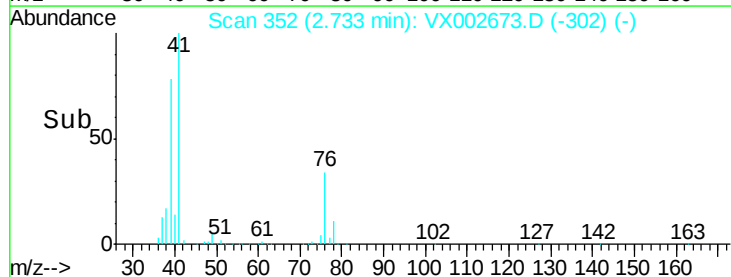
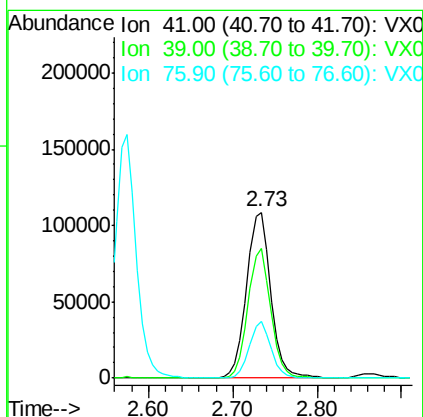
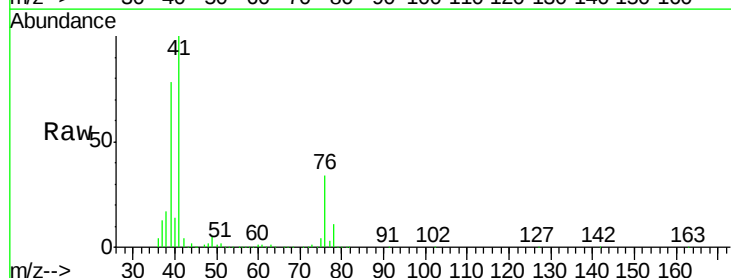
Tgt Ion: 41 Resp: 210561

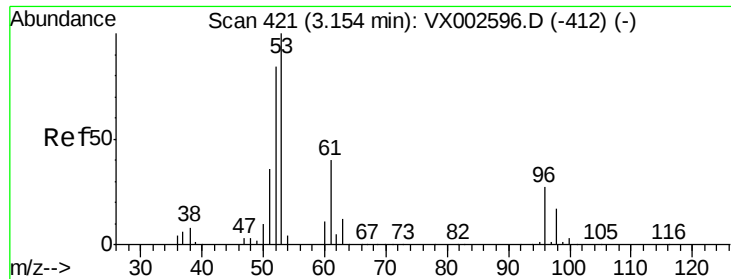
Ion Ratio Lower Upper

41 100

39 73.4 56.8 85.2

76 30.4 23.8 35.8





#15

Acrylonitrile

Concen: 244.222 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

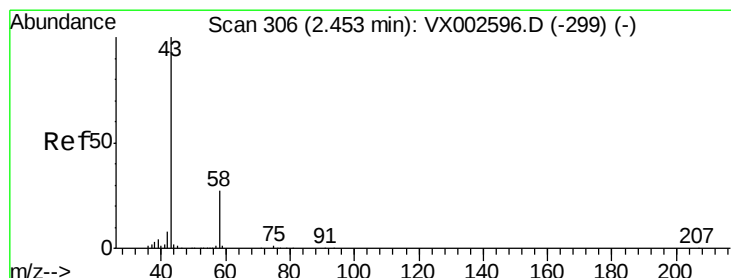
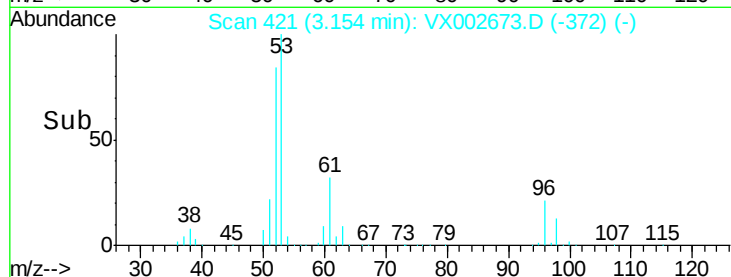
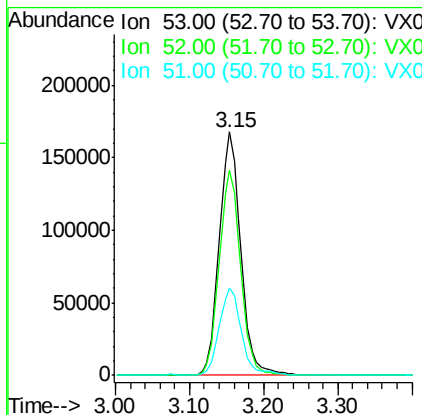
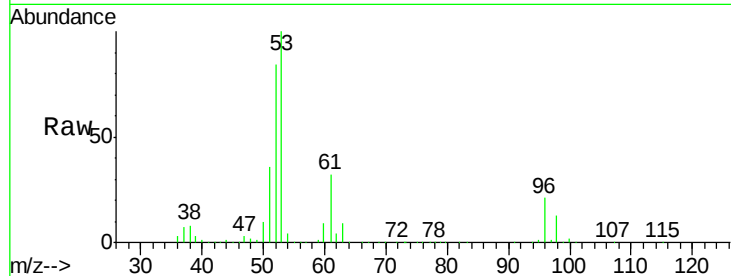
ClientSampleId :

MWHR2-6-061318MS

Tot Ion:	53	Resp:	334329
Ion	Ratio	Lower	Upper
53	100		
52	84.1	66.7	100.1
51	36.8	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 229.342 ug/l

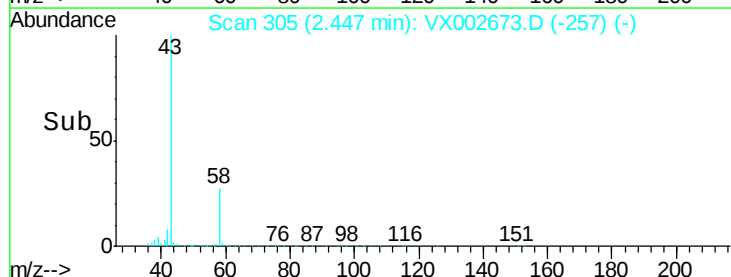
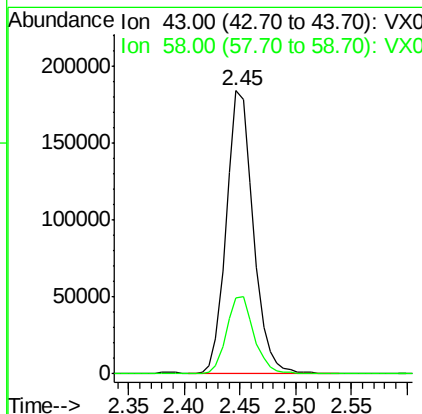
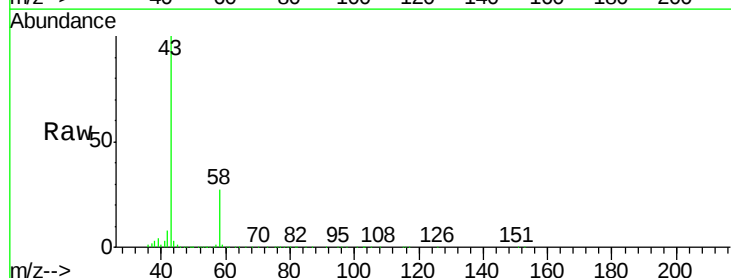
RT: 2.45 min Scan# 305

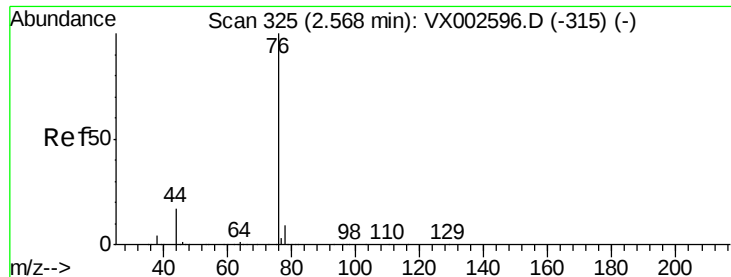
Delta R.T. -0.01 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Tgt Ion:	43	Resp:	307054
Ion	Ratio	Lower	Upper
43	100		
58	26.8	22.1	33.1





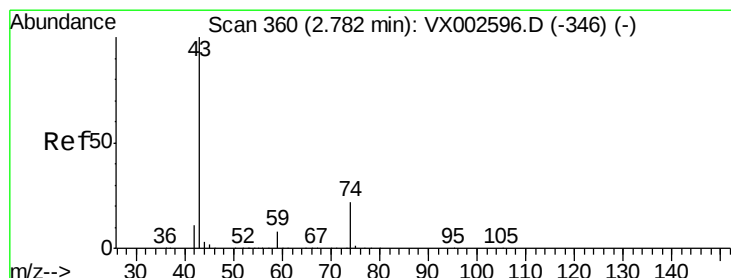
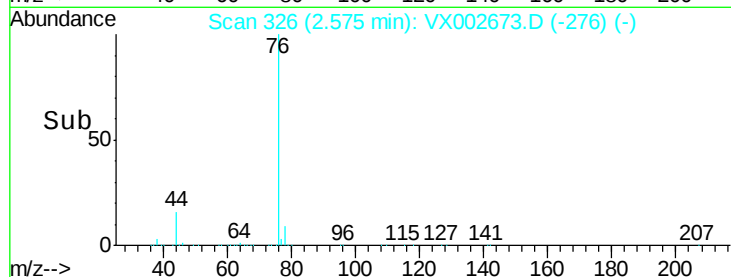
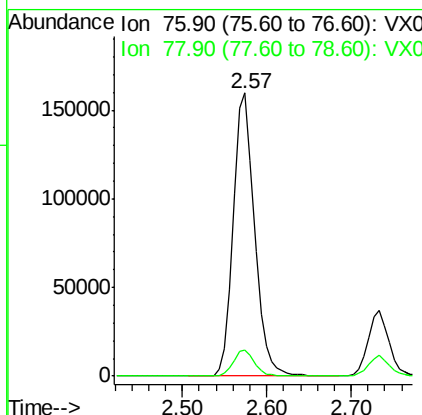
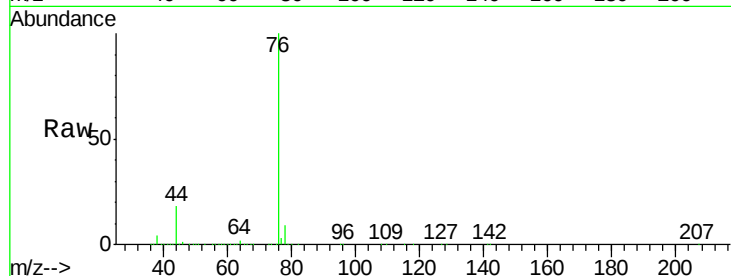
#17
Carbon Disulfide
Concen: 51.775 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.9	10.3

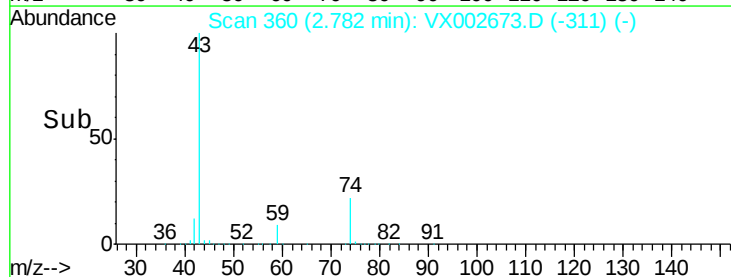
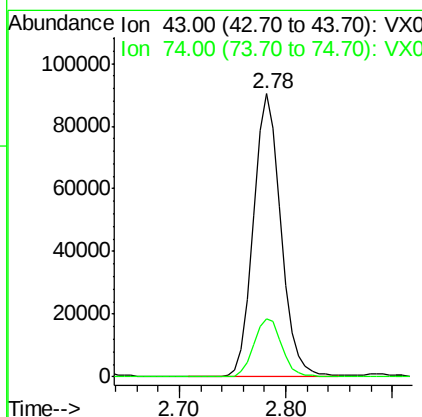
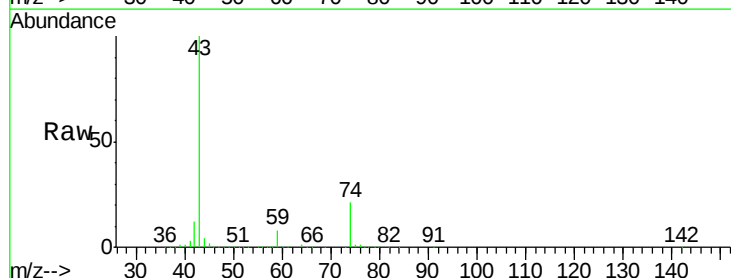
Manual Integrations
APPROVED

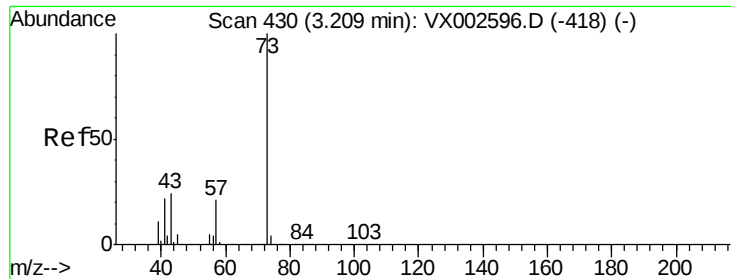
MMDadoda
6/19/2018 1:04:54 PM



#18
Methyl Acetate
Concen: 45.708 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	16.7	25.1





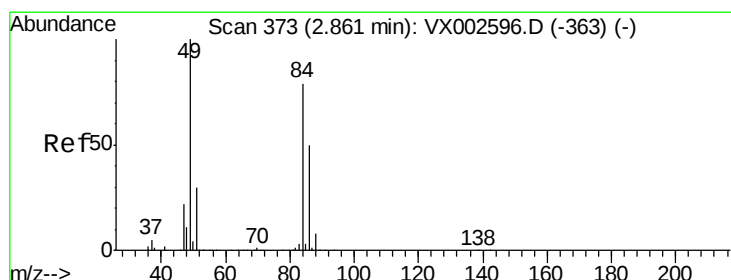
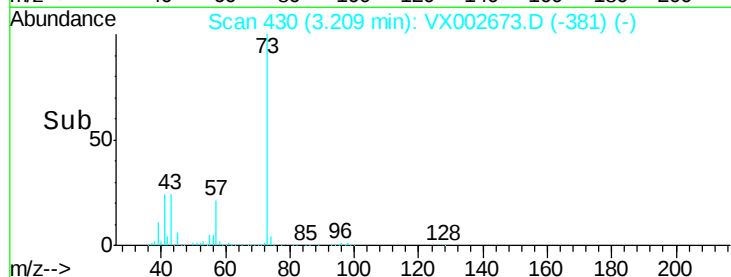
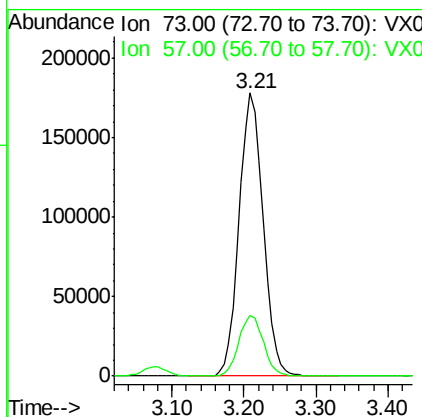
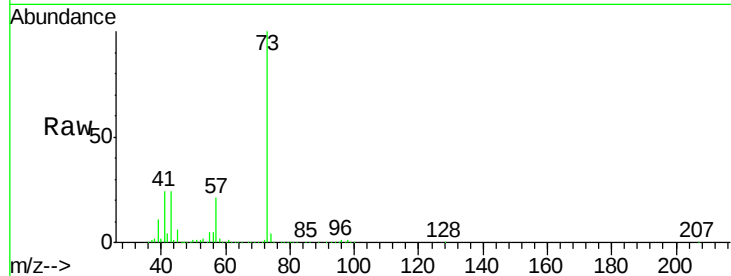
#19
Methvl tert-butvl Ether
Concen: 49.345 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MS

Tot Ion: 73 Resp: 413050
Ion Ratio Lower Upper
73 100
57 21.5 17.7 26.5

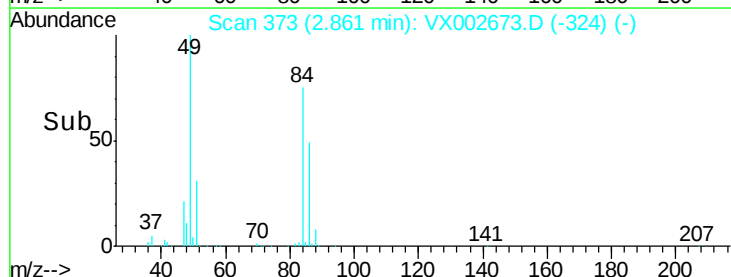
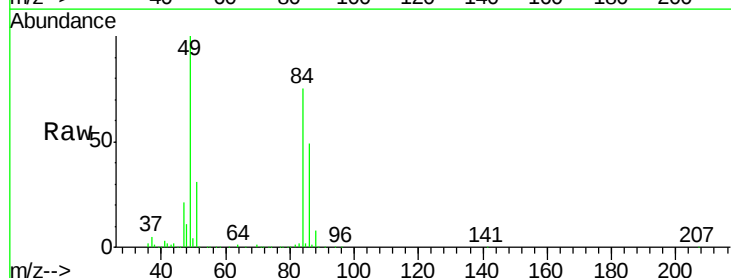
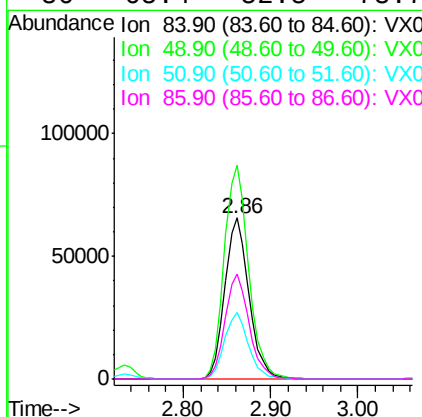
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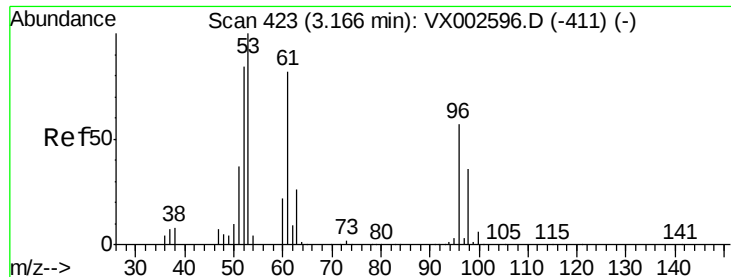
MMDadoda
6/19/2018 1:04:54 PM



#20
Methylene Chloride
Concen: 45.972 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Tgt Ion: 84 Resp: 126200
Ion Ratio Lower Upper
84 100
49 132.8 107.8 161.6
51 41.1 32.8 49.2
86 65.4 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 49.772 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

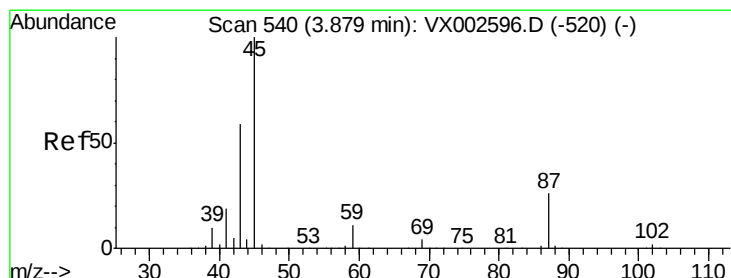
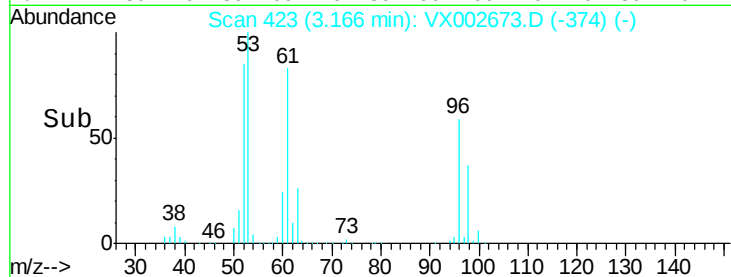
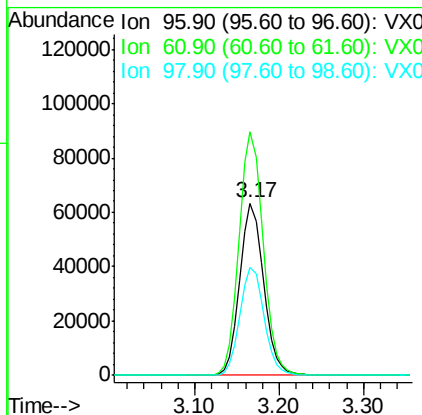
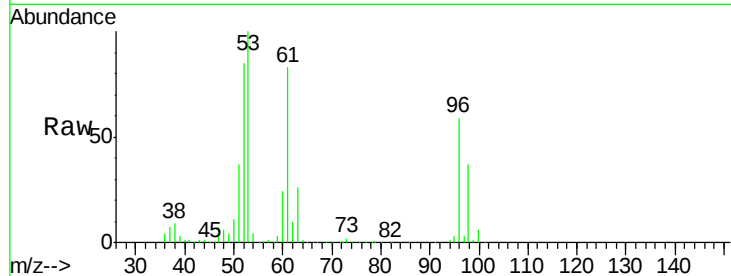
ClientSampleId :

MWHR2-6-061318MS

Tot Ion:	96	Resp:	120482
Ion	Ratio	Lower	Upper
96	100		
61	141.0	117.0	175.4
98	62.9	52.4	78.6

Manual Integrations
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6/19/2018 1:04:54 PM



#22

Diisopropyl ether

Concen: 49.283 ug/l

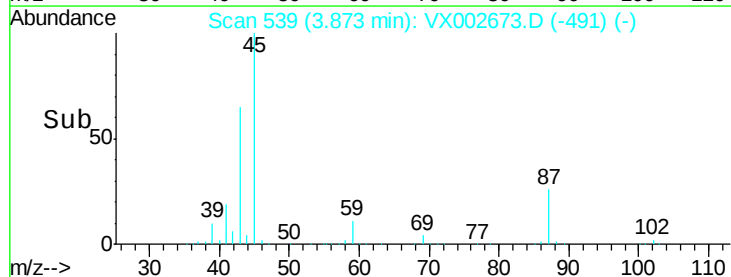
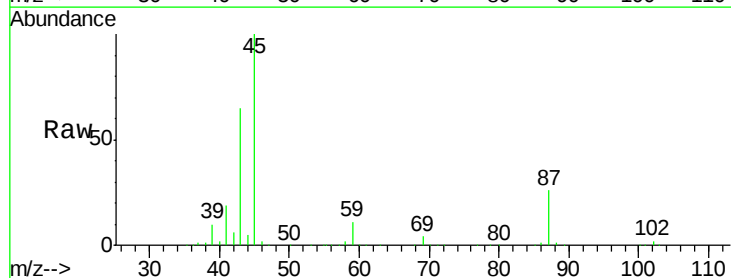
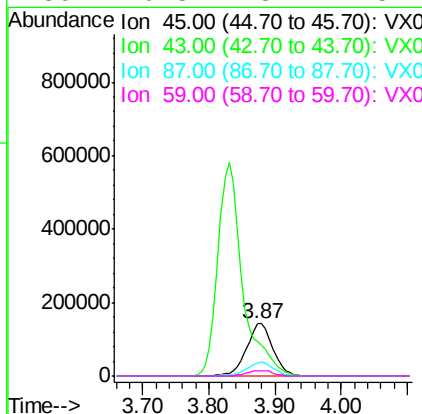
RT: 3.87 min Scan# 539

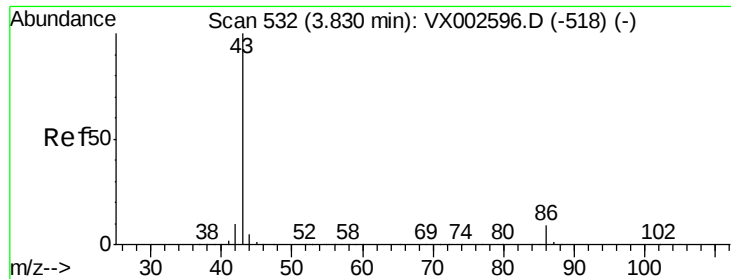
Delta R.T. -0.01 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Tgt Ion:	45	Resp:	395036
Ion	Ratio	Lower	Upper
45	100		
43	65.3	46.8	70.2
87	25.6	20.2	30.4
59	10.8	8.7	13.1





#23

Vinyl Acetate

Concen: 226.249 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MS

Tot Ion: 43 Resp: 1517855

Ion Ratio Lower Upper

43 100

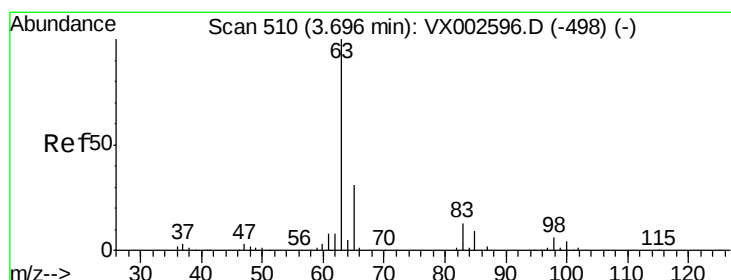
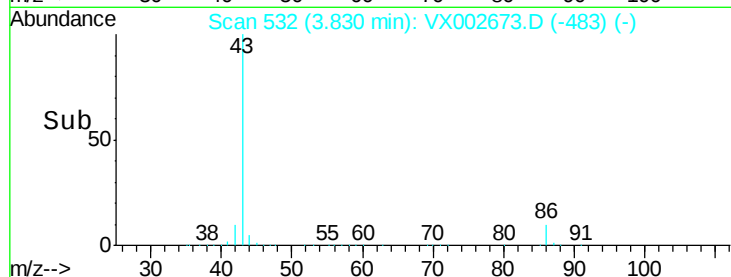
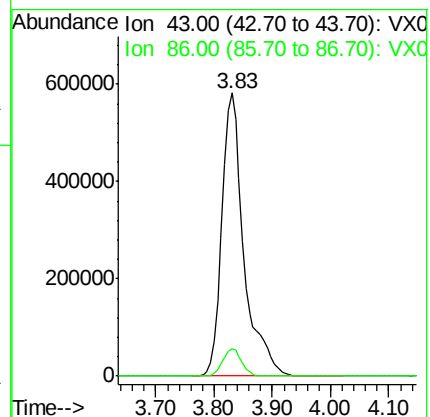
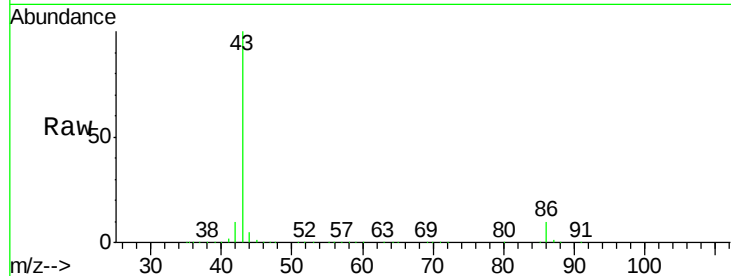
86 9.5 7.4 11.0

Manual Integrations

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MMDadoda

6/19/2018 1:04:54 PM



#24

1,1-Dichloroethane

Concen: 52.201 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

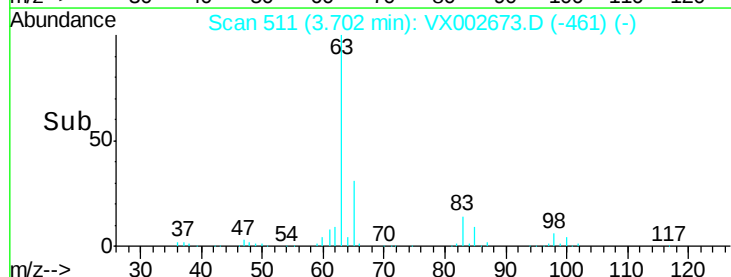
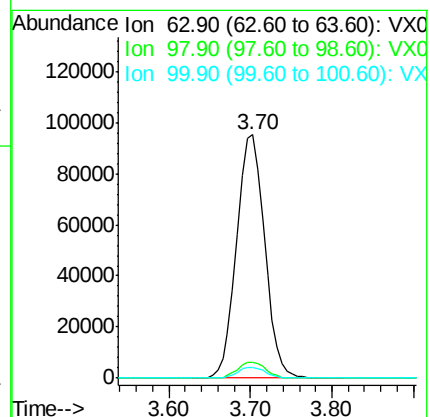
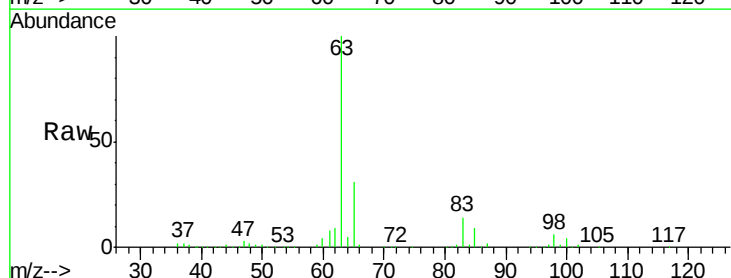
Tgt Ion: 63 Resp: 227099

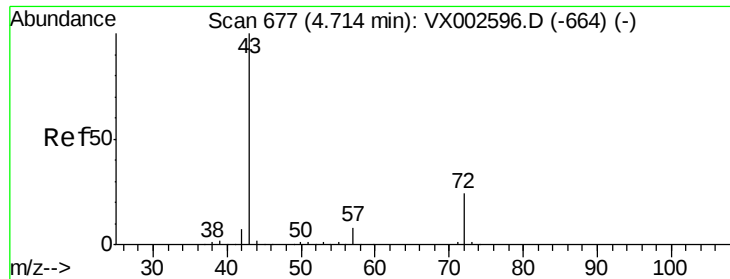
Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.2

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 245.174 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MS

Tot Ion: 43 Resp: 431081

Ion Ratio Lower Upper

43 100

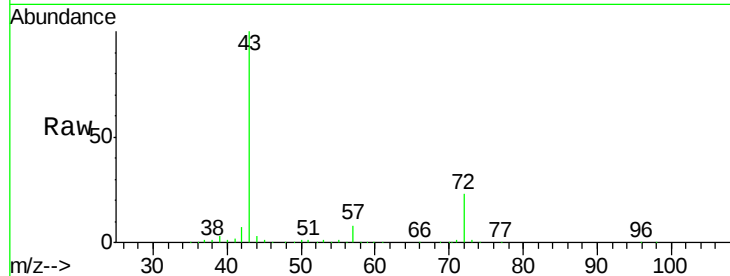
72 23.1 18.5 27.7

Manual Integrations

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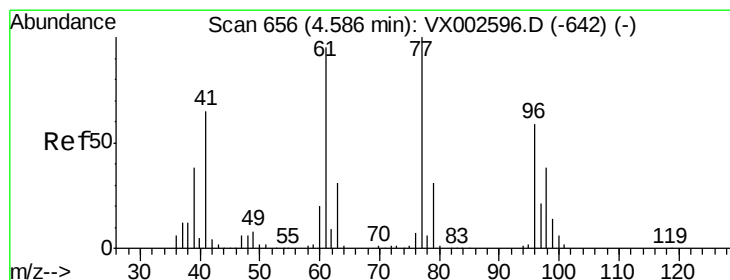
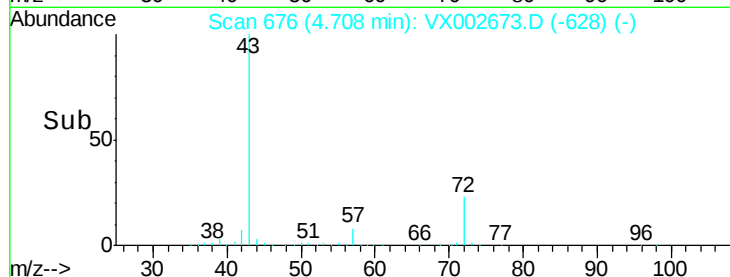
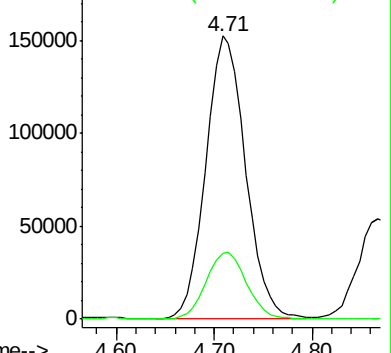
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 37.580 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX002673.D

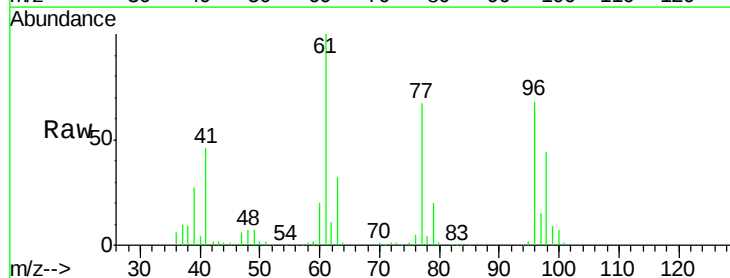
Acq: 17 Jun 2018 02:56

Tgt Ion: 77 Resp: 117475

Ion Ratio Lower Upper

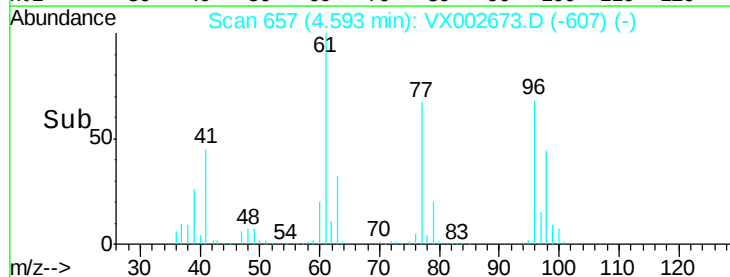
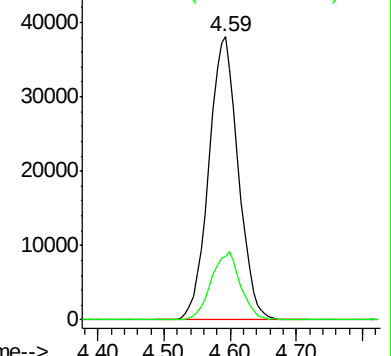
77 100

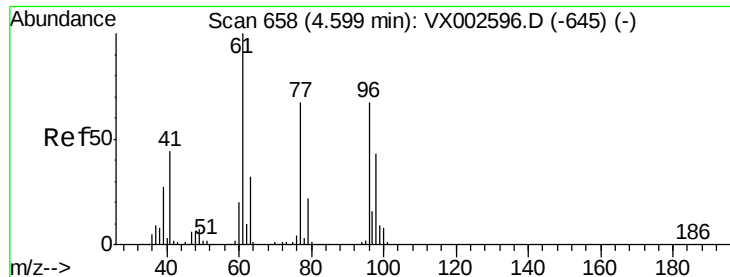
97 23.9 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

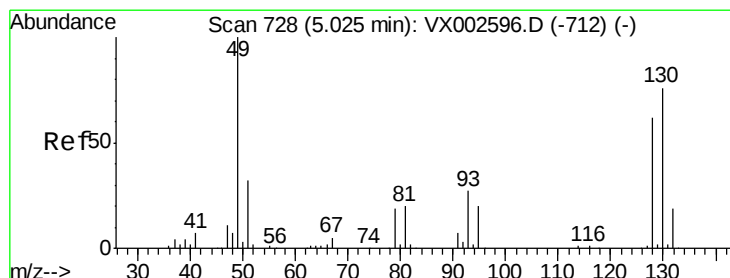
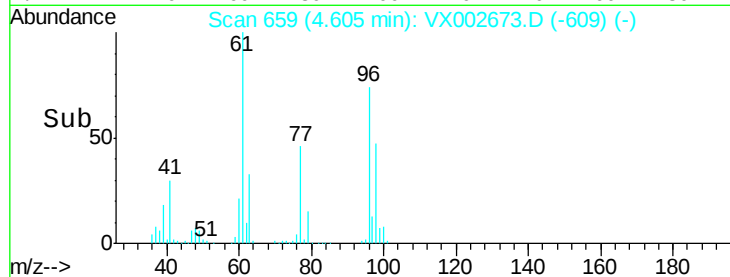
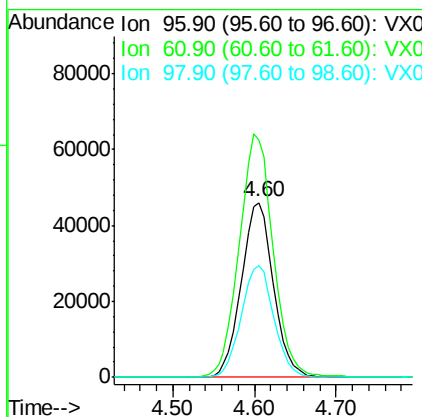
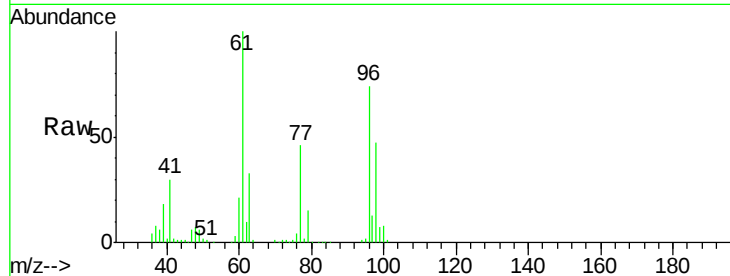
cis-1,2-Dichloroethene
Concen: 51.206 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	147.5	0.0	330.2	
98	65.2	0.0	130.2	

Manual Integrations
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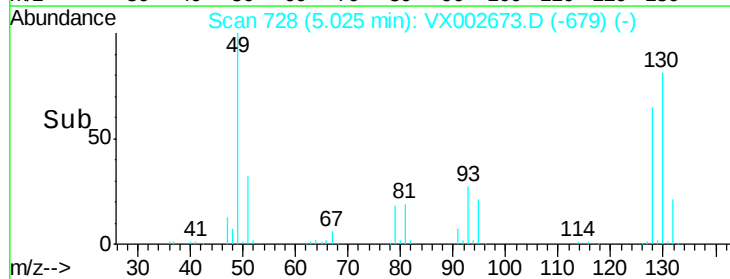
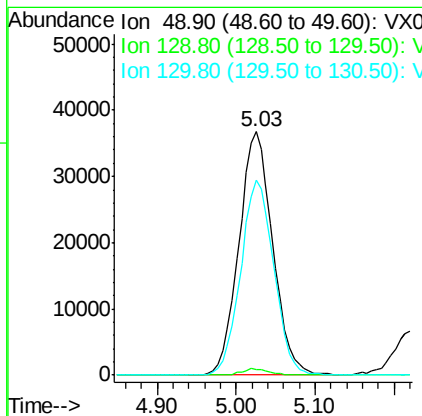
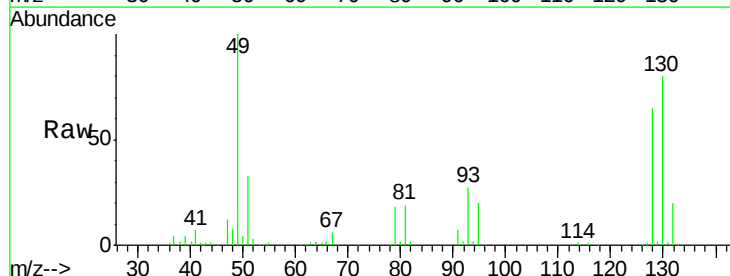
MMDadoda
6/19/2018 1:04:54 PM

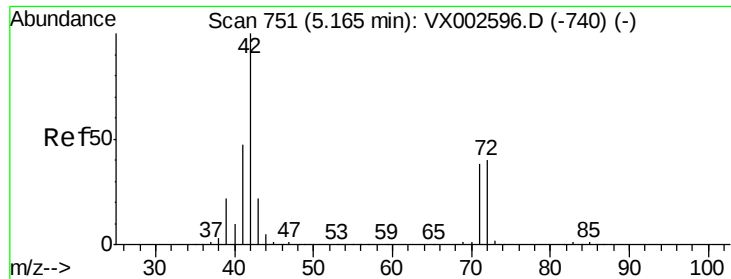


#28

Bromochloromethane
Concen: 53.696 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	4.2	
130	78.6	61.2	91.8	





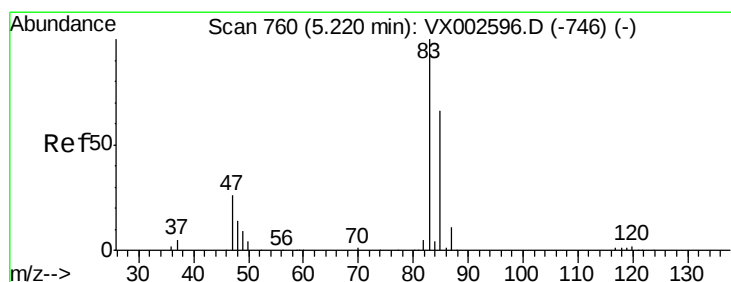
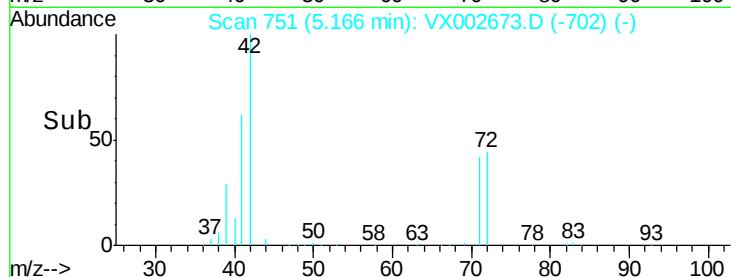
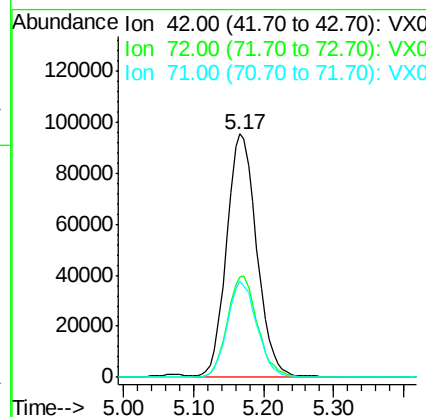
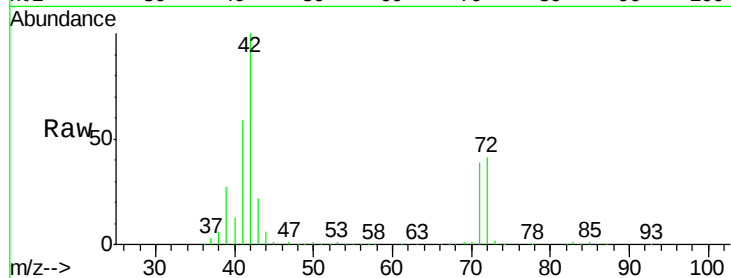
#29
Tetrahydrofuran
Concen: 247.191 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	32.0	48.0
71	38.9	30.1	45.1

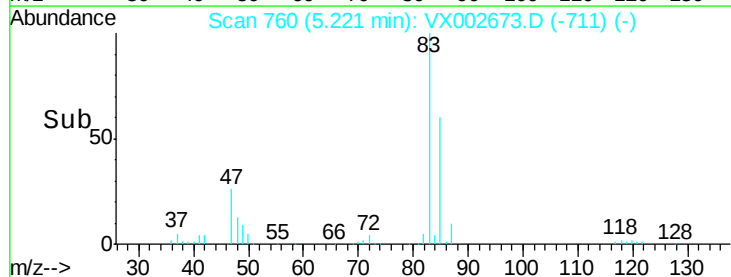
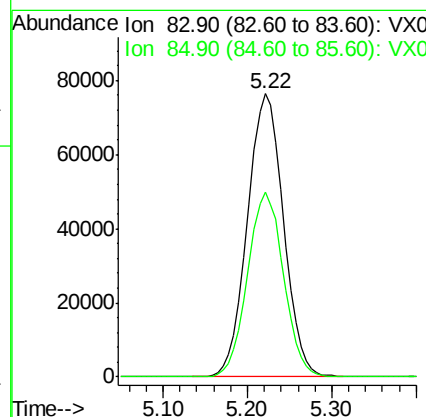
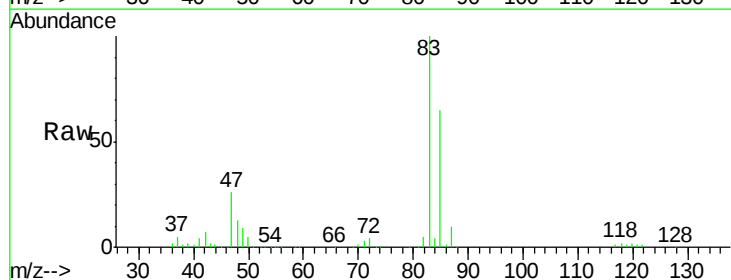
Manual Integrations
APPROVED

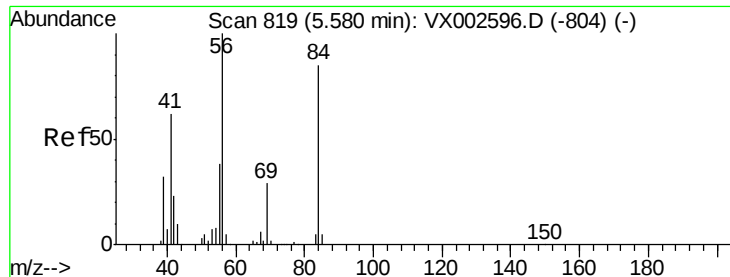
MMDadoda
6/19/2018 1:04:54 PM



#30
Chloroform
Concen: 53.054 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.4	75.6





#31

Cyclohexane

Concen: 49.386 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MS

Tot Ion: 56 Resp: 176898

Ion Ratio Lower Upper

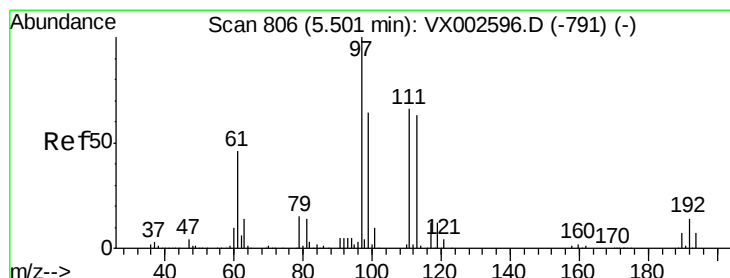
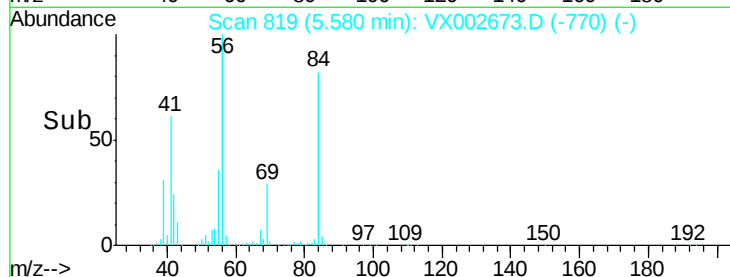
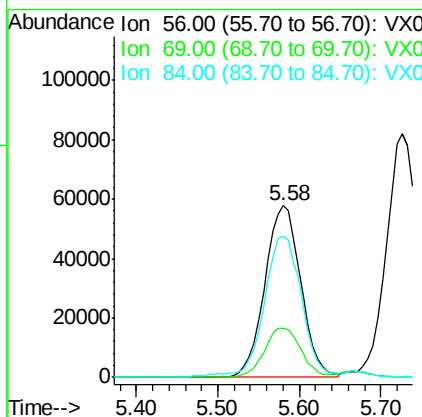
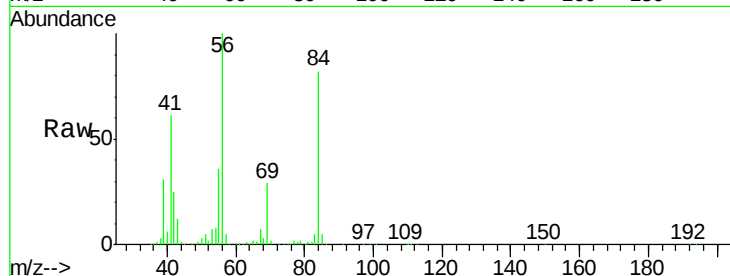
56 100

69 28.8 23.7 35.5

84 82.0 64.1 96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 54.835 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

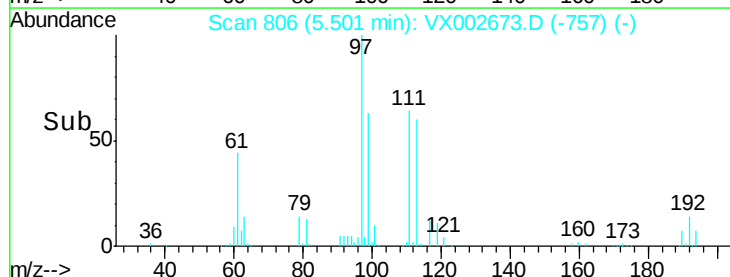
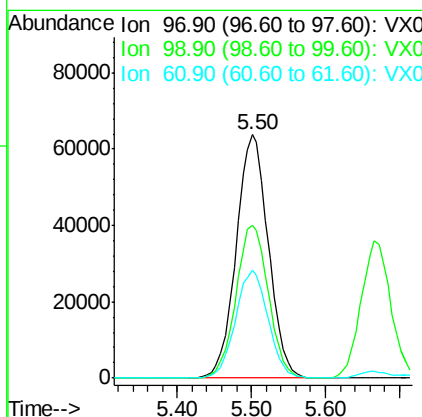
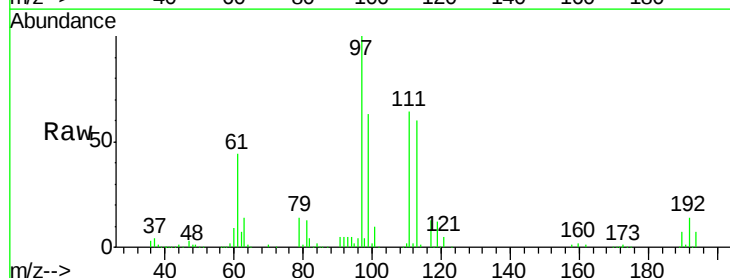
Tgt Ion: 97 Resp: 192403

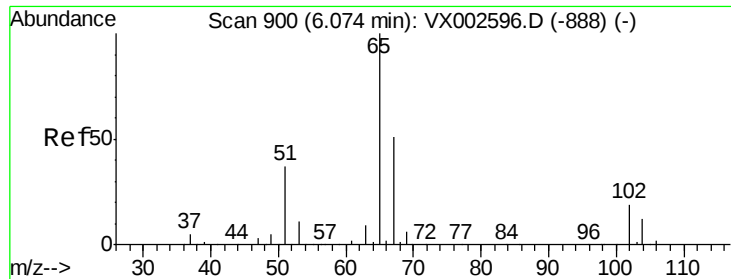
Ion Ratio Lower Upper

97 100

99 63.7 51.6 77.4

61 45.3 36.4 54.6





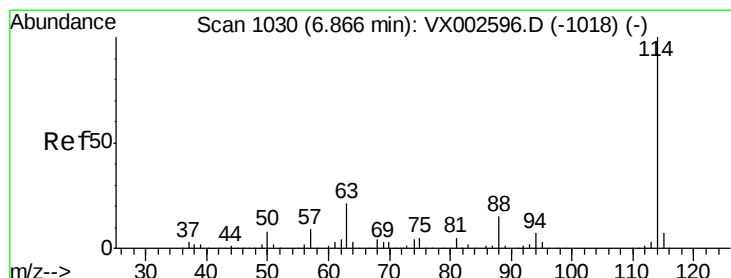
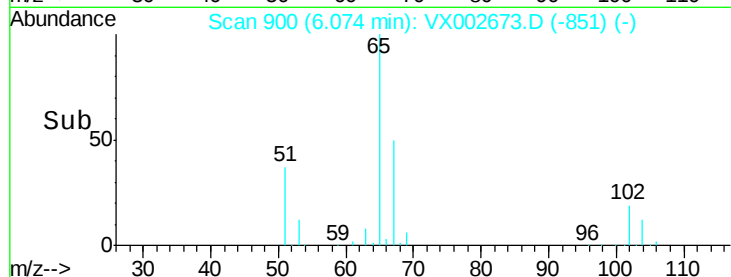
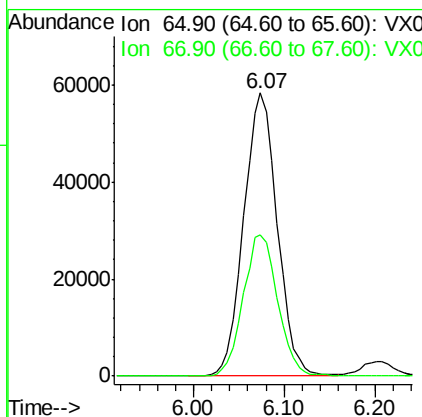
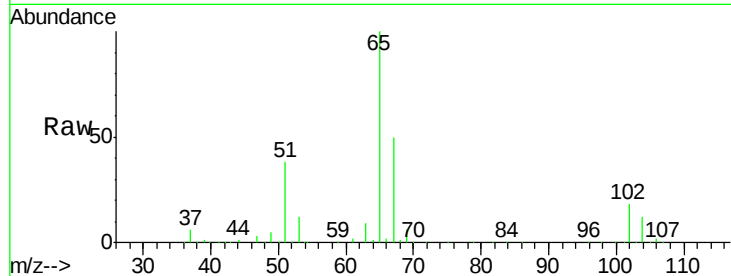
#33
 1,2-Dichloroethane-d4
 Concen: 49.109 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002673.D
 Acq: 17 Jun 2018 02:56

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-061318MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	102.6

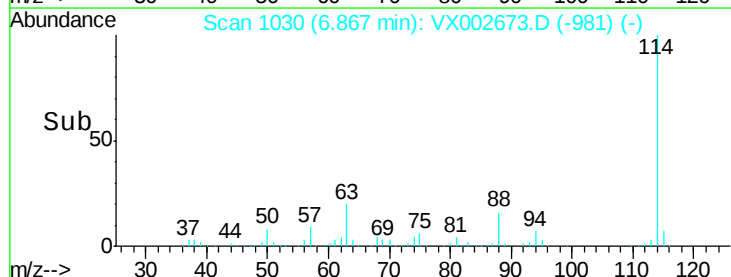
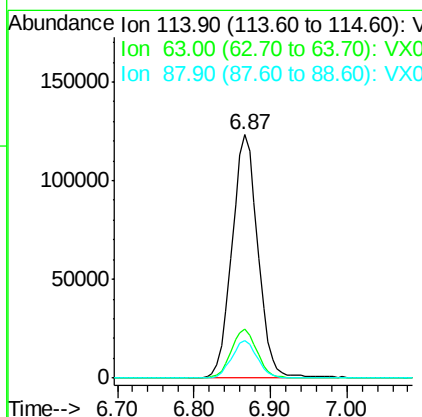
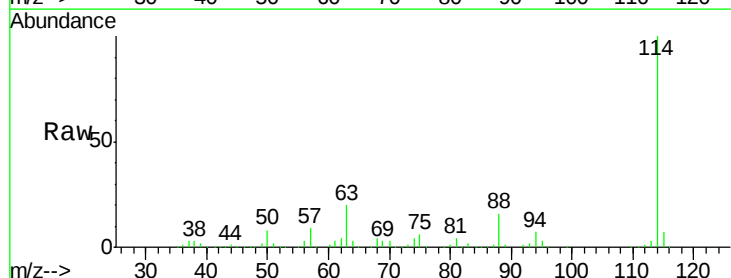
Manual Integrations
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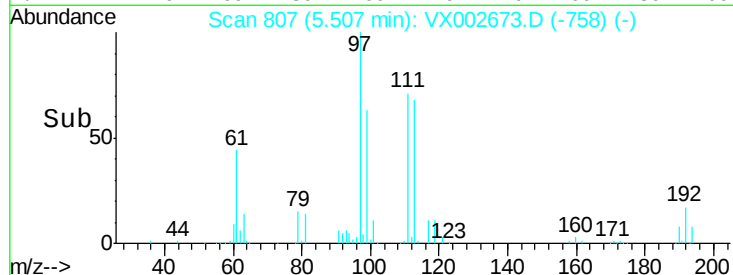
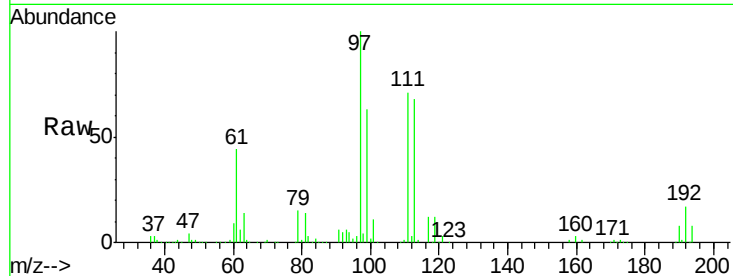
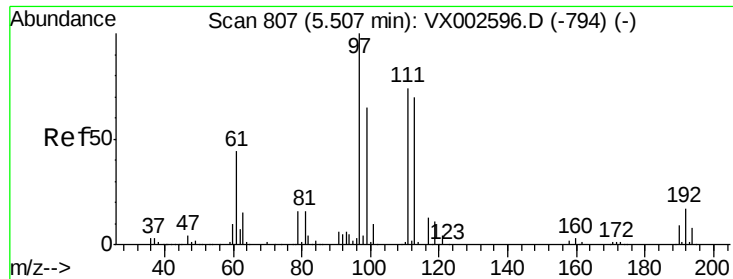
MMDadoda
 6/19/2018 1:04:54 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002673.D
 Acq: 17 Jun 2018 02:56

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	41.4
88	15.6	0.0	30.0





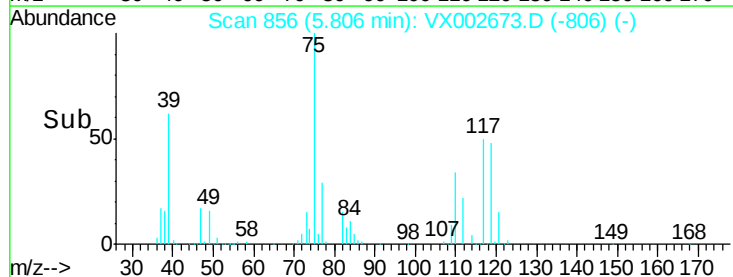
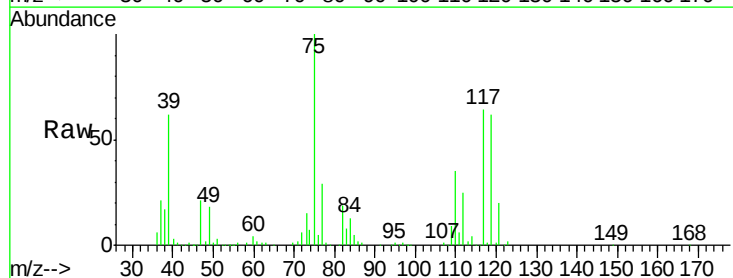
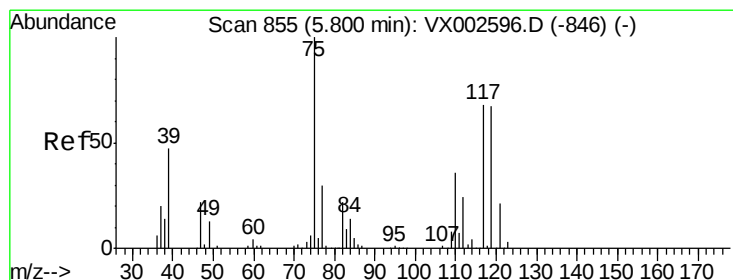
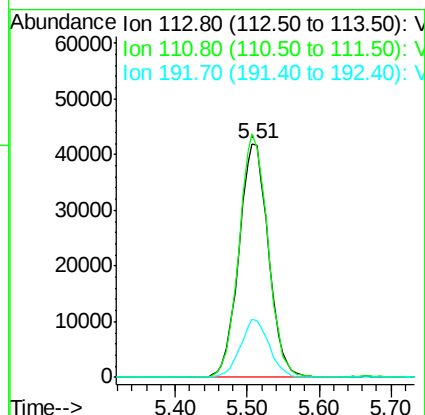
#35
Dibromofluoromethane
Concen: 51.499 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Tot Ion	Ratio	Resp	Lower	Upper
113	100	119201		
111	101.6	81.4	122.0	
192	24.2	19.1	28.7	

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MS

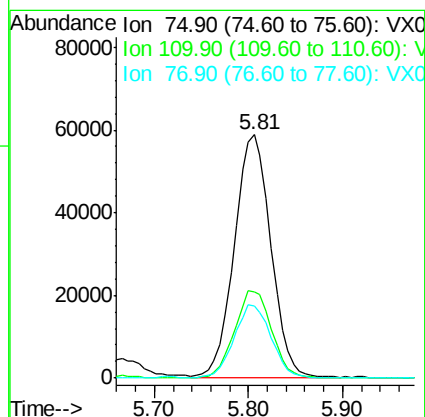
Manual Integrations
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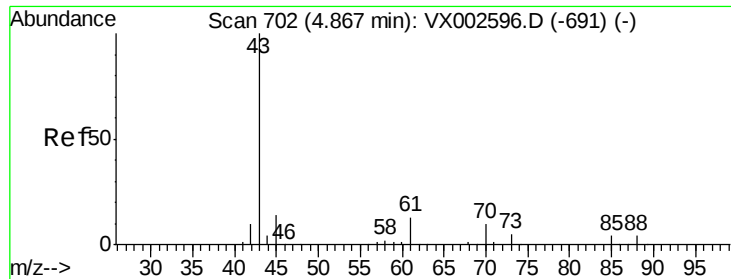
MMDadoda
6/19/2018 1:04:54 PM



#36
1,1-Dichloropropene
Concen: 51.086 ug/l
RT: 5.81 min Scan# 856
Delta R.T. 0.01 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	157355		
110	36.8	18.1	54.4	
77	30.6	24.3	36.5	





#37

Ethyl Acetate

Concen: 45.559 ug/l

RT: 4.87 min Scan# 702

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

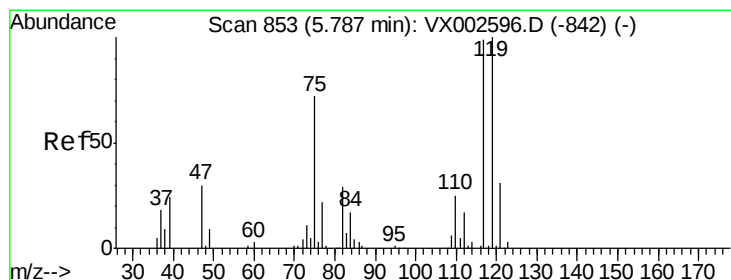
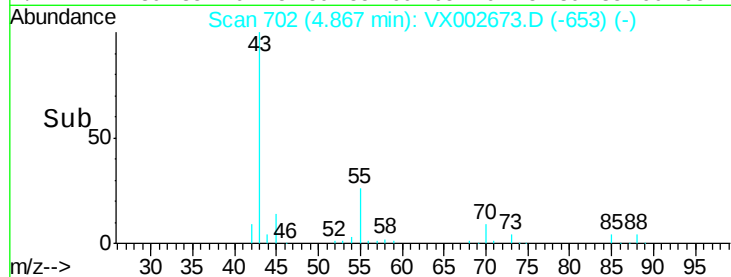
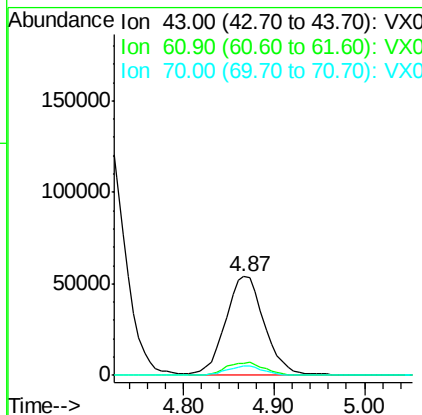
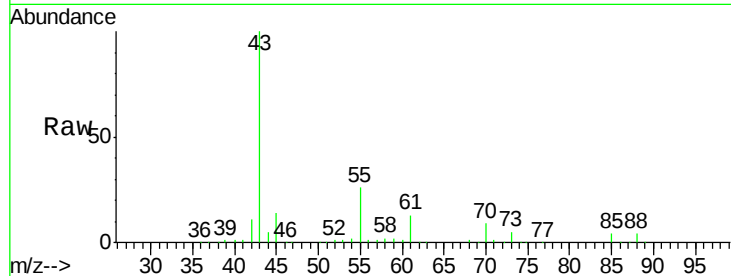
ClientSampleId :

MWHR2-6-061318MS

Tot Ion:	43	Resp:	158834
Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.4	15.6
70	9.4	7.6	11.4

Manual Integrations
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6/19/2018 1:04:54 PM



#38

Carbon Tetrachloride

Concen: 53.782 ug/l

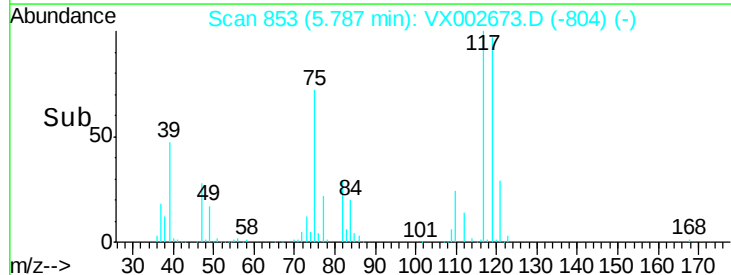
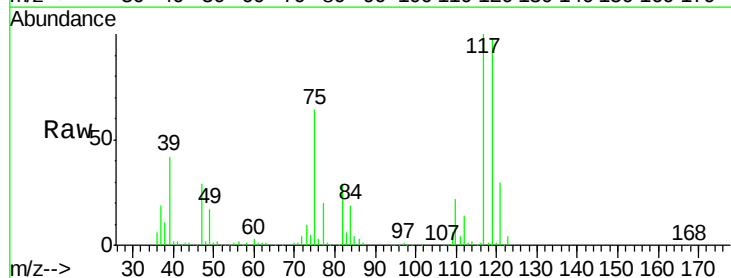
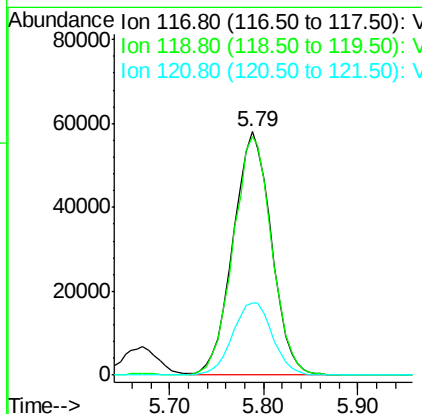
RT: 5.79 min Scan# 853

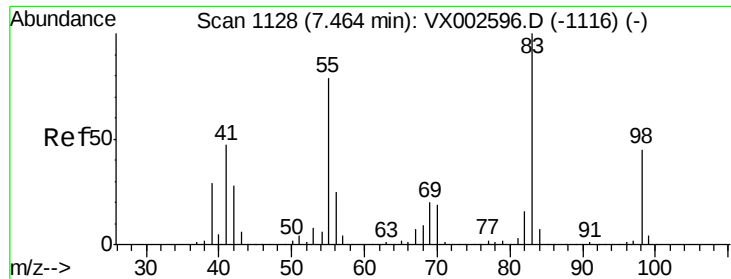
Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Tgt Ion:	117	Resp:	164959
Ion	Ratio	Lower	Upper
117	100		
119	97.9	77.4	116.0
121	29.6	24.4	36.6





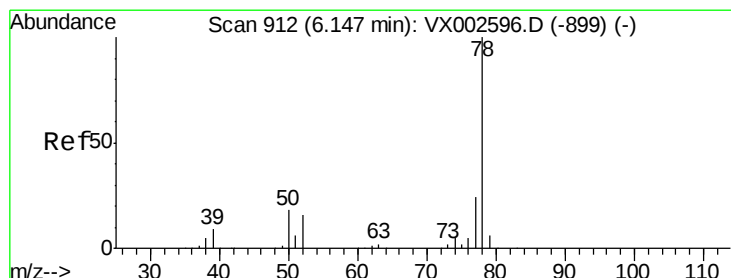
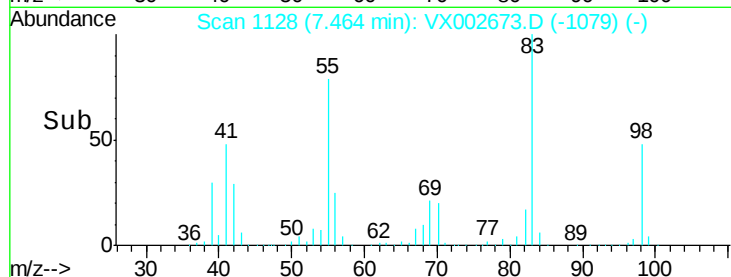
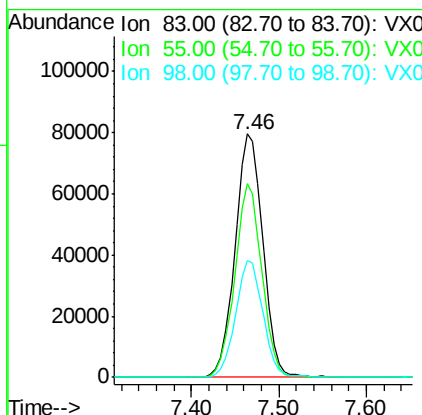
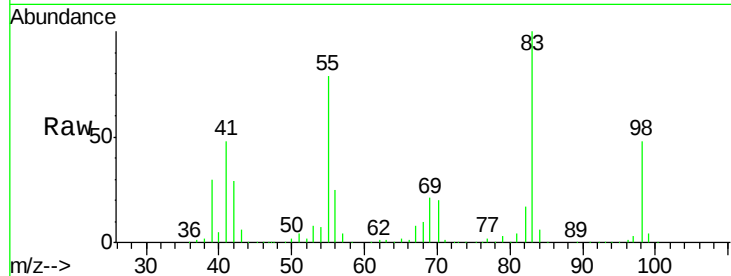
#39
Methvlcvclohexane
Concen: 48.698 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100	175353		
55	79.3	65.4	98.0	
98	47.9	37.4	56.0	

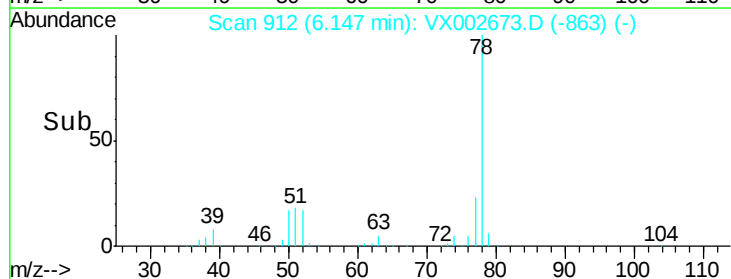
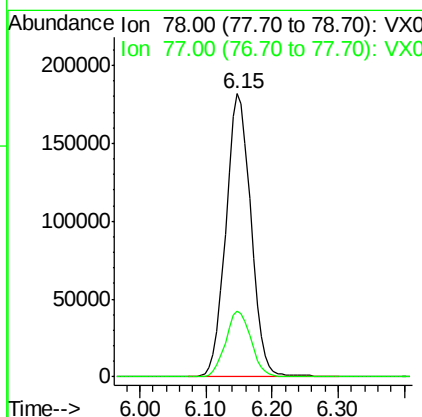
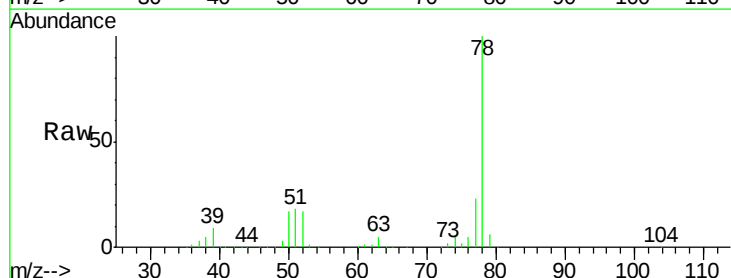
Manual Integrations
APPROVED

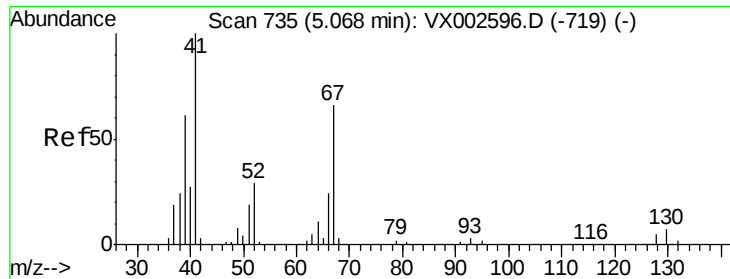
MMDadoda
6/19/2018 1:04:54 PM



#40
Benzene
Concen: 51.691 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	477417		
77	23.4	19.1	28.7	





#41

Methacrylonitrile

Concen: 51.055 ug/l

RT: 5.07 min Scan# 735

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MS

Tot Ion: 41 Resp: 100499

Ion Ratio Lower Upper

41 100

39 56.7 45.8 68.6

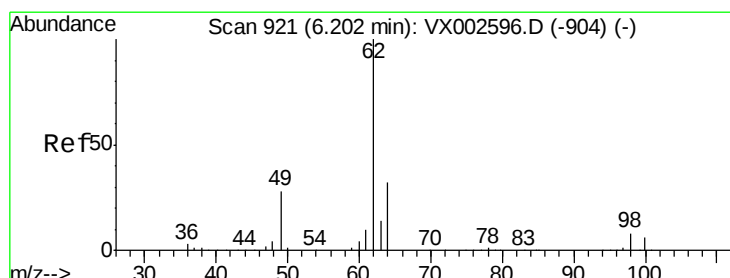
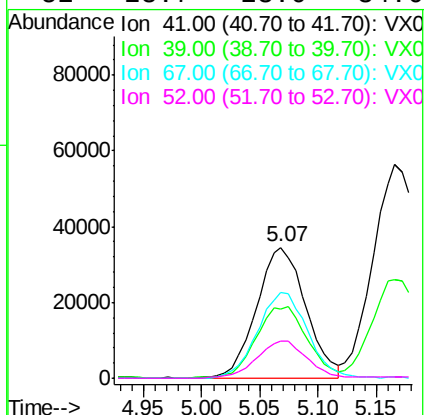
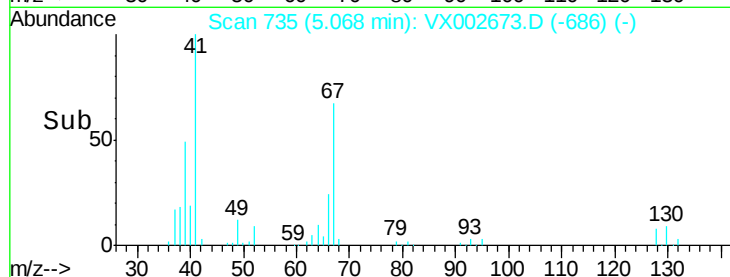
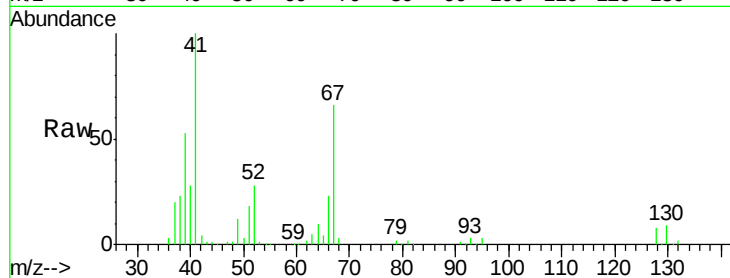
67 67.3 51.3 76.9

52 28.7 23.0 34.6

Manual Integrations
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MMDadoda

6/19/2018 1:04:54 PM



#42

1,2-Dichloroethane

Concen: 52.097 ug/l

RT: 6.20 min Scan# 921

Delta R.T. 0.00 min

Lab File: VX002673.D

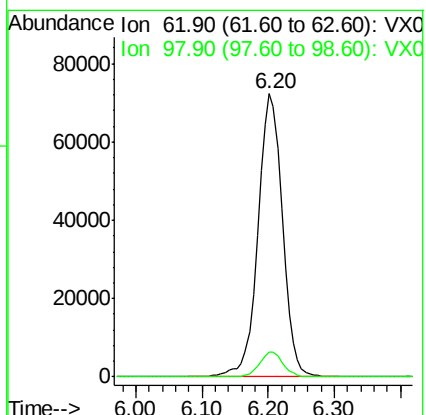
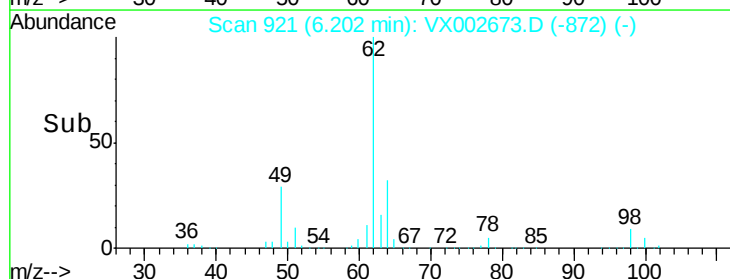
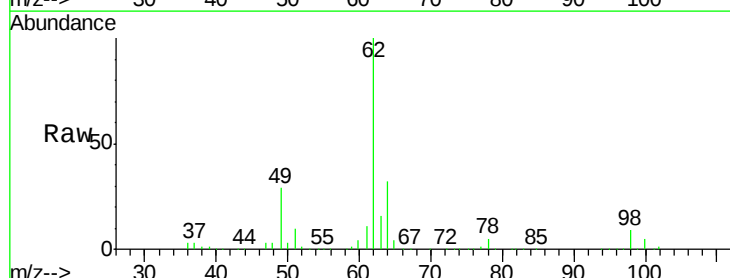
Acq: 17 Jun 2018 02:56

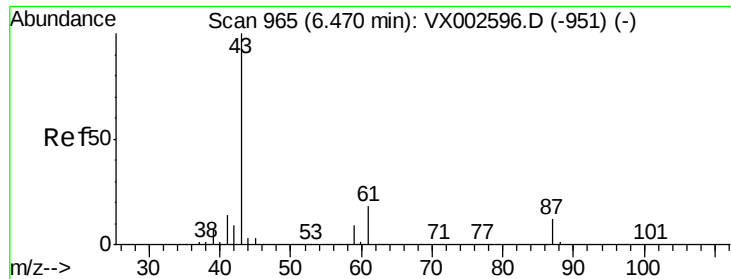
Tgt Ion: 62 Resp: 186288

Ion Ratio Lower Upper

62 100

98 8.4 0.0 16.6





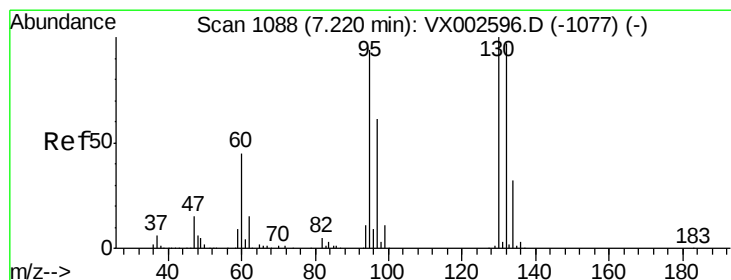
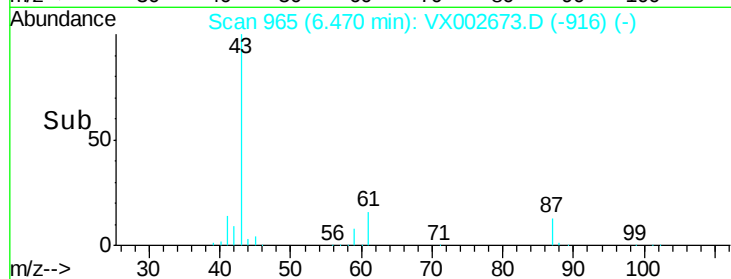
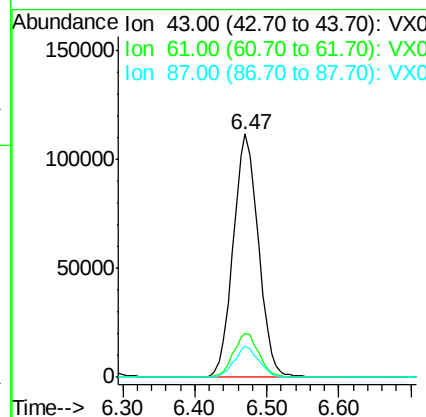
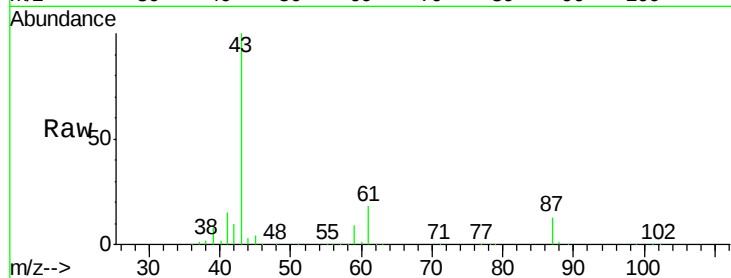
#43
Isopropyl Acetate
Concen: 47.163 ug/l
RT: 6.47 min Scan# 965
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.4	21.6
87	12.4	9.5	14.3

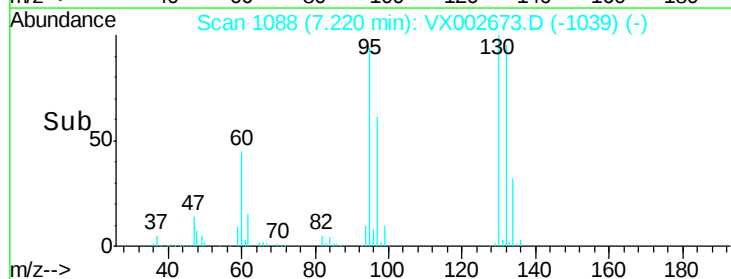
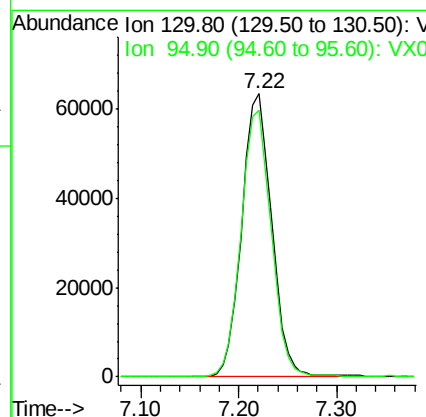
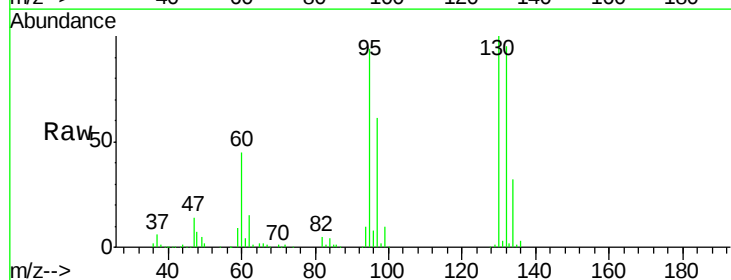
Manual Integrations
APPROVED

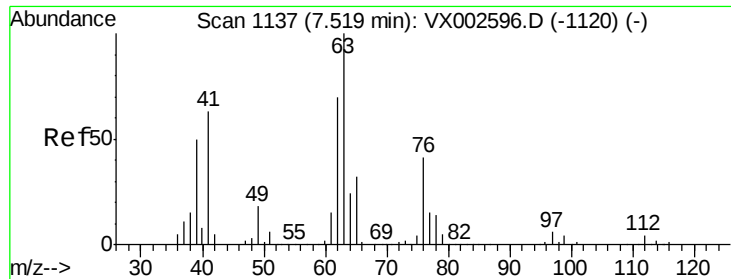
MMDadoda
6/19/2018 1:04:54 PM



#44
Trichloroethene
Concen: 50.581 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	185.4





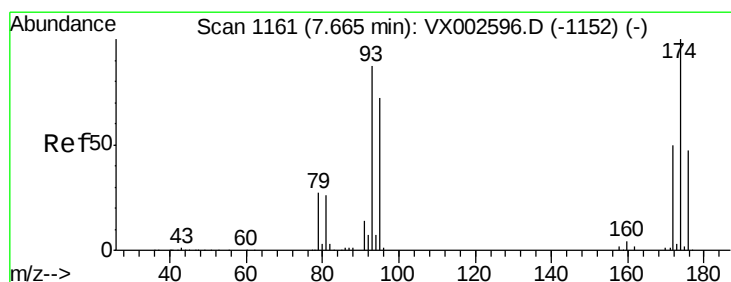
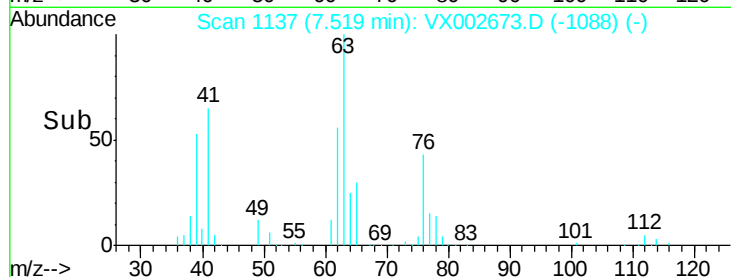
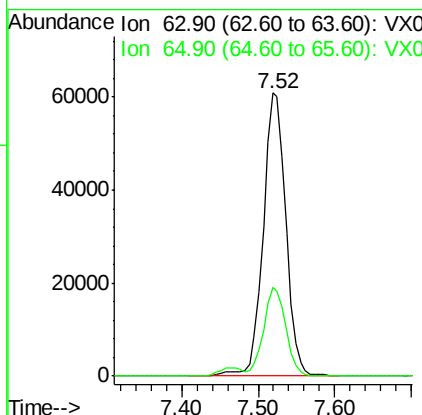
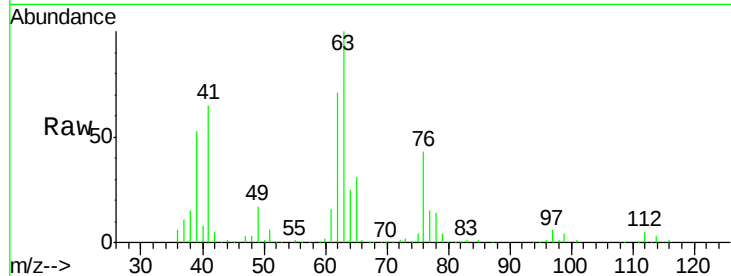
#45
 1,2-Dichloropropane
 Concen: 51.965 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX002673.D
 Acq: 17 Jun 2018 02:56

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-061318MS

Tot Ion: 63 Resp: 126314
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.7 37.1

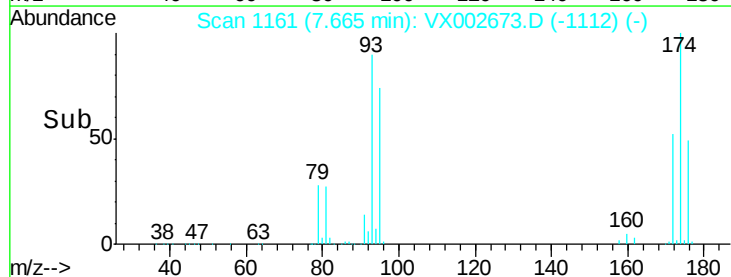
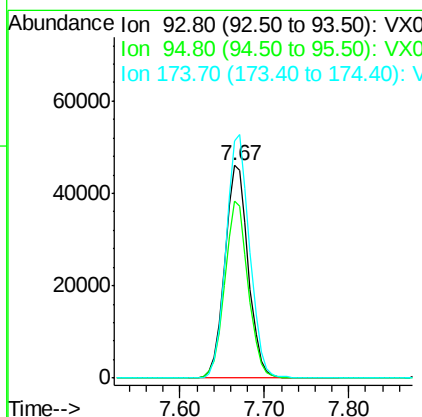
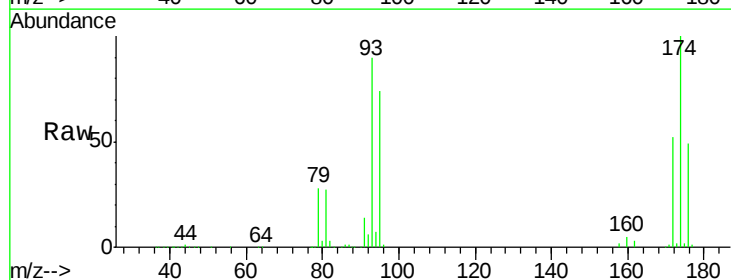
Manual Integrations
 APPROVED

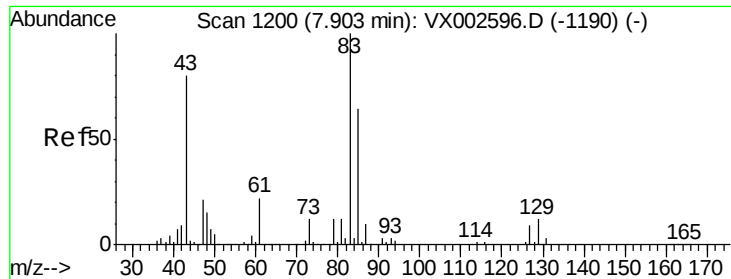
MMDadoda
 6/19/2018 1:04:54 PM



#46
 Dibromomethane
 Concen: 54.123 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX002673.D
 Acq: 17 Jun 2018 02:56

Tgt Ion: 93 Resp: 88003
 Ion Ratio Lower Upper
 93 100
 95 82.6 65.9 98.9
 174 114.4 92.4 138.6





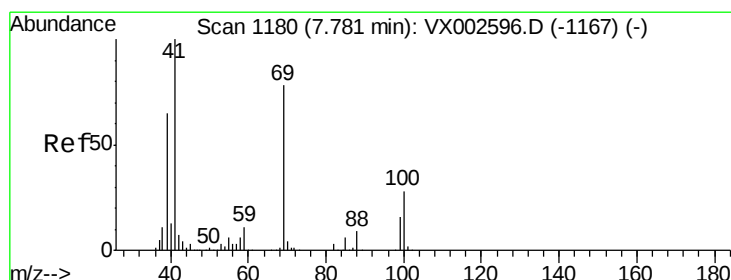
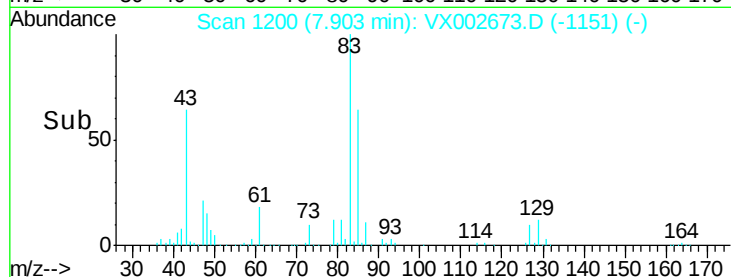
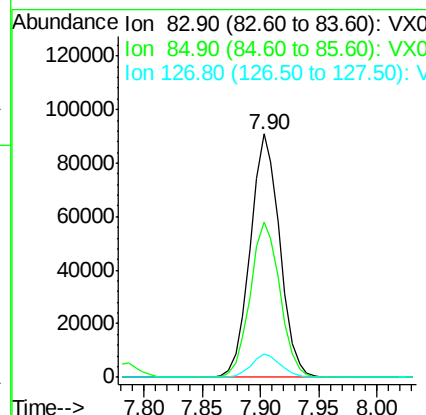
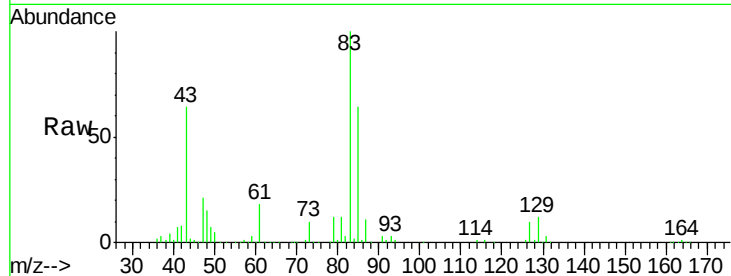
#47
Bromodichloromethane
Concen: 55.861 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MS

Tot Ion	83	Resp	160200
Ion Ratio	100	Lower	Upper
83	100		
85	63.7	50.3	75.5
127	9.5	7.0	10.4

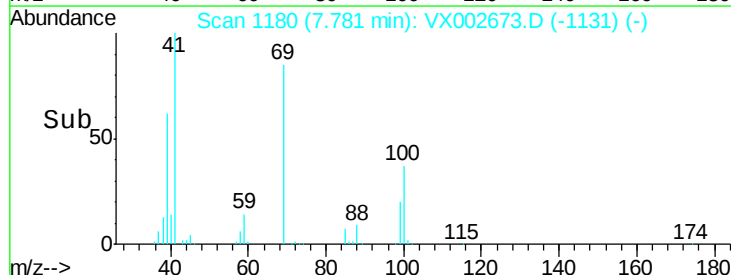
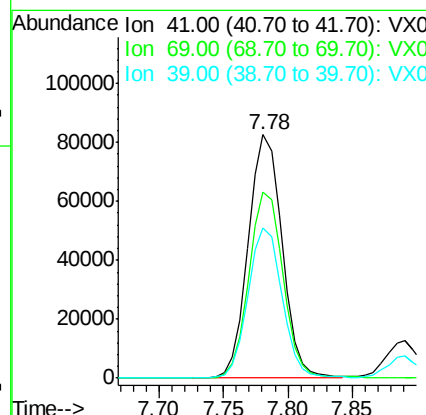
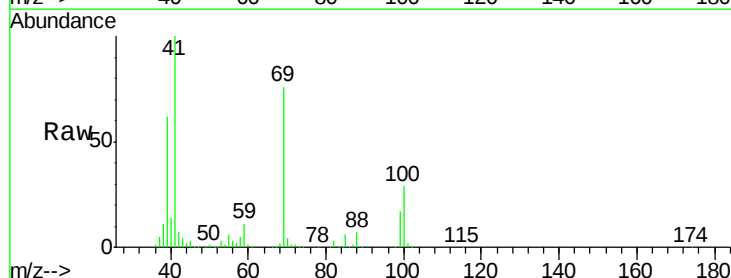
Manual Integrations
APPROVED

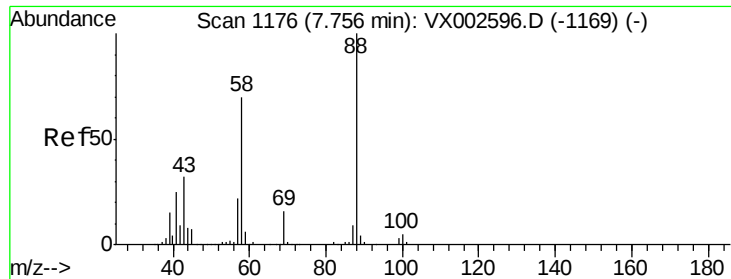
MMDadoda
6/19/2018 1:04:54 PM



#48
Methyl methacrylate
Concen: 50.644 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Tgt Ion	41	Resp	149489
Ion Ratio	100	Lower	Upper
41	100		
69	77.7	59.1	88.7
39	61.9	48.9	73.3





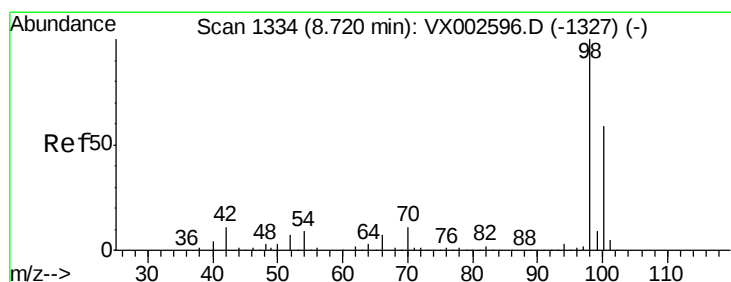
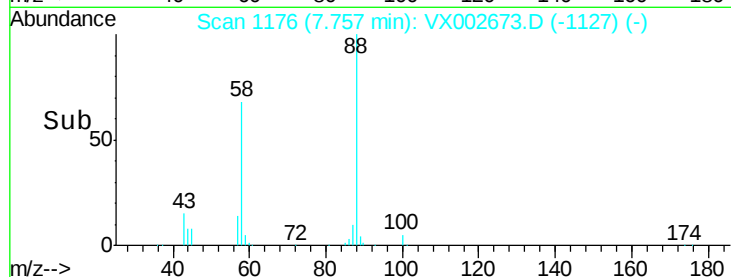
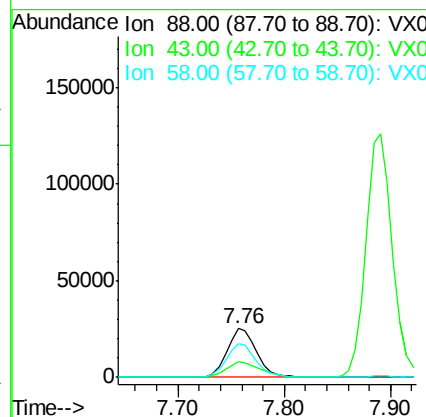
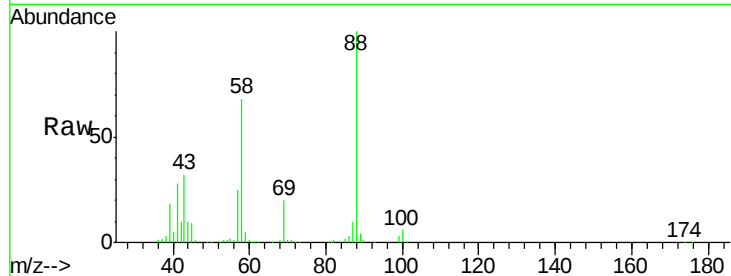
#49
1,4-Dioxane
Concen: 859.052 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.2	29.8	44.6
58	70.4	57.1	85.7

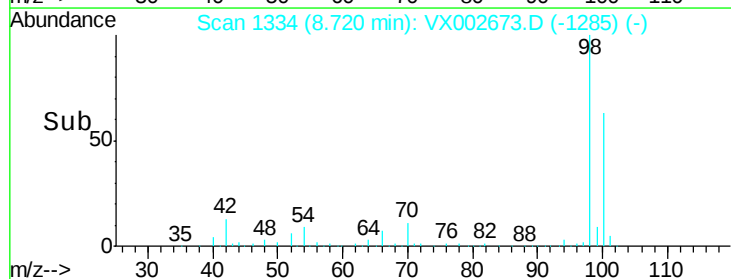
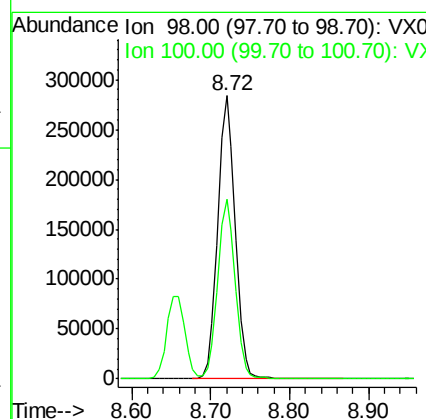
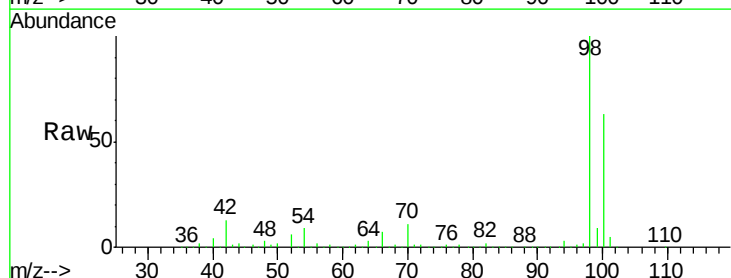
Manual Integrations
APPROVED

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#50
Toluene-d8
Concen: 49.959 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	50.9	76.3





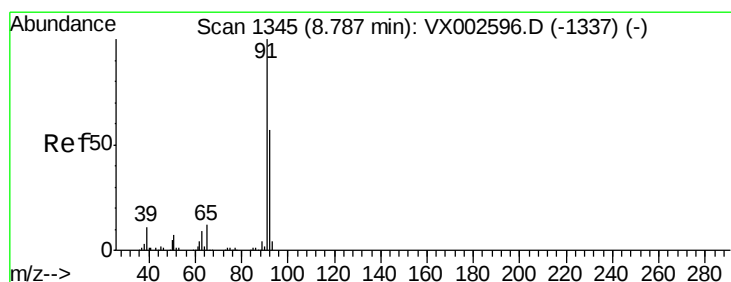
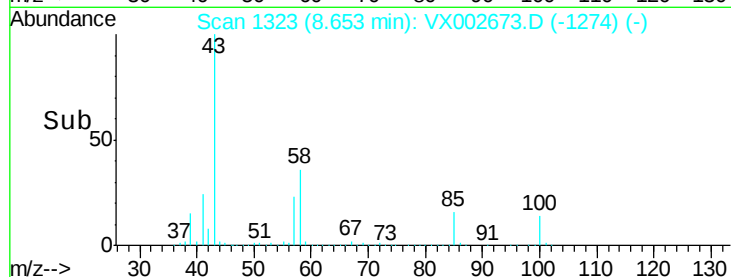
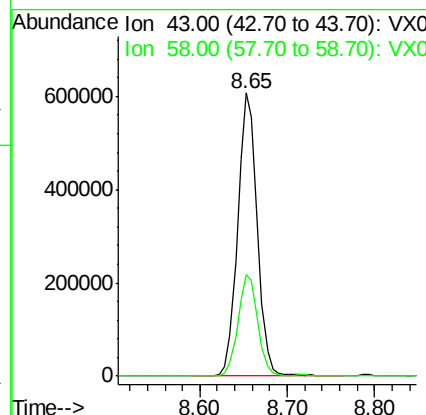
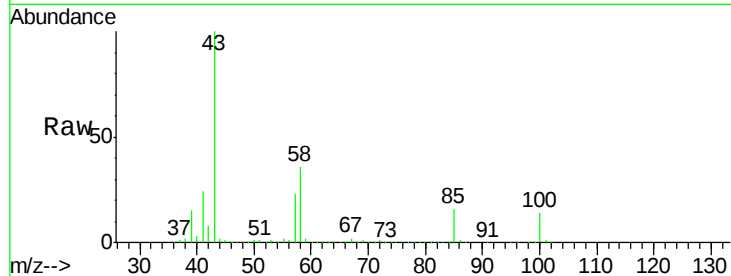
#51
4-Methyl-2-Pentanone
Concen: 256.168 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MS

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.9	28.6	42.8

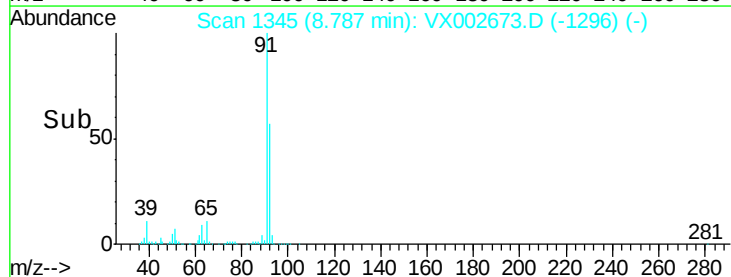
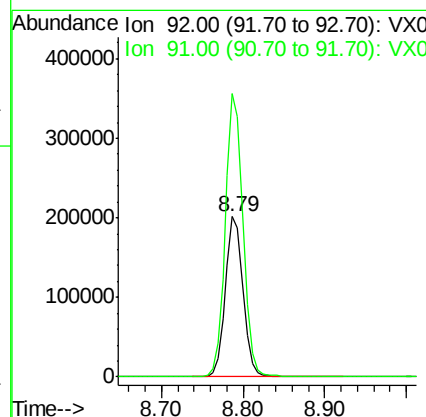
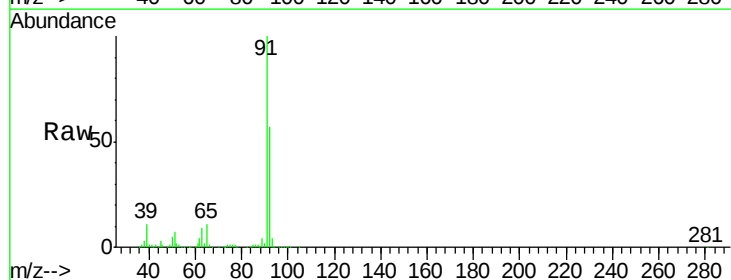
Manual Integrations
APPROVED

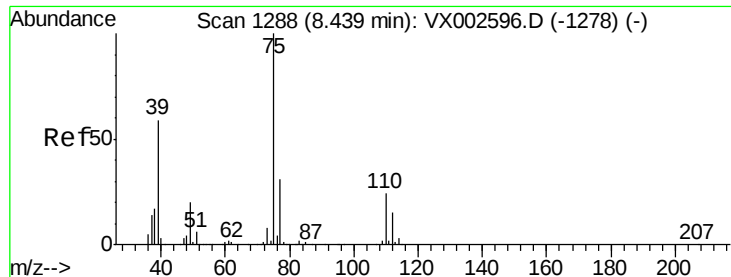
MMDadoda
6/19/2018 1:04:54 PM



#52
Toluene
Concen: 51.883 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.0	140.4	210.6





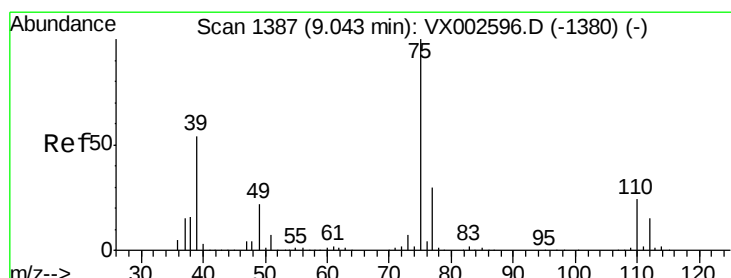
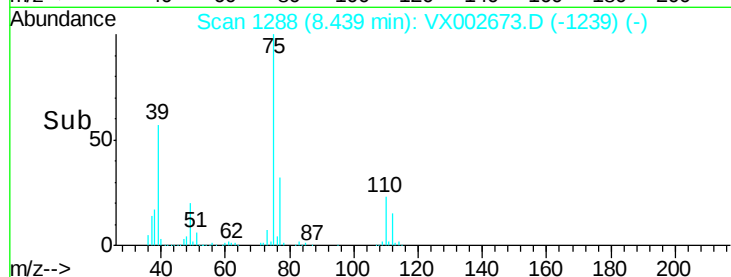
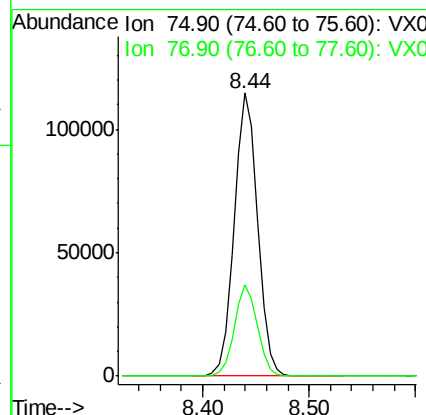
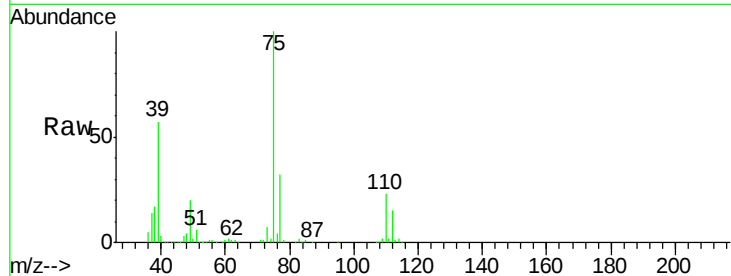
#53
t-1,3-Dichloropropene
Concen: 46.790 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MS

Tot Ion: 75 Resp: 177013
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.2

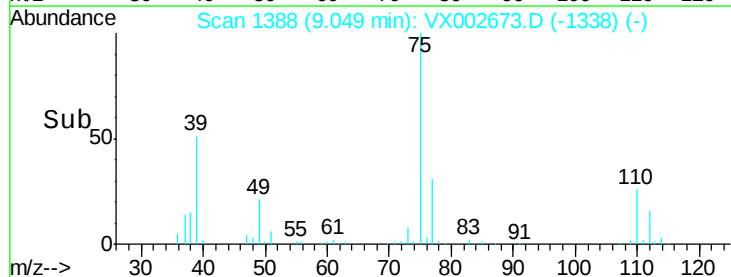
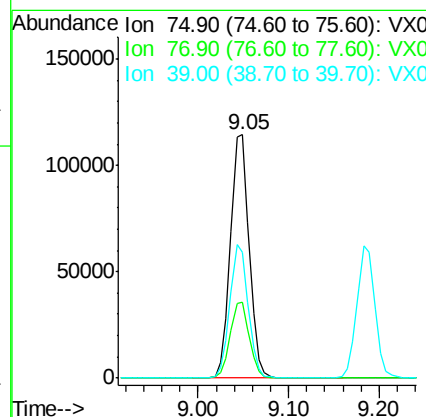
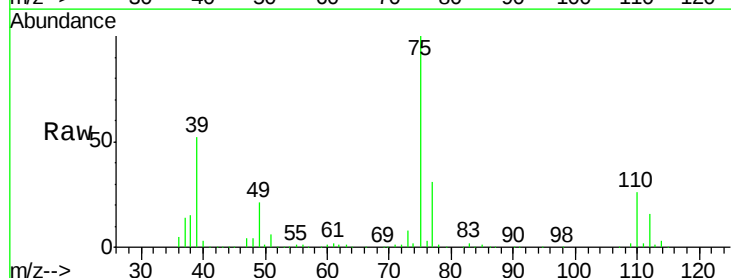
Manual Integrations
APPROVED

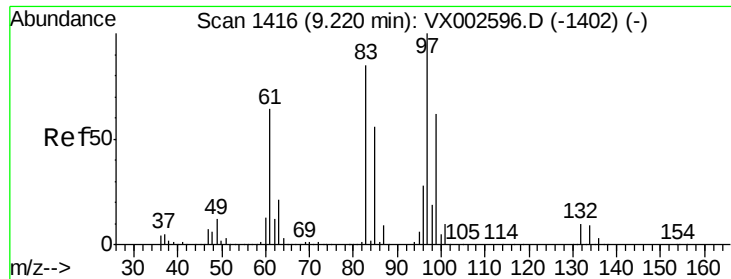
MMDadoda
6/19/2018 1:04:54 PM



#54
cis-1,3-Dichloropropene
Concen: 45.873 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Tgt Ion: 75 Resp: 165100
Ion Ratio Lower Upper
75 100
77 31.0 24.8 37.2
39 51.4 42.4 63.6





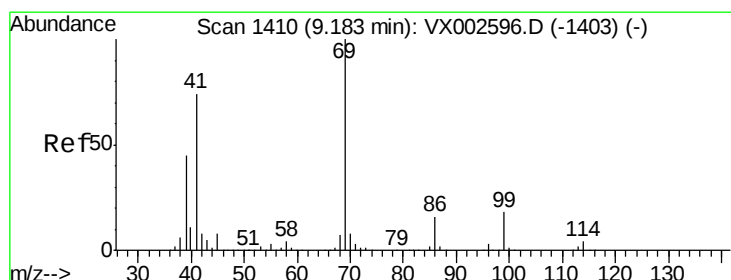
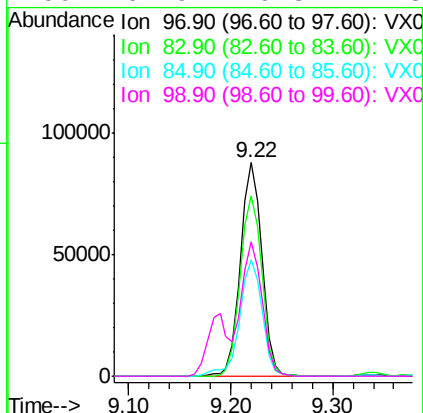
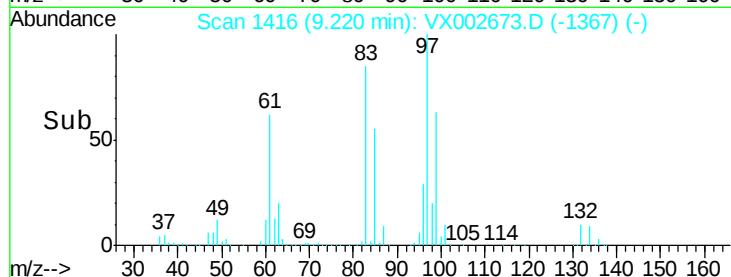
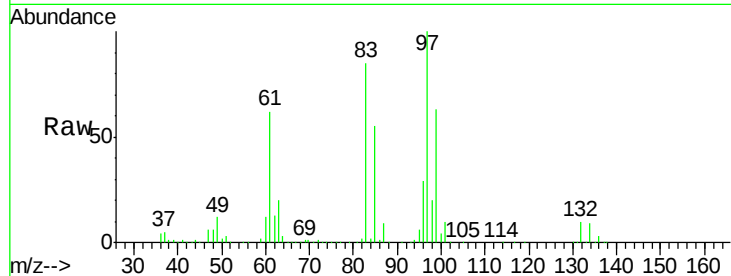
#55
 1,1,2-Trichloroethane
 Concen: 53.515 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX002673.D
 Acq: 17 Jun 2018 02:56

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-061318MS

Tot Ion:	97	Resp:	127398
Ion	Ratio	Lower	Upper
97	100		
83	84.6	70.2	105.2
85	54.6	44.9	67.3
99	62.9	49.8	74.8

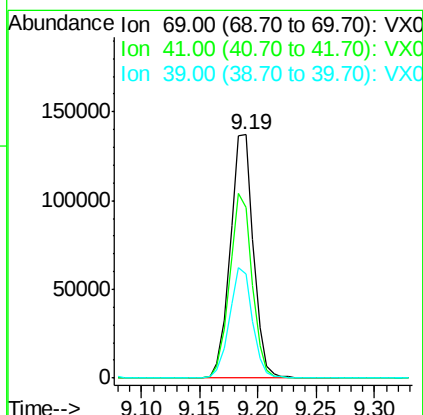
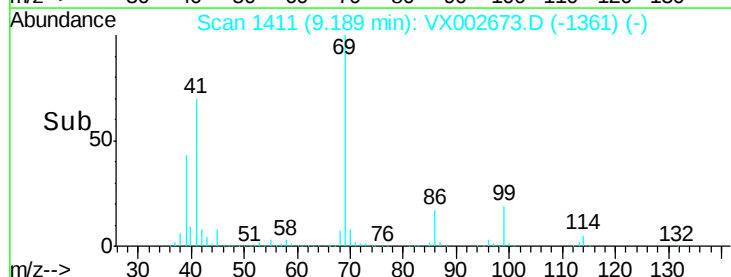
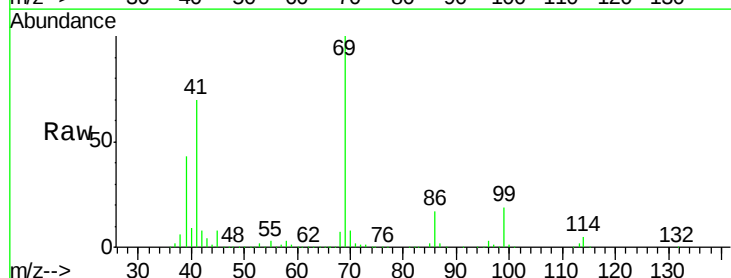
Manual Integrations
 APPROVED

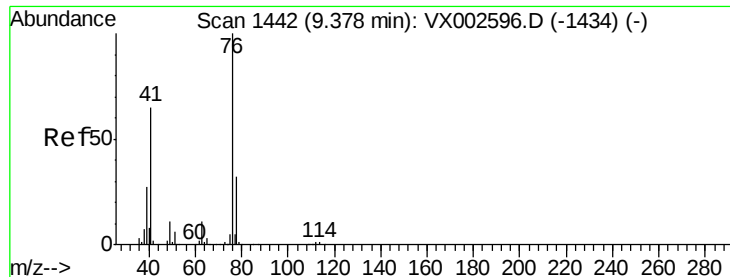
MMDadoda
 6/19/2018 1:04:54 PM



#56
 Ethyl methacrylate
 Concen: 52.061 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.01 min
 Lab File: VX002673.D
 Acq: 17 Jun 2018 02:56

Tgt Ion:	69	Resp:	190729
Ion	Ratio	Lower	Upper
69	100		
41	73.0	60.3	90.5
39	44.7	35.8	53.8





#57

1,3-Dichloropropane

Concen: 51.514 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MS

Tot Ion: 76 Resp: 207414

Ion Ratio Lower Upper

76 100

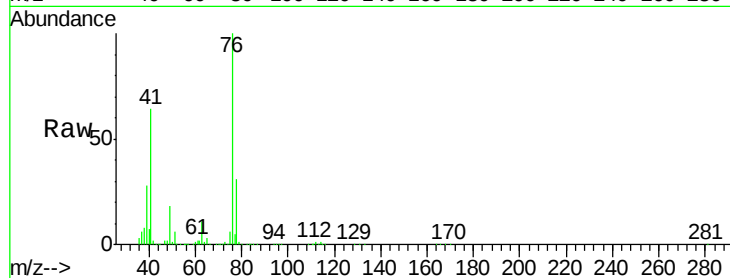
78 32.0 25.8 38.6

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

9.38

150000

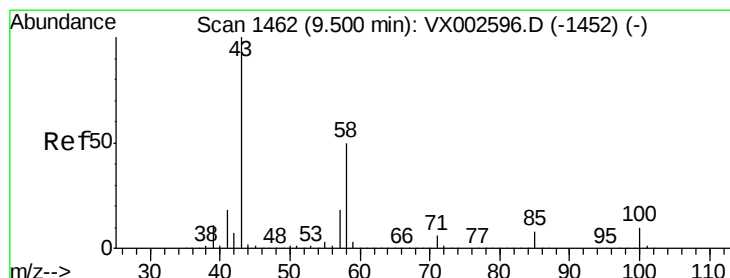
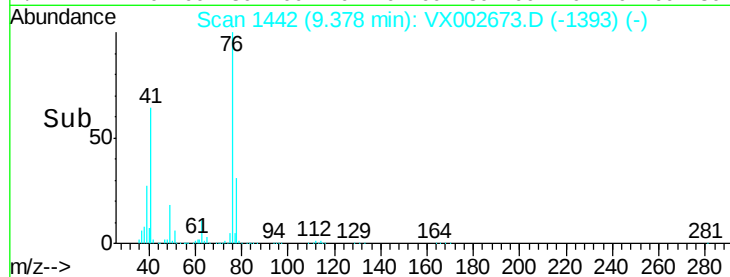
100000

50000

0

9.30 9.35 9.40 9.45 9.50

Time-->



#59

2-Hexanone

Concen: 255.653 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. 0.00 min

Lab File: VX002673.D

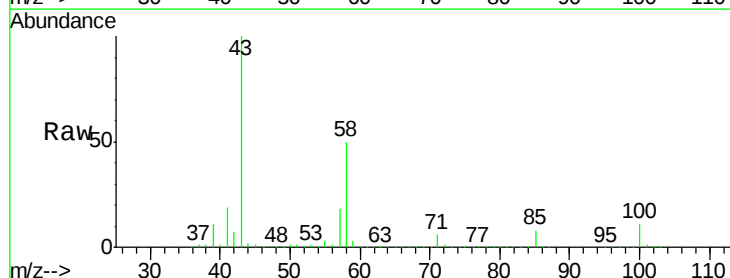
Acq: 17 Jun 2018 02:56

Tgt Ion: 43 Resp: 714470

Ion Ratio Lower Upper

43 100

58 50.1 24.6 73.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.50

600000

500000

400000

300000

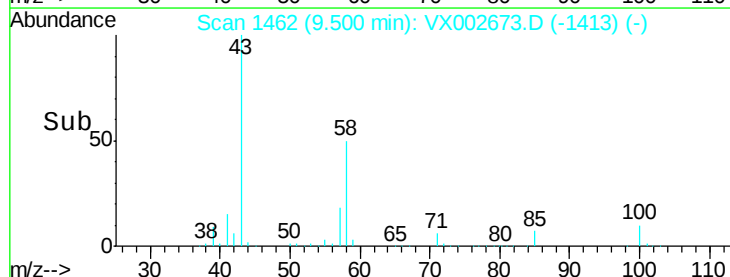
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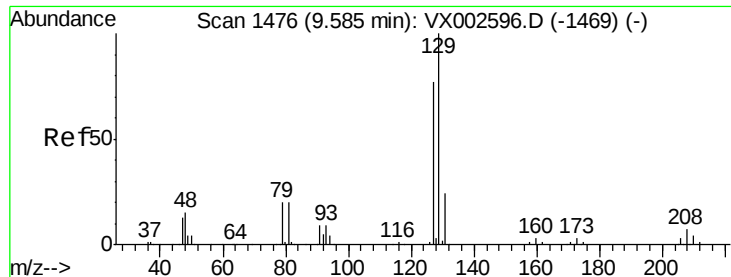
100000

0

9.40 9.50 9.60

Time-->





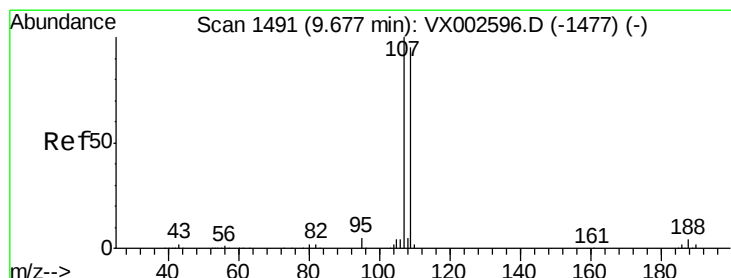
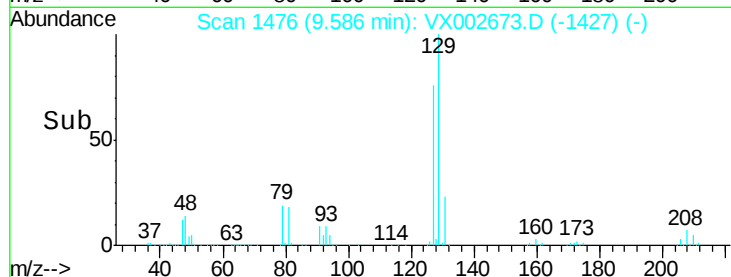
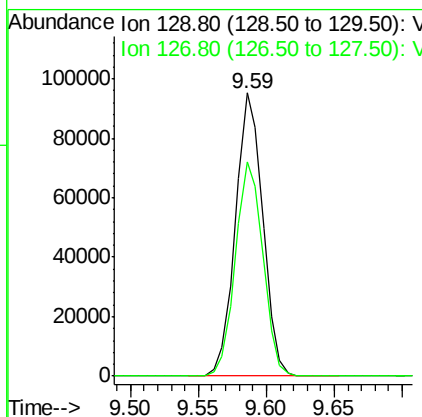
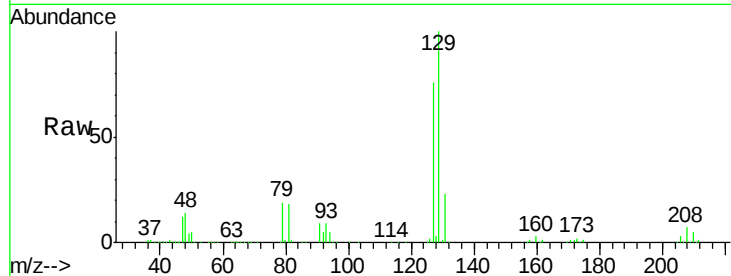
#60
Dibromochloromethane
Concen: 49.899 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MS

Tot Ion:129 Resp: 133604
Ion Ratio Lower Upper
129 100
127 76.0 38.5 115.3

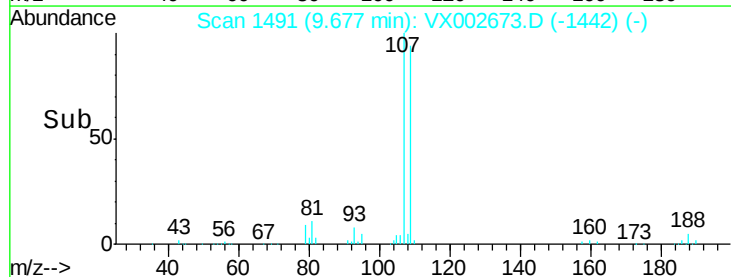
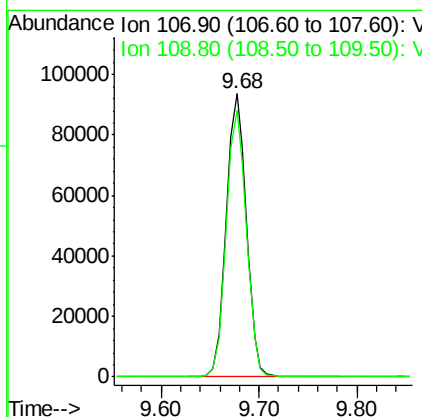
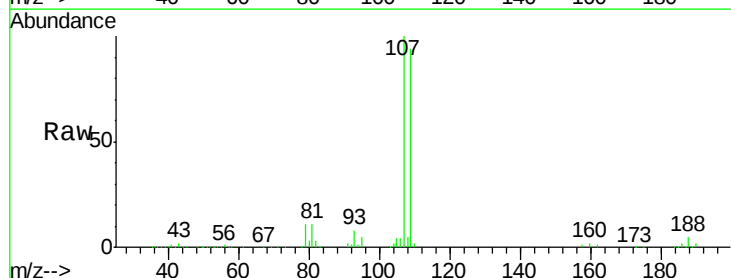
Manual Integrations
APPROVED

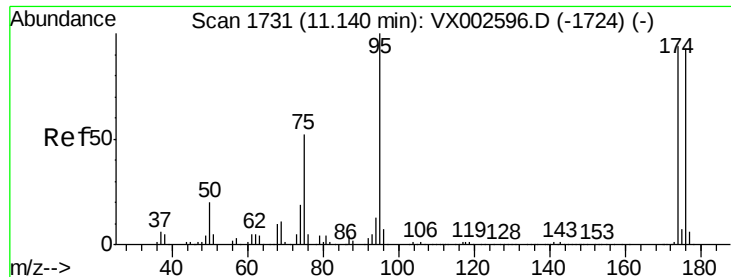
MMDadoda
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#61
1,2-Dibromoethane
Concen: 54.173 ug/l
RT: 9.68 min Scan# 1491
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Tgt Ion:107 Resp: 133565
Ion Ratio Lower Upper
107 100
109 94.4 75.3 112.9





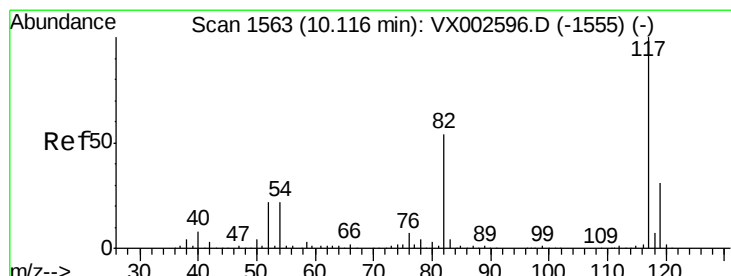
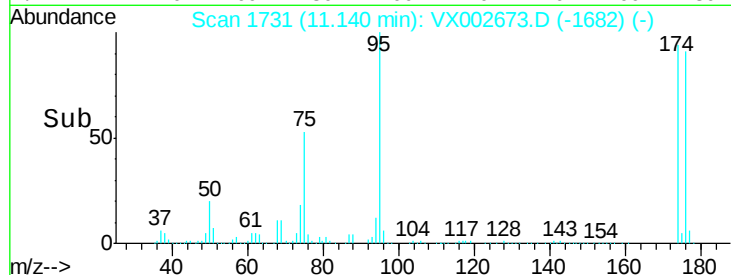
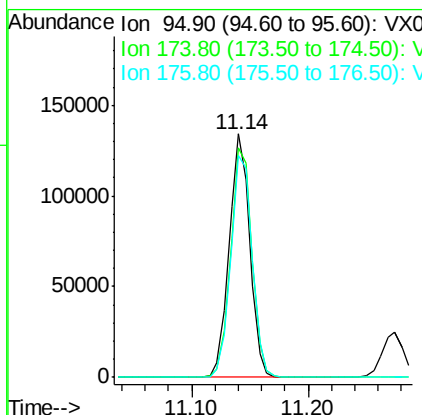
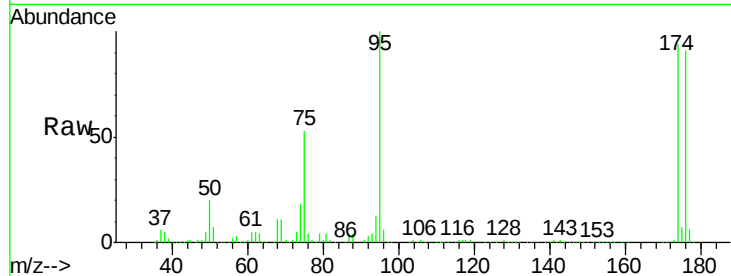
#62
4-Bromofluorobenzene
Concen: 49.505 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MS

Tot Ion	Ratio	Resp	Lower	Upper
95	100	164866		
174	97.5	0.0	187.4	
176	95.0	0.0	181.0	

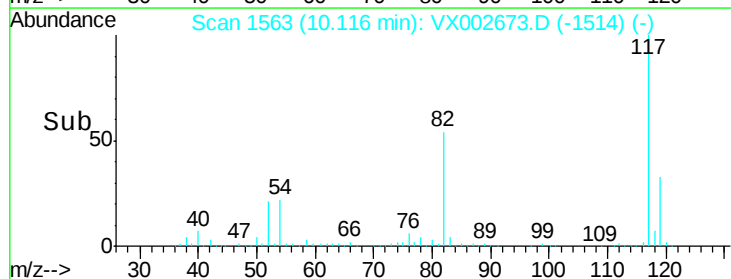
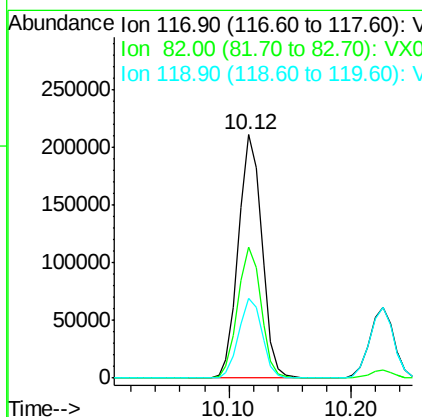
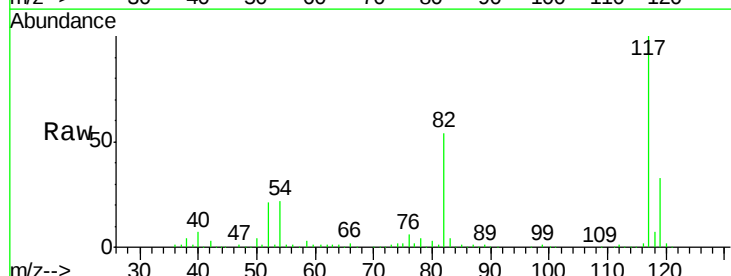
Manual Integrations
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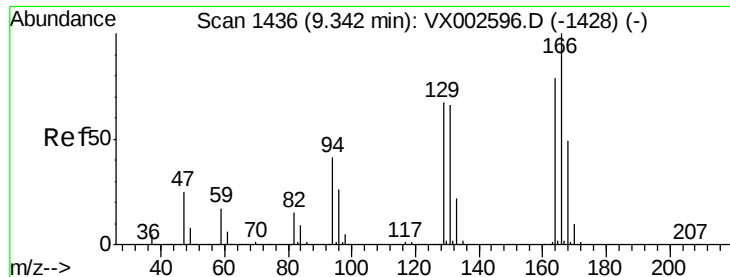
MMDadoda
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	279716		
82	53.7	45.0	67.4	
119	32.6	25.8	38.6	





#64

Tetrachloroethene

Concen: 44.836 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

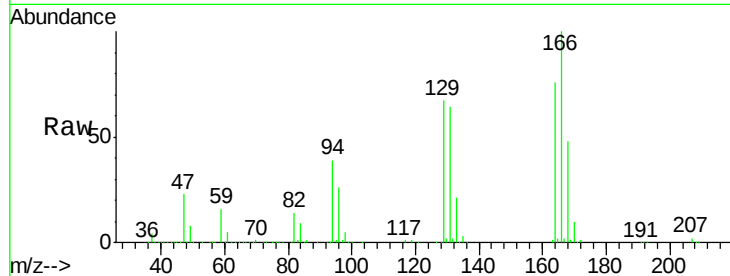
ClientSampleId :

MWHR2-6-061318MS

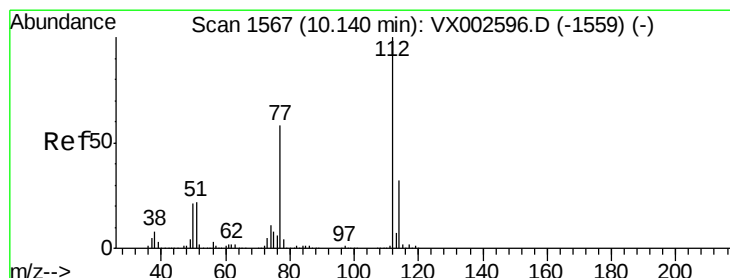
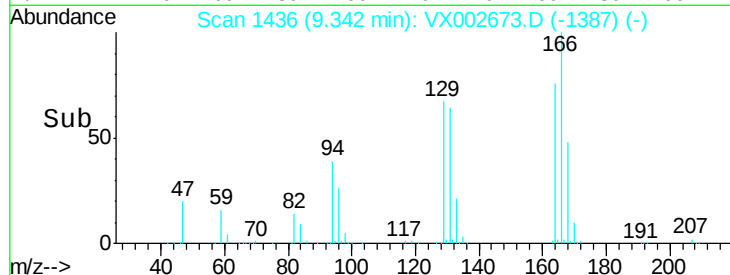
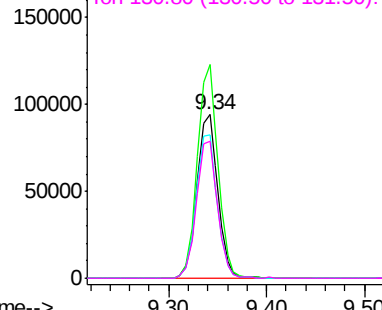
Tot Ion:	164	Resp:	139213
Ion Ratio	Lower	Upper	
164	100		
166	130.8	102.9	154.3
129	87.9	68.6	102.8
131	83.6	66.8	100.2

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Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 51.512 ug/l

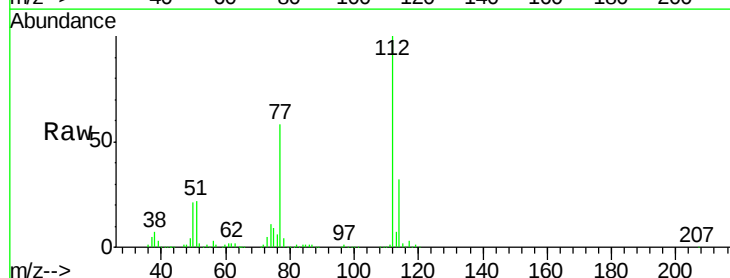
RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

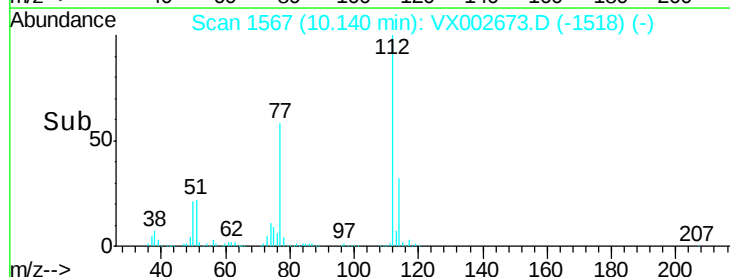
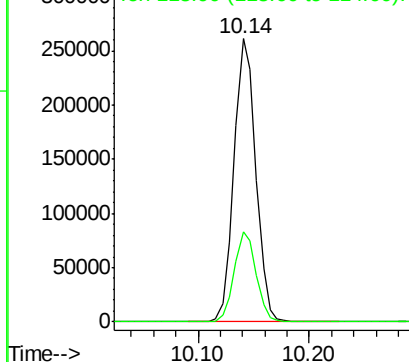
Lab File: VX002673.D

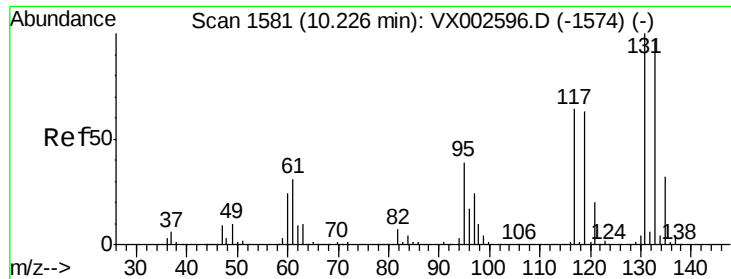
Acq: 17 Jun 2018 02:56

Tgt Ion:	112	Resp:	353859
Ion Ratio	Lower	Upper	
112	100		
114	32.0	25.3	37.9



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 55.544 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MS

Tot Ion:131 Resp: 130080

Ion Ratio Lower Upper

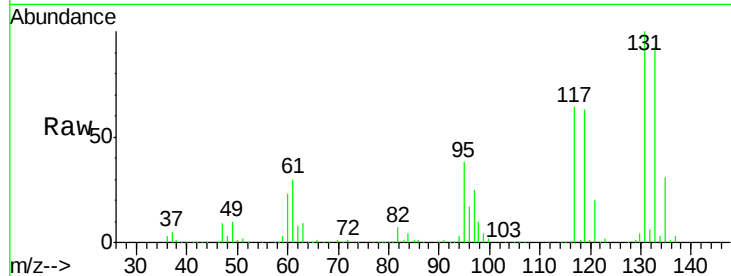
131 100

133 94.9 47.9 143.6

119 63.9 31.8 95.3

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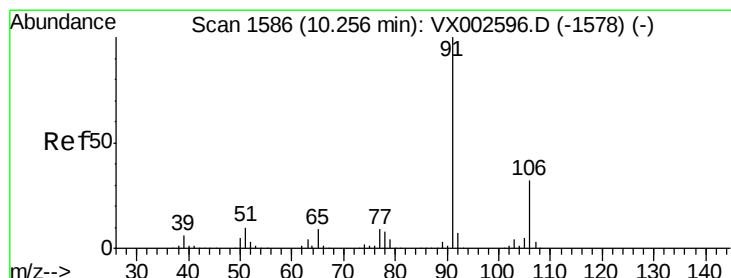
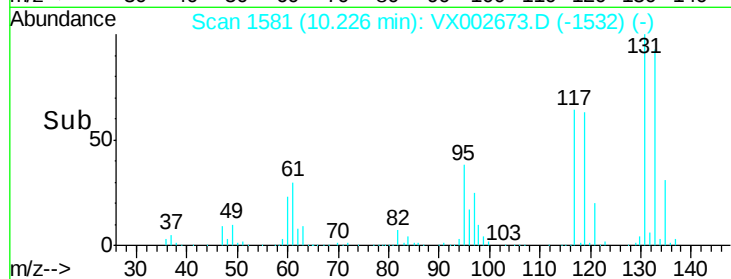
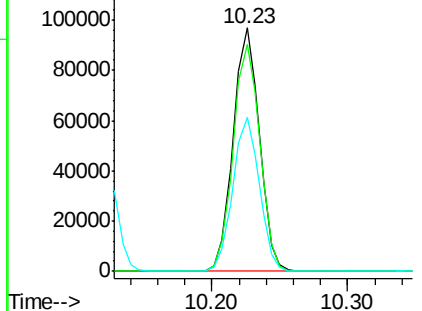
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Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 50.744 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX002673.D

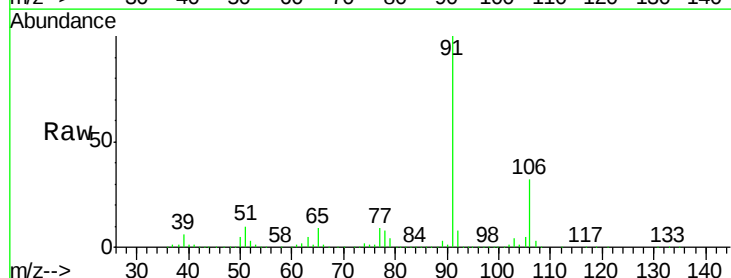
Acq: 17 Jun 2018 02:56

Tgt Ion: 91 Resp: 587949

Ion Ratio Lower Upper

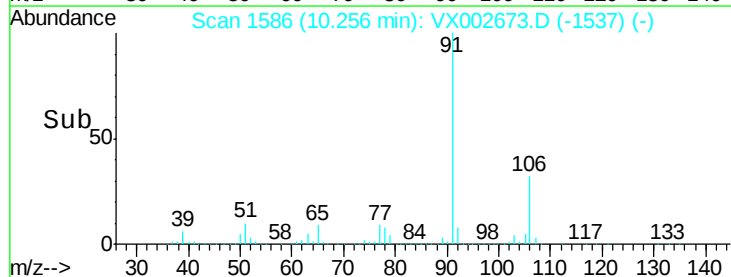
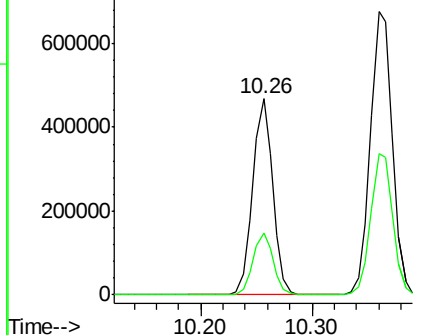
91 100

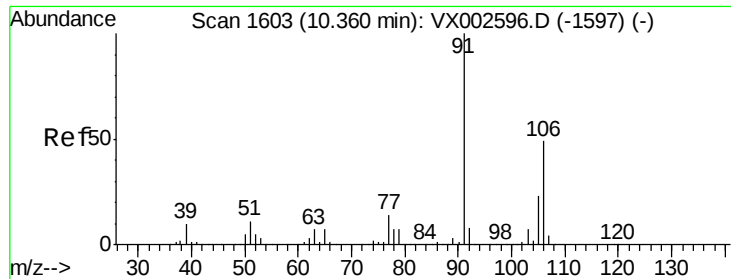
106 31.8 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





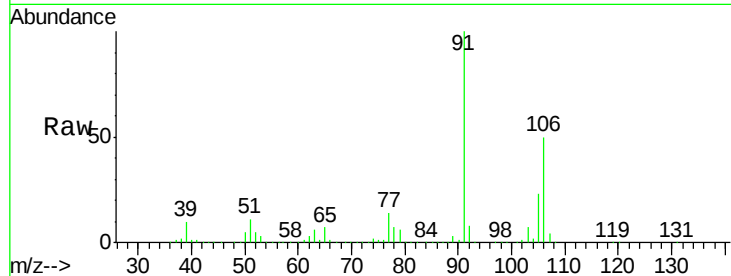
#68
m/p-Xylenes
Concen: 103.395 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MS

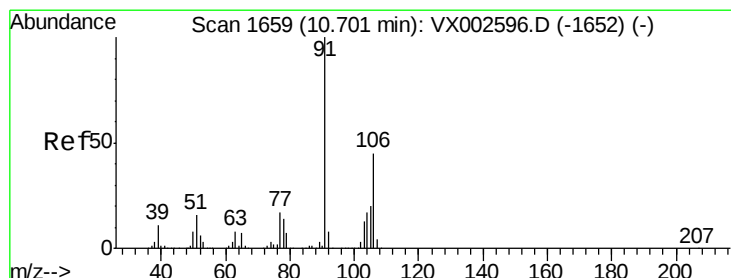
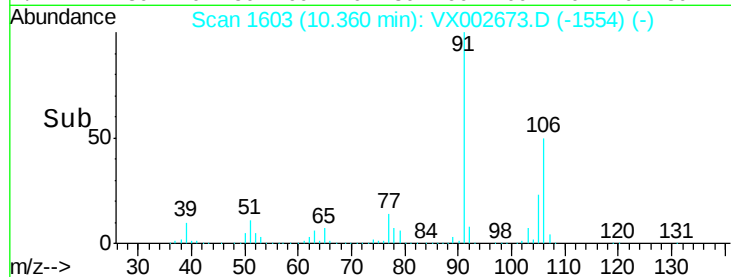
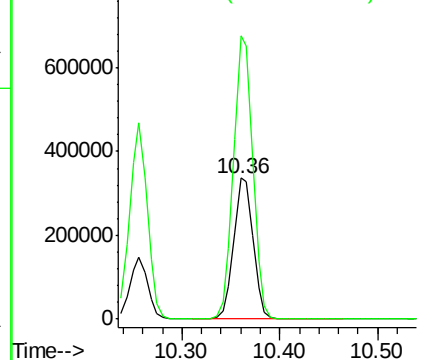
Tot Ion:106 Resp: 462118
Ion Ratio Lower Upper
106 100
91 200.7 163.4 245.2

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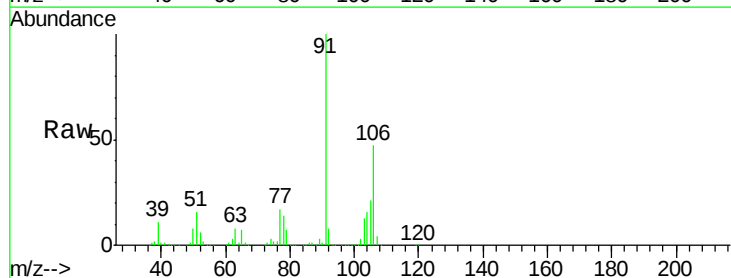


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

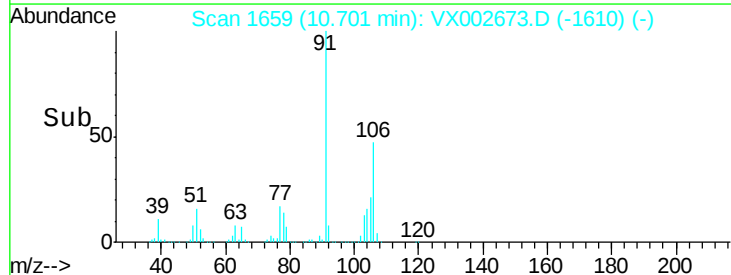
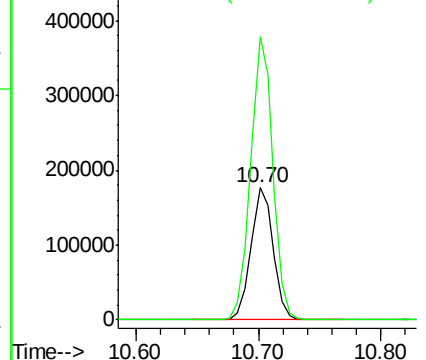


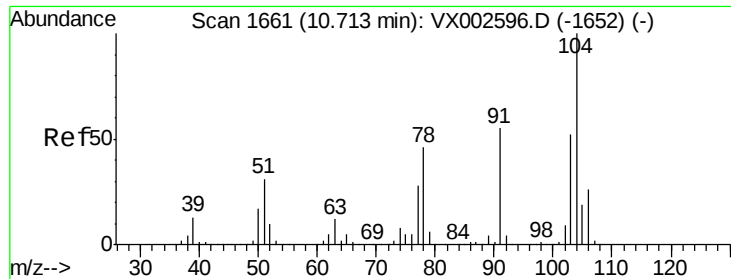
#69
o-Xylene
Concen: 50.905 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Tgt Ion:106 Resp: 223537
Ion Ratio Lower Upper
106 100
91 213.2 108.2 324.6



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





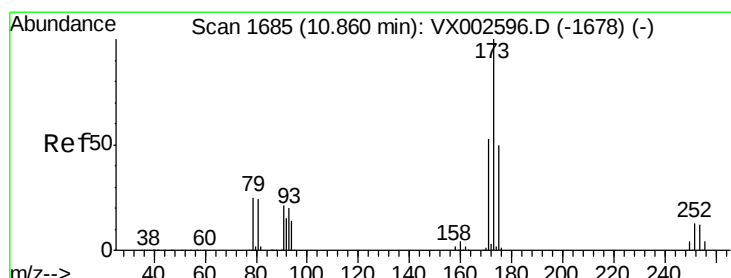
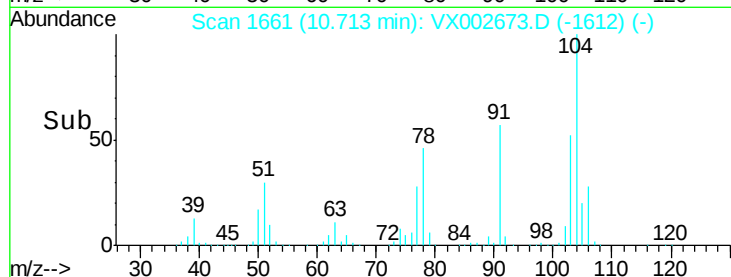
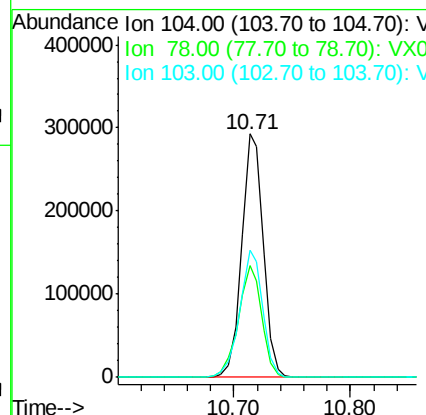
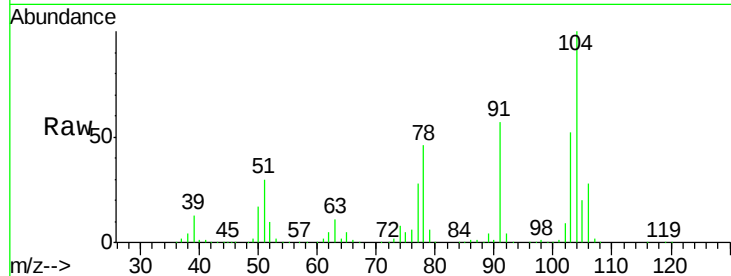
#70
Stvrene
Concen: 52.242 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.6	41.0	61.6
103	55.5	44.2	66.4

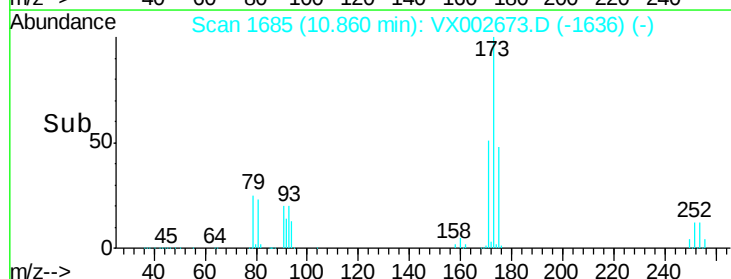
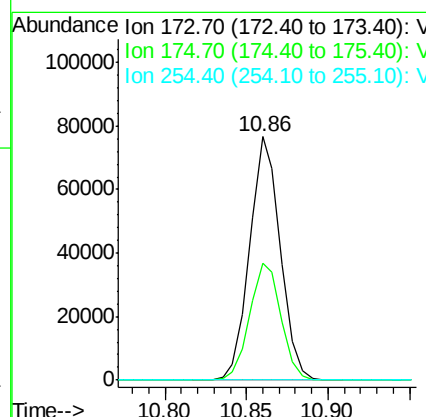
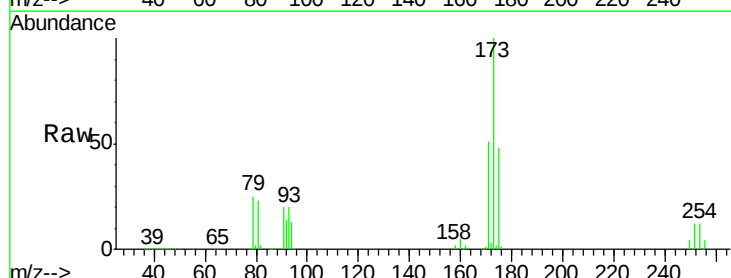
Manual Integrations
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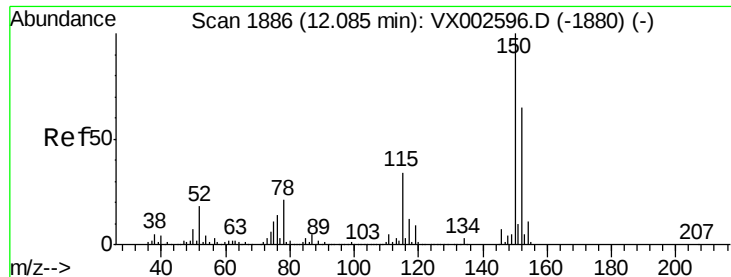
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#71
Bromoform
Concen: 47.260 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.7	74.1
254	0.2	0.2	0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MS

Tot Ion:152 Resp: 175220

Ion Ratio Lower Upper

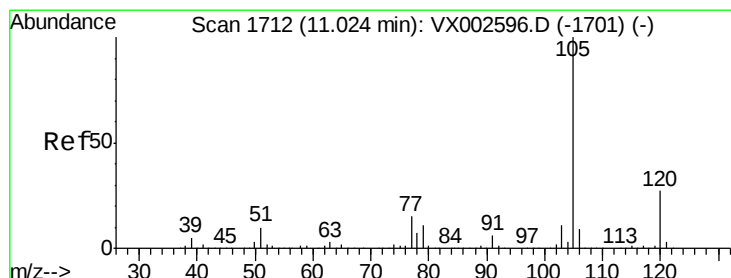
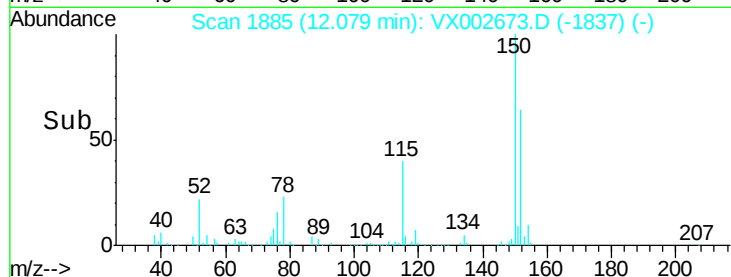
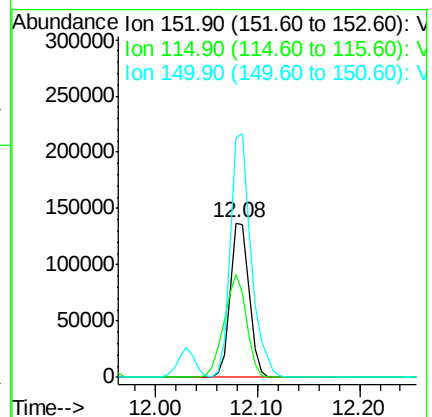
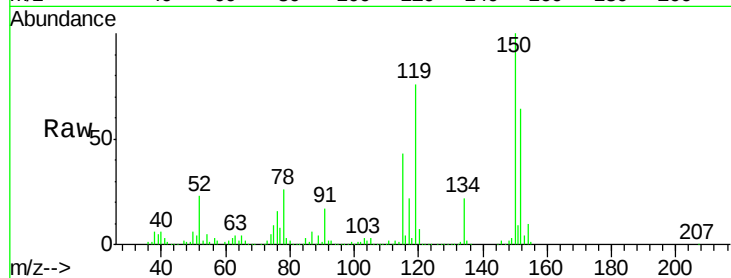
152 100

115 79.4 40.1 120.2

150 173.6 0.0 347.2

Manual Integrations
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#73

Isopropylbenzene

Concen: 51.227 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002673.D

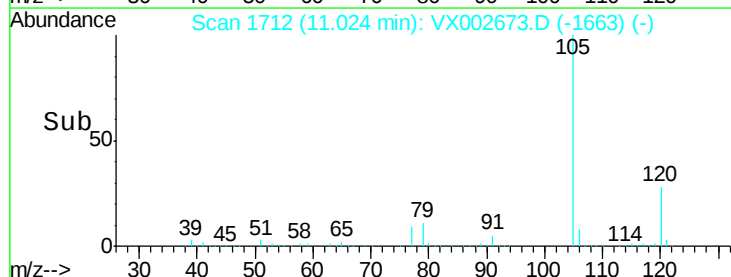
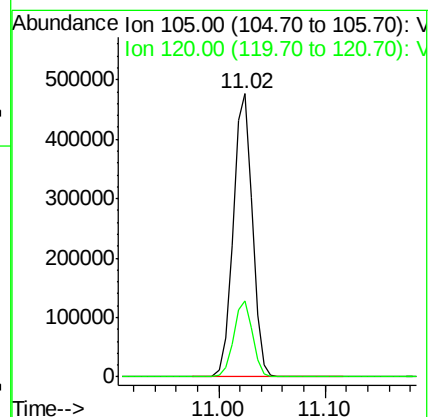
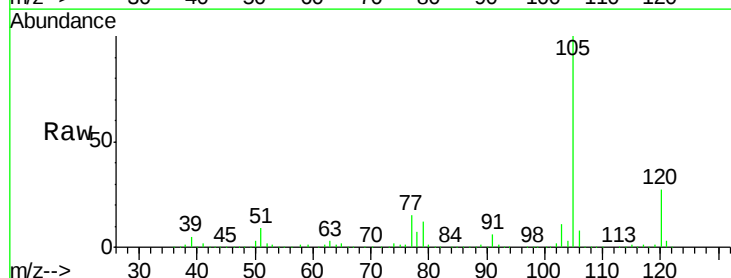
Acq: 17 Jun 2018 02:56

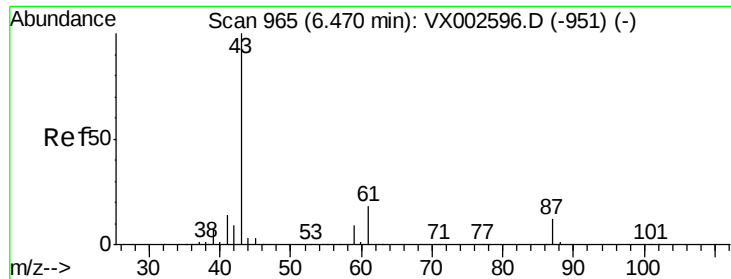
Tgt Ion:105 Resp: 600320

Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.4





#74

N-amvl acetate

Concen: 46.788 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

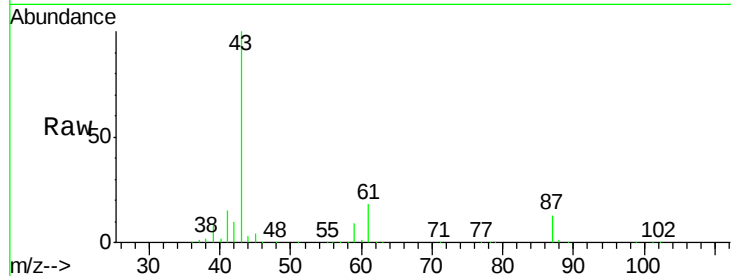
ClientSampleId :

MWHR2-6-061318MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		272423		
70	0.0	0.0	0.0		
55	0.1	0.0	0.0		
61	18.3	14.4	21.6		

Manual Integrations
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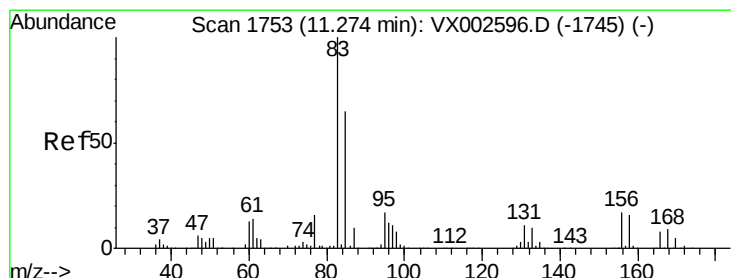
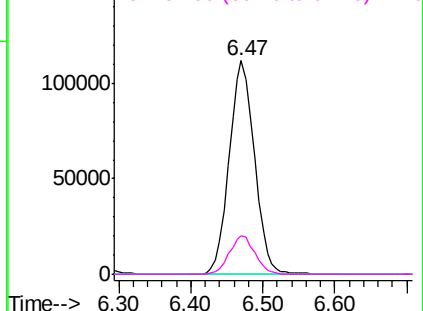
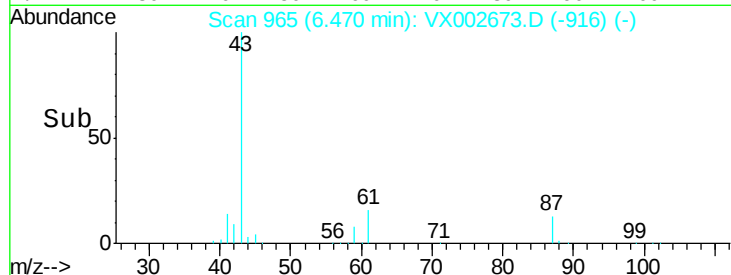


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 54.958 ug/l

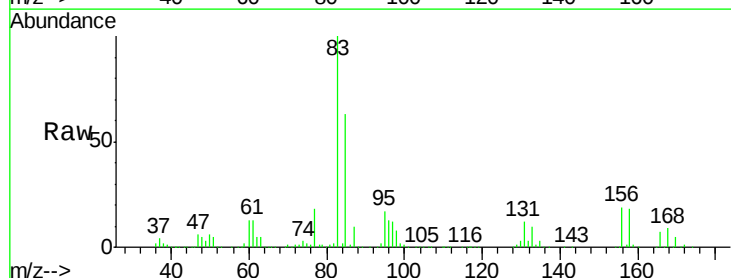
RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

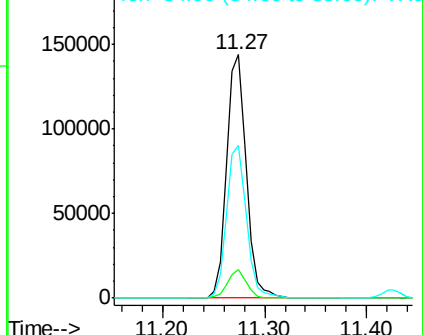
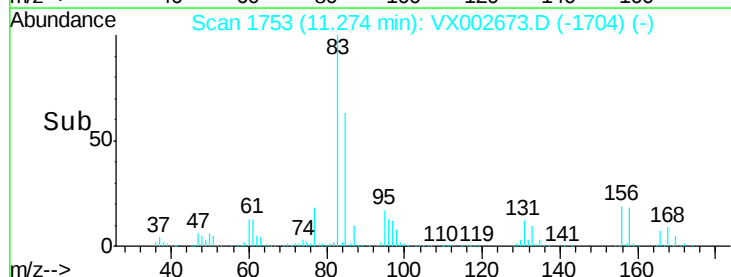
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		190192		
131	11.3	5.6	16.8		
85	63.6	32.4	97.2		

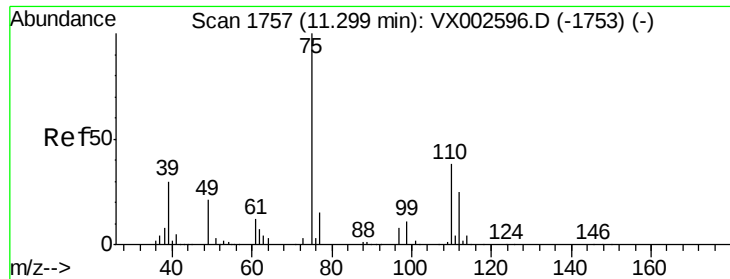


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





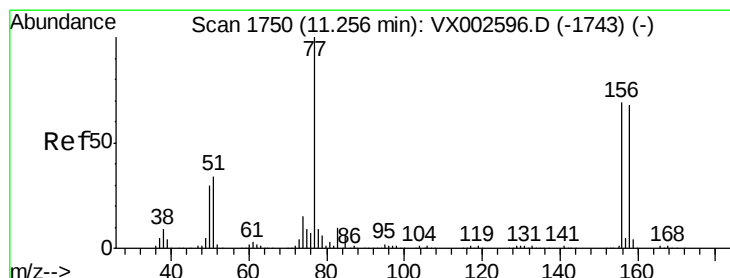
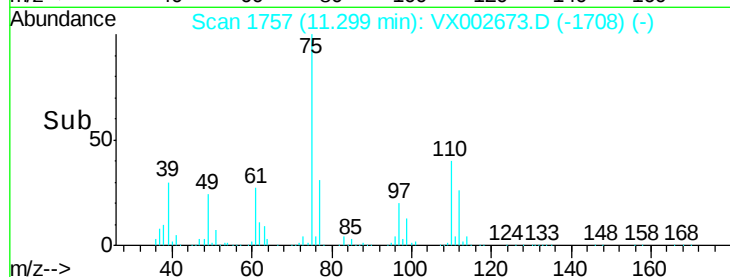
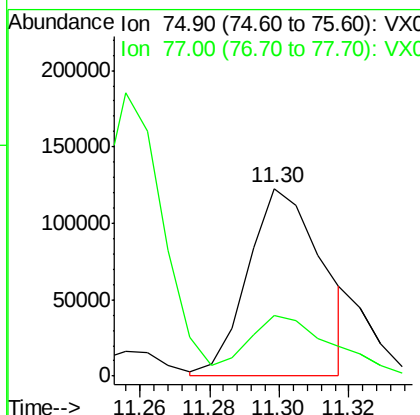
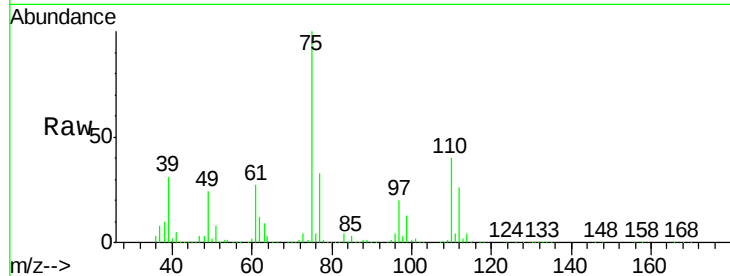
#76
 1,2,3-Trichloropropane
 Concen: 54.868 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VX002673.D
 Acq: 17 Jun 2018 02:56

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-061318MS

Tot Ion: 75 Resp: 181414
 Ion Ratio Lower Upper
 75 100
 77 37.0 22.8 68.3

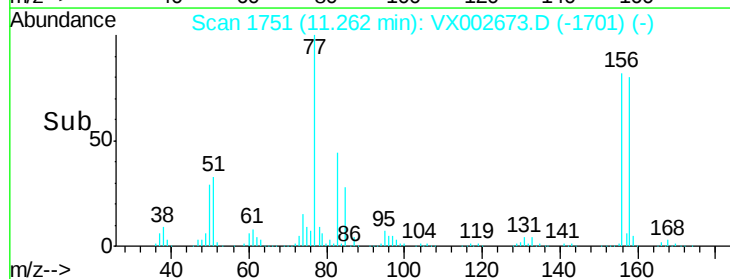
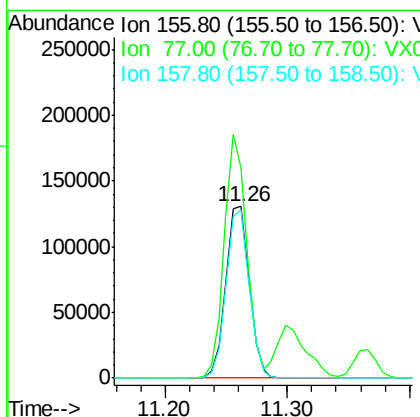
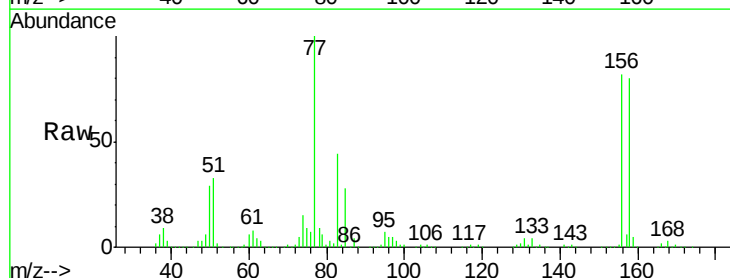
Manual Integrations
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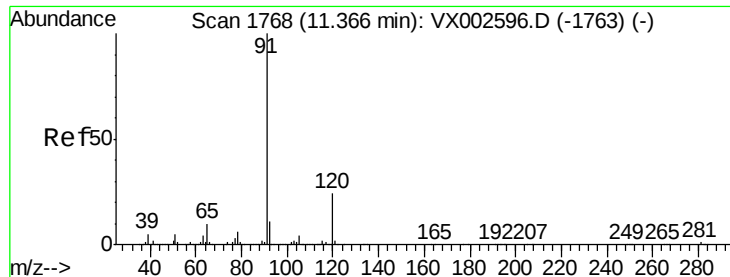
MMDadoda
 6/19/2018 1:04:54 PM



#77
 Bromobenzene
 Concen: 52.851 ug/l
 RT: 11.26 min Scan# 1751
 Delta R.T. 0.01 min
 Lab File: VX002673.D
 Acq: 17 Jun 2018 02:56

Tgt Ion: 156 Resp: 172547
 Ion Ratio Lower Upper
 156 100
 77 136.0 71.4 214.2
 158 96.5 48.9 146.6





#78

n-propylbenzene

Concen: 50.658 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MS

Tot Ion: 91 Resp: 680828

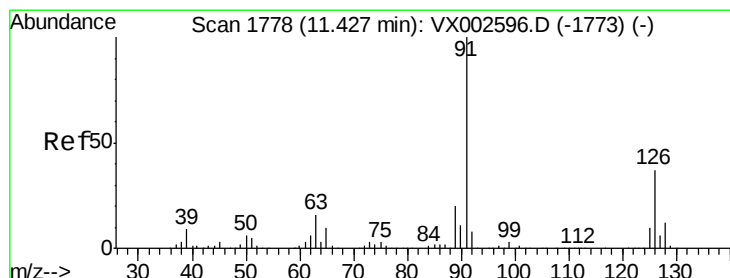
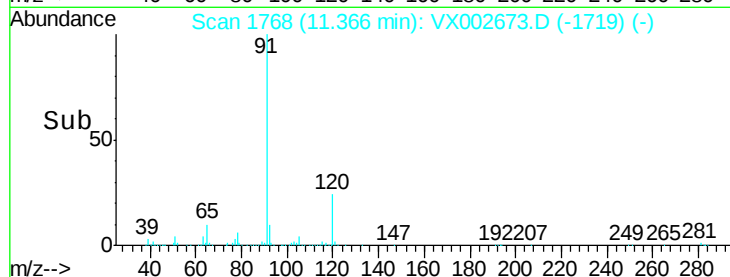
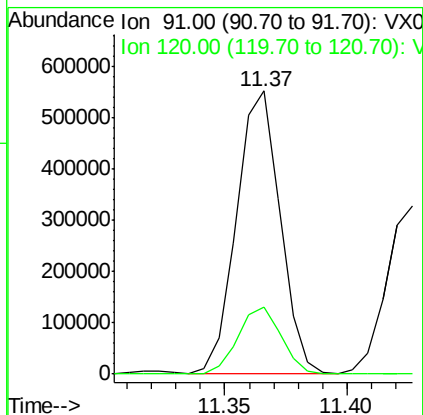
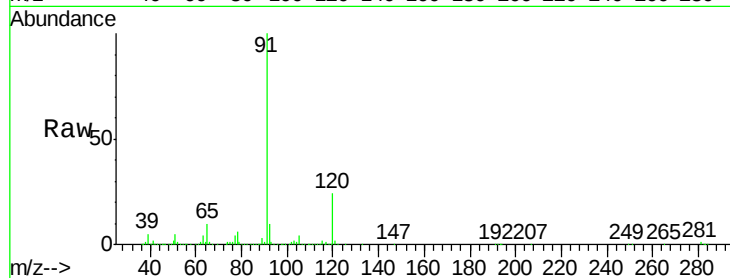
Ion Ratio Lower Upper

91 100

120 23.8 11.8 35.4

Manual Integrations
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#79

2-Chlorotoluene

Concen: 50.341 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002673.D

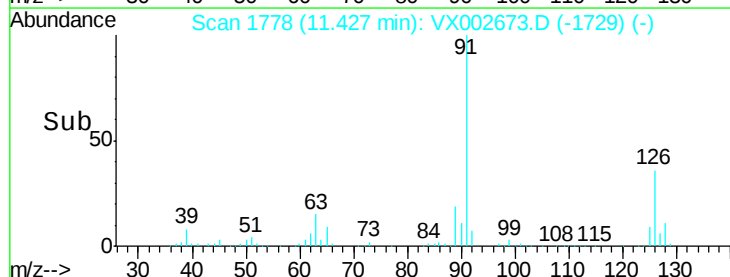
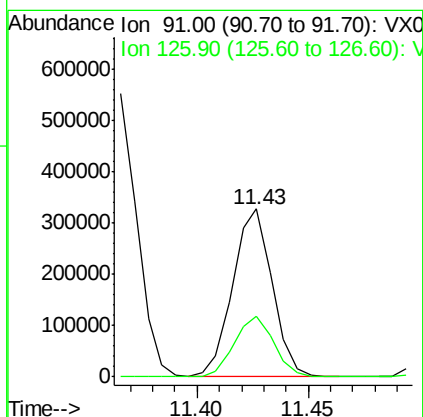
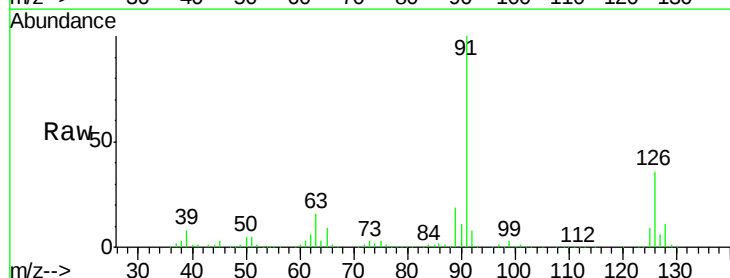
Acq: 17 Jun 2018 02:56

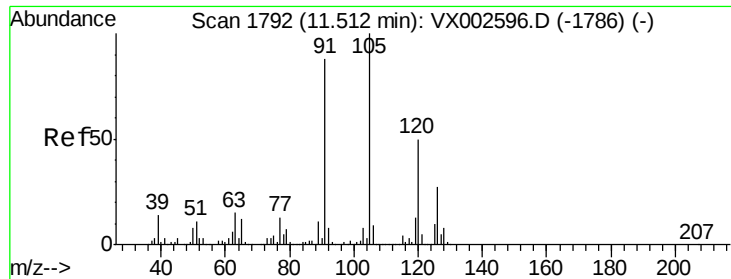
Tgt Ion: 91 Resp: 403952

Ion Ratio Lower Upper

91 100

126 36.2 17.7 53.1





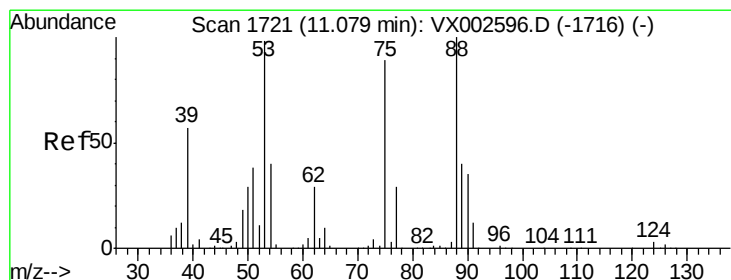
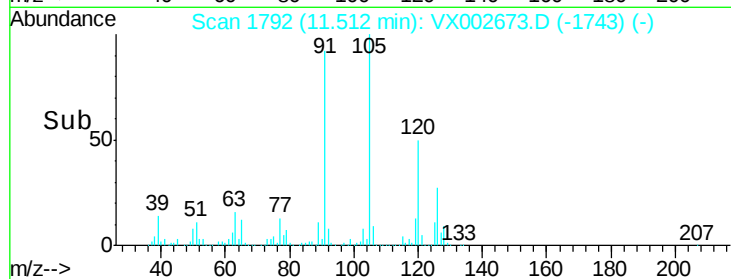
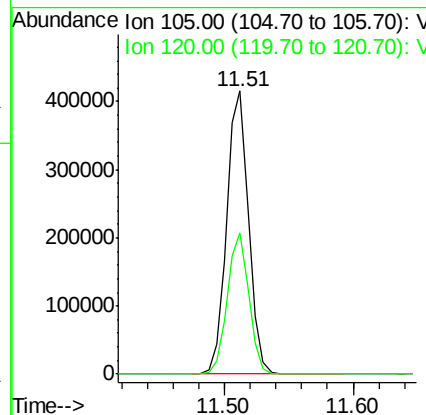
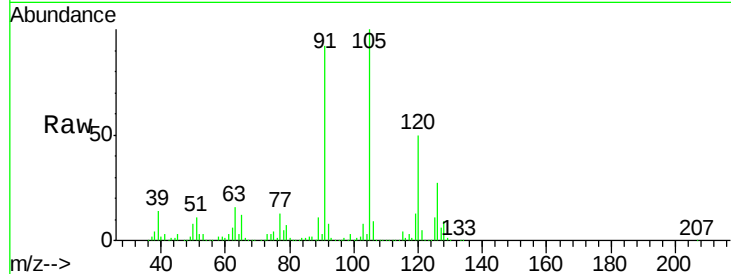
#80
 1,3,5-Trimethylbenzene
 Concen: 50.252 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX002673.D
 Acq: 17 Jun 2018 02:56

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-061318MS

Tot Ion: 105 Resp: 497680
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.4 73.4

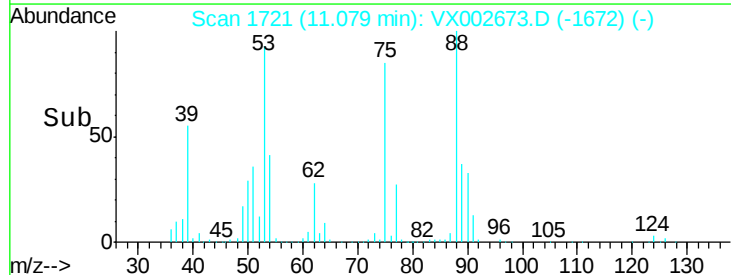
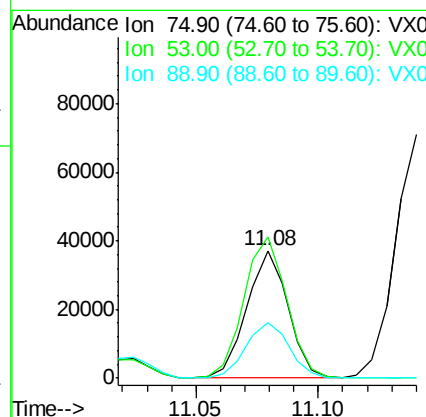
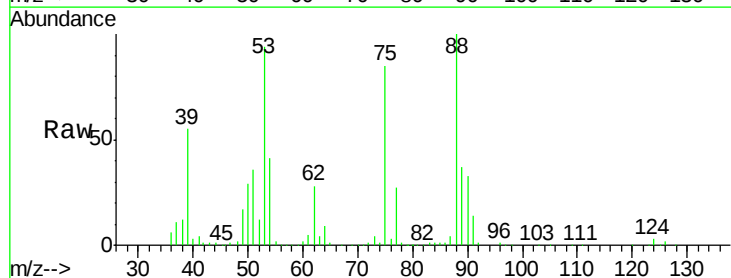
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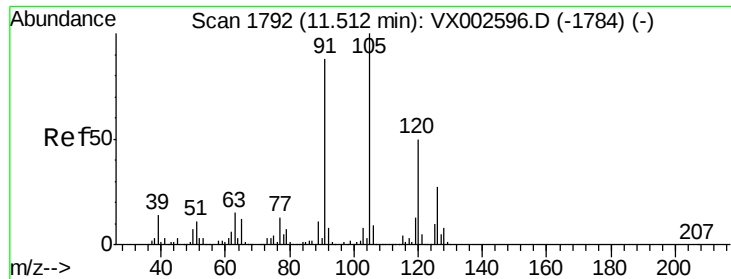
MMDadoda
 6/19/2018 1:04:54 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 43.016 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: VX002673.D
 Acq: 17 Jun 2018 02:56

Tgt Ion: 75 Resp: 43790
 Ion Ratio Lower Upper
 75 100
 53 114.3 86.8 130.2
 89 45.9 38.2 57.2





#82

4-Chlorotoluene

Concen: 51.168 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MS

Tot Ion: 91 Resp: 484475

Ion Ratio Lower Upper

91 100

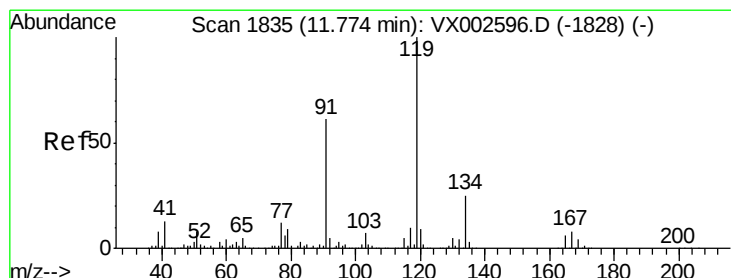
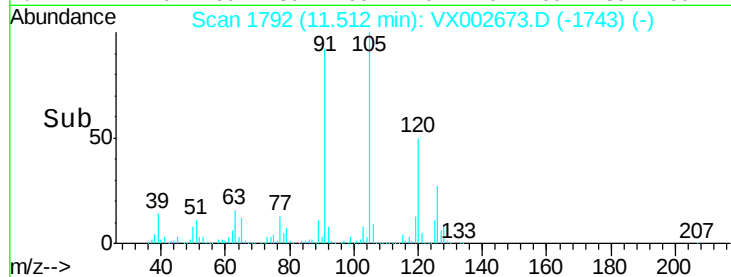
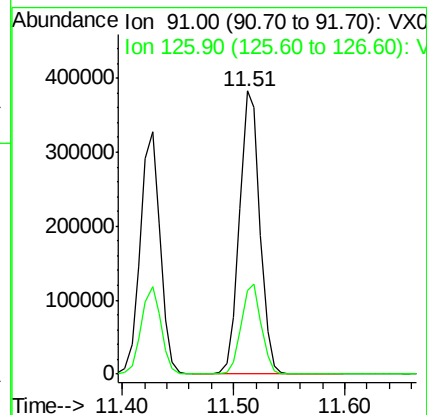
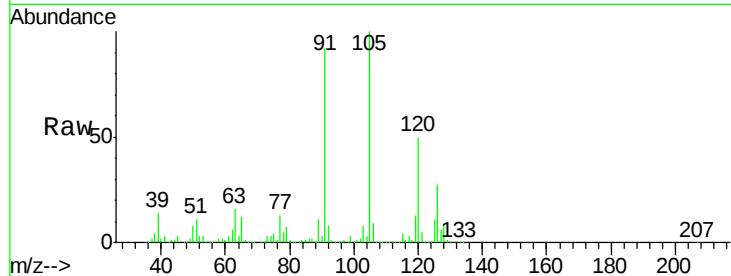
126 31.5 15.4 46.4

Manual Integrations

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#83

tert-Butylbenzene

Concen: 52.383 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

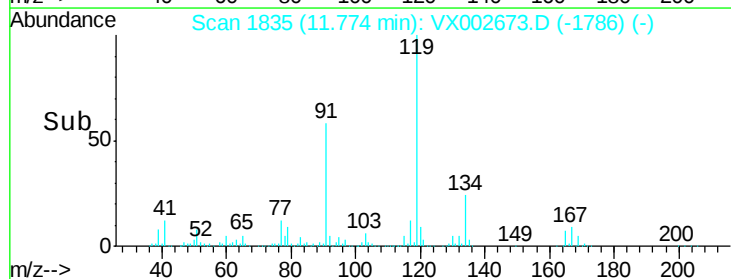
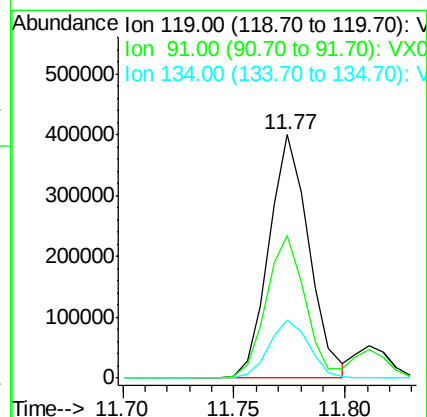
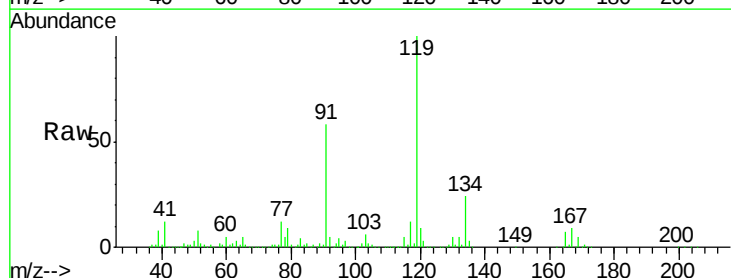
Tgt Ion: 119 Resp: 499769

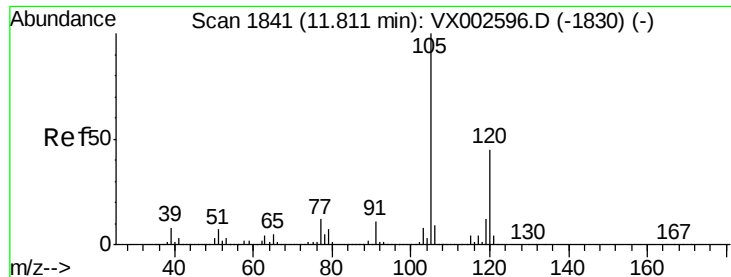
Ion Ratio Lower Upper

119 100

91 57.5 30.3 90.9

134 23.8 11.7 35.1





#84

1,2,4-Trimethylbenzene

Concen: 51.322 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MS

Tot Ion:105 Resp: 518643

Ion Ratio Lower Upper

105 100

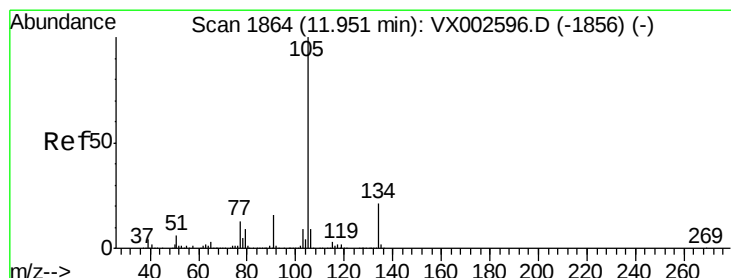
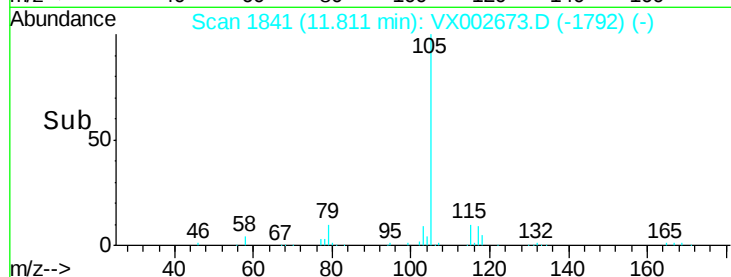
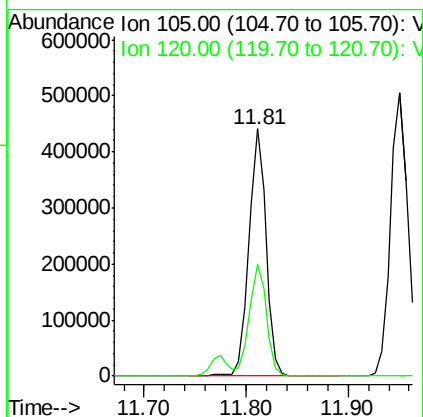
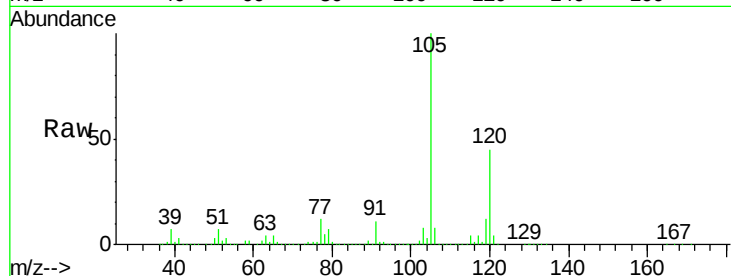
120 45.5 22.3 66.8

Manual Integrations

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#85

sec-Butylbenzene

Concen: 50.987 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002673.D

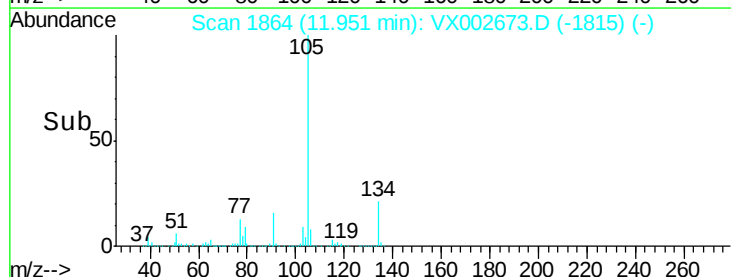
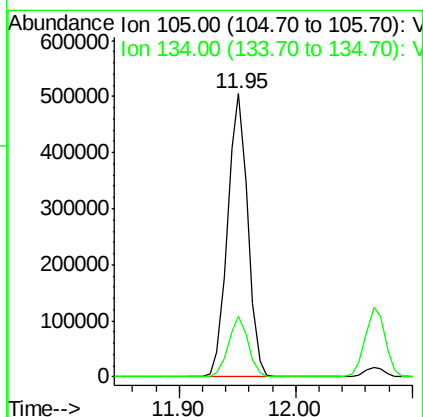
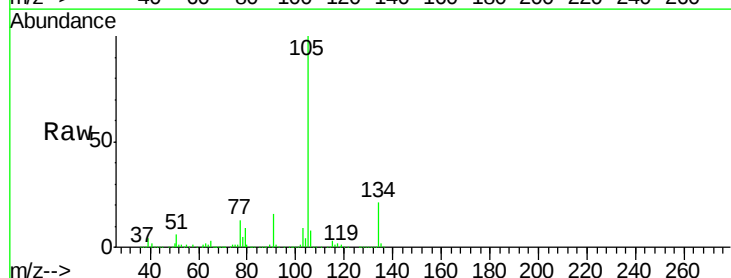
Acq: 17 Jun 2018 02:56

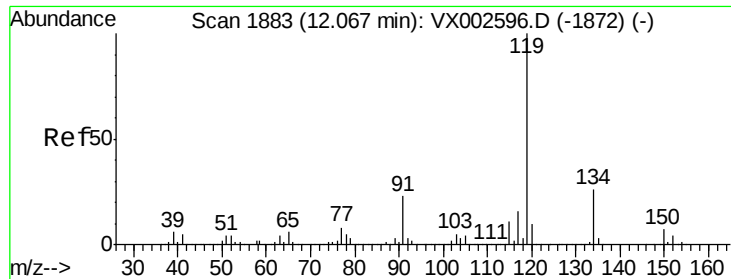
Tgt Ion:105 Resp: 604873

Ion Ratio Lower Upper

105 100

134 20.9 10.4 31.1





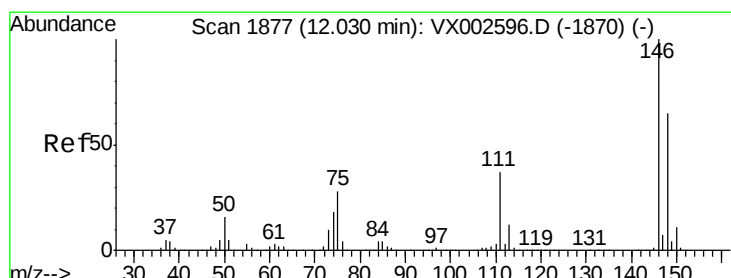
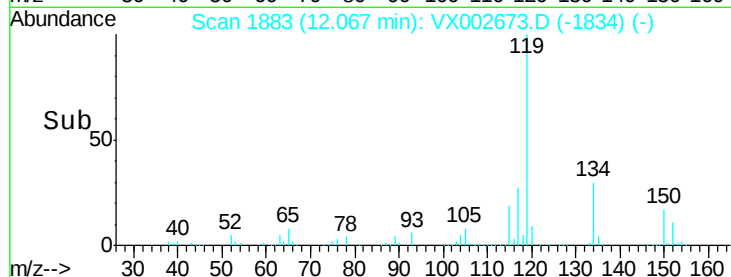
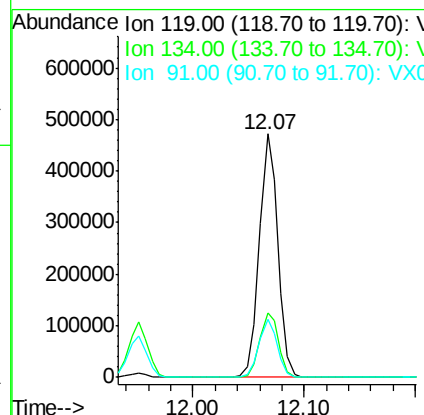
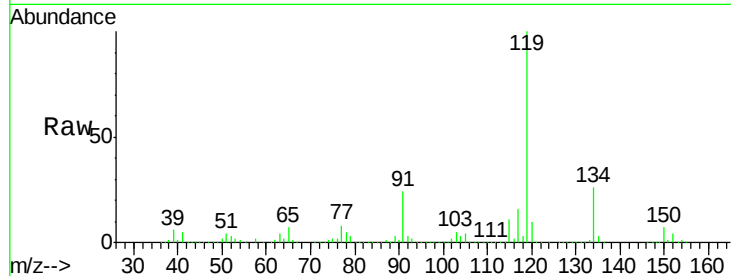
#86
p-Isopropyltoluene
Concen: 50.950 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	546896		
134	27.1		13.4	40.1
91	23.7		11.9	35.7

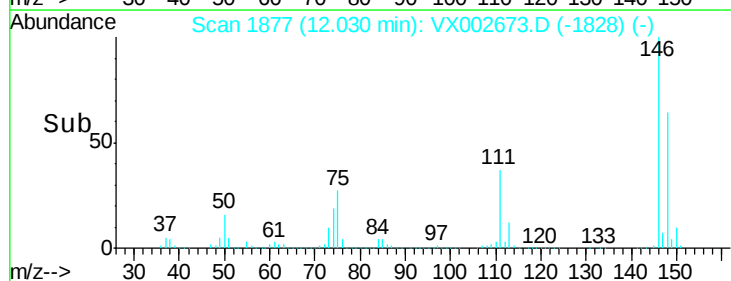
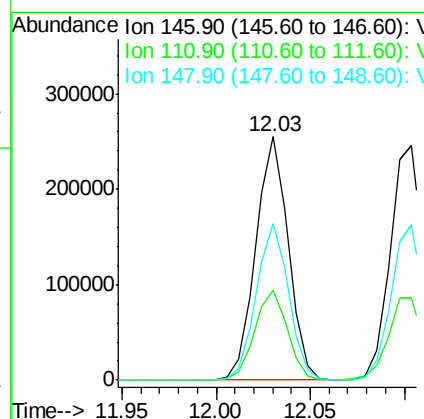
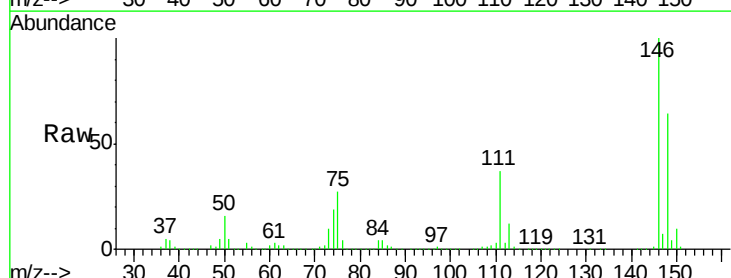
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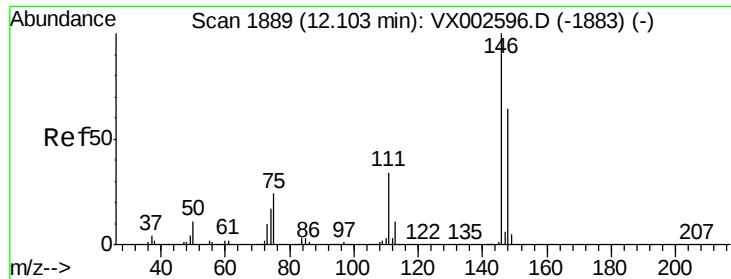
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#87
1,3-Dichlorobenzene
Concen: 50.958 ug/l
RT: 12.03 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	305102		
111	37.1		18.9	56.7
148	64.3		32.1	96.3





#88

1,4-Dichlorobenzene

Concen: 50.743 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

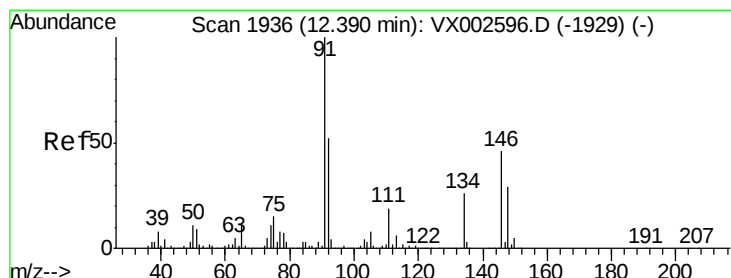
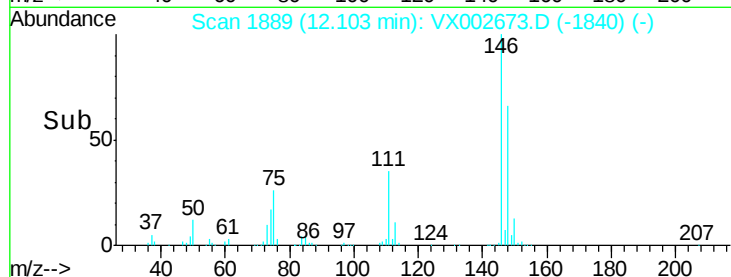
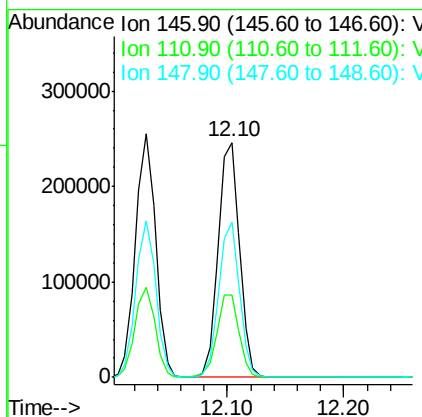
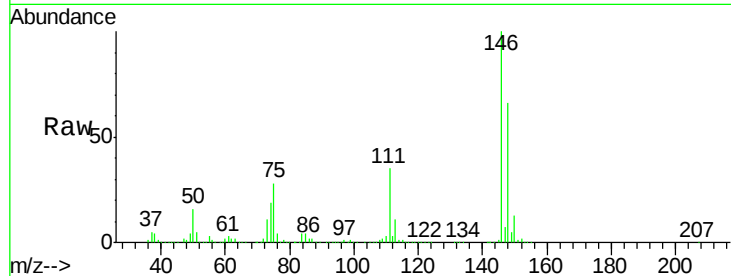
ClientSampleId :

MWHR2-6-061318MS

Tot Ion:	146	Resp:	309130
Ion Ratio		Lower	Upper
146	100		
111	36.1	18.7	56.1
148	64.6	32.4	97.0

Manual Integrations
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#89

n-Butylbenzene

Concen: 50.096 ug/l

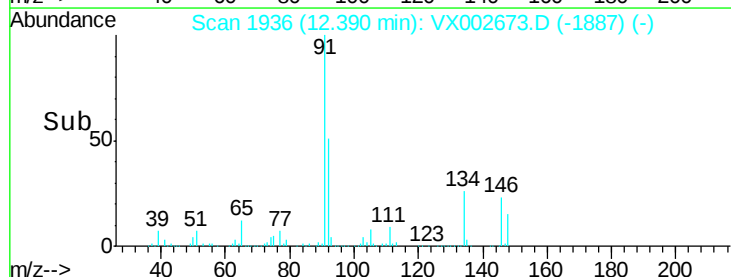
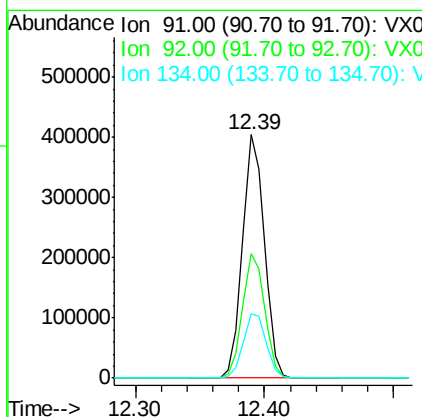
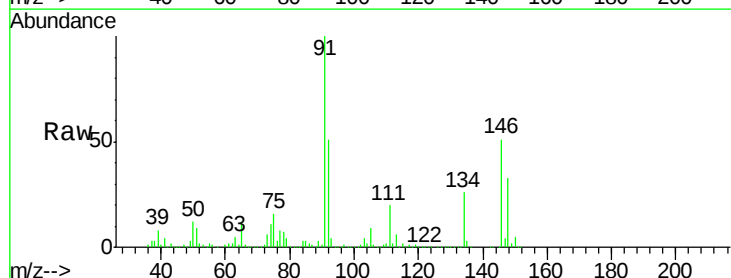
RT: 12.39 min Scan# 1936

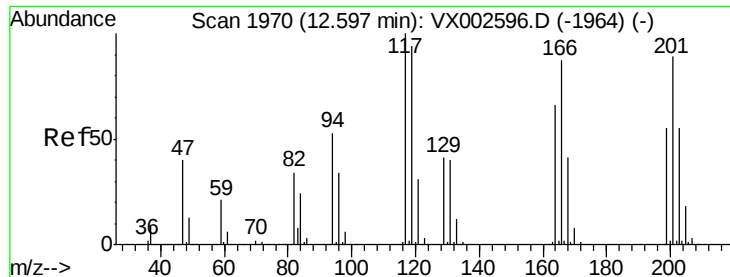
Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Tgt Ion:	91	Resp:	474365
Ion Ratio		Lower	Upper
91	100		
92	51.8	26.0	78.0
134	27.5	13.5	40.5





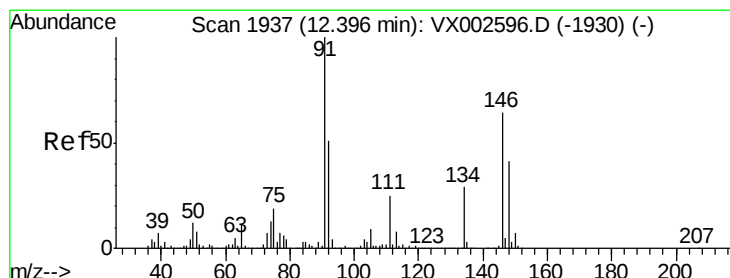
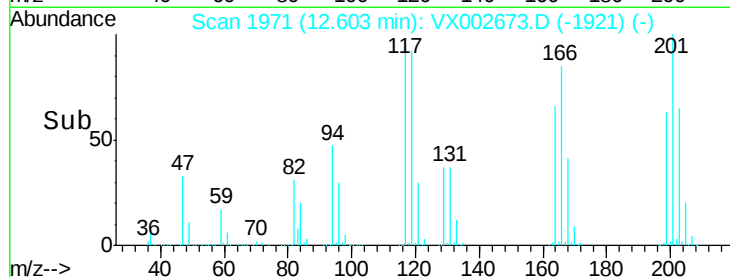
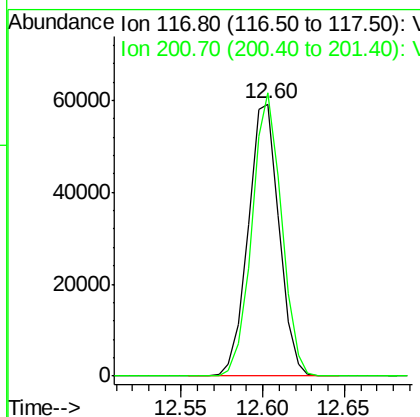
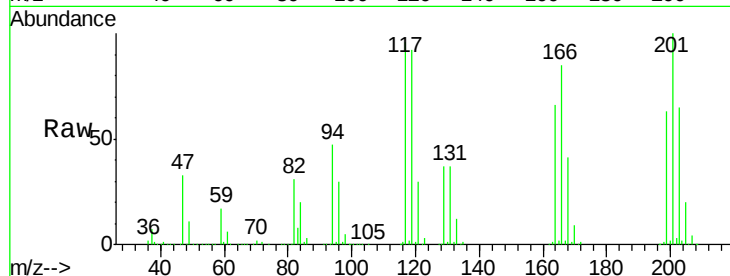
#90
Hexachloroethane
Concen: 46.982 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.01 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MS

Tot Ion:117 Resp: 78331
Ion Ratio Lower Upper
117 100
201 99.0 49.0 147.0

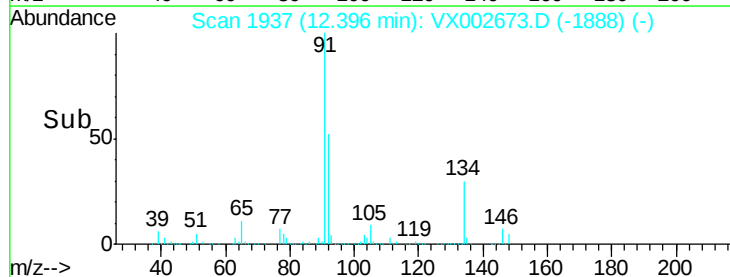
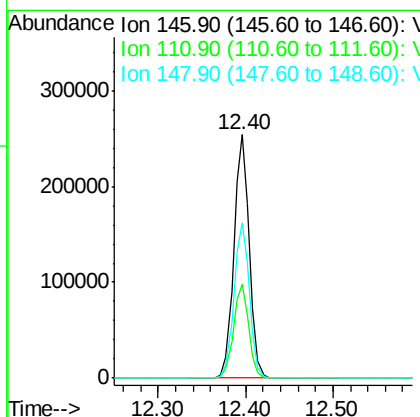
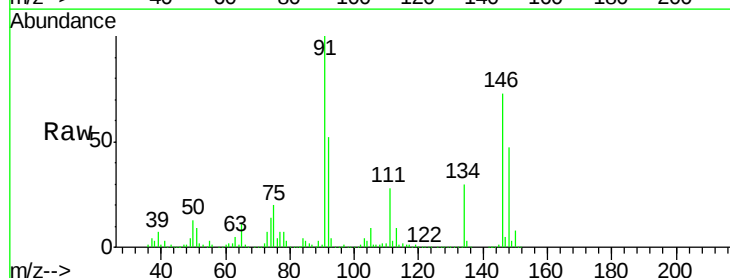
Manual Integrations
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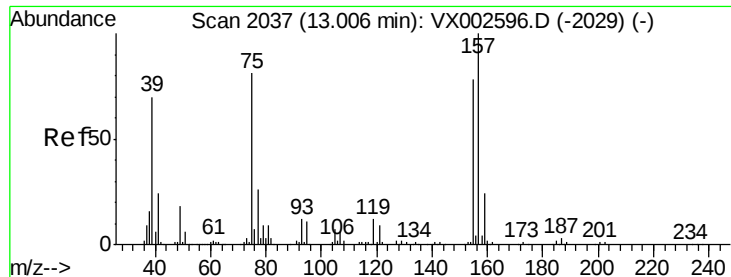
MMDadoda
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#91
1,2-Dichlorobenzene
Concen: 51.629 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Tgt Ion:146 Resp: 311121
Ion Ratio Lower Upper
146 100
111 38.1 19.4 58.1
148 64.6 31.7 95.1





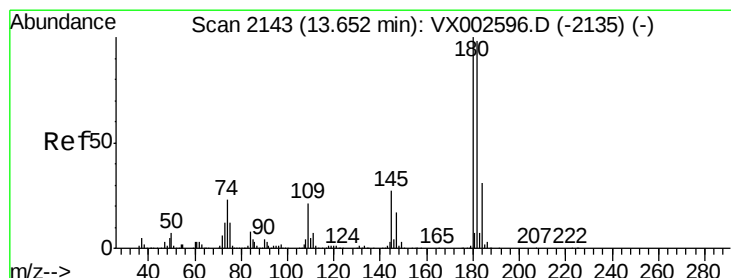
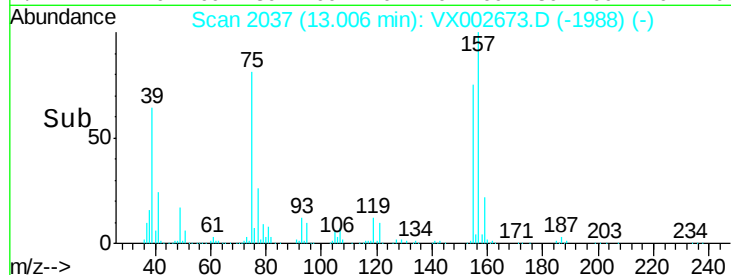
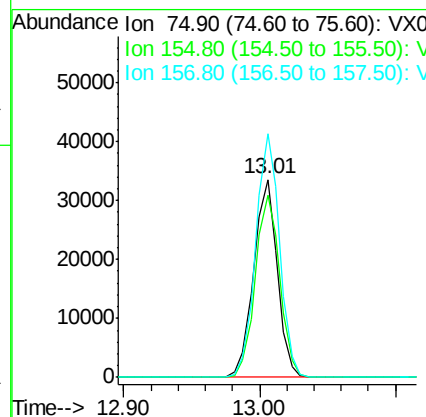
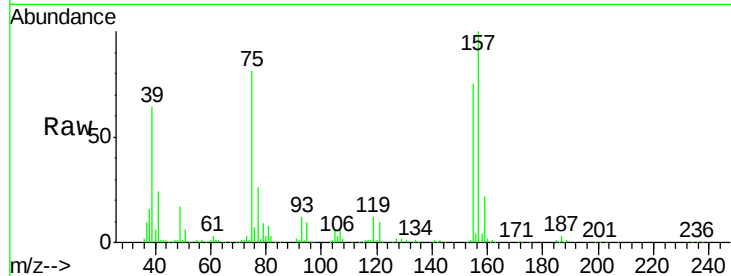
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.558 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX002673.D
 Acq: 17 Jun 2018 02:56

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-061318MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	95.2	45.8	137.4
157	124.3	60.1	180.3

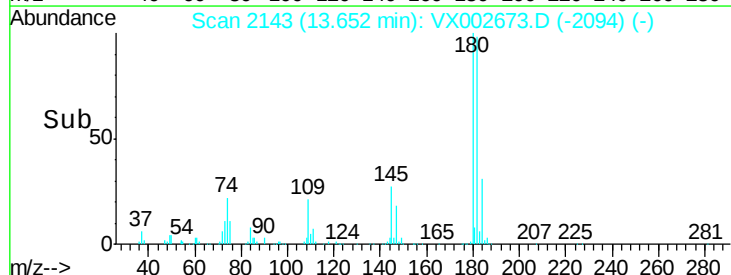
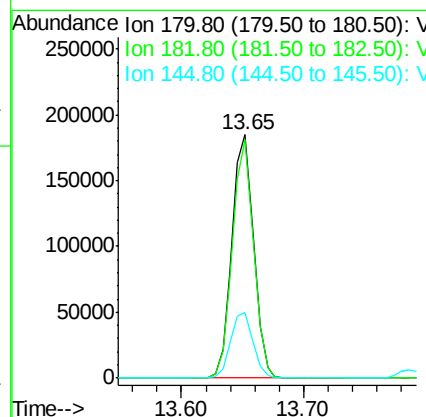
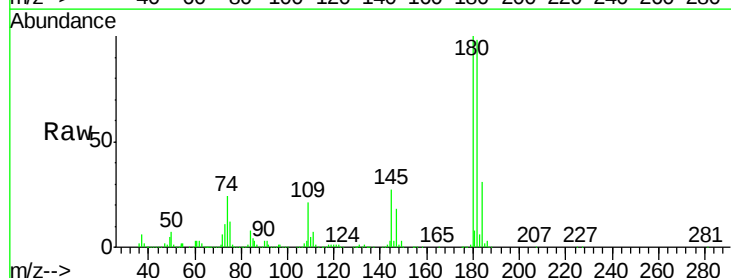
Manual Integrations
 APPROVED

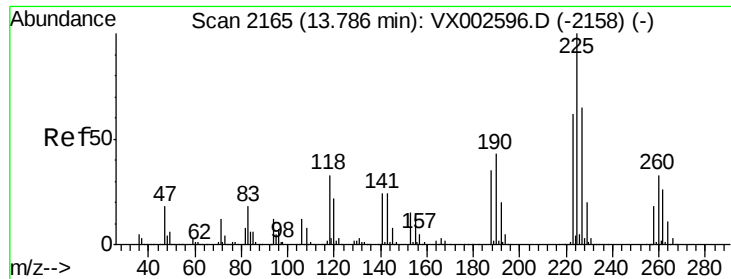
MMDadoda
 6/19/2018 1:04:54 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 51.392 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002673.D
 Acq: 17 Jun 2018 02:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.7	143.1
145	27.9	14.1	42.4





#94

Hexachlorobutadiene

Concen: 47.262 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MS

Tot Ion:225 Resp: 108885

Ion Ratio Lower Upper

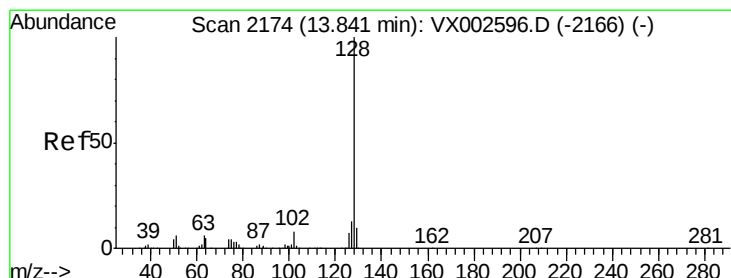
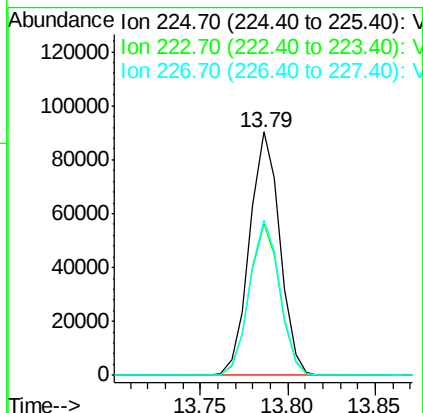
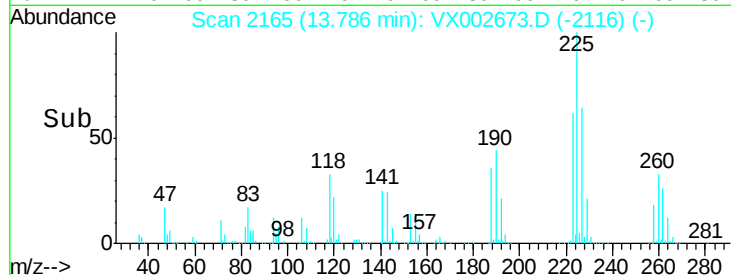
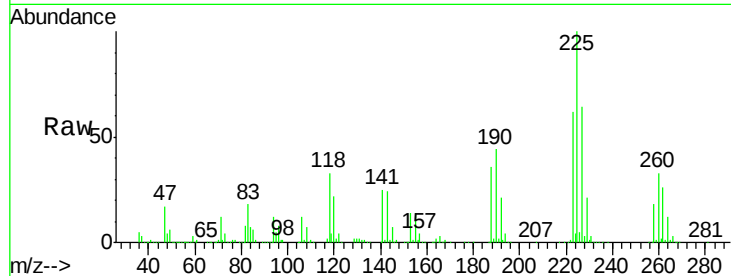
225 100

223 62.2 31.6 95.0

227 64.2 32.4 97.2

Manual Integrations
APPROVED

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6/19/2018 1:04:54 PM



#95

Naphthalene

Concen: 53.956 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

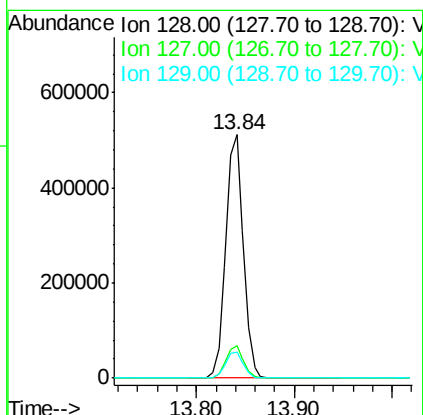
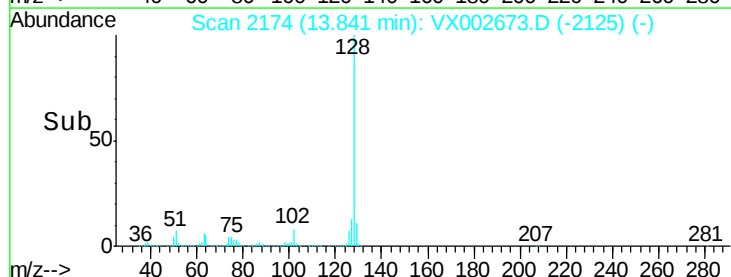
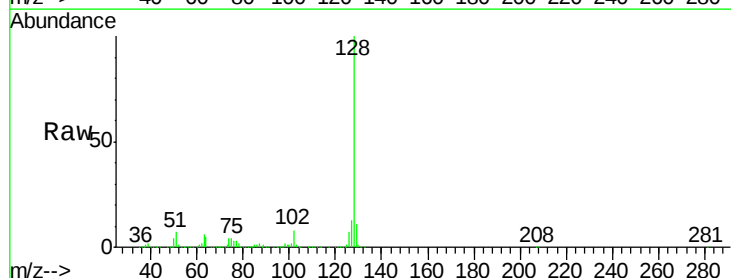
Tgt Ion:128 Resp: 634993

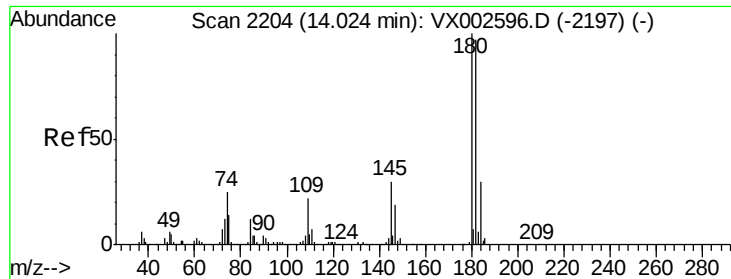
Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 10.8 8.6 13.0





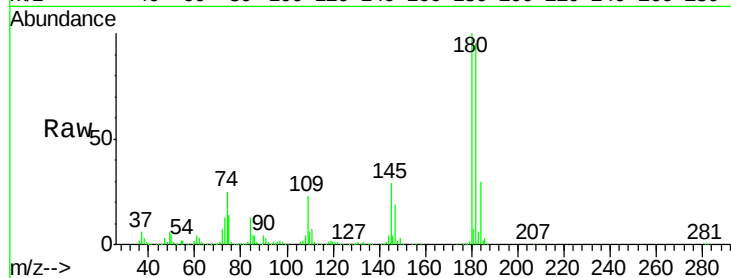
#96
 1,2,3-Trichlorobenzene
 Concen: 51.565 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VX002673.D
 Acq: 17 Jun 2018 02:56

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-061318MS

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.1	48.0	144.0
145	29.2	14.8	44.3

Manual Integrations
 APPROVED

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

