

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061218\
 Data File : VX002484.D
 Acq On : 12 Jun 2018 23:58
 Operator : JC/MD
 Sample : VX0612WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBS02

Manual Integrations
 APPROVED

MMDadoda
 6/13/2018 1:59:40 PM

Quant Time: Jun 13 03:39:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	202408	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	299326	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	286234	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	174119	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	137896	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	
35) Dibromofluoromethane	5.51	113	103623	44.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.04%	
50) Toluene-d8	8.72	98	396294	43.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.84%	
62) 4-Bromofluorobenzene	11.14	95	145449	41.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.62%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	39896	18.961	ug/l	100
3) Chloromethane	1.32	50	46785	17.542	ug/l	99
4) Vinyl Chloride	1.40	62	53530	20.186	ug/l	98
5) Bromomethane	1.64	94	31057	18.599	ug/l	98
6) Chloroethane	1.73	64	37175	21.672	ug/l	99
7) Trichlorofluoromethane	1.93	101	92017	22.774	ug/l	99
8) Diethyl Ether	2.19	74	32757	21.446	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	51140	23.455	ug/l	99
10) Methyl Iodide	2.51	142	47146	15.373	ug/l	98
11) Tert butyl alcohol	3.07	59	72528	111.283	ug/l	99
12) 1,1-Dichloroethene	2.37	96	45604	21.164	ug/l	97
13) Acrolein	2.29	56	23930	76.495	ug/l	97
14) Allyl chloride	2.73	41	90418	19.336	ug/l	99
15) Acrylonitrile	3.15	53	148843	115.620	ug/l	99
16) Acetone	2.45	43	143366	103.971	ug/l	99
17) Carbon Disulfide	2.57	76	96343	16.964	ug/l	98
18) Methyl Acetate	2.78	43	72220	23.474	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	177472	22.329	ug/l	100
20) Methylene Chloride	2.86	84	53018	21.596	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	48988	20.616	ug/l	95
22) Diisopropyl ether	3.88	45	158180	19.336	ug/l	97
23) Vinyl Acetate	3.83	43	668212	88.147	ug/l	99
24) 1,1-Dichloroethane	3.70	63	97858	21.173	ug/l	98
25) 2-Butanone	4.71	43	184868	93.151	ug/l	97
26) 2,2-Dichloropropane	4.59	77	50088	13.864	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	47851	18.517	ug/l	97
28) Bromochloromethane	5.03	49	41611	18.959	ug/l	99
29) Tetrahydrofuran	5.17	42	120561	94.221	ug/l	100
30) Chloroform	5.22	83	86577	19.413	ug/l	97
31) Cyclohexane	5.58	56	69348	18.975	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	72439	19.152	ug/l	99
36) 1,1-Dichloropropene	5.81	75	60151	19.115	ug/l	99
37) Ethyl Acetate	4.87	43	71939	19.010	ug/l	99
38) Carbon Tetrachloride	5.79	117	63464	19.278	ug/l	100

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Quant Time: Jun 13 03:39:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	69568	18.063	ug/l	94
40) Benzene	6.15	78	182495	18.914	ug/l	100
41) Methacrylonitrile	5.07	41	40281	18.594	ug/l	98
42) 1,2-Dichloroethane	6.20	62	74555	19.449	ug/l	99
43) Isopropyl Acetate	6.47	43	116962	18.196	ug/l	100
44) Trichloroethene	7.22	130	51245	19.137	ug/l	97
45) 1,2-Dichloropropane	7.52	63	49368	18.953	ug/l	99
46) Dibromomethane	7.67	93	33821	19.154	ug/l	96
47) Bromodichloromethane	7.90	83	58633	18.360	ug/l	98
48) Methyl methacrylate	7.78	41	59407	18.400	ug/l	97
49) 1,4-Dioxane	7.76	88	24136	399.805	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	389466	97.297	ug/l	100
52) Toluene	8.79	92	117490	19.146	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	65017	16.977	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	59593	16.493	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	49563	19.637	ug/l	97
56) Ethyl methacrylate	9.18	69	73197	18.165	ug/l	98
57) 1,3-Dichloropropane	9.38	76	81540	19.257	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	182829	98.031	ug/l	100
59) 2-Hexanone	9.50	43	300088	97.059	ug/l	100
60) Dibromochloromethane	9.59	129	45379	17.875	ug/l	100
61) 1,2-Dibromoethane	9.68	107	50498	19.189	ug/l	99
64) Tetrachloroethene	9.34	164	56411	19.109	ug/l	96
65) Chlorobenzene	10.14	112	137716	19.336	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	47777	18.526	ug/l	99
67) Ethyl Benzene	10.26	91	231522	19.424	ug/l	98
68) m/p-Xylenes	10.36	106	177769	38.367	ug/l	100
69) o-Xylene	10.70	106	86711	18.806	ug/l	98
70) Styrene	10.71	104	142021	18.841	ug/l	98
71) Bromoform	10.86	173	33131	16.810	ug/l #	99
73) Isopropylbenzene	11.02	105	238930	19.726	ug/l	99
74) N-amyl acetate	6.47	43	116962	17.921	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	74772	19.627	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	72387m	18.946	ug/l	
77) Bromobenzene	11.26	156	64471	18.959	ug/l	100
78) n-propylbenzene	11.37	91	271207	20.145	ug/l	100
79) 2-Chlorotoluene	11.43	91	161170	18.959	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	198601	19.116	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	14787	13.567	ug/l #	81
82) 4-Chlorotoluene	11.51	91	187588	19.118	ug/l	99
83) tert-Butylbenzene	11.77	119	195952	19.369	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	205726	19.237	ug/l	99
85) sec-Butylbenzene	11.95	105	244967	20.654	ug/l	99
86) p-Isopropyltoluene	12.07	119	213106	19.726	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	117555	19.334	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	118823	18.960	ug/l	100
89) n-Butylbenzene	12.39	91	183628	20.267	ug/l	100
90) Hexachloroethane	12.60	117	29746	17.249	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	121870	19.373	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	14971	17.971	ug/l	97

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ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS02

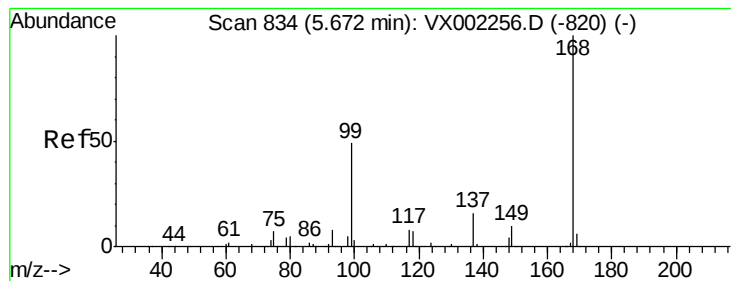
Manual Integrations
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6/13/2018 1:59:40 PM

Quant Time: Jun 13 03:39:01 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	82426	18.686	ug/l	98
94) Hexachlorobutadiene	13.79	225	45190	20.732	ug/l	98
95) Naphthalene	13.84	128	241893	19.086	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	86282	19.180	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002484.D

Acq: 12 Jun 2018 23:58

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS02

Tot Ion:168 Resp: 202408

Ion Ratio Lower Upper

168 100

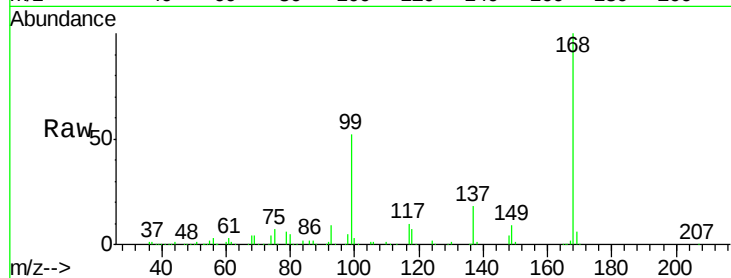
99 51.9 39.3 58.9

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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

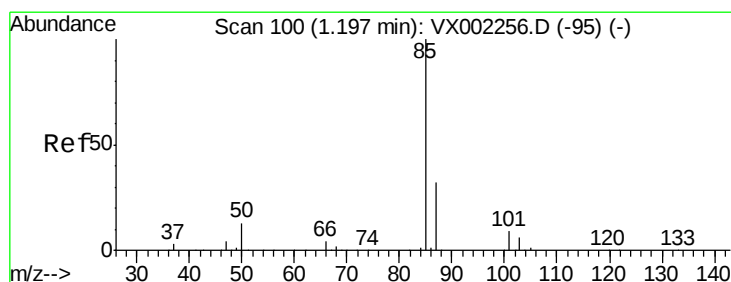
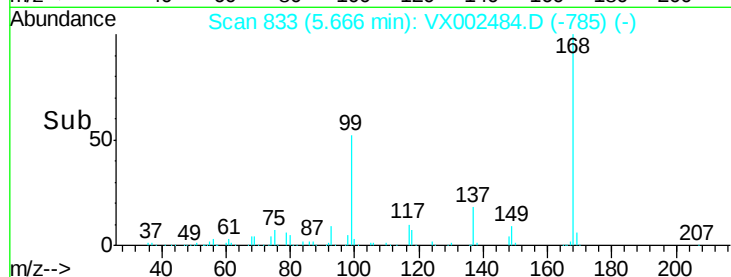
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.961 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002484.D

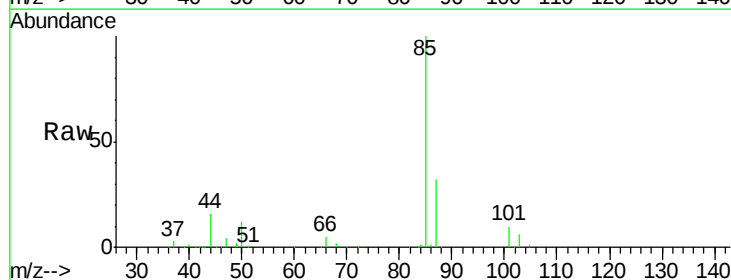
Acq: 12 Jun 2018 23:58

Tgt Ion: 85 Resp: 39896

Ion Ratio Lower Upper

85 100

87 32.0 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

40000

30000

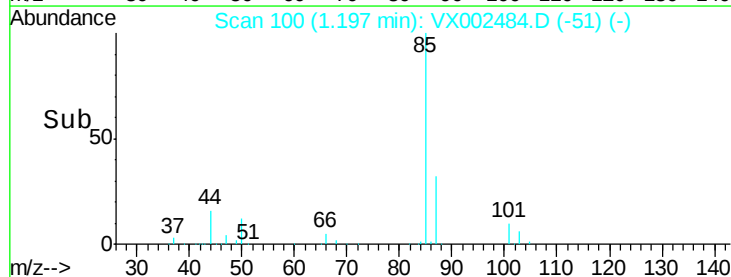
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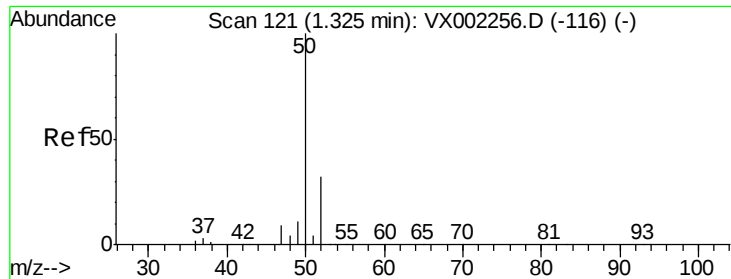
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 17.542 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002484.D

Acq: 12 Jun 2018 23:58

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS02

Tot Ion: 50 Resp: 46785

Ion Ratio Lower Upper

50 100

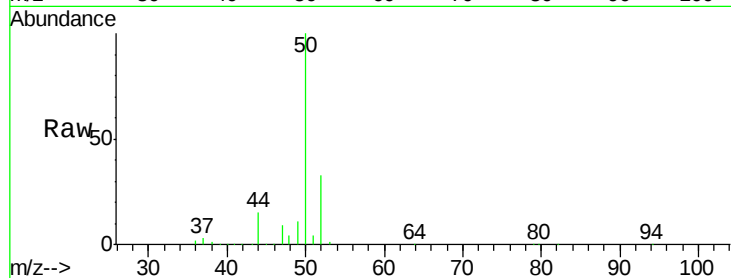
52 32.8 25.7 38.5

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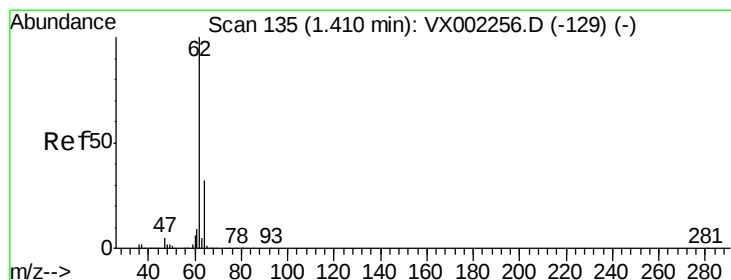
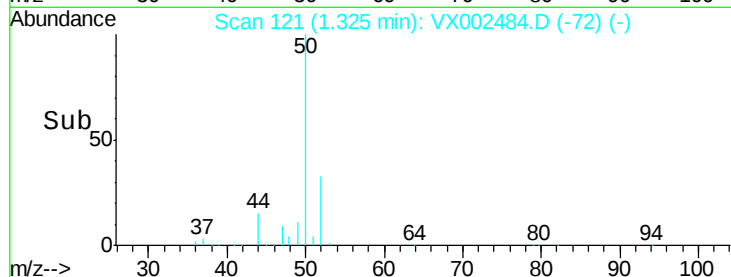
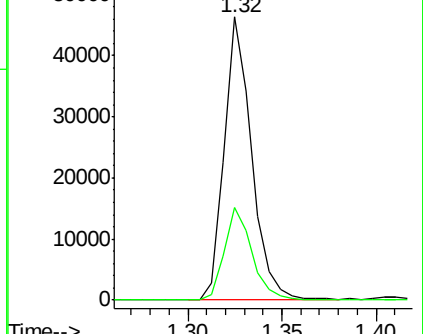
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.186 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX002484.D

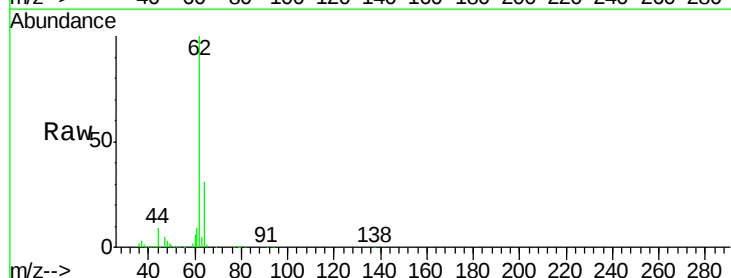
Acq: 12 Jun 2018 23:58

Tgt Ion: 62 Resp: 53530

Ion Ratio Lower Upper

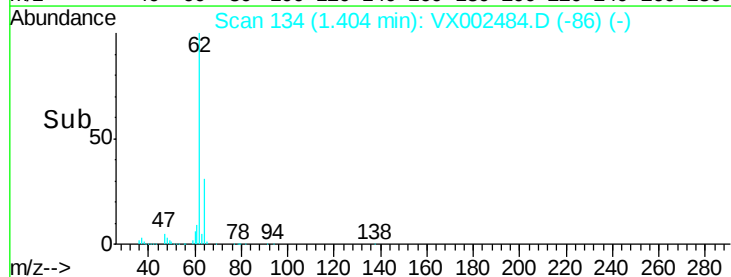
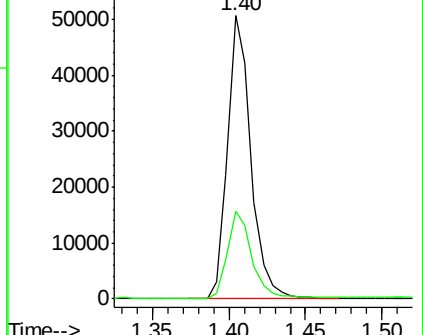
62 100

64 30.9 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.599 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002484.D

Acq: 12 Jun 2018 23:58

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS02

Tot Ion: 94 Resp: 31057

Ion Ratio Lower Upper

94 100

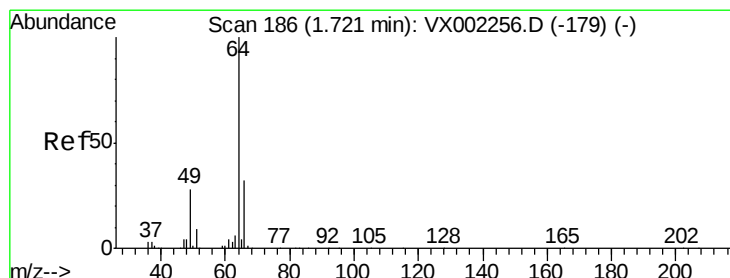
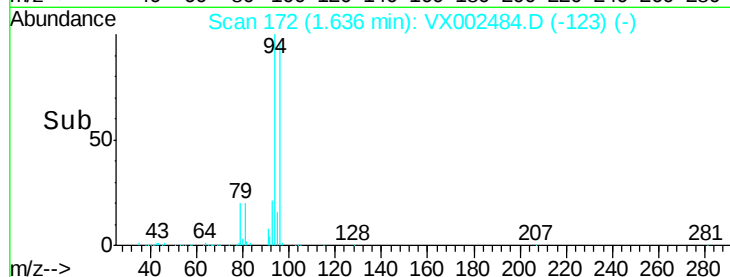
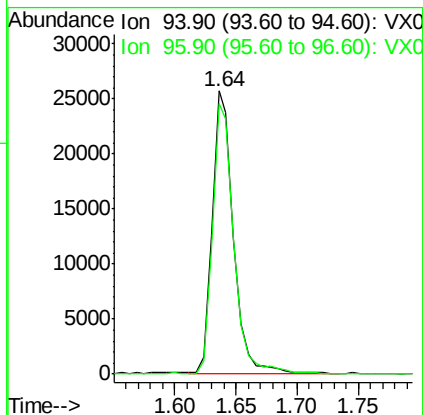
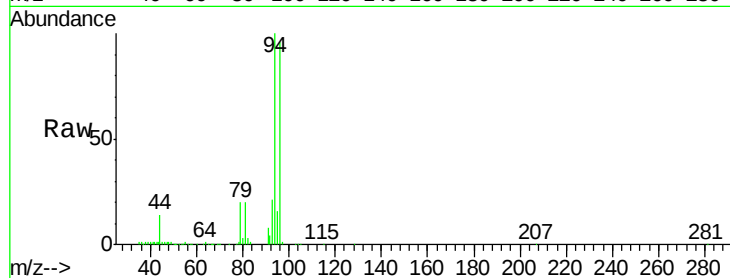
96 96.0 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 21.672 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002484.D

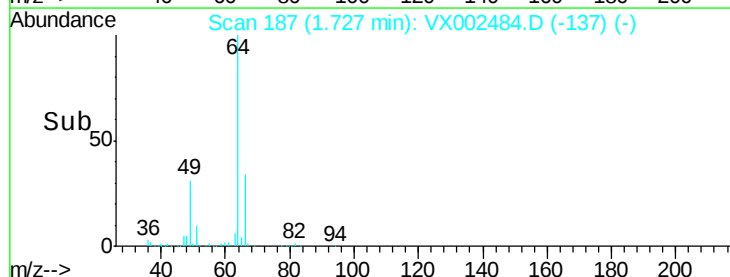
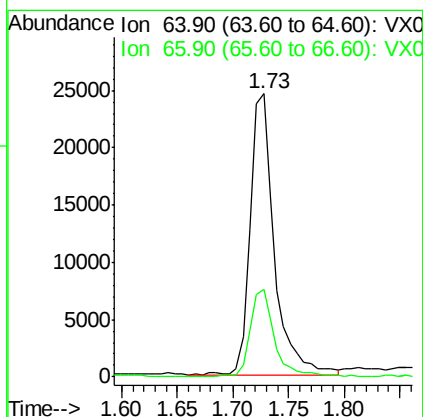
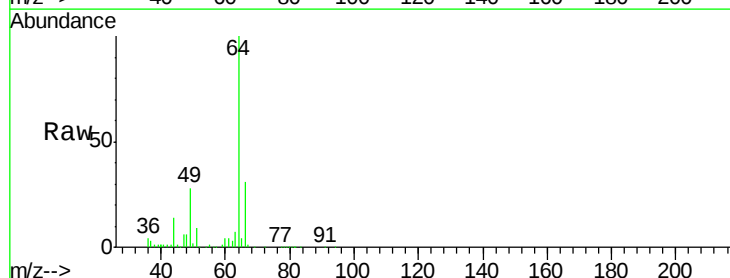
Acq: 12 Jun 2018 23:58

Tgt Ion: 64 Resp: 37175

Ion Ratio Lower Upper

64 100

66 31.2 25.5 38.3





#7

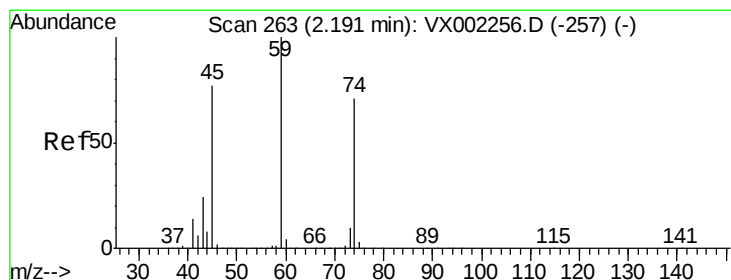
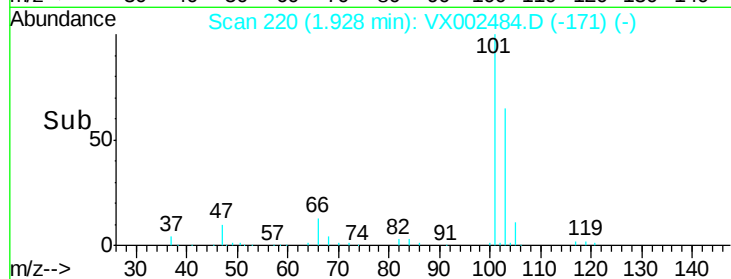
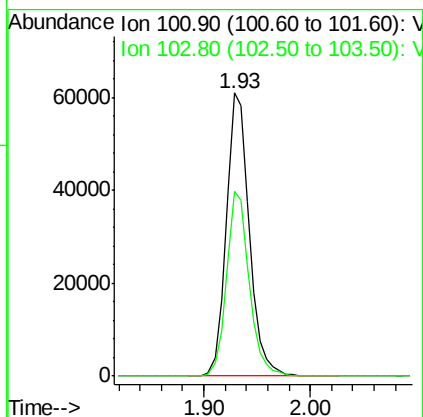
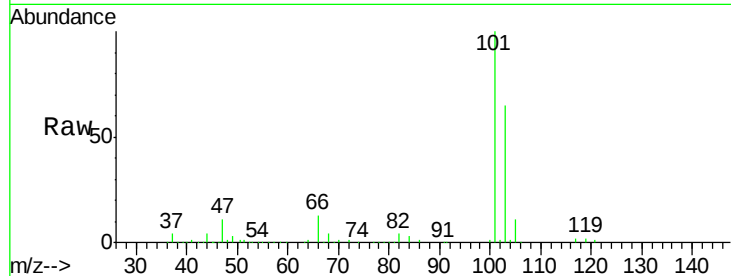
Trichlorofluoromethane
 Concen: 22.774 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VX002484.D
 Acq: 12 Jun 2018 23:58

Instrument :
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 ClientSampleId :
 VX0612WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.8	79.2

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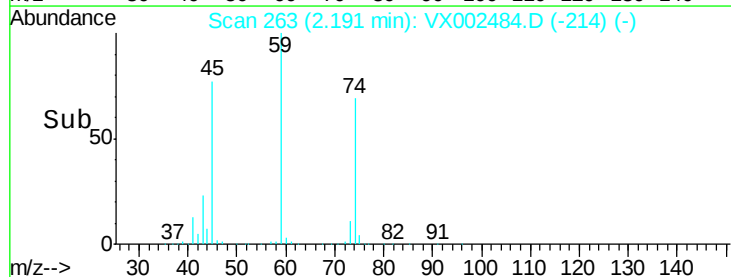
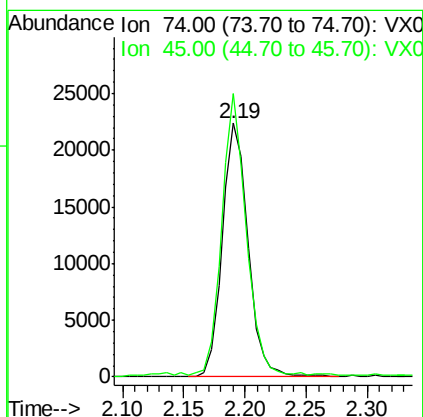
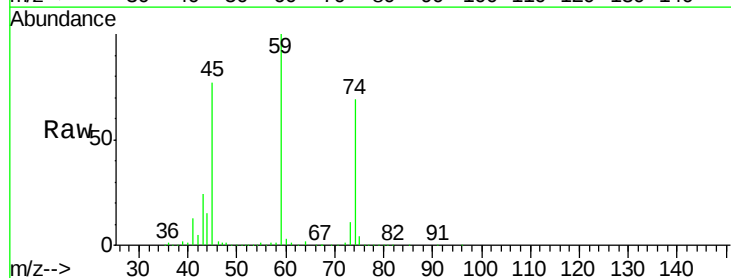
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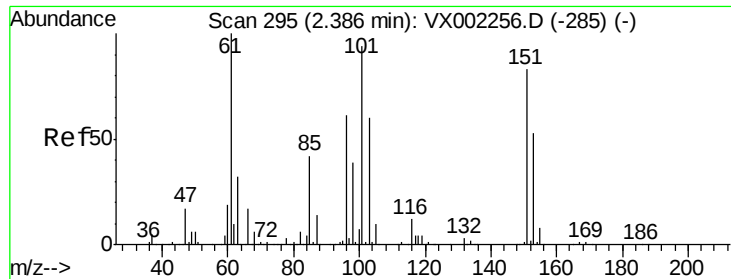


#8

Diethyl Ether
 Concen: 21.446 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX002484.D
 Acq: 12 Jun 2018 23:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.2	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.455 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002484.D

Acq: 12 Jun 2018 23:58

Instrument :

MSVOA_X

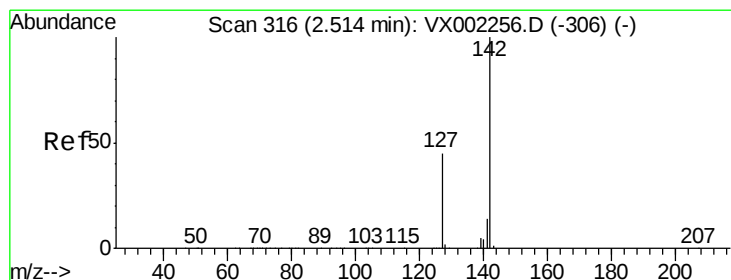
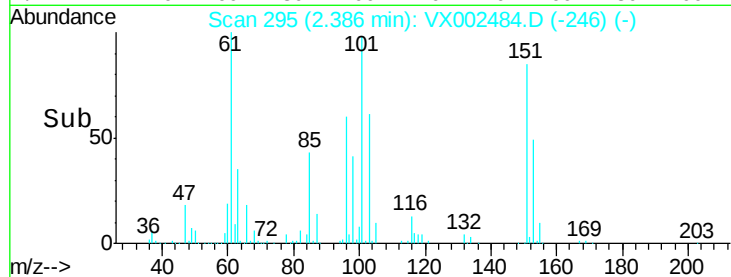
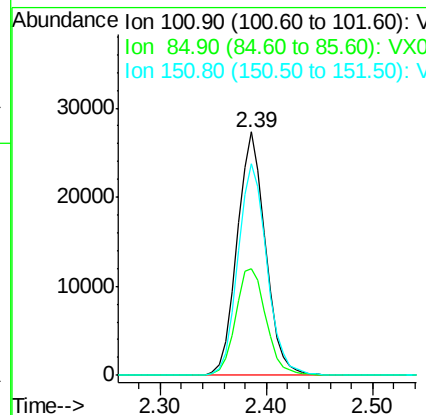
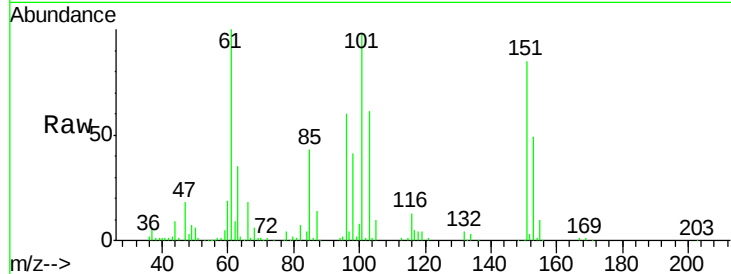
ClientSampleId :

VX0612WBS02

Tot Ion:	101	Resp:	51140
Ion Ratio	Lower	Upper	
101	100		
85	47.0	36.0	54.0
151	88.9	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 15.373 ug/l

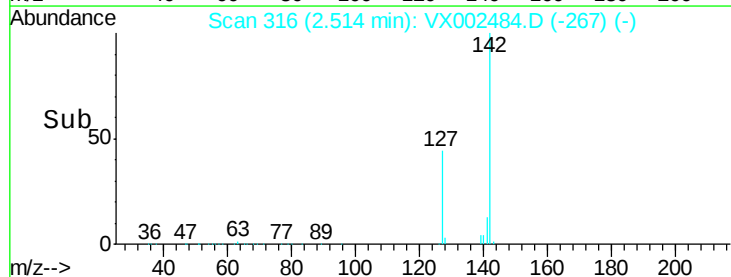
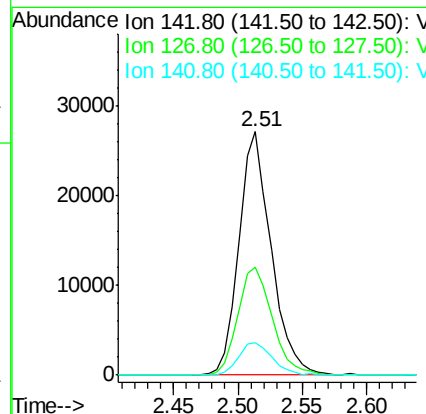
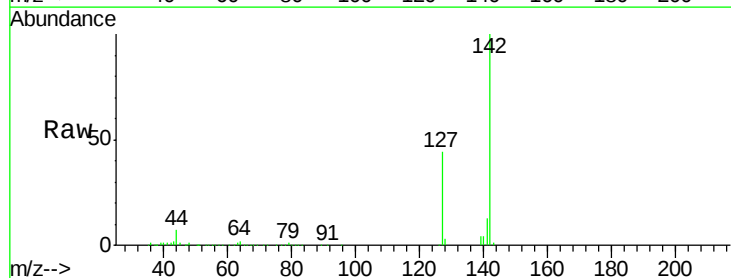
RT: 2.51 min Scan# 316

Delta R.T. -0.00 min

Lab File: VX002484.D

Acq: 12 Jun 2018 23:58

Tgt Ion:	142	Resp:	47146
Ion Ratio	Lower	Upper	
142	100		
127	47.4	36.6	55.0
141	14.0	11.3	16.9





#11

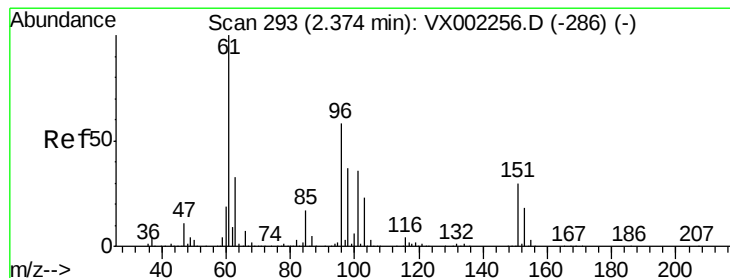
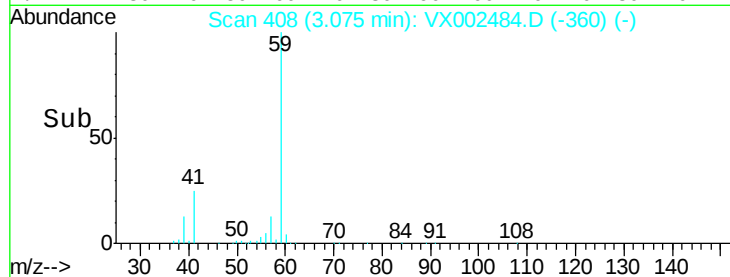
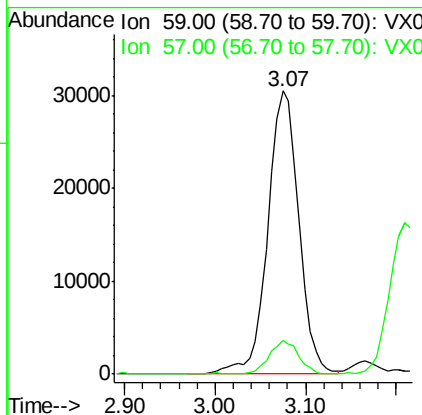
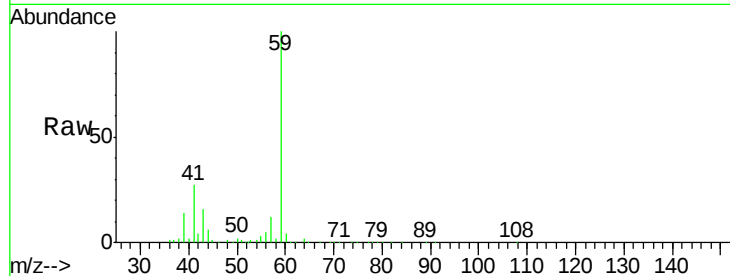
Tert butyl alcohol
 Concen: 111.283 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX002484.D
 Acq: 12 Jun 2018 23:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.2

Manual Integrations
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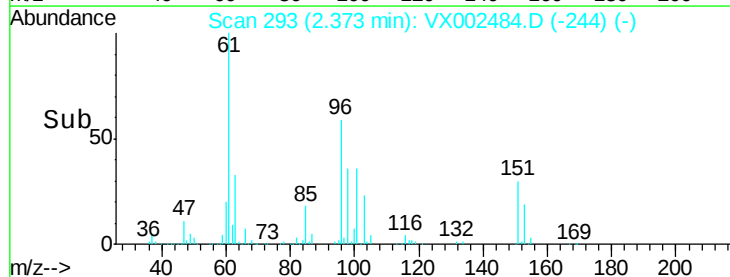
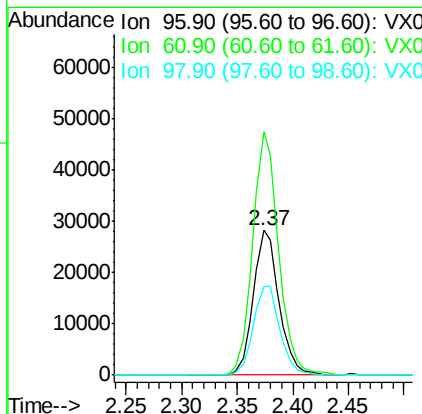
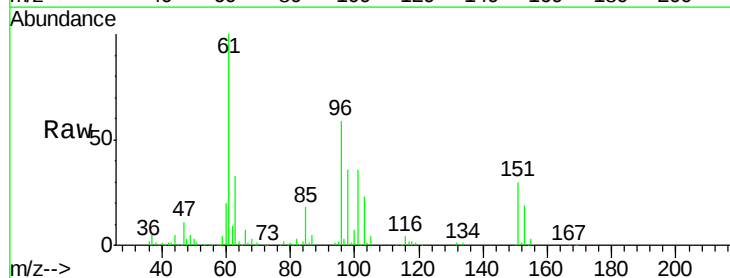
MMDadoda
 6/13/2018 1:59:40 PM

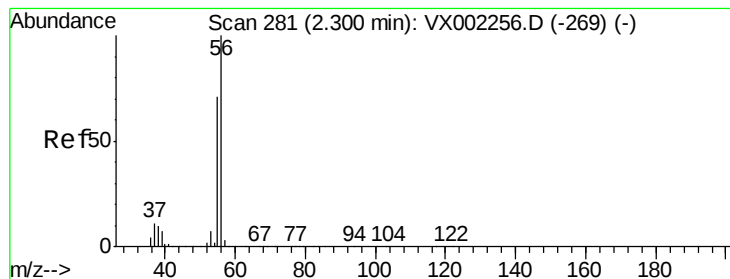


#12

1,1-Dichloroethene
 Concen: 21.164 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX002484.D
 Acq: 12 Jun 2018 23:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.4	137.9	206.9
98	61.3	51.6	77.4





#13

Acrolein

Concen: 76.495 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002484.D

Acq: 12 Jun 2018 23:58

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS02

Tot Ion: 56 Resp: 23930

Ion Ratio Lower Upper

56 100

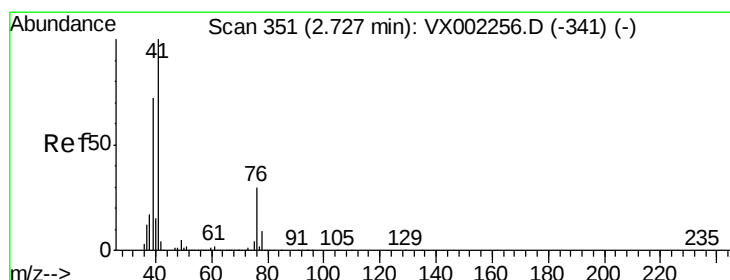
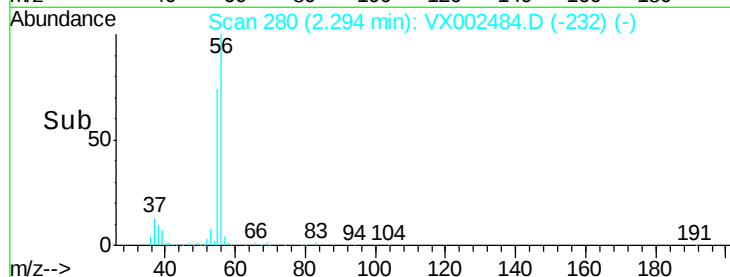
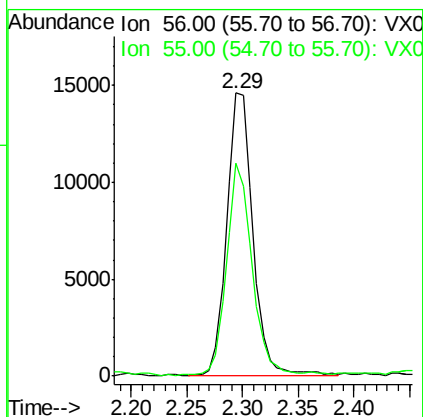
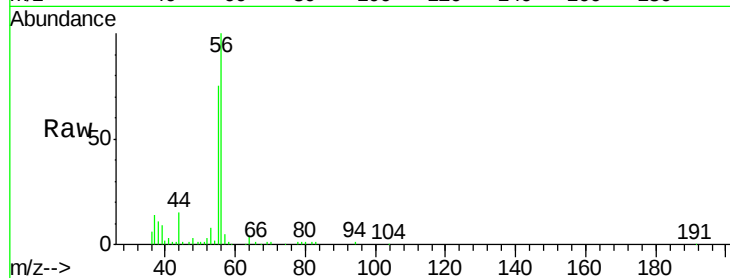
55 73.8 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 19.336 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002484.D

Acq: 12 Jun 2018 23:58

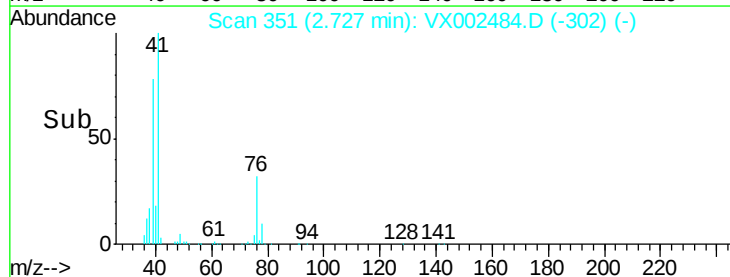
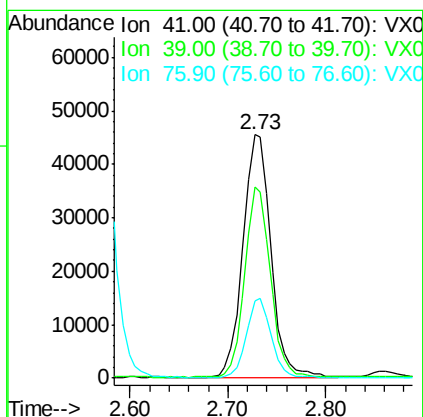
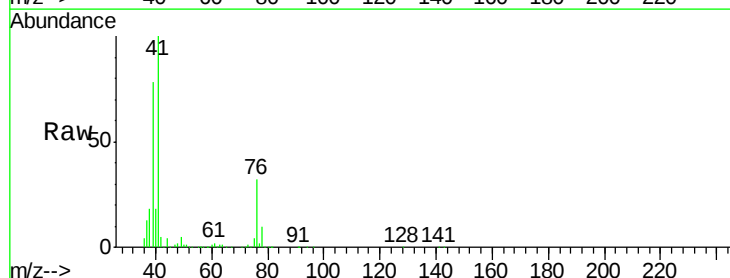
Tgt Ion: 41 Resp: 90418

Ion Ratio Lower Upper

41 100

39 71.3 56.8 85.2

76 29.3 23.8 35.8





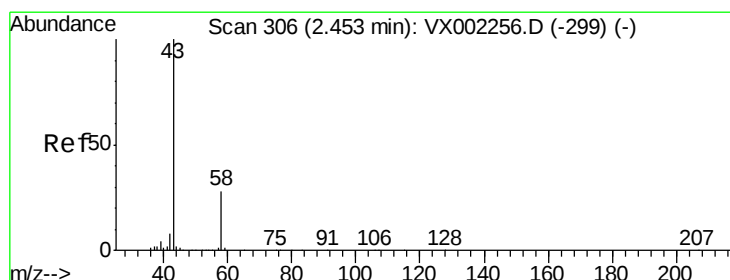
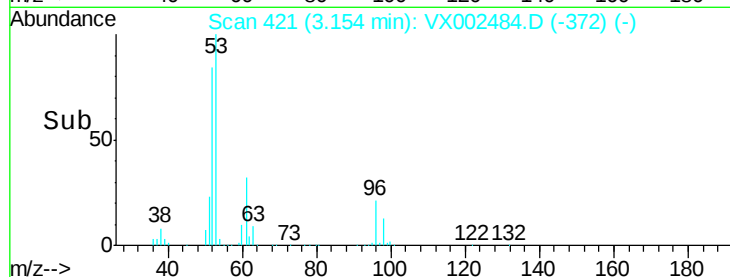
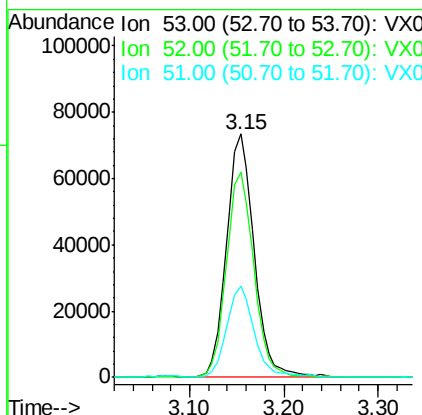
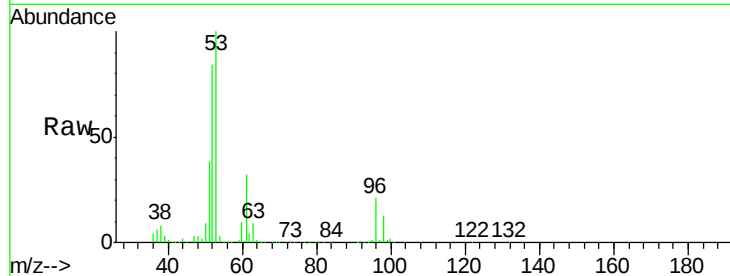
#15
 Acrylonitrile
 Concen: 115.620 ug/l
 RT: 3.15 min Scan# 421
 Delta R.T. 0.00 min
 Lab File: VX002484.D
 Acq: 12 Jun 2018 23:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBS02

Tot Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.7	100.1
51	37.7	29.9	44.9

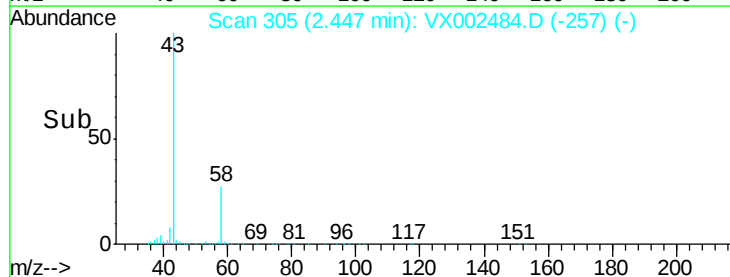
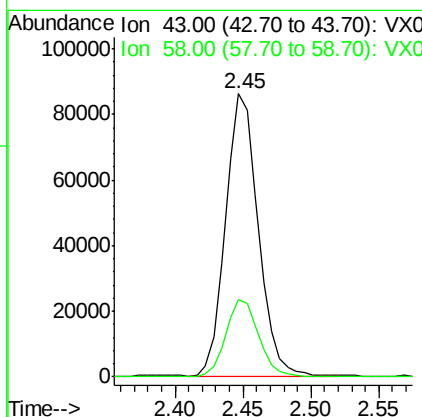
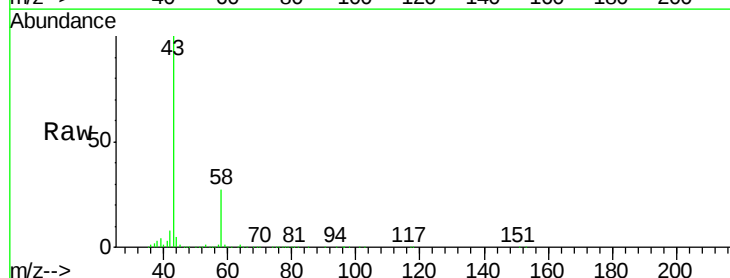
Manual Integrations
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 6/13/2018 1:59:40 PM



#16
 Acetone
 Concen: 103.971 ug/l
 RT: 2.45 min Scan# 305
 Delta R.T. -0.01 min
 Lab File: VX002484.D
 Acq: 12 Jun 2018 23:58

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.1	22.1	33.1





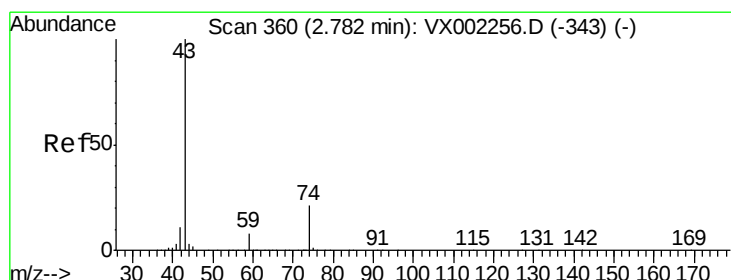
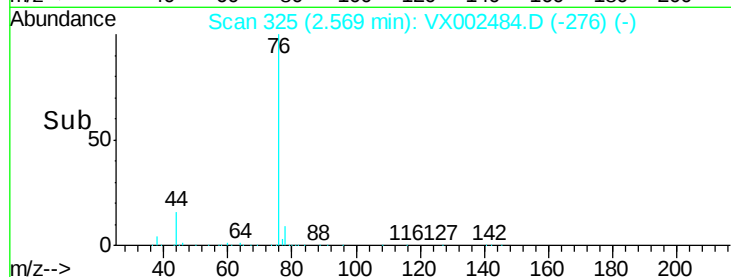
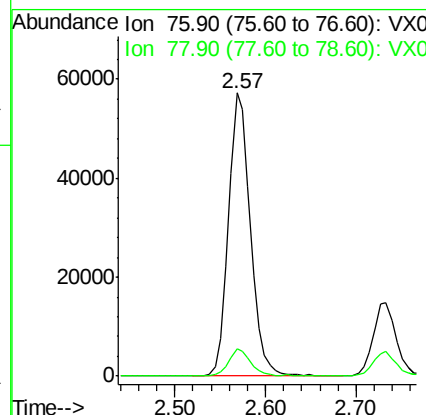
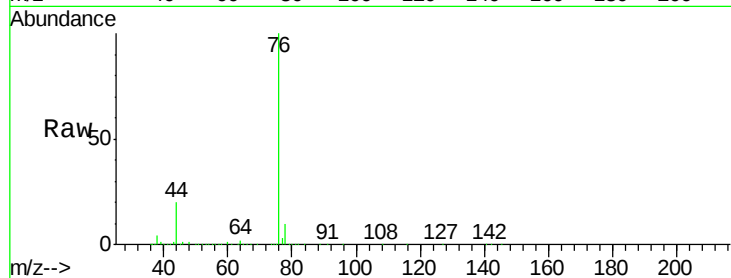
#17
Carbon Disulfide
Concen: 16.964 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002484.D
Acq: 12 Jun 2018 23:58

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.9	10.3

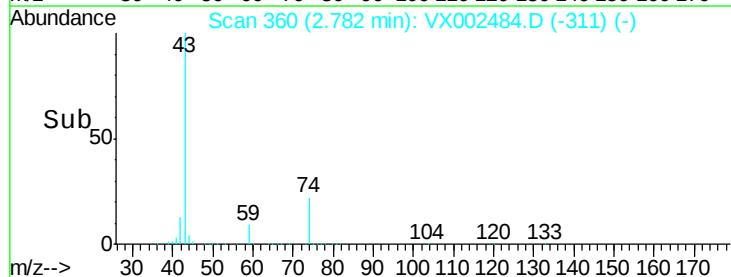
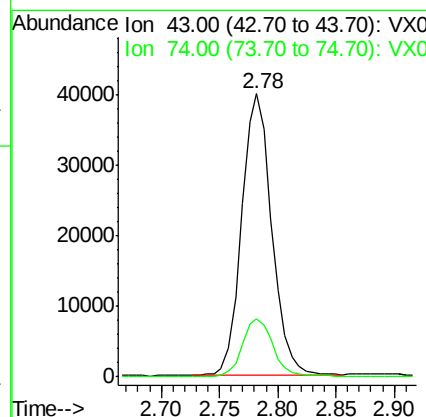
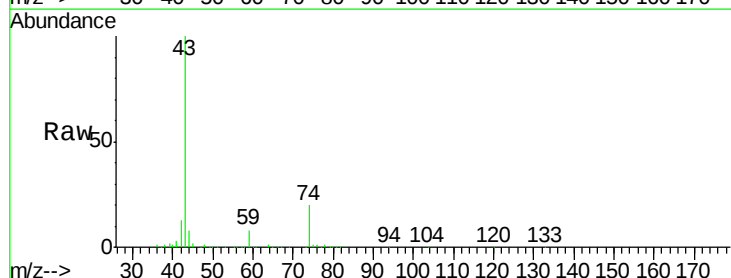
Manual Integrations
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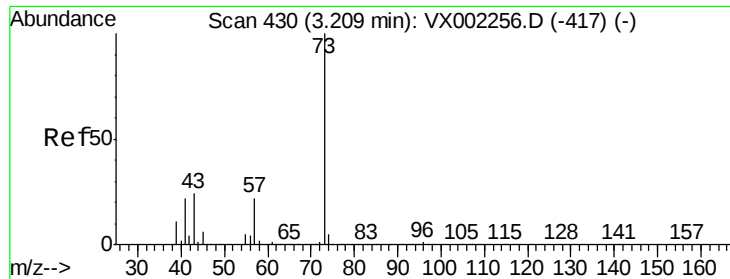
MMDadoda
6/13/2018 1:59:40 PM



#18
Methyl Acetate
Concen: 23.474 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002484.D
Acq: 12 Jun 2018 23:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.6	16.7	25.1





#19

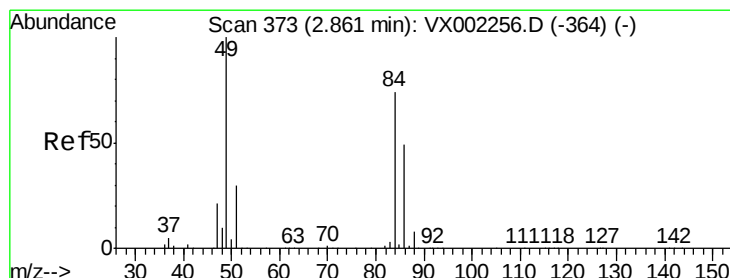
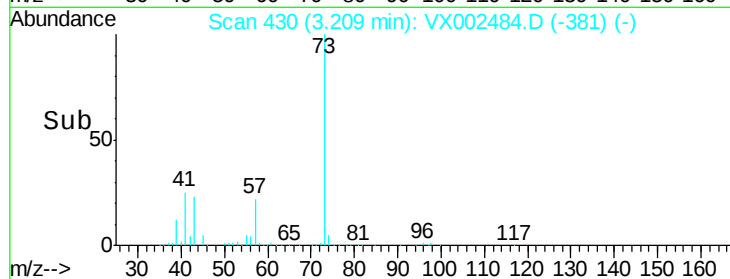
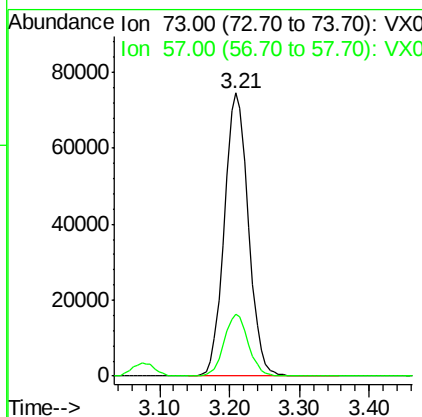
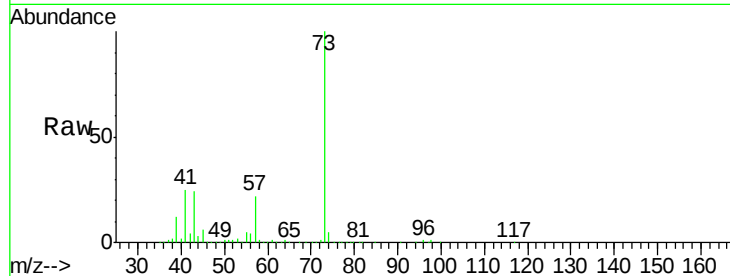
Methyl tert-butyl Ether
 Concen: 22.329 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX002484.D
 Acq: 12 Jun 2018 23:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.7	26.5

Manual Integrations
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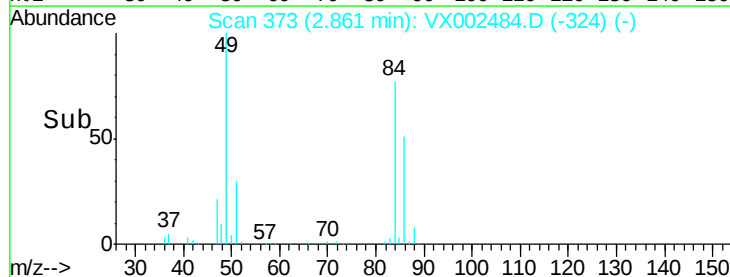
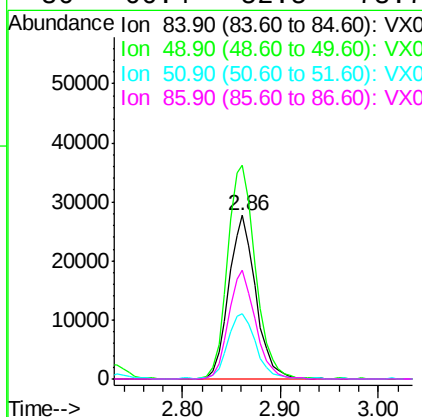
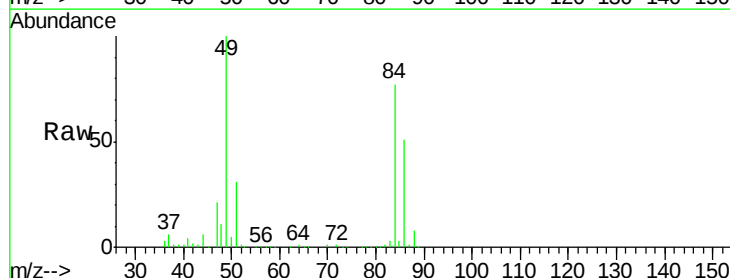
MMDadoda
 6/13/2018 1:59:40 PM

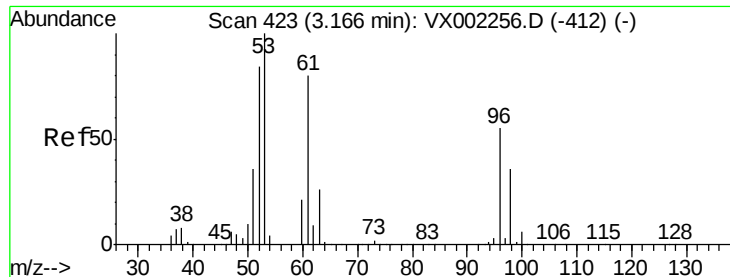


#20

Methylene Chloride
 Concen: 21.596 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VX002484.D
 Acq: 12 Jun 2018 23:58

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.3	107.8	161.6
51	39.7	32.8	49.2
86	66.4	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 20.616 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002484.D

Acq: 12 Jun 2018 23:58

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS02

Tot Ion: 96 Resp: 48988

Ion Ratio Lower Upper

96 100

61 139.1 117.0 175.4

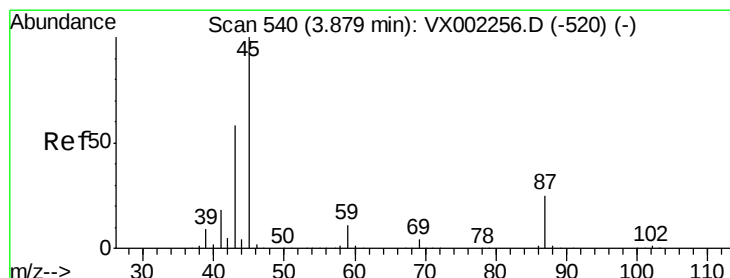
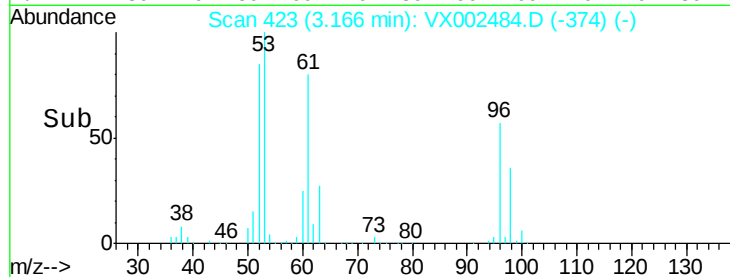
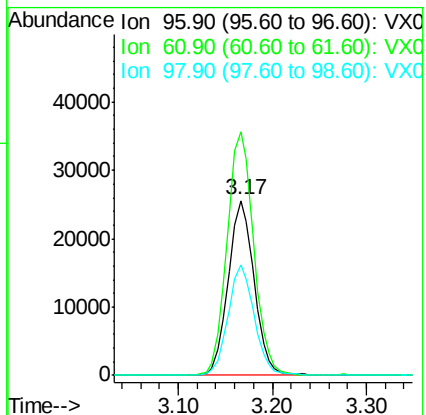
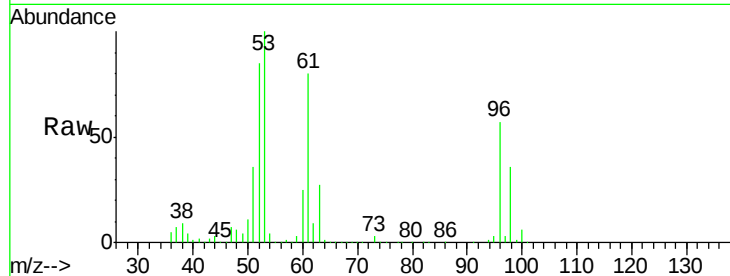
98 63.3 52.4 78.6

Manual Integrations

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MMDadoda

6/13/2018 1:59:40 PM



#22

Diisopropyl ether

Concen: 19.336 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX002484.D

Acq: 12 Jun 2018 23:58

Tgt Ion: 45 Resp: 158180

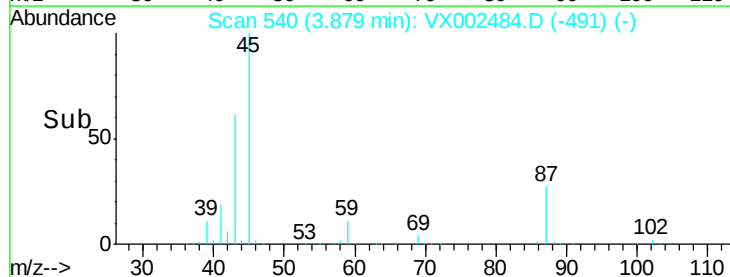
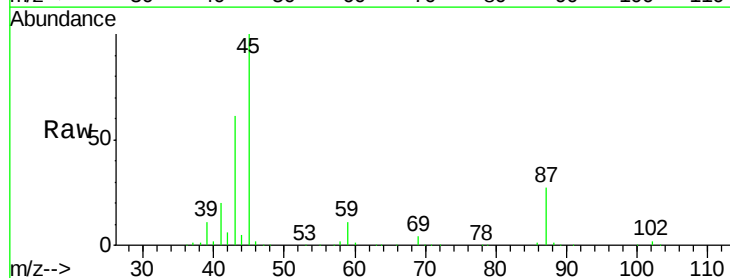
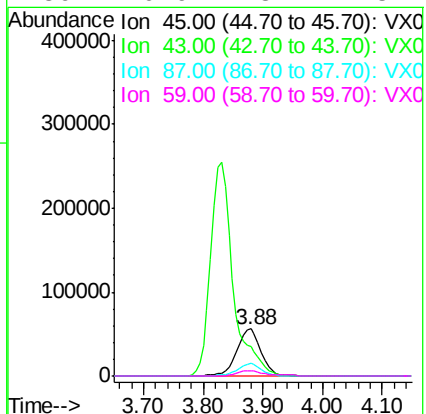
Ion Ratio Lower Upper

45 100

43 60.9 46.8 70.2

87 26.5 20.2 30.4

59 10.9 8.7 13.1





#23

Vinyl Acetate

Concen: 88.147 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002484.D

Acq: 12 Jun 2018 23:58

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS02

Tot Ion: 43 Resp: 668212

Ion Ratio Lower Upper

43 100

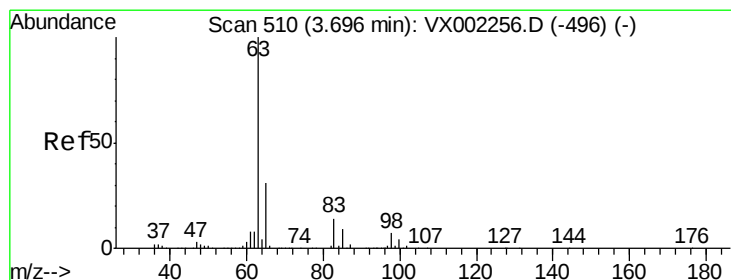
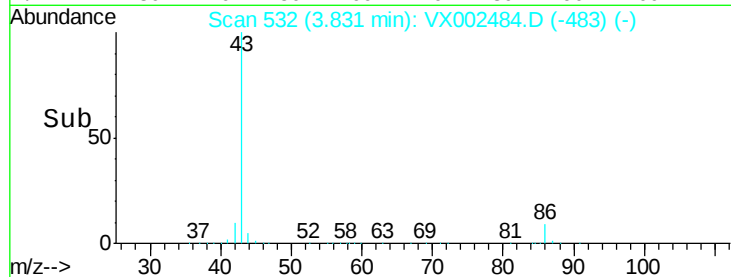
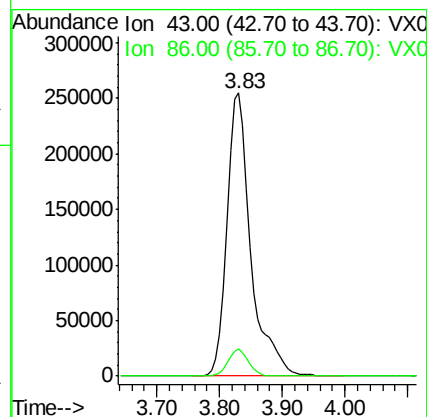
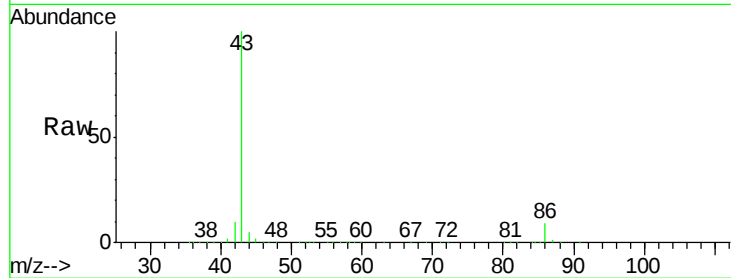
86 9.5 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

6/13/2018 1:59:40 PM



#24

1,1-Dichloroethane

Concen: 21.173 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002484.D

Acq: 12 Jun 2018 23:58

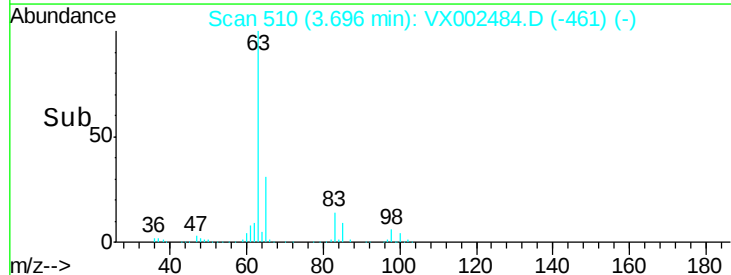
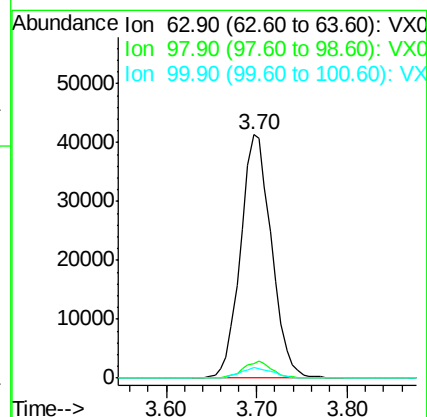
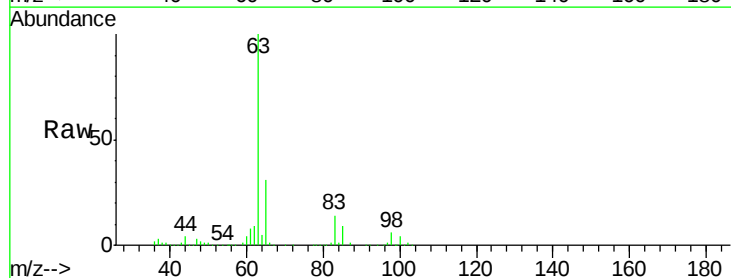
Tgt Ion: 63 Resp: 97858

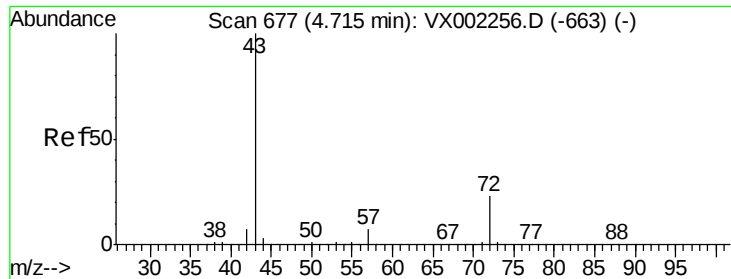
Ion Ratio Lower Upper

63 100

98 5.8 3.4 10.2

100 4.3 2.0 6.0





#25

2-Butanone

Concen: 93.151 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002484.D

Acq: 12 Jun 2018 23:58

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS02

Tot Ion: 43 Resp: 184868

Ion Ratio Lower Upper

43 100

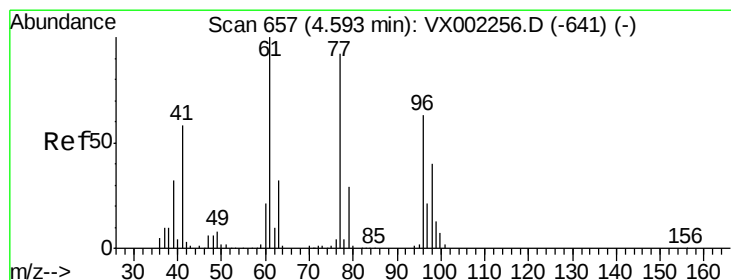
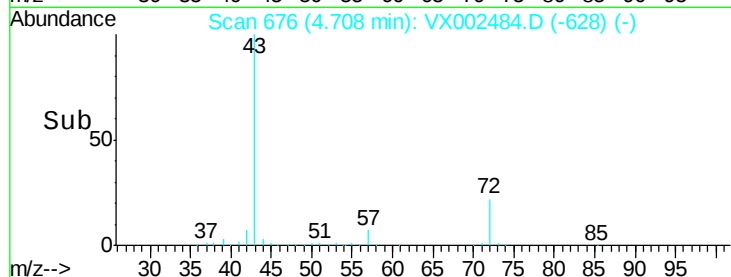
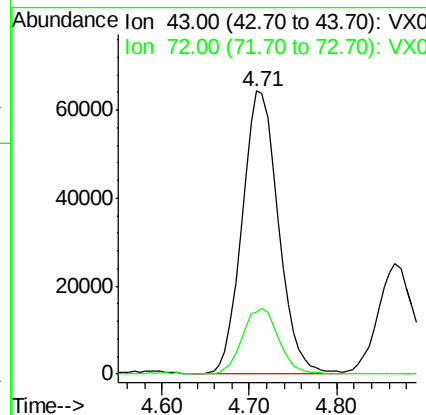
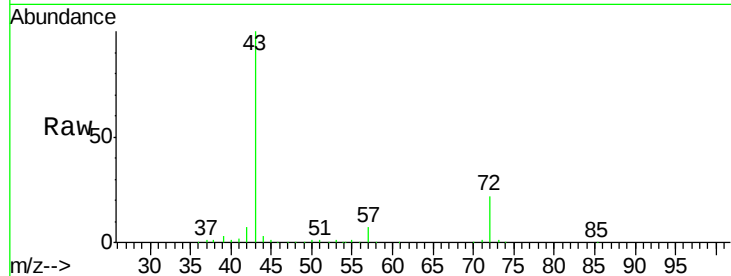
72 21.8 18.5 27.7

Manual Integrations

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MMDadoda

6/13/2018 1:59:40 PM



#26

2,2-Dichloropropane

Concen: 13.864 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX002484.D

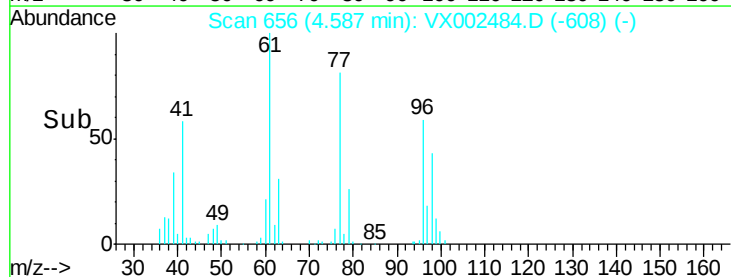
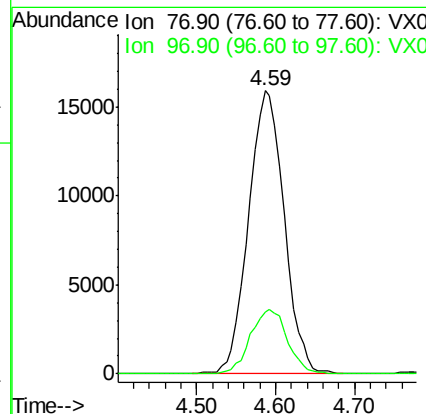
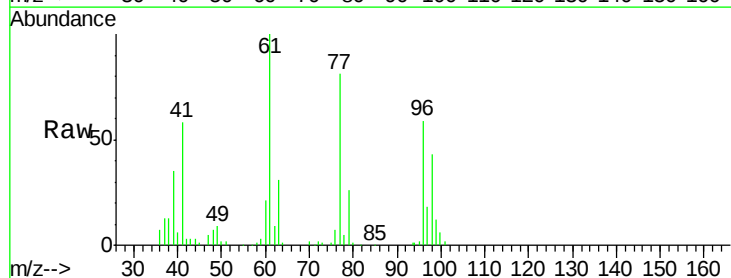
Acq: 12 Jun 2018 23:58

Tgt Ion: 77 Resp: 50088

Ion Ratio Lower Upper

77 100

97 23.5 11.2 33.5





#27

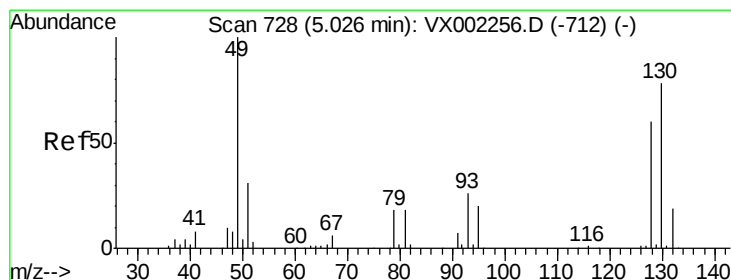
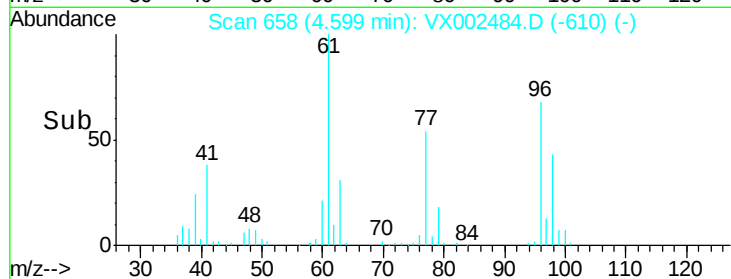
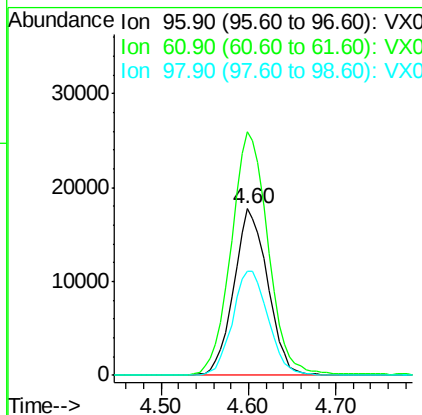
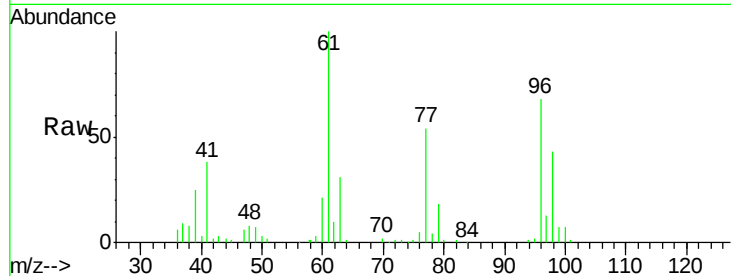
cis-1,2-Dichloroethene
 Concen: 18.517 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: VX002484.D
 Acq: 12 Jun 2018 23:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.8	0.0	330.2
98	65.7	0.0	130.2

Manual Integrations
 APPROVED

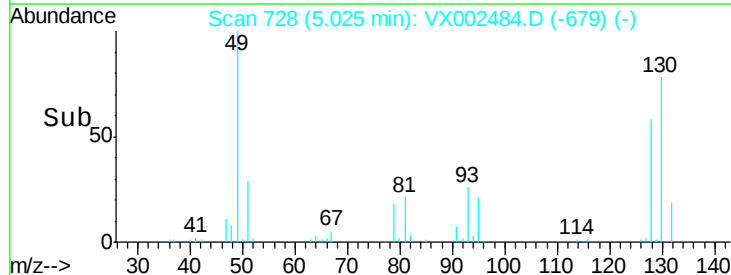
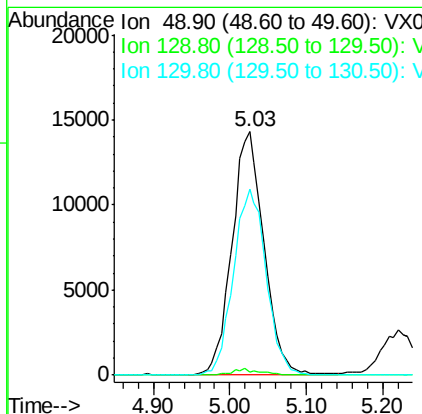
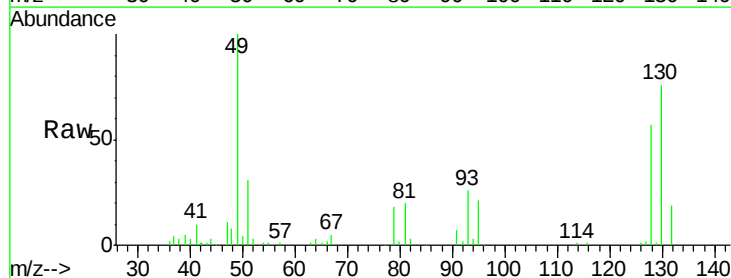
MMDadoda
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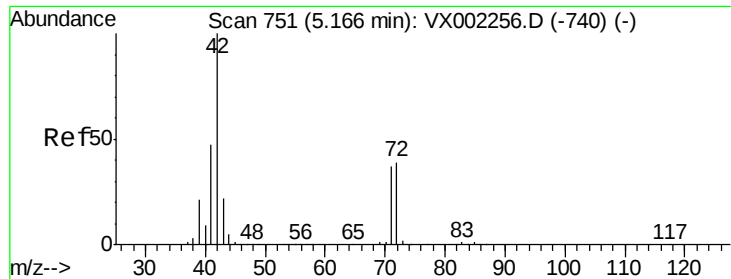


#28

Bromochloromethane
 Concen: 18.959 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VX002484.D
 Acq: 12 Jun 2018 23:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	77.5	61.2	91.8





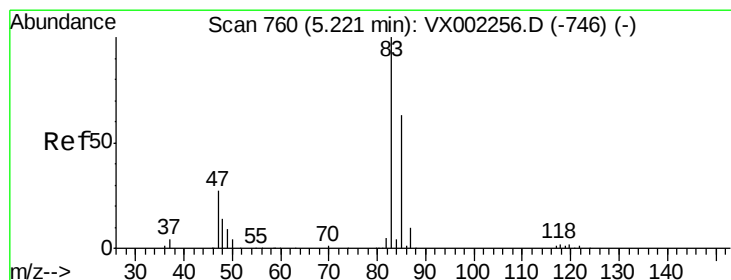
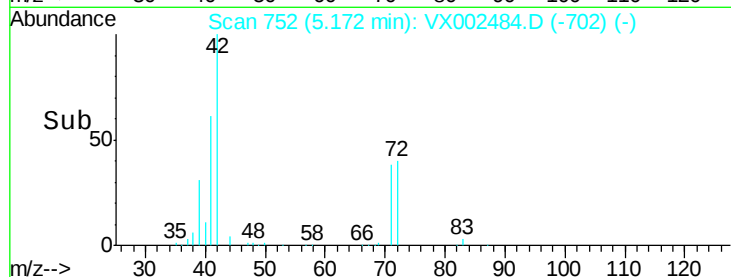
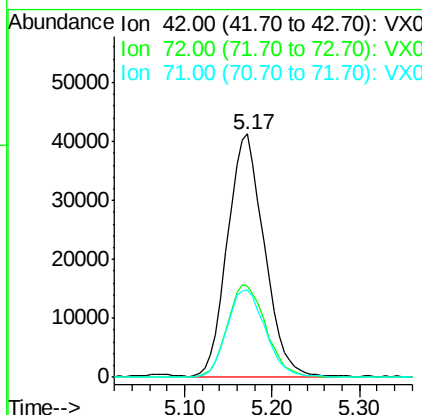
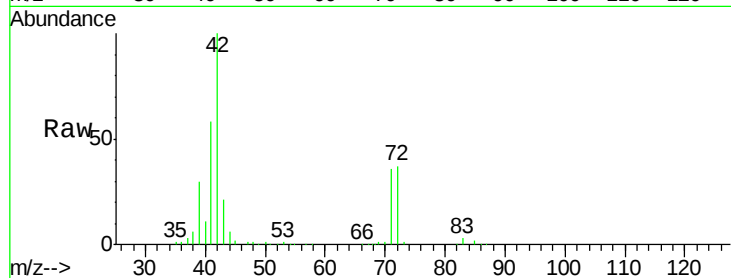
#29
Tetrahydrofuran
Concen: 94.221 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX002484.D
Acq: 12 Jun 2018 23:58

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	32.0	48.0
71	37.8	30.1	45.1

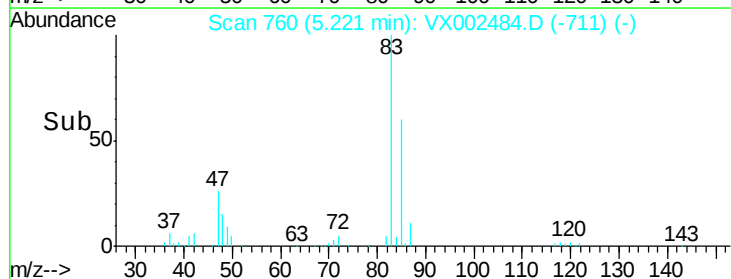
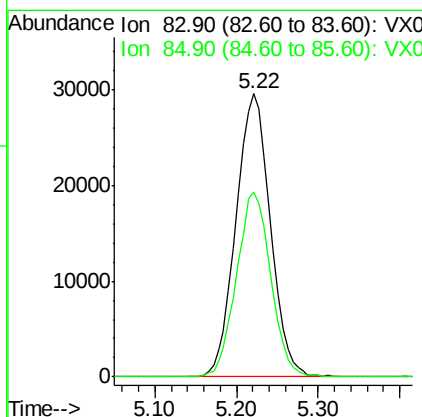
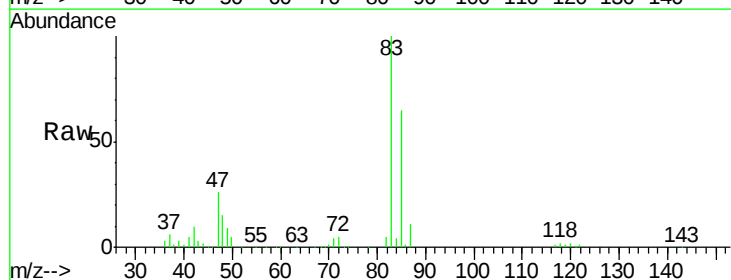
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#30
Chloroform
Concen: 19.413 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002484.D
Acq: 12 Jun 2018 23:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.4	75.6





#31

Cyclohexane

Concen: 18.975 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002484.D

Acq: 12 Jun 2018 23:58

Instrument :

MSVOA_X

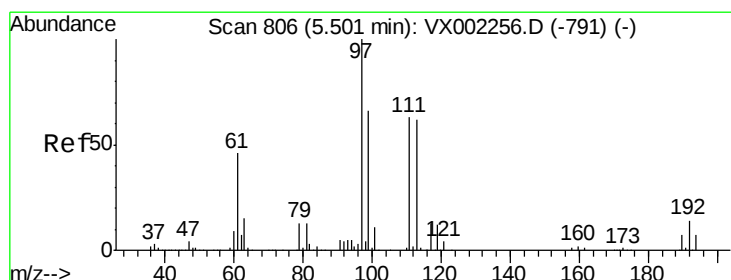
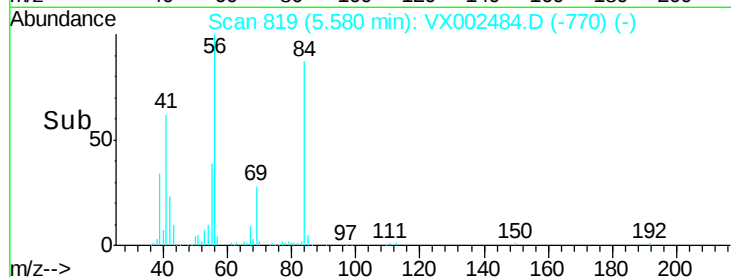
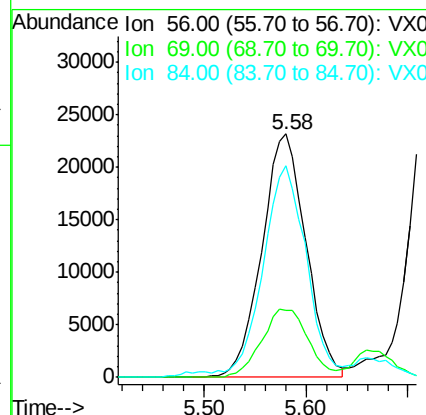
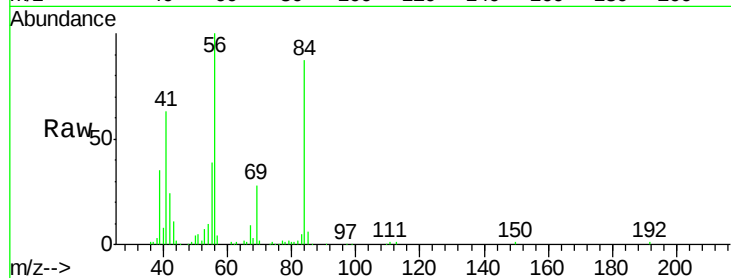
ClientSampleId :

VX0612WBS02

Tot Ion:	56	Resp:	69348
Ion	Ratio	Lower	Upper
56	100		
69	27.6	23.7	35.5
84	85.2	64.1	96.1

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#32

1,1,1-Trichloroethane

Concen: 19.152 ug/l

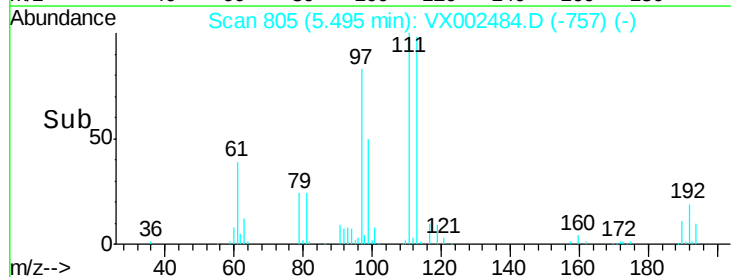
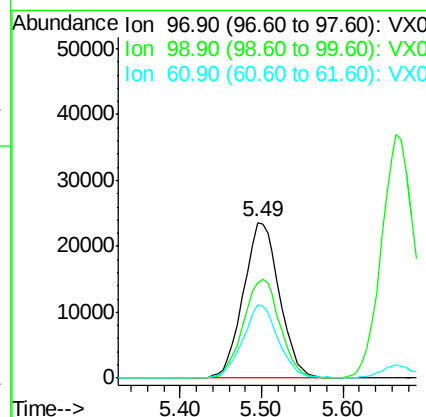
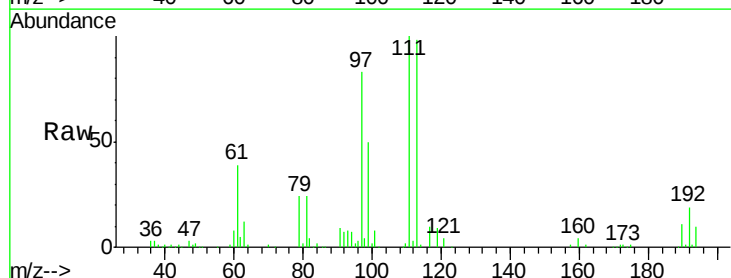
RT: 5.49 min Scan# 805

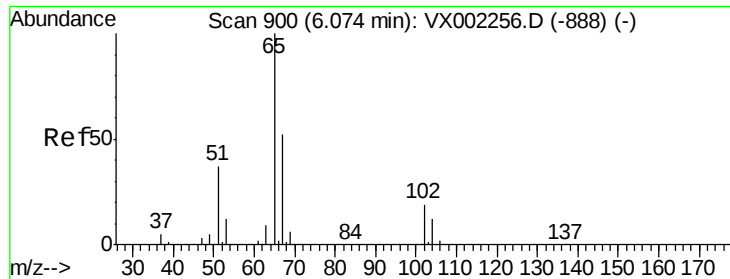
Delta R.T. -0.01 min

Lab File: VX002484.D

Acq: 12 Jun 2018 23:58

Tgt Ion:	97	Resp:	72439
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	46.6	36.4	54.6





#33

1,2-Dichloroethane-d4

Concen: 47.467 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002484.D

Acq: 12 Jun 2018 23:58

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS02

Tot Ion: 65 Resp: 137896

Ion Ratio Lower Upper

65 100

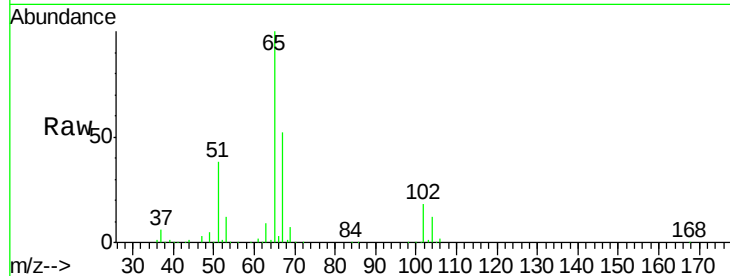
67 51.2 0.0 102.6

Manual Integrations

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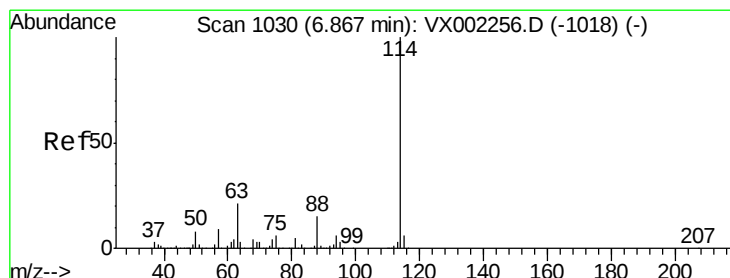
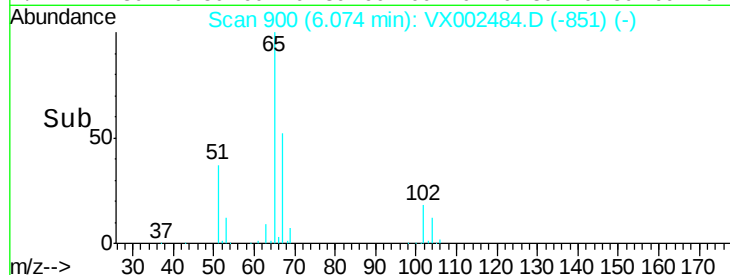
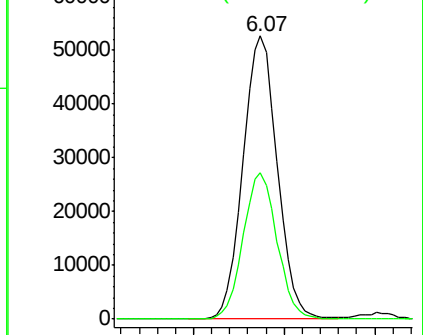
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002484.D

Acq: 12 Jun 2018 23:58

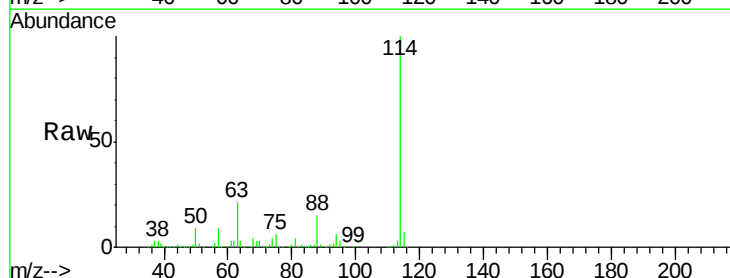
Tgt Ion: 114 Resp: 299326

Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.4

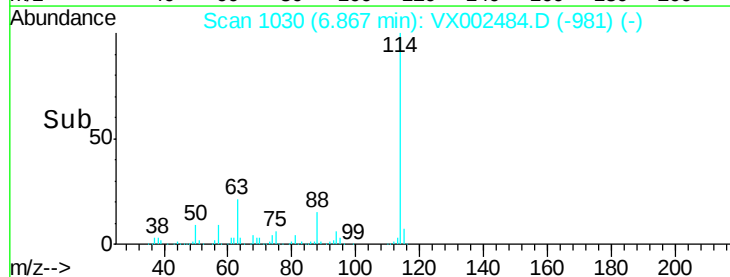
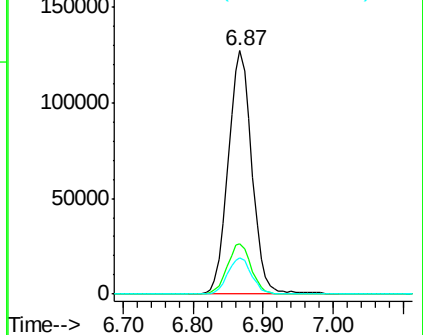
88 14.9 0.0 30.0

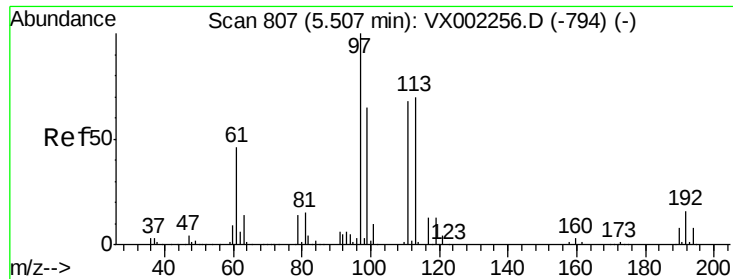


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





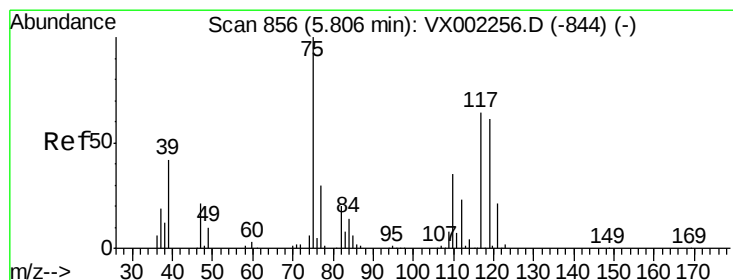
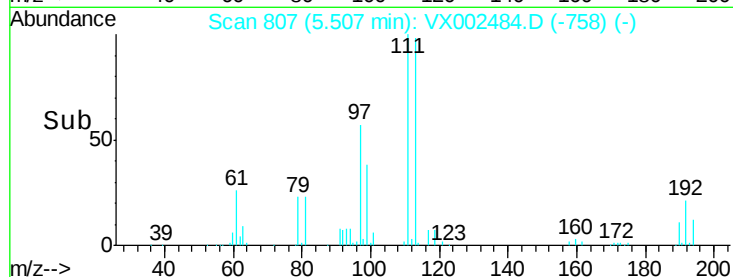
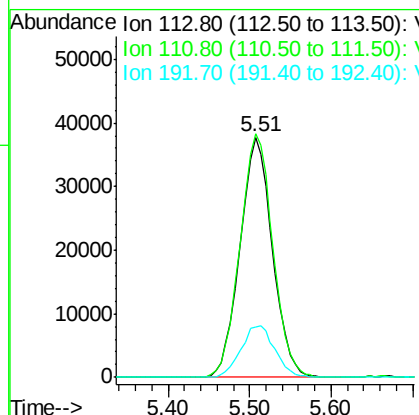
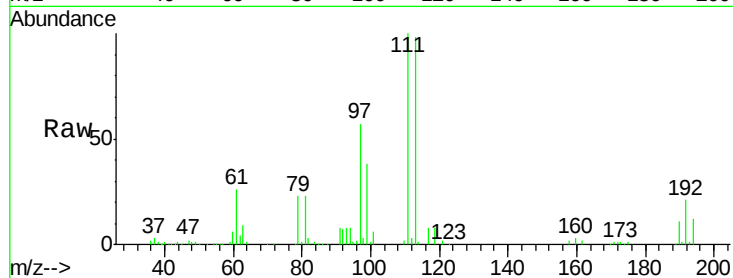
#35
 Dibromofluoromethane
 Concen: 44.021 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX002484.D
 Acq: 12 Jun 2018 23:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.0	81.4	122.0	
192	22.7	19.1	28.7	

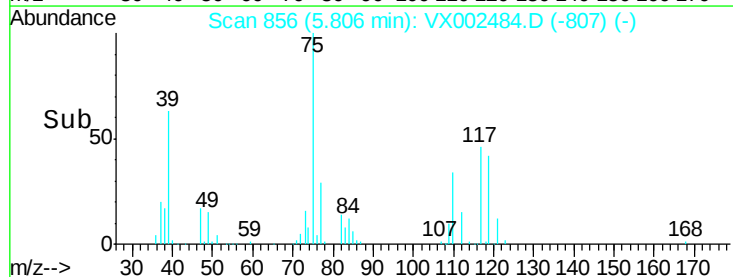
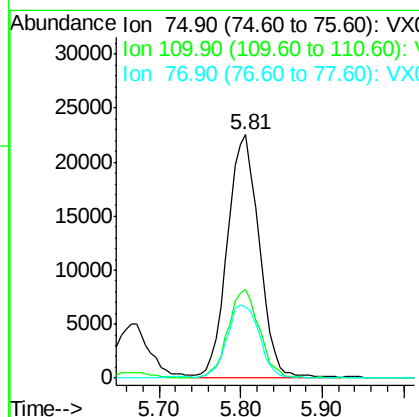
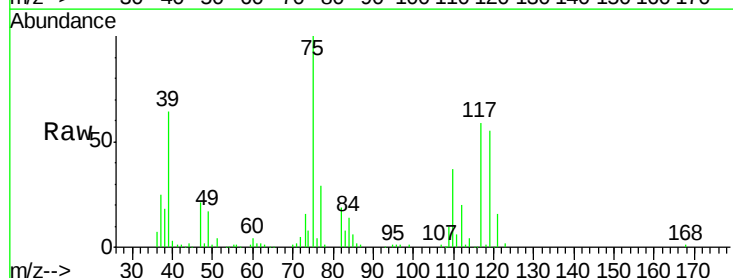
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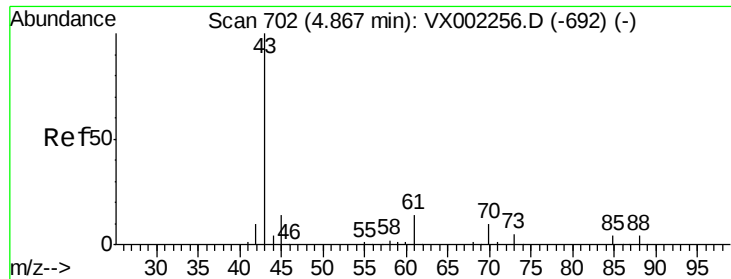
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#36
 1,1-Dichloropropene
 Concen: 19.115 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VX002484.D
 Acq: 12 Jun 2018 23:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.0	18.1	54.4	
77	30.7	24.3	36.5	





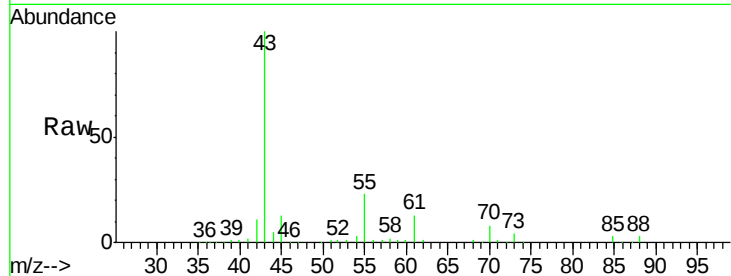
#37
Ethyl Acetate
Concen: 19.010 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX002484.D
Acq: 12 Jun 2018 23:58

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.4	15.6
70	9.3	7.6	11.4

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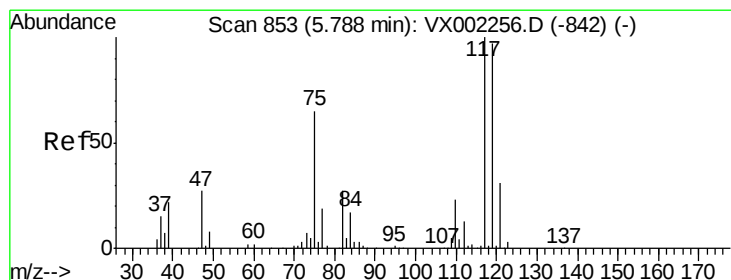
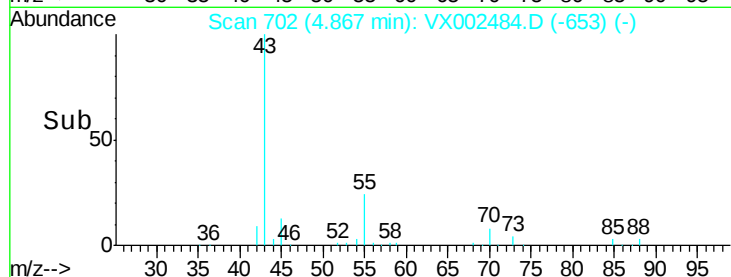
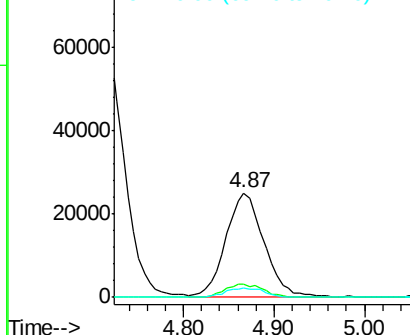


Abundance

Ion 43.00 (42.70 to 43.70): VX0

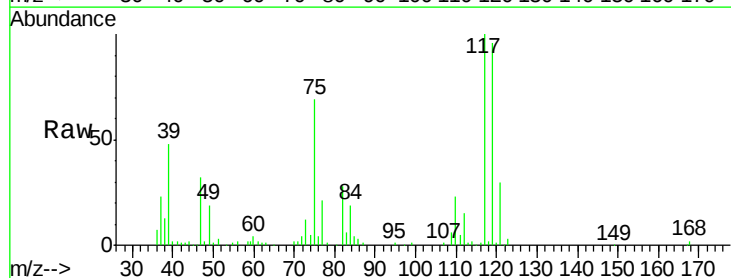
Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38
Carbon Tetrachloride
Concen: 19.278 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002484.D
Acq: 12 Jun 2018 23:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.4	116.0
121	30.2	24.4	36.6

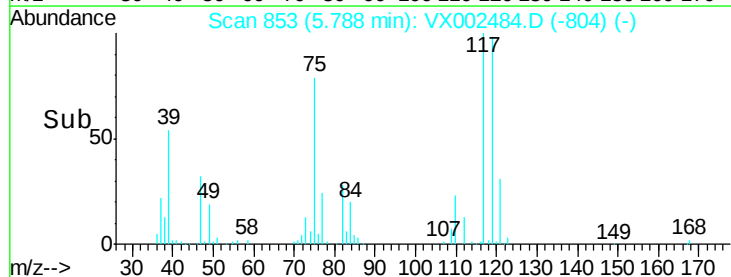
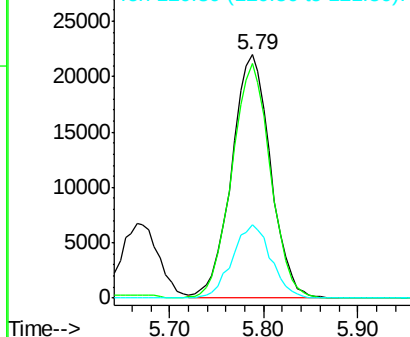


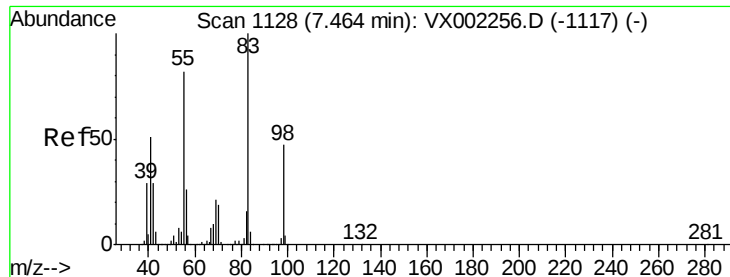
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





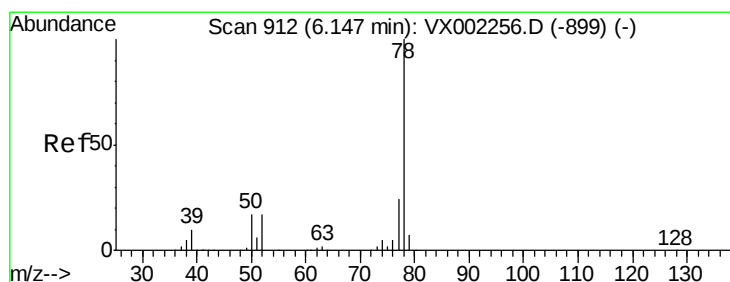
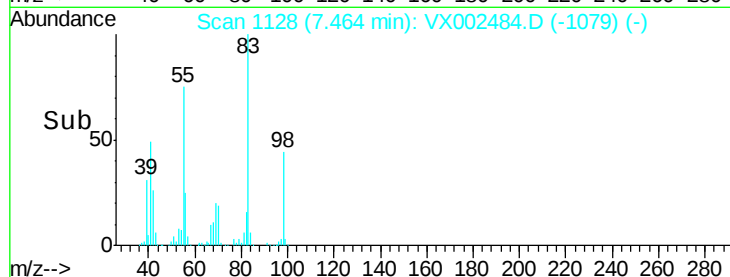
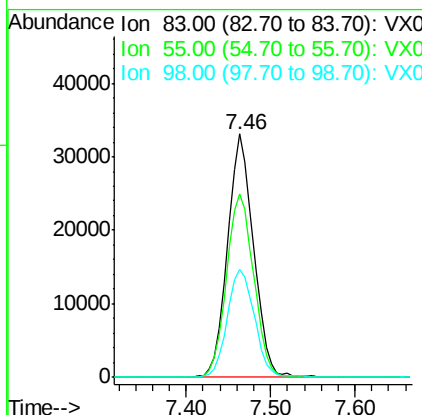
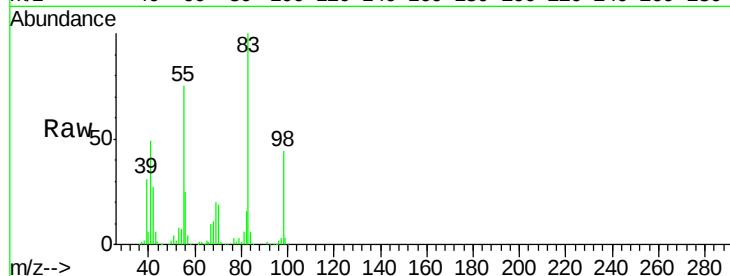
#39
Methvlcvclohexane
Concen: 18.063 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002484.D
Acq: 12 Jun 2018 23:58

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.5	65.4	98.0
98	44.3	37.4	56.0

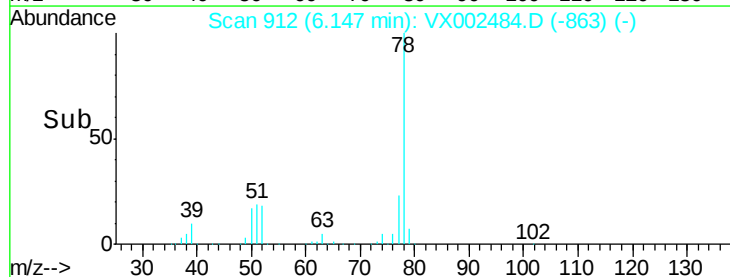
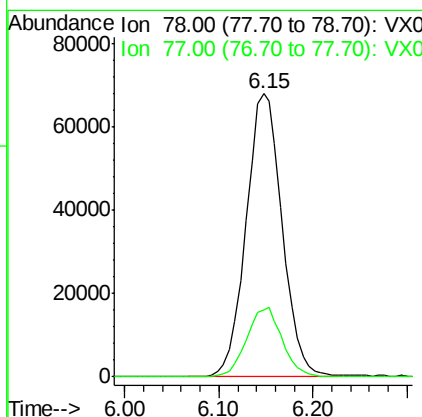
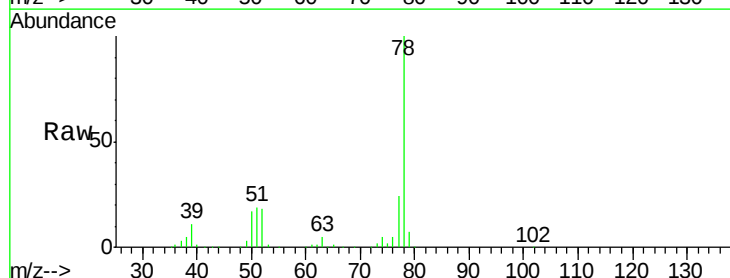
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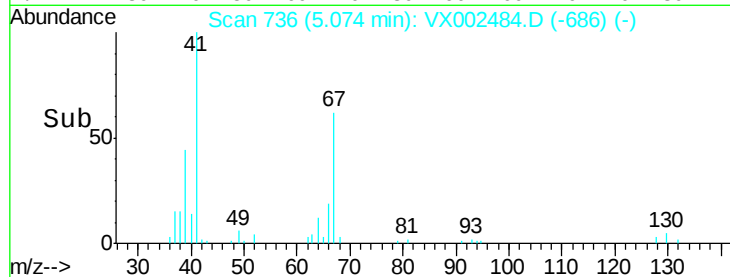
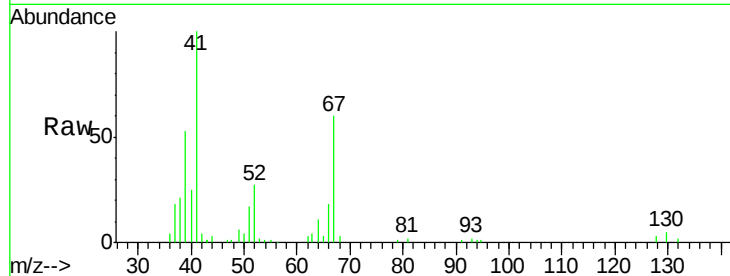
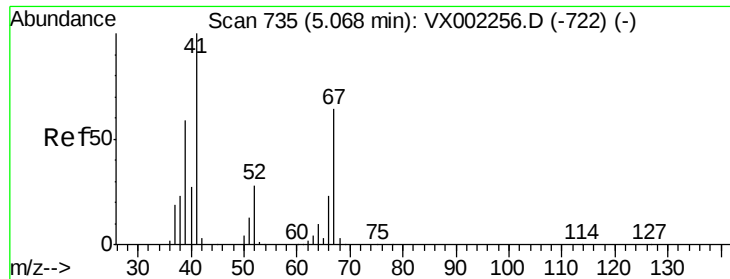
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#40
Benzene
Concen: 18.914 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002484.D
Acq: 12 Jun 2018 23:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7





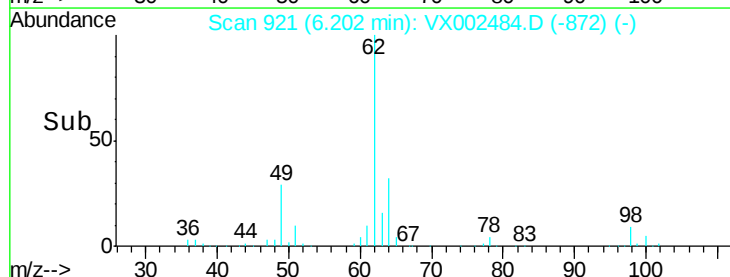
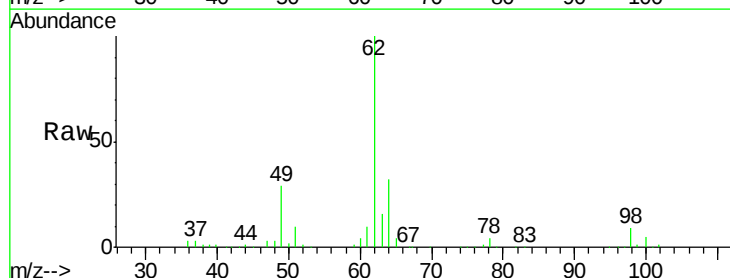
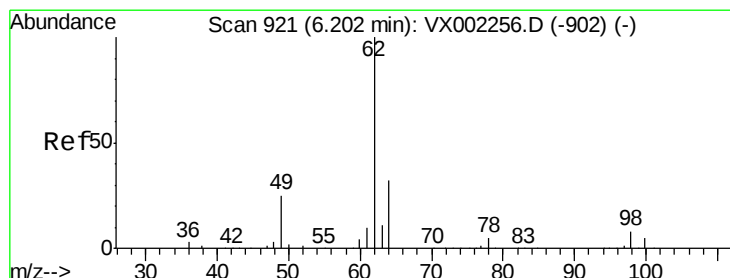
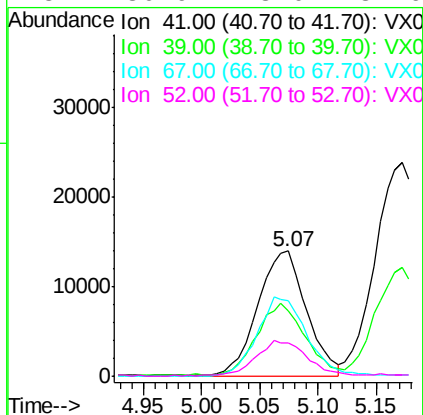
#41
Methacrylonitrile
Concen: 18.594 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX002484.D
Acq: 12 Jun 2018 23:58

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		40281		
39	57.4	45.8	68.6		
67	65.5	51.3	76.9		
52	30.9	23.0	34.6		

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS02

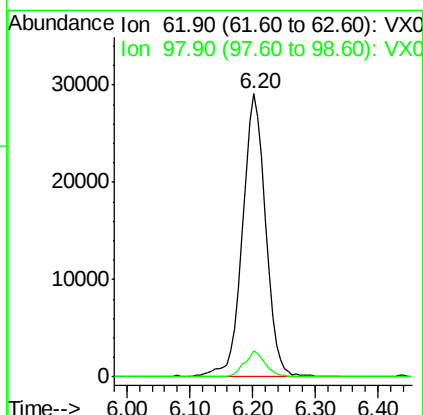
Manual Integrations
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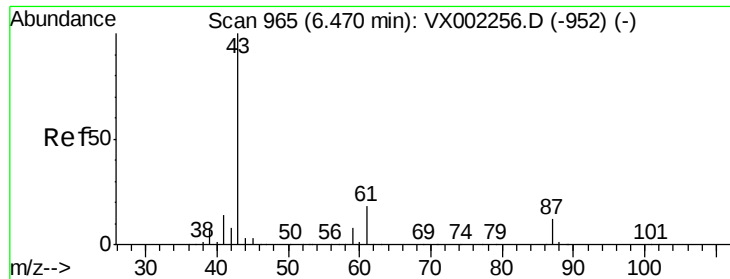
MMDadoda
6/13/2018 1:59:40 PM



#42
1,2-Dichloroethane
Concen: 19.449 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002484.D
Acq: 12 Jun 2018 23:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		74555		
98	8.1	0.0	16.6		





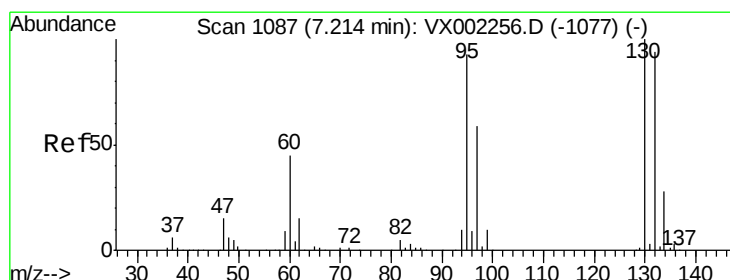
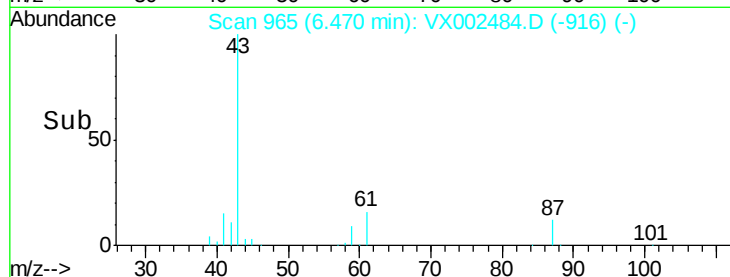
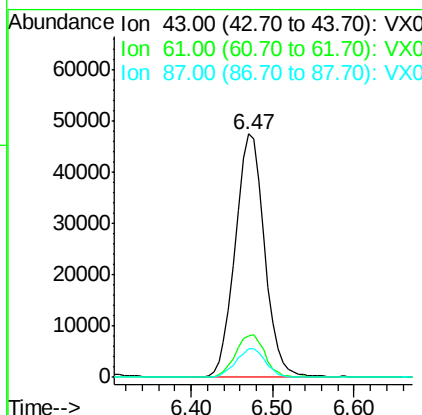
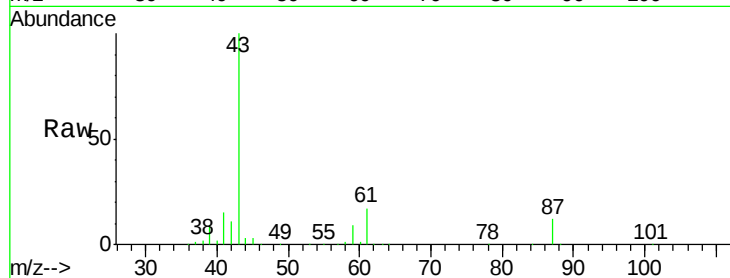
#43
Isopropyl Acetate
Concen: 18.196 ug/l
RT: 6.47 min Scan# 965
Delta R.T. -0.00 min
Lab File: VX002484.D
Acq: 12 Jun 2018 23:58

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.4	21.6
87	11.9	9.5	14.3

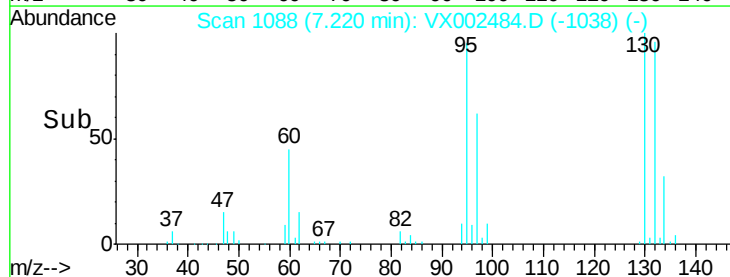
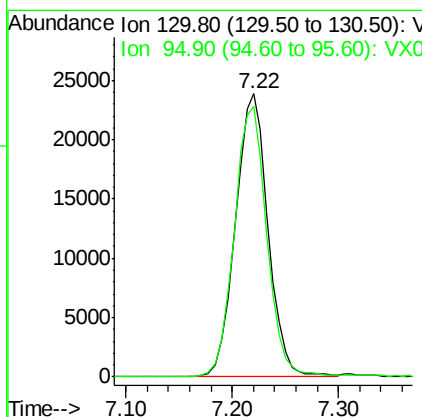
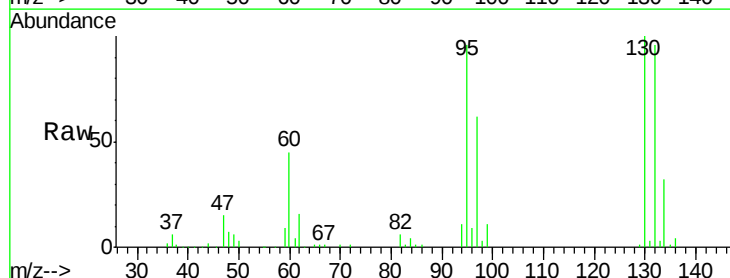
Manual Integrations
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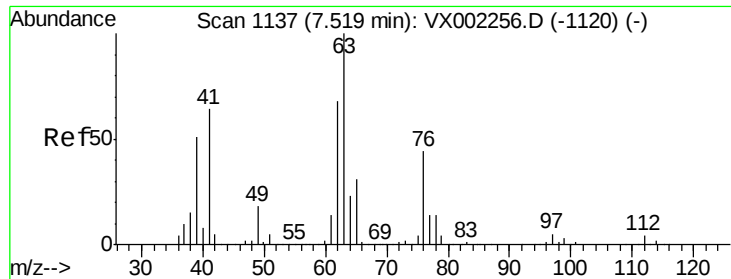
MMDadoda
6/13/2018 1:59:40 PM



#44
Trichloroethene
Concen: 19.137 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX002484.D
Acq: 12 Jun 2018 23:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	185.4





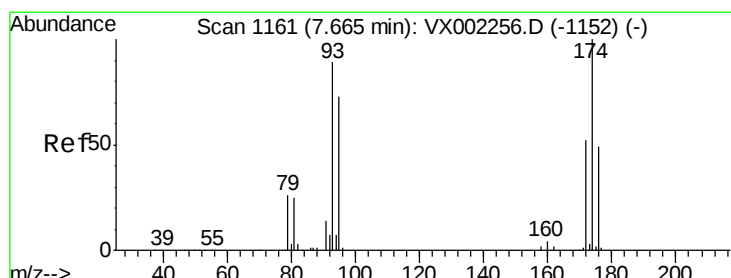
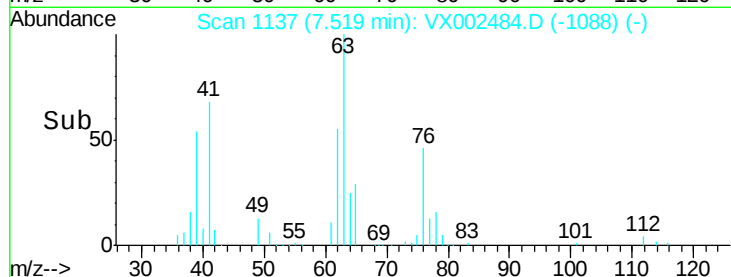
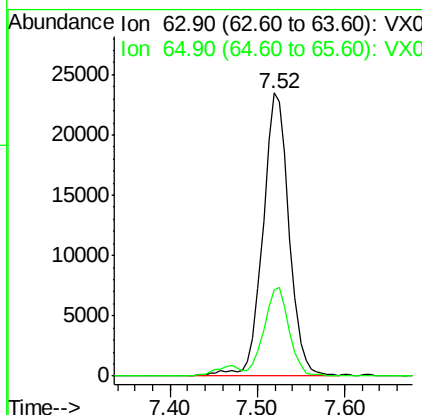
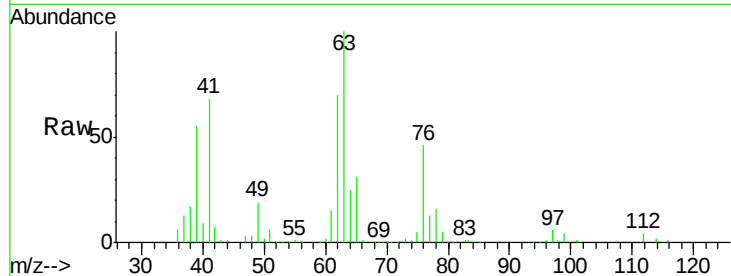
#45
 1,2-Dichloropropane
 Concen: 18.953 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX002484.D
 Acq: 12 Jun 2018 23:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBS02

Tot Ion: 63 Resp: 49368
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.7 37.1

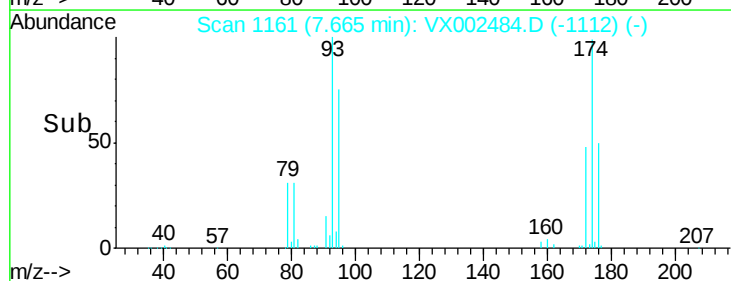
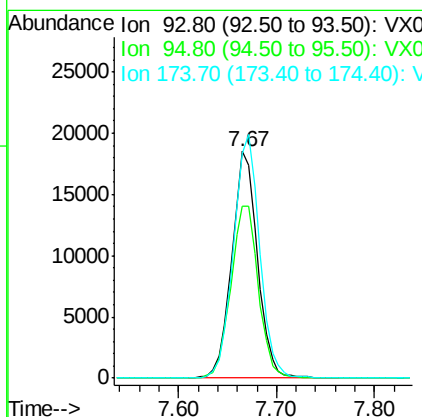
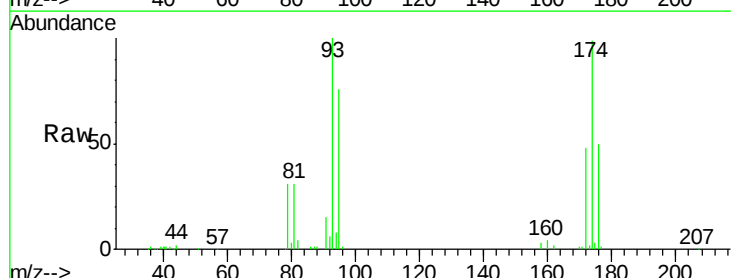
Manual Integrations
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 6/13/2018 1:59:40 PM



#46
 Dibromomethane
 Concen: 19.154 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX002484.D
 Acq: 12 Jun 2018 23:58

Tgt Ion: 93 Resp: 33821
 Ion Ratio Lower Upper
 93 100
 95 80.8 65.9 98.9
 174 109.4 92.4 138.6





#47

Bromodichloromethane

Concen: 18.360 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002484.D

Acq: 12 Jun 2018 23:58

Instrument :

MSVOA_X

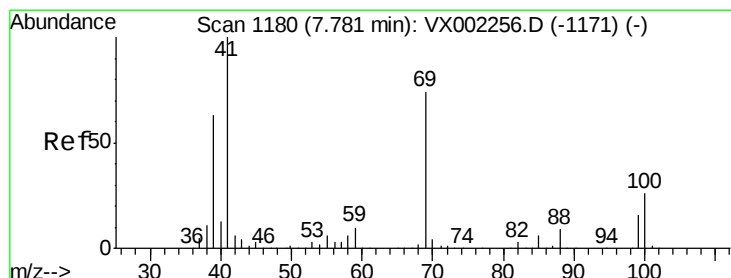
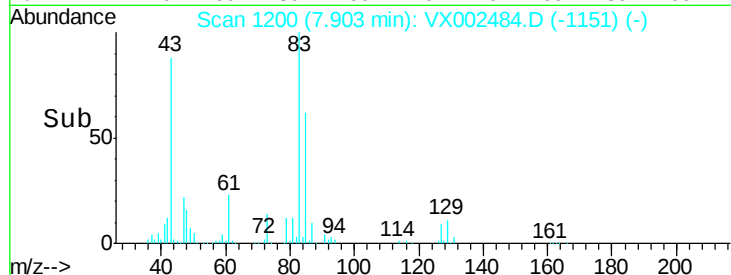
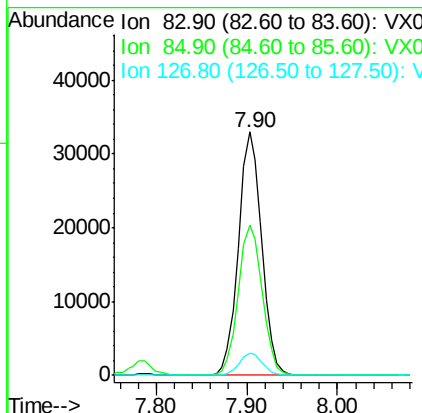
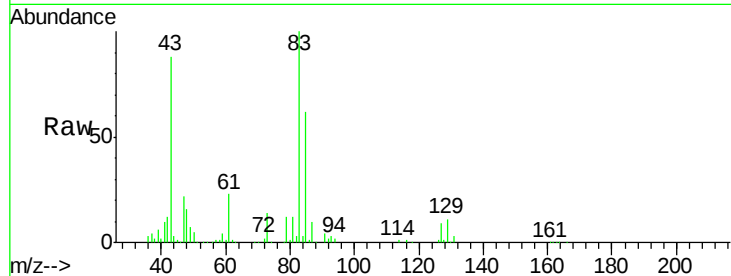
ClientSampleId :

VX0612WBS02

Tot Ion:	83	Resp:	58633
Ion	Ratio	Lower	Upper
83	100		
85	61.6	50.3	75.5
127	9.3	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.400 ug/l

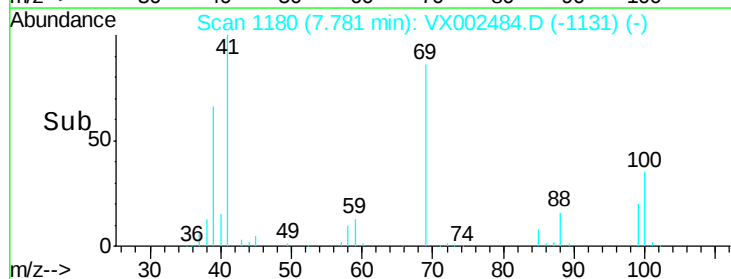
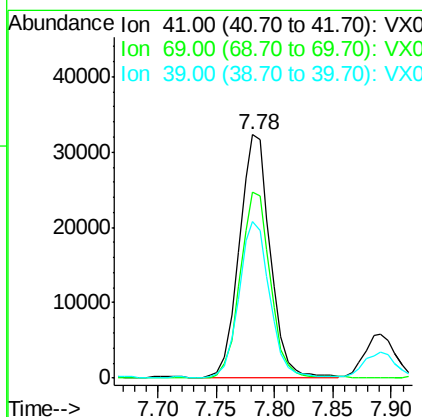
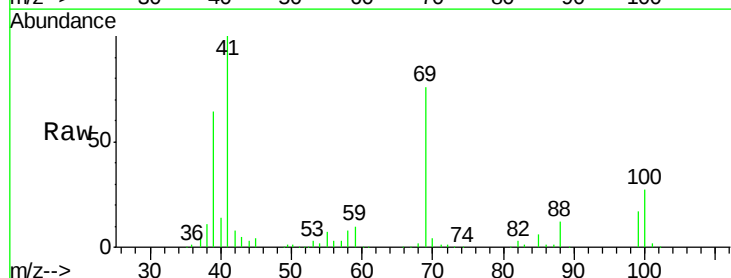
RT: 7.78 min Scan# 1180

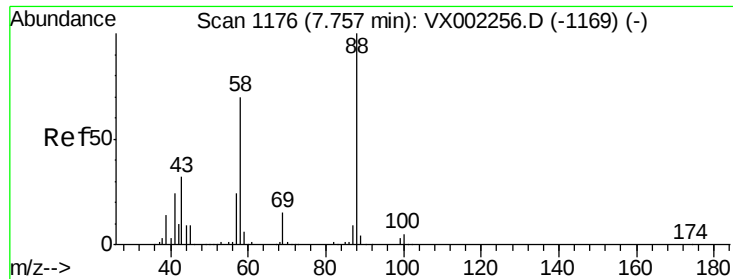
Delta R.T. -0.00 min

Lab File: VX002484.D

Acq: 12 Jun 2018 23:58

Tgt Ion:	41	Resp:	59407
Ion	Ratio	Lower	Upper
41	100		
69	75.8	59.1	88.7
39	63.8	48.9	73.3





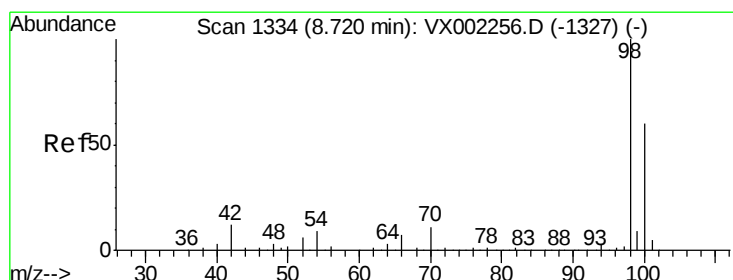
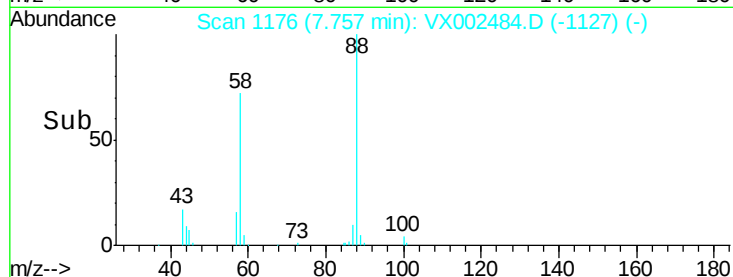
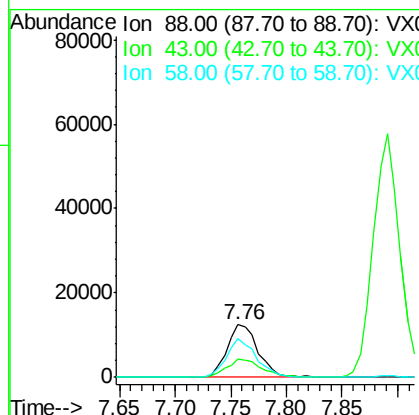
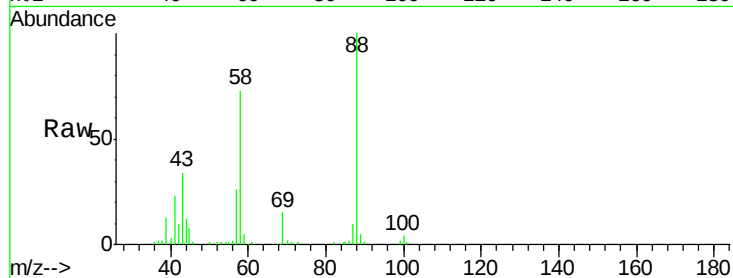
#49
1,4-Dioxane
Concen: 399.805 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX002484.D
Acq: 12 Jun 2018 23:58

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.2	29.8	44.6
58	71.2	57.1	85.7

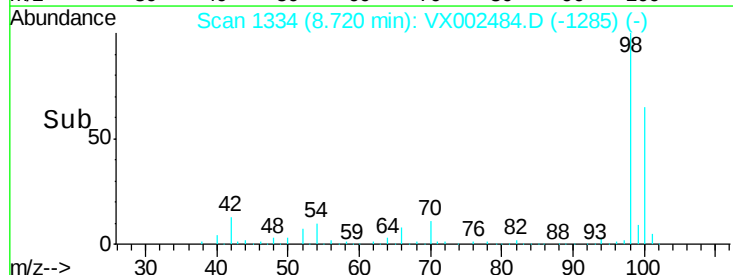
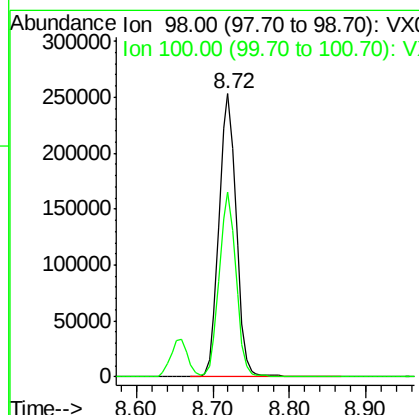
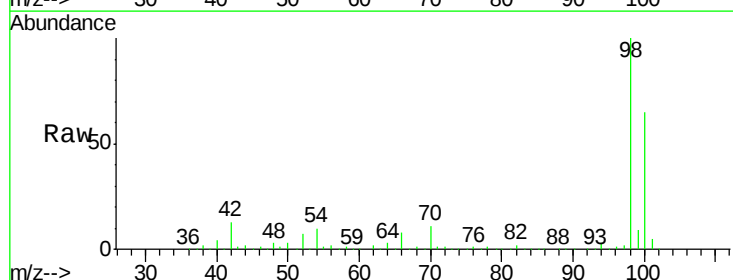
Manual Integrations
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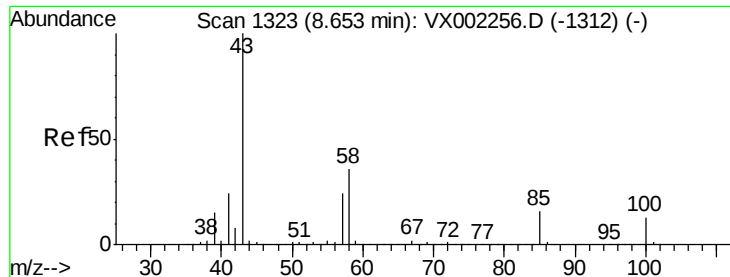
MMDadoda
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#50
Toluene-d8
Concen: 43.923 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002484.D
Acq: 12 Jun 2018 23:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 97.297 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002484.D

Acq: 12 Jun 2018 23:58

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS02

Tot Ion: 43 Resp: 389466

Ion Ratio Lower Upper

43 100

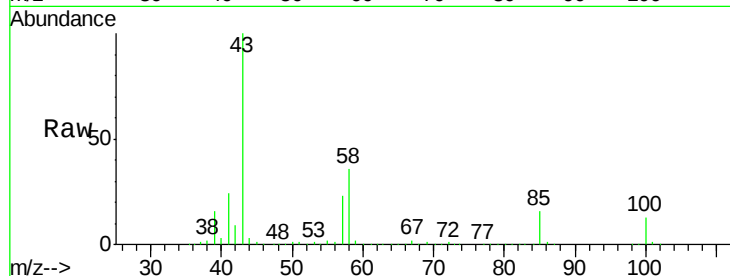
58 35.8 28.6 42.8

Manual Integrations

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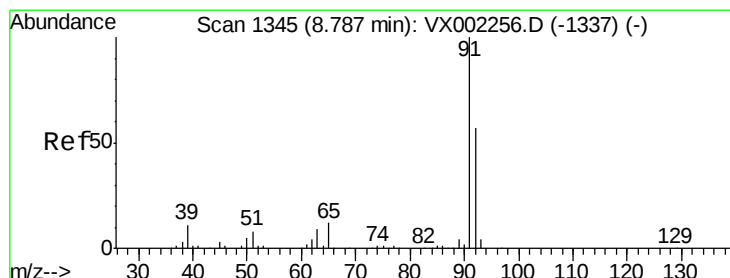
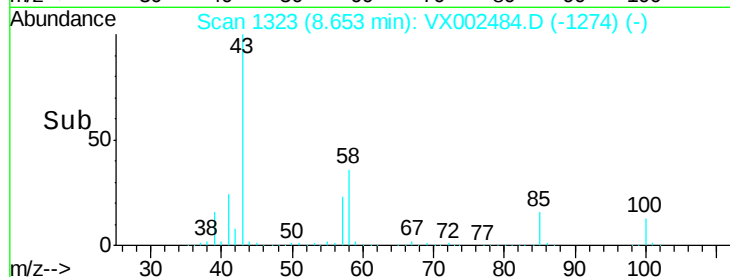
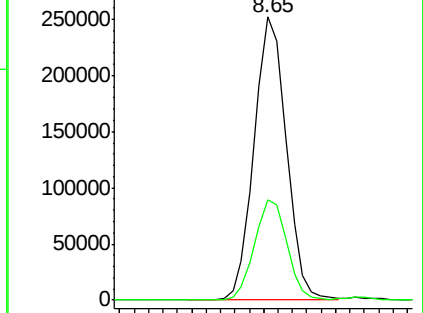
MMDadoda

6/13/2018 1:59:40 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.146 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002484.D

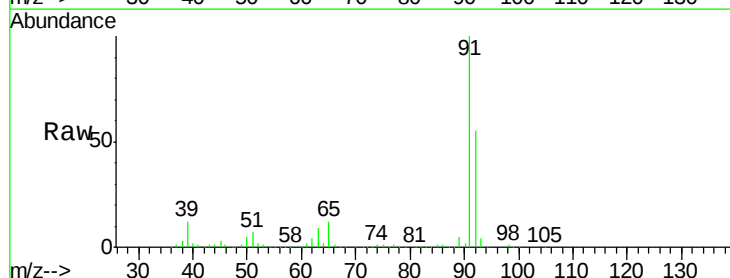
Acq: 12 Jun 2018 23:58

Tgt Ion: 92 Resp: 117490

Ion Ratio Lower Upper

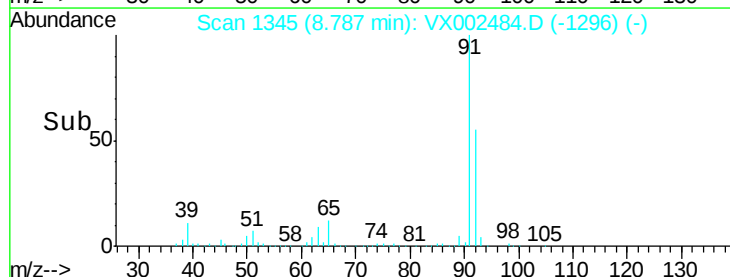
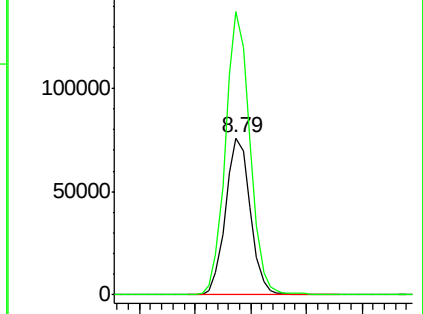
92 100

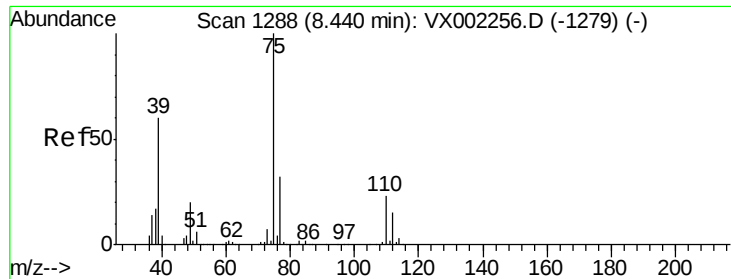
91 178.1 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





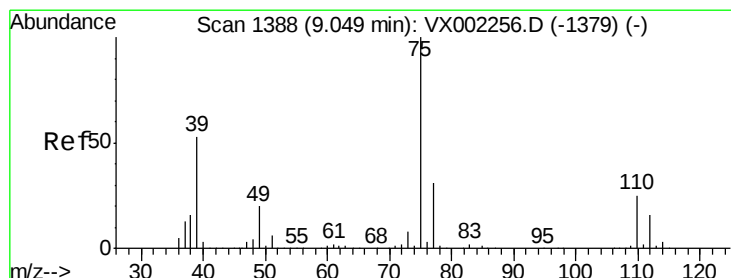
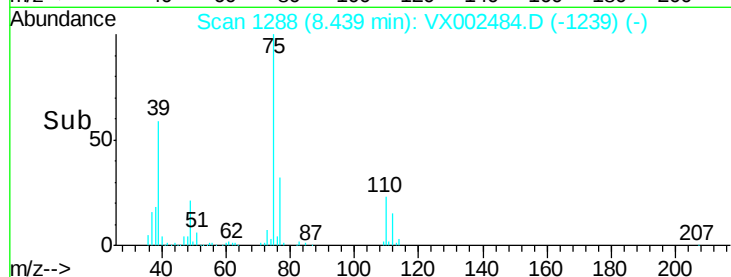
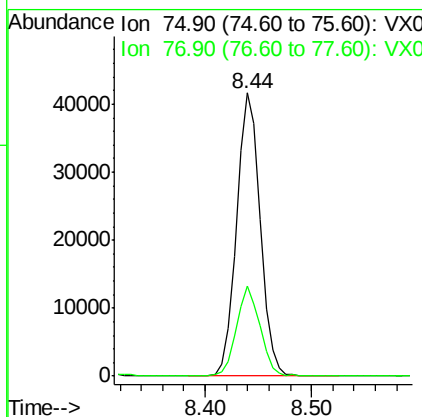
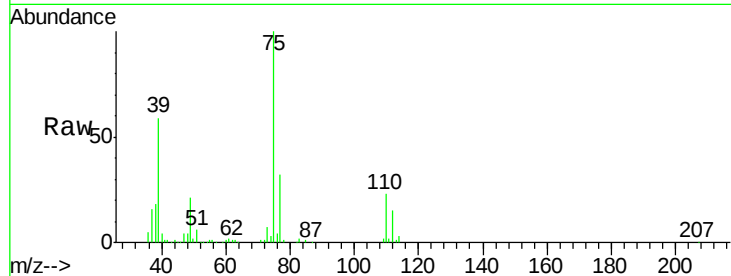
#53
t-1,3-Dichloropropene
Concen: 16.977 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX002484.D
Acq: 12 Jun 2018 23:58

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS02

Tot Ion: 75 Resp: 65017
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.2

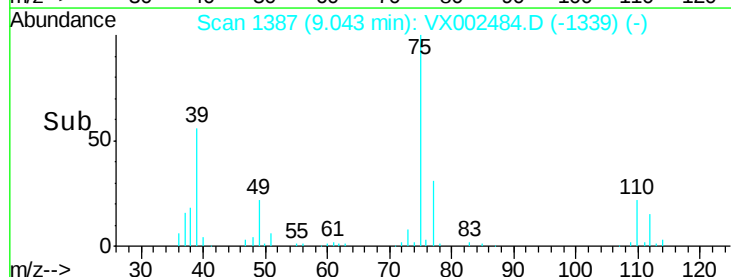
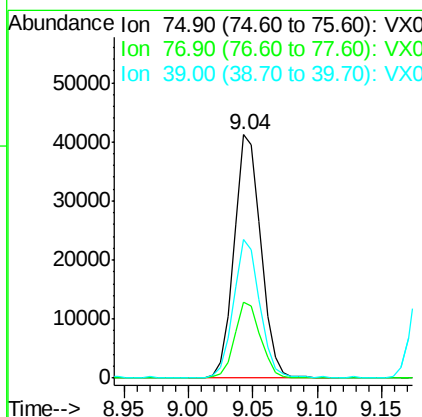
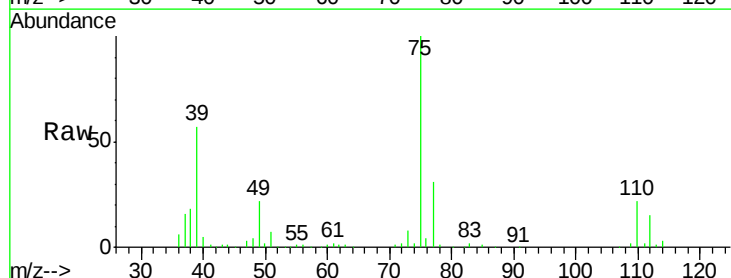
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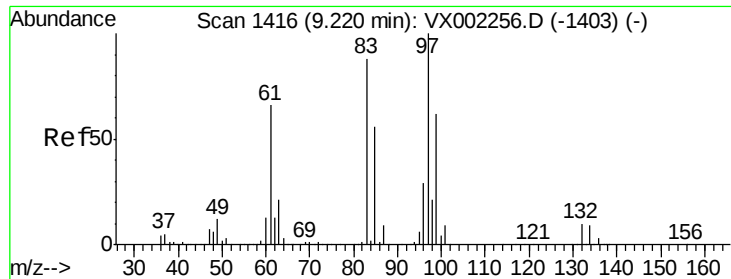
MMDadoda
6/13/2018 1:59:40 PM



#54
cis-1,3-Dichloropropene
Concen: 16.493 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX002484.D
Acq: 12 Jun 2018 23:58

Tgt Ion: 75 Resp: 59593
Ion Ratio Lower Upper
75 100
77 31.2 24.8 37.2
39 56.4 42.4 63.6





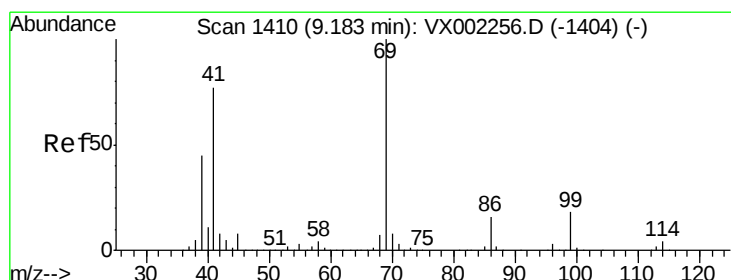
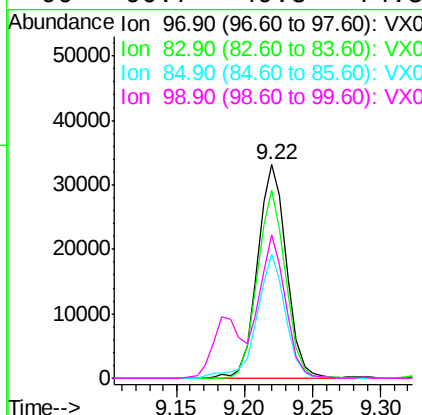
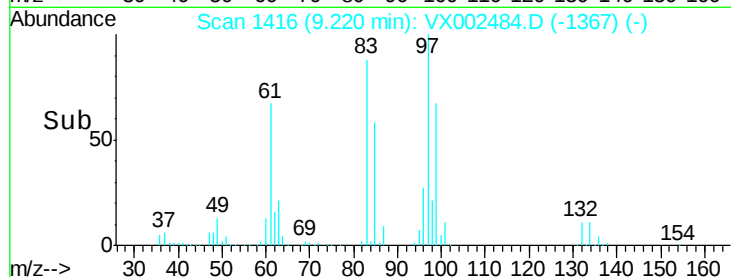
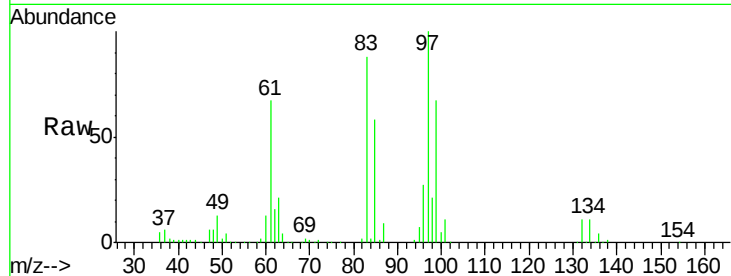
#55
 1,1,2-Trichloroethane
 Concen: 19.637 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002484.D
 Acq: 12 Jun 2018 23:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBS02

Tot Ion:	97	Resp:	49563
Ion	Ratio	Lower	Upper
97	100		
83	88.2	70.2	105.2
85	57.9	44.9	67.3
99	66.7	49.8	74.8

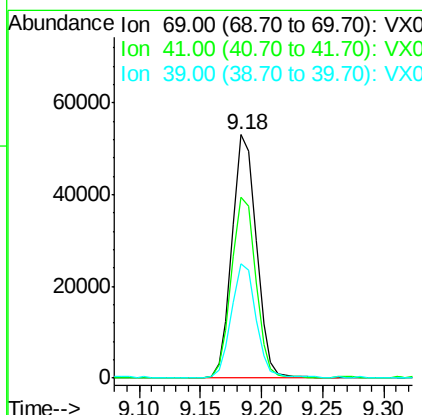
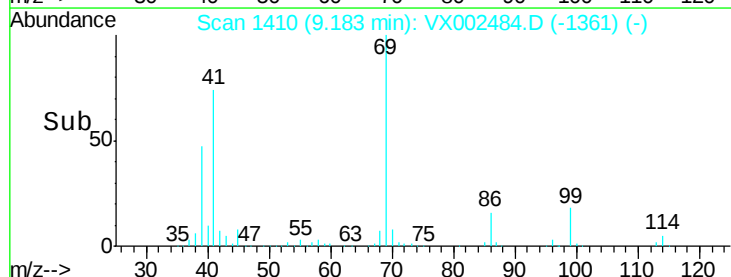
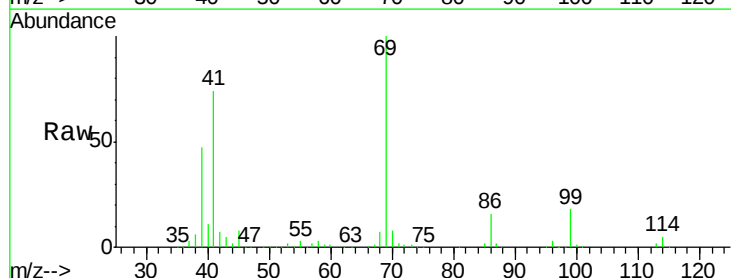
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 18.165 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002484.D
 Acq: 12 Jun 2018 23:58

Tgt Ion:	69	Resp:	73197
Ion	Ratio	Lower	Upper
69	100		
41	74.1	60.3	90.5
39	46.9	35.8	53.8





#57

1,3-Dichloropropane

Concen: 19.257 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002484.D

Acq: 12 Jun 2018 23:58

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS02

Tot Ion: 76 Resp: 81540

Ion Ratio Lower Upper

76 100

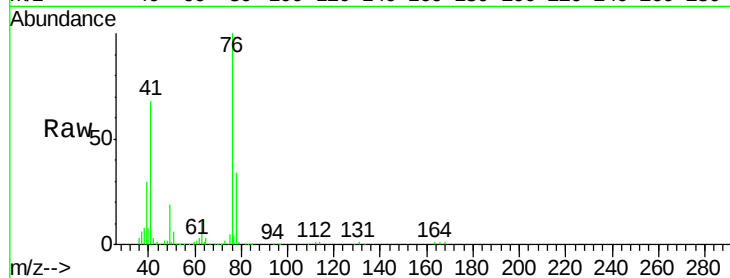
78 32.2 25.8 38.6

Manual Integrations

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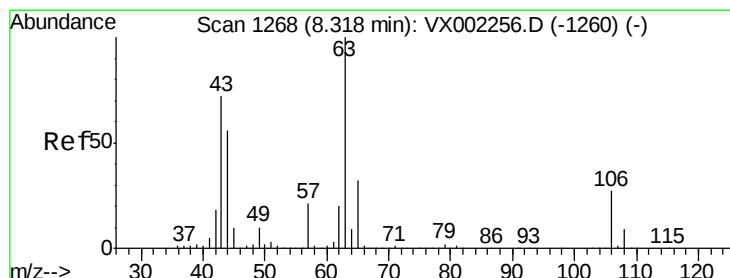
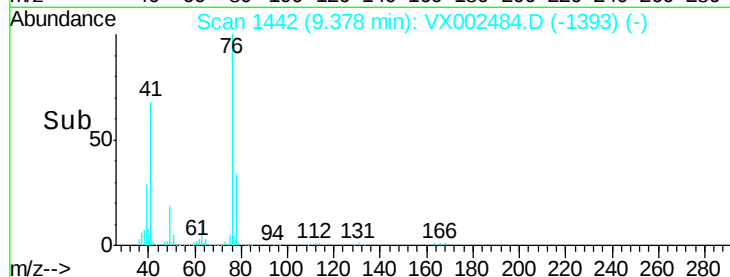
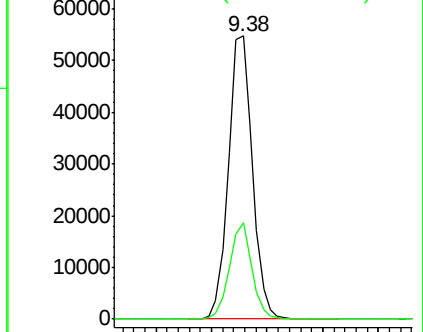
MMDadoda

6/13/2018 1:59:40 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 98.031 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002484.D

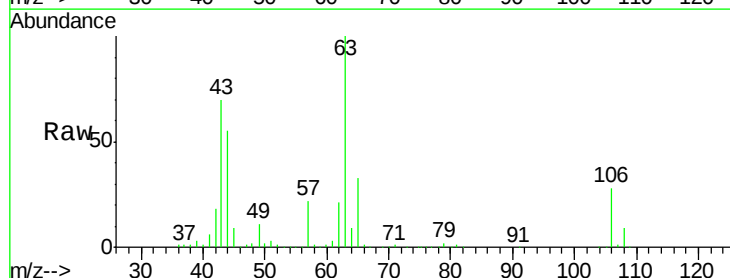
Acq: 12 Jun 2018 23:58

Tgt Ion: 63 Resp: 182829

Ion Ratio Lower Upper

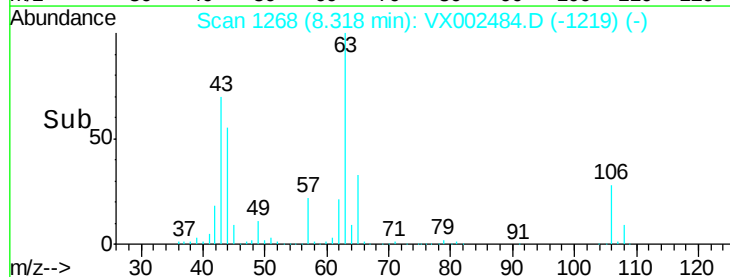
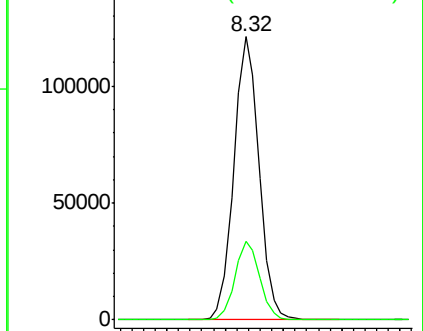
63 100

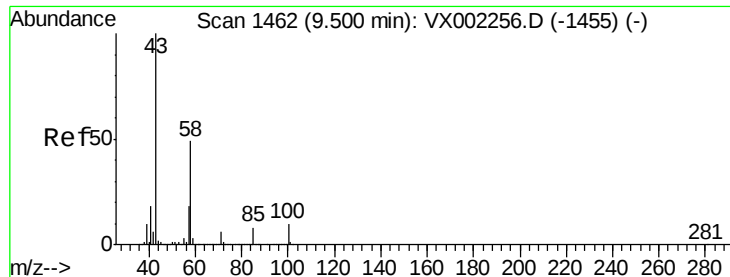
106 27.4 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





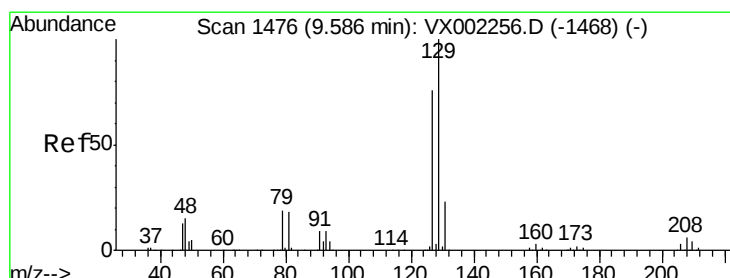
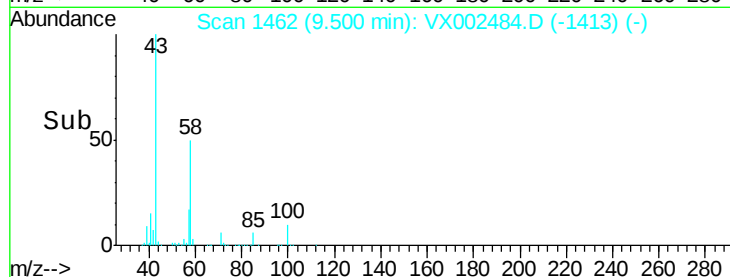
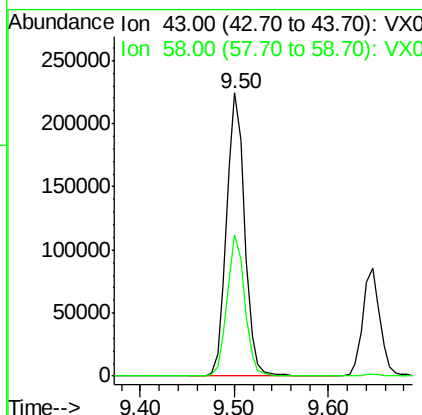
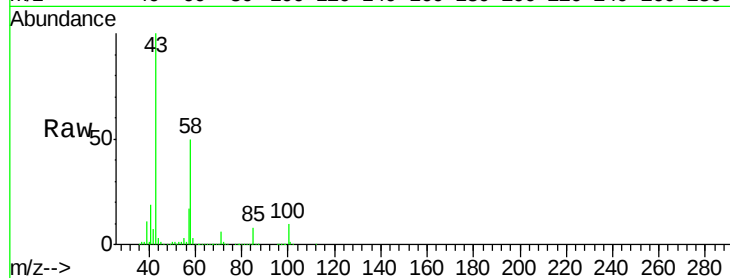
#59
2-Hexanone
Concen: 97.059 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002484.D
Acq: 12 Jun 2018 23:58

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS02

Tot Ion: 43 Resp: 300088
Ion Ratio Lower Upper
43 100
58 48.8 24.6 73.6

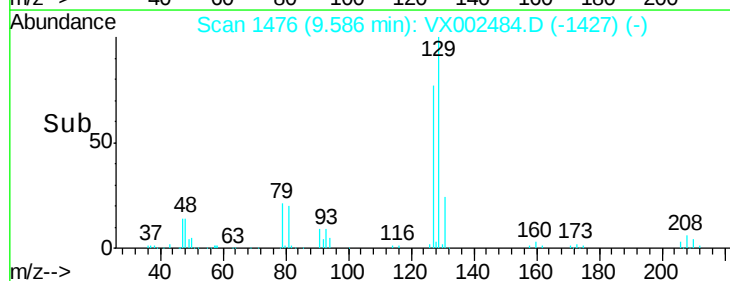
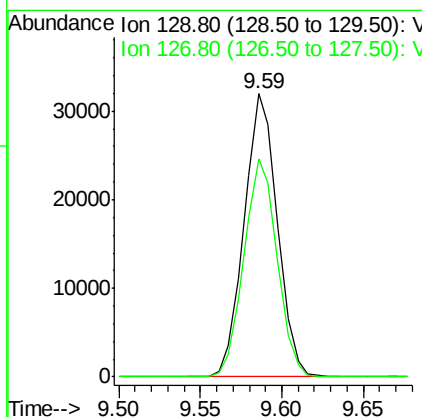
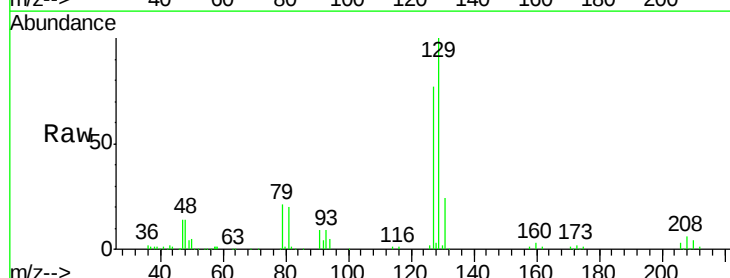
Manual Integrations
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6/13/2018 1:59:40 PM



#60
Dibromochloromethane
Concen: 17.875 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002484.D
Acq: 12 Jun 2018 23:58

Tgt Ion: 129 Resp: 45379
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.3





#61

1,2-Dibromoethane

Concen: 19.189 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002484.D

Acq: 12 Jun 2018 23:58

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS02

Tot Ion:107 Resp: 50498

Ion Ratio Lower Upper

107 100

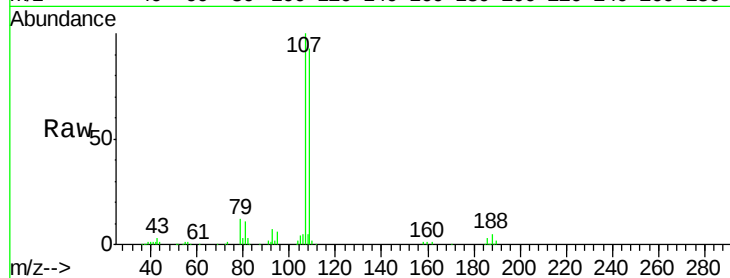
109 92.7 75.3 112.9

Manual Integrations

APPROVED

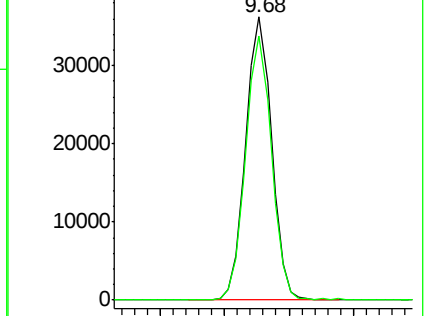
MMDadoda

6/13/2018 1:59:40 PM

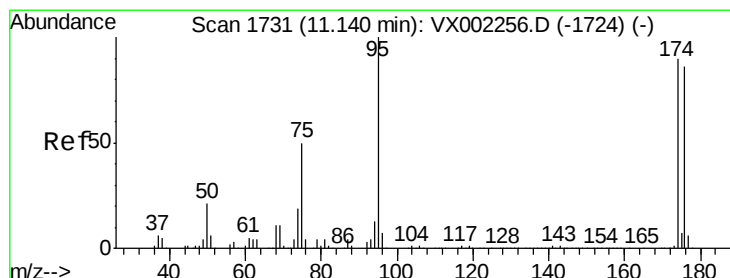
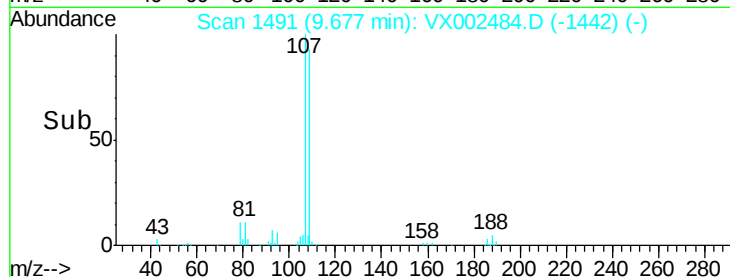


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 41.805 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002484.D

Acq: 12 Jun 2018 23:58

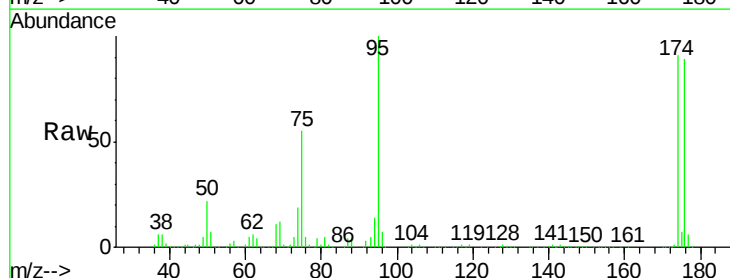
Tgt Ion: 95 Resp: 145449

Ion Ratio Lower Upper

95 100

174 95.5 0.0 187.4

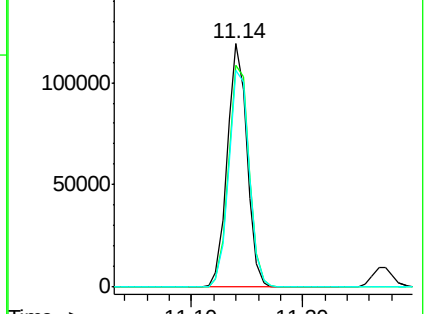
176 92.5 0.0 181.0



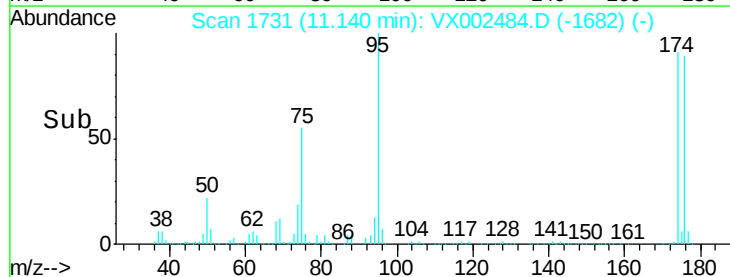
Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





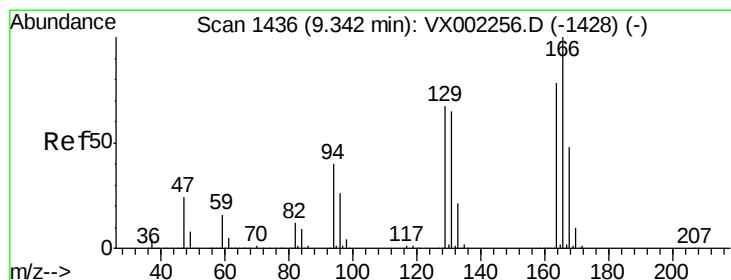
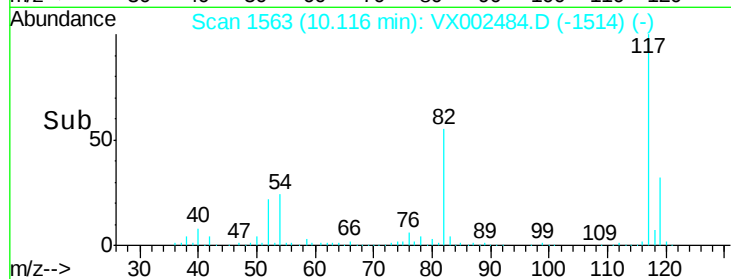
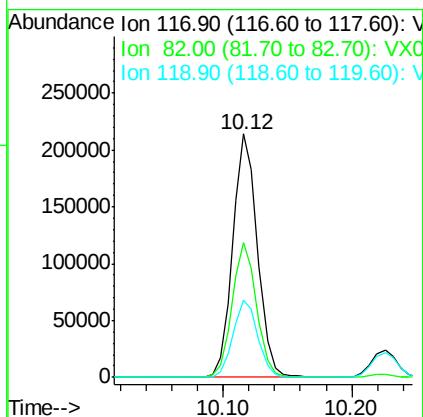
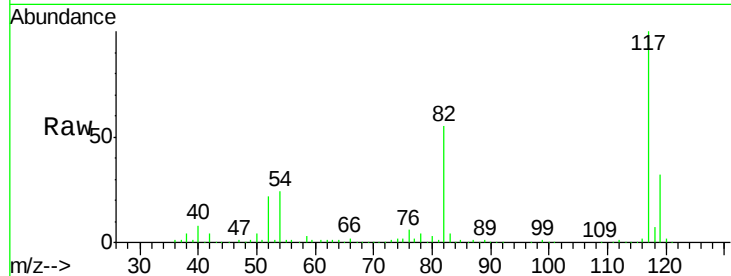
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002484.D
Acq: 12 Jun 2018 23:58

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	45.0	67.4
119	31.6	25.8	38.6

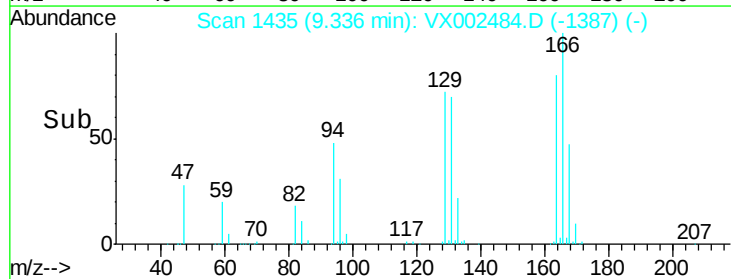
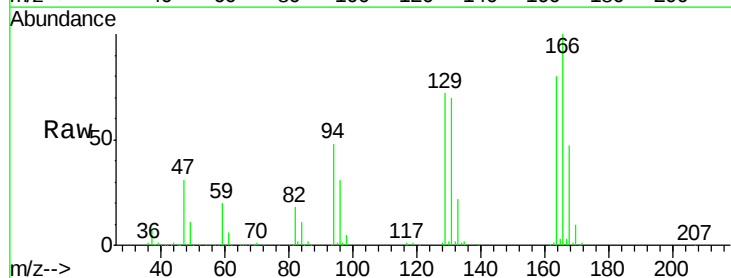
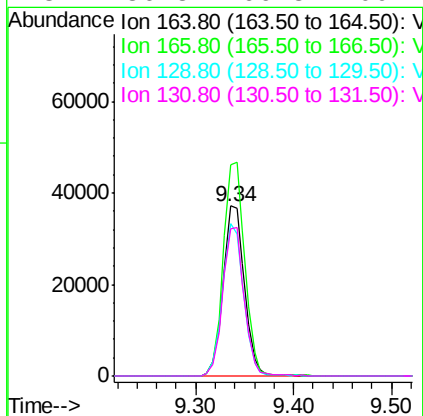
Manual Integrations
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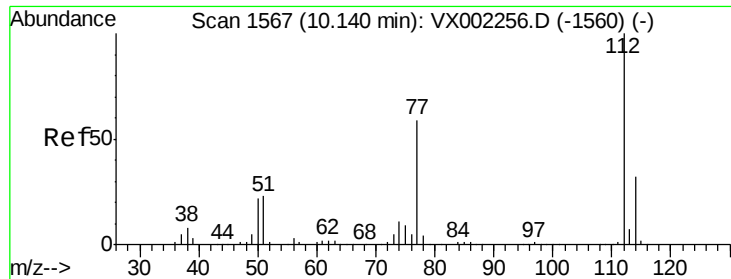
MMDadoda
6/13/2018 1:59:40 PM



#64
Tetrachloroethene
Concen: 19.109 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX002484.D
Acq: 12 Jun 2018 23:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.5	102.9	154.3
129	89.5	68.6	102.8
131	86.8	66.8	100.2





#65

Chlorobenzene

Concen: 19.336 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX002484.D

Acq: 12 Jun 2018 23:58

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS02

Tot Ion:112 Resp: 137716

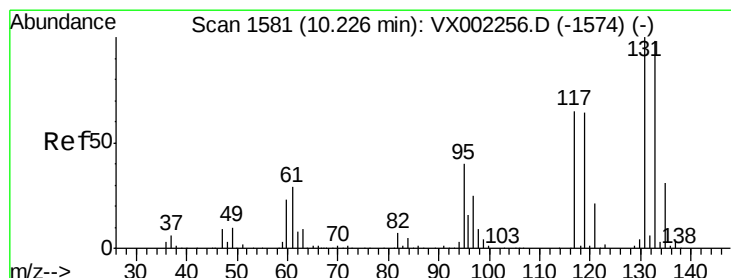
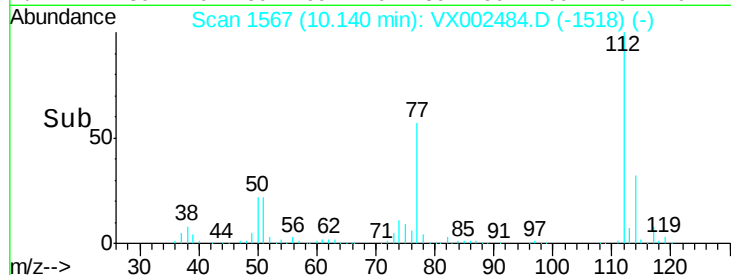
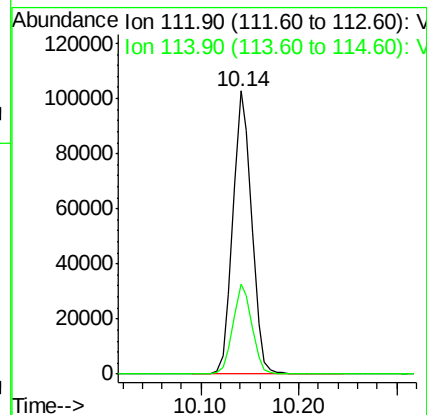
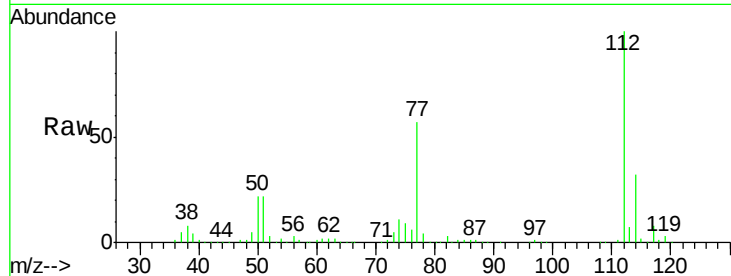
Ion Ratio Lower Upper

112 100

114 32.0 25.3 37.9

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#66

1,1,1,2-Tetrachloroethane

Concen: 18.526 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002484.D

Acq: 12 Jun 2018 23:58

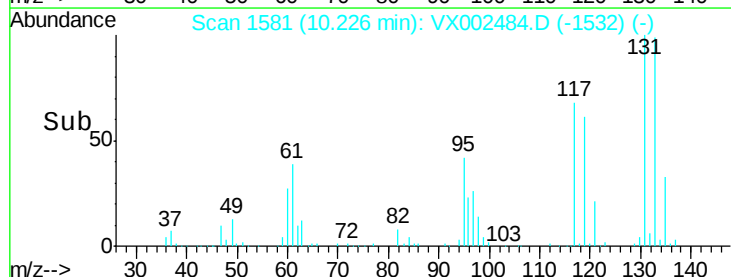
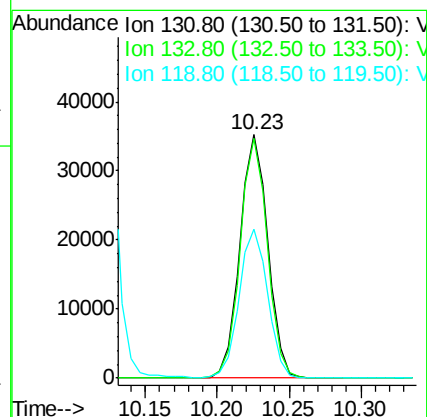
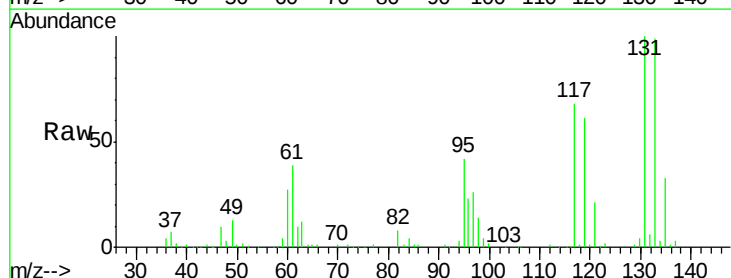
Tgt Ion:131 Resp: 47777

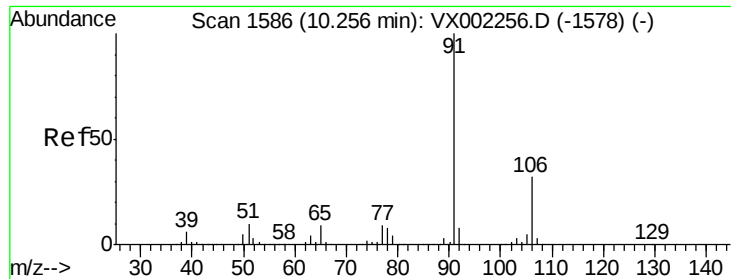
Ion Ratio Lower Upper

131 100

133 95.4 47.9 143.6

119 62.8 31.8 95.3





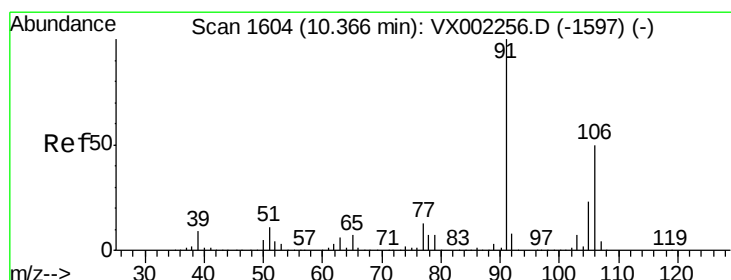
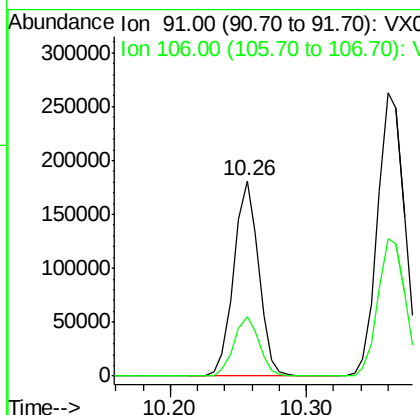
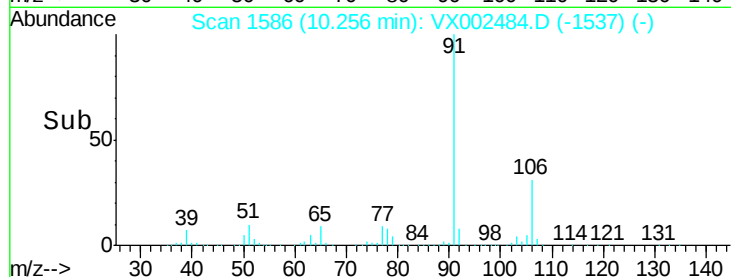
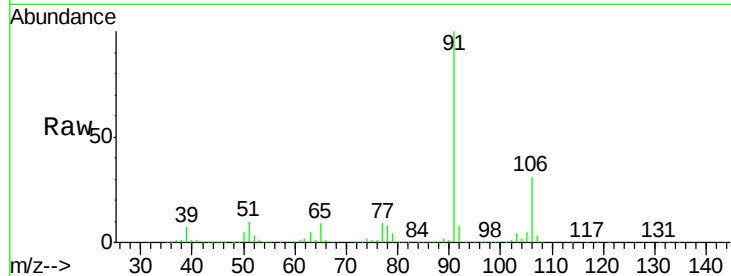
#67
Ethyl Benzene
Concen: 19.424 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002484.D
Acq: 12 Jun 2018 23:58

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS02

Tot Ion: 91 Resp: 231522
Ion Ratio Lower Upper
91 100
106 30.6 25.5 38.3

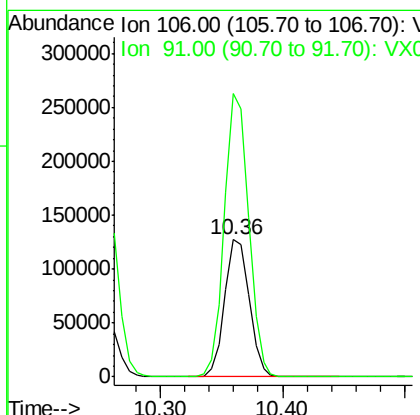
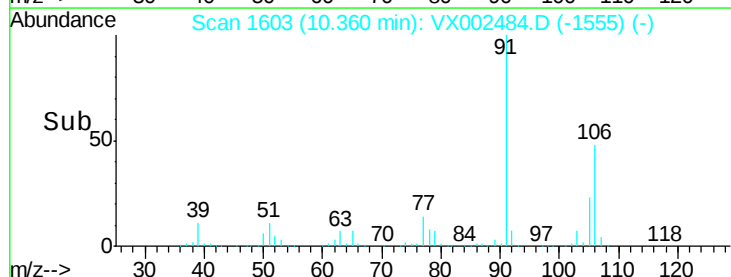
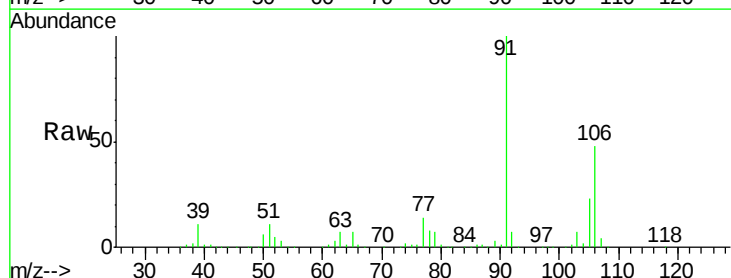
Manual Integrations
APPROVED

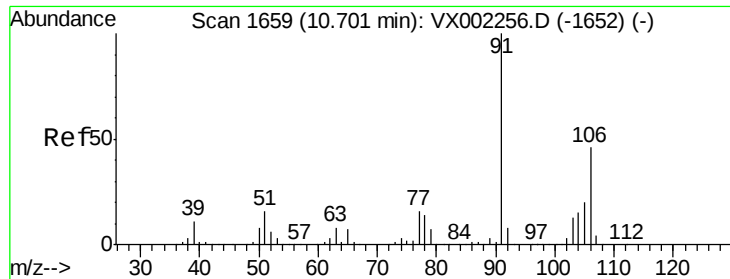
MMDadoda
6/13/2018 1:59:40 PM



#68
m/p-Xylenes
Concen: 38.367 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX002484.D
Acq: 12 Jun 2018 23:58

Tgt Ion: 106 Resp: 177769
Ion Ratio Lower Upper
106 100
91 203.7 163.4 245.2





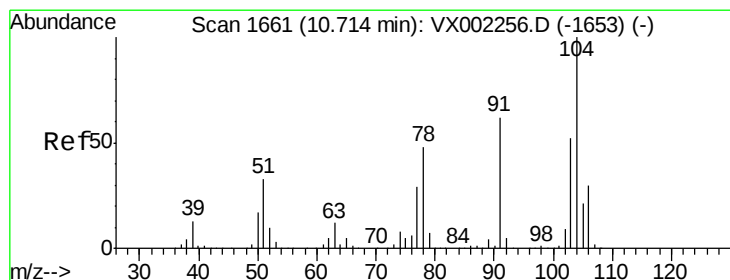
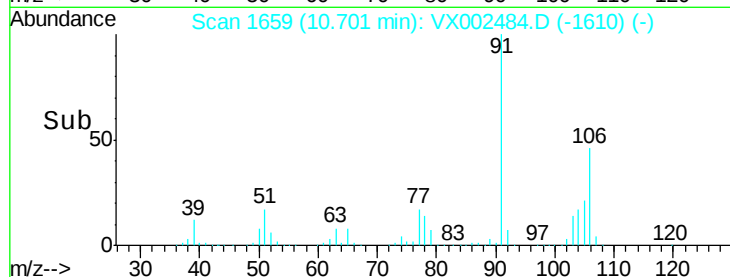
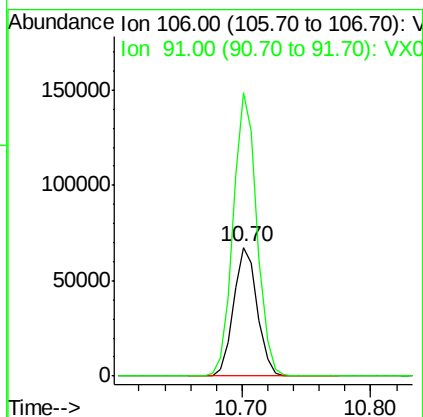
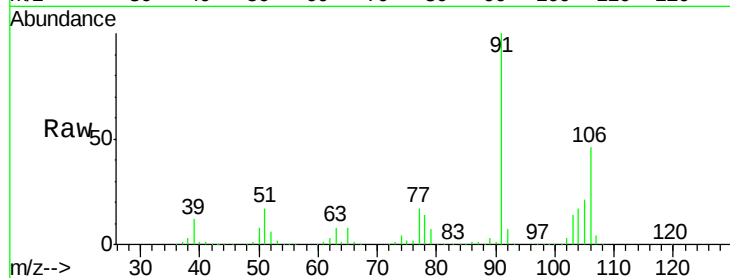
#69
o-Xylene
Concen: 18.806 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002484.D
Acq: 12 Jun 2018 23:58

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS02

Tot Ion:106 Resp: 86711
Ion Ratio Lower Upper
106 100
91 219.5 108.2 324.6

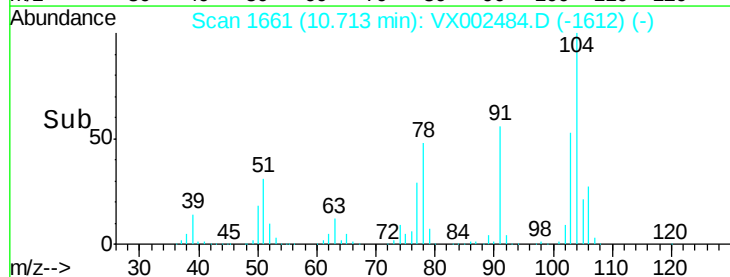
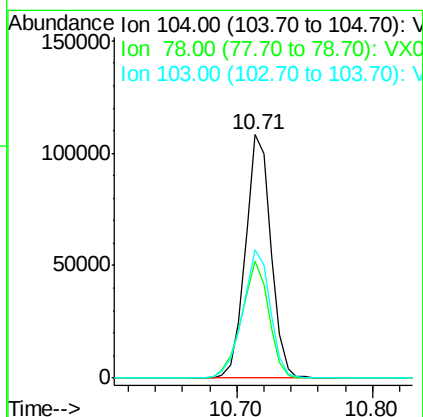
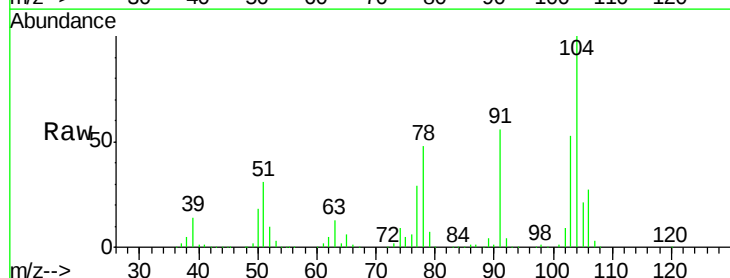
Manual Integrations
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6/13/2018 1:59:40 PM



#70
Styrene
Concen: 18.841 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002484.D
Acq: 12 Jun 2018 23:58

Tgt Ion:104 Resp: 142021
Ion Ratio Lower Upper
104 100
78 51.6 41.0 61.6
103 57.1 44.2 66.4





#71

Bromoform

Concen: 16.810 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002484.D

Acq: 12 Jun 2018 23:58

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS02

Tot Ion:173 Resp: 33131

Ion Ratio Lower Upper

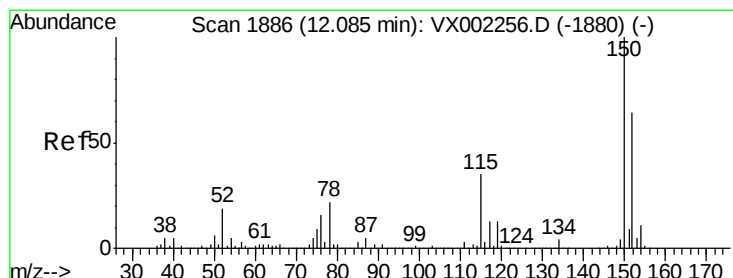
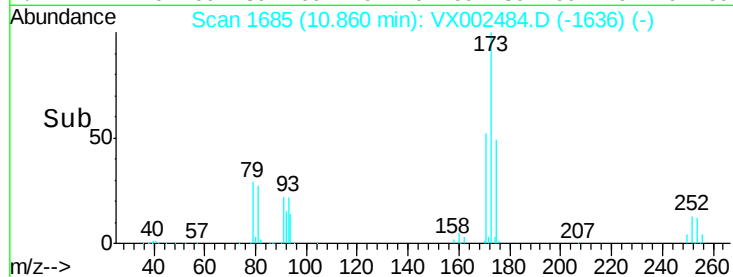
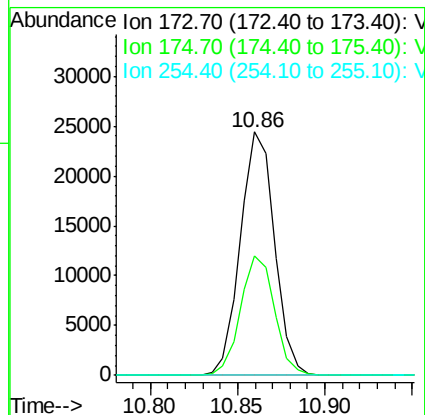
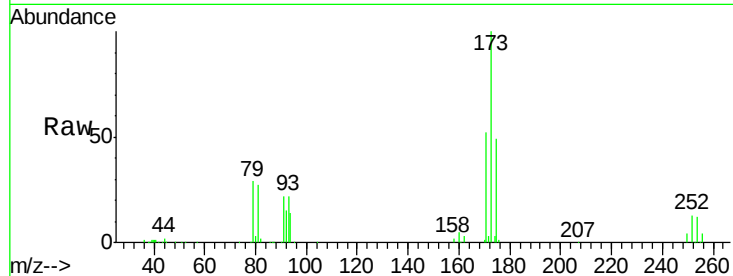
173 100

175 48.8 24.7 74.1

254 0.1 0.2 0.2#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX002484.D

Acq: 12 Jun 2018 23:58

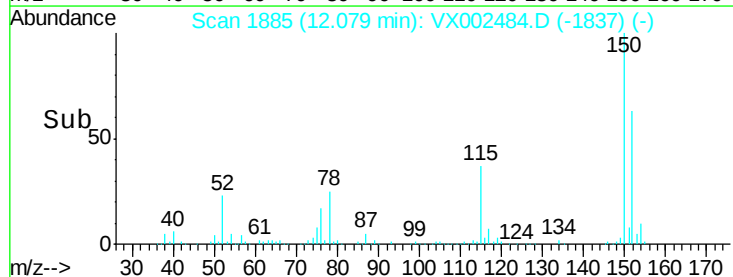
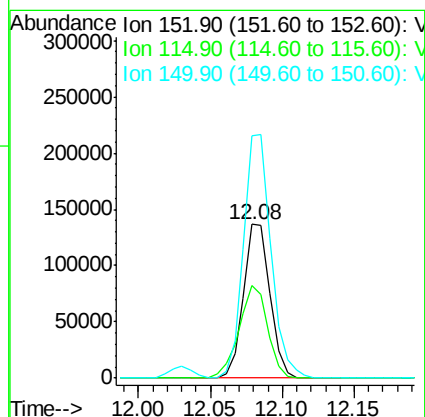
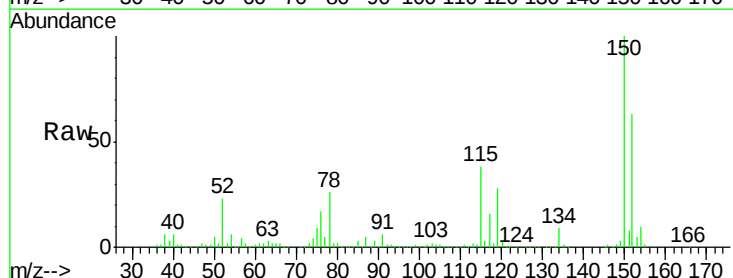
Tgt Ion:152 Resp: 174119

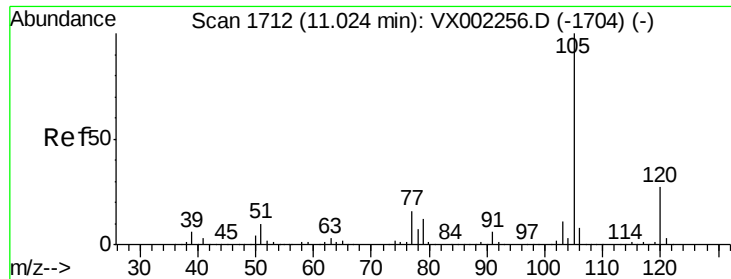
Ion Ratio Lower Upper

152 100

115 65.6 40.1 120.2

150 164.2 0.0 347.2





#73

Isopropylbenzene

Concen: 19.726 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002484.D

Acq: 12 Jun 2018 23:58

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS02

Tot Ion: 105 Resp: 238930

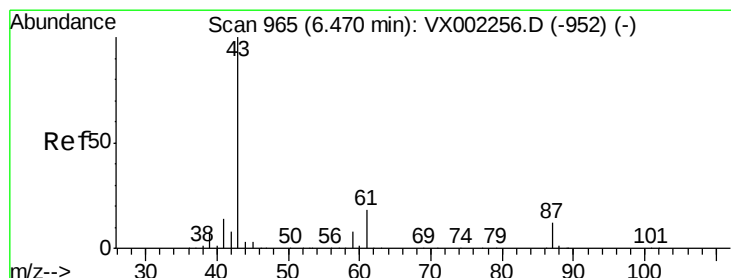
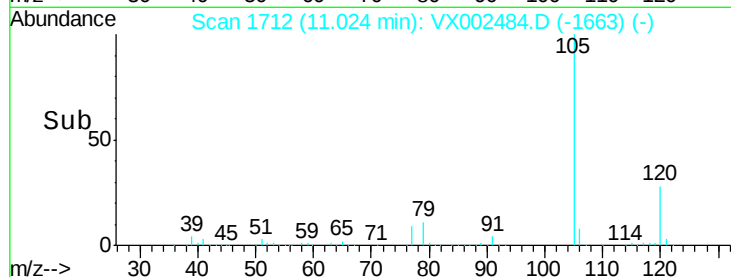
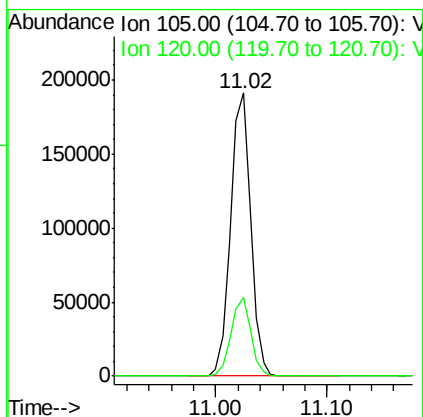
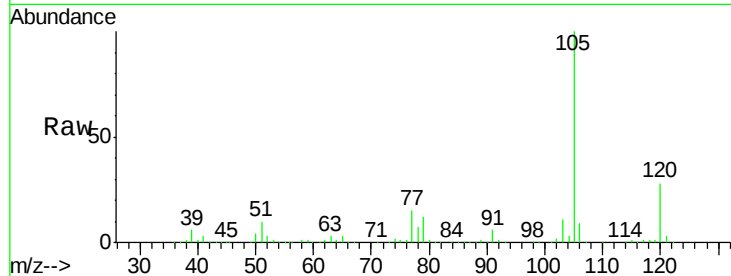
Ion Ratio Lower Upper

105 100

120 27.2 13.5 40.4

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#74

N-ethyl acetate

Concen: 17.921 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002484.D

Acq: 12 Jun 2018 23:58

Tgt Ion: 43 Resp: 116962

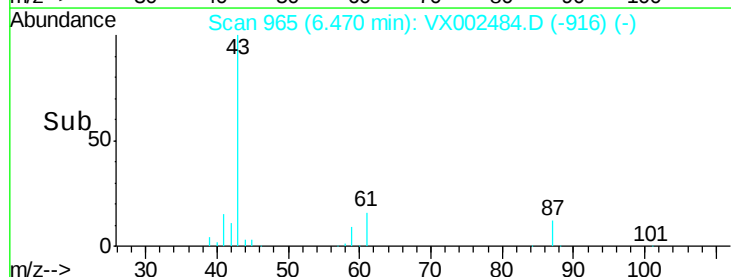
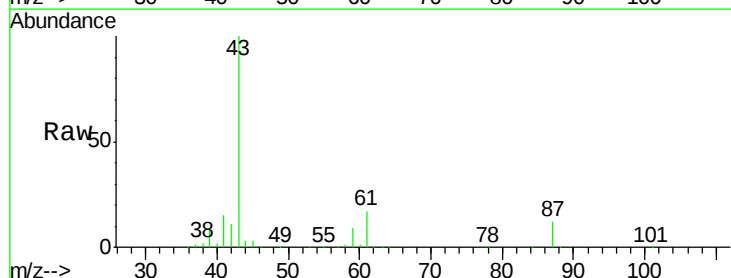
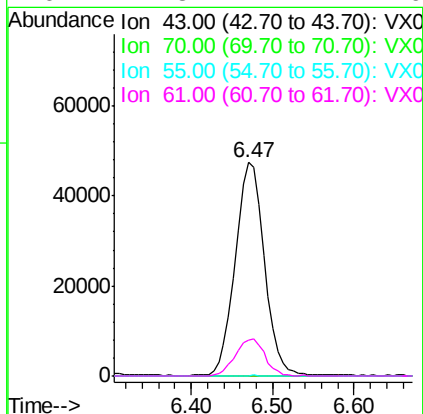
Ion Ratio Lower Upper

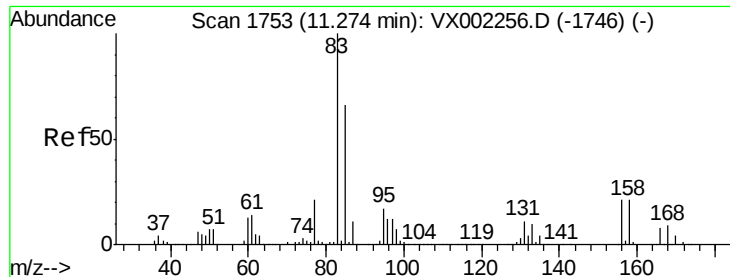
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 17.8 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.627 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX002484.D

Acq: 12 Jun 2018 23:58

Instrument :

MSVOA_X

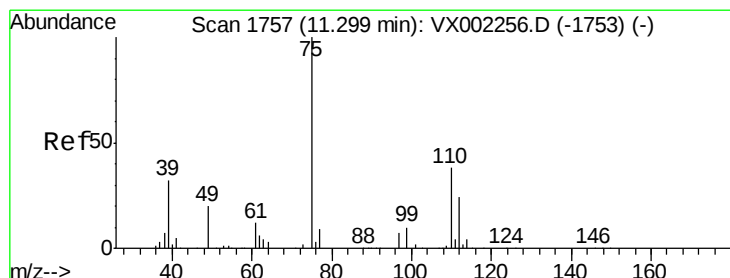
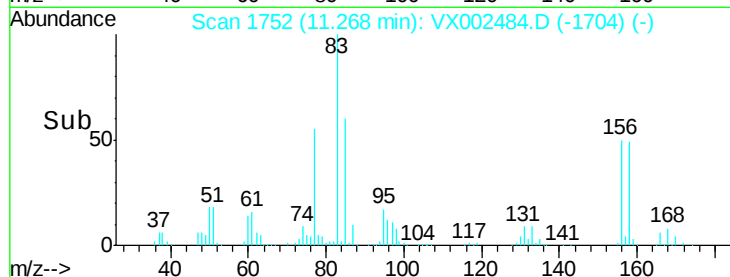
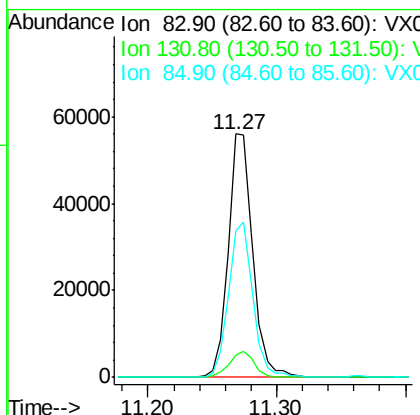
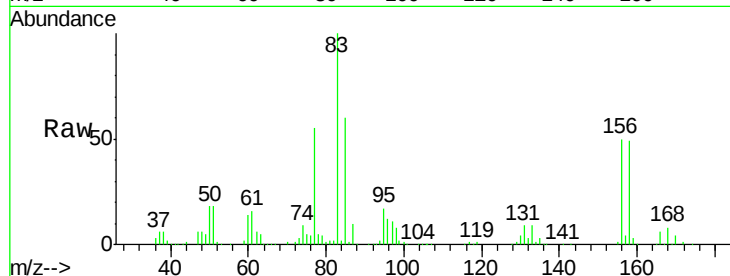
ClientSampleId :

VX0612WBS02

Tot Ion:	83	Resp:	74772
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.6	16.8
85	63.4	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 18.946 ug/l m

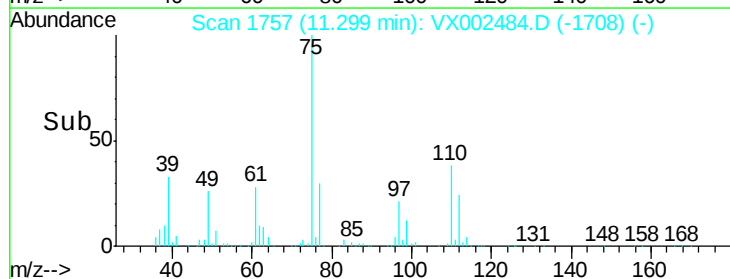
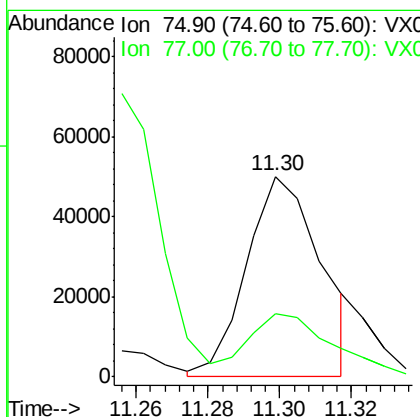
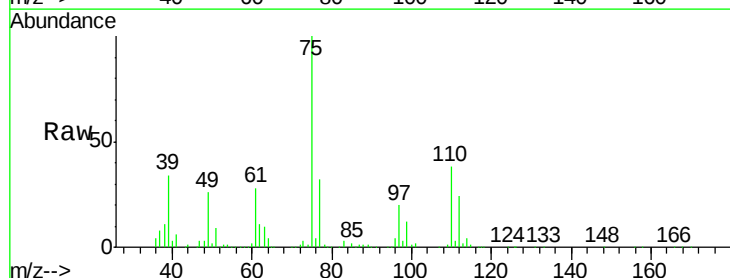
RT: 11.30 min Scan# 1757

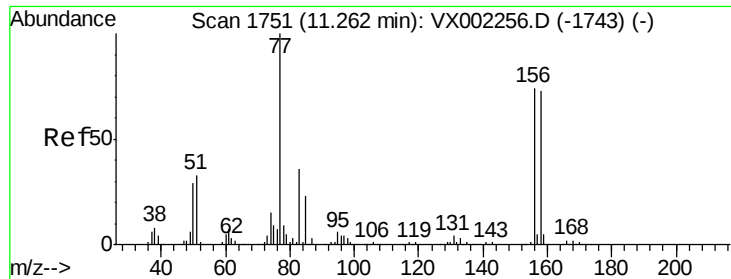
Delta R.T. -0.00 min

Lab File: VX002484.D

Acq: 12 Jun 2018 23:58

Tgt Ion:	75	Resp:	72387
Ion	Ratio	Lower	Upper
75	100		
77	36.3	22.8	68.3





#77

Bromobenzene

Concen: 18.959 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002484.D

Acq: 12 Jun 2018 23:58

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS02

Tot Ion:156 Resp: 64471

Ion Ratio Lower Upper

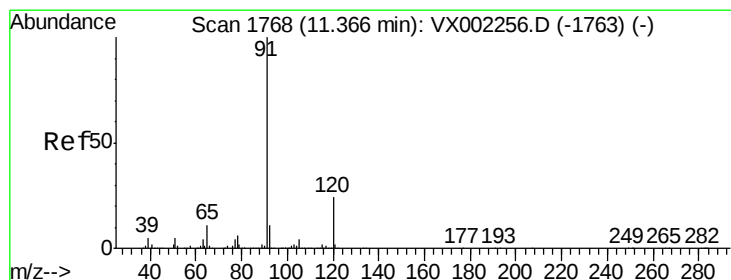
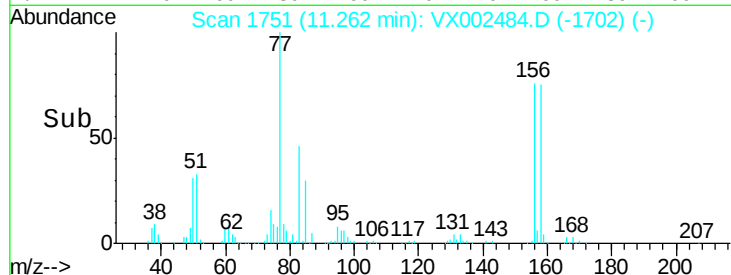
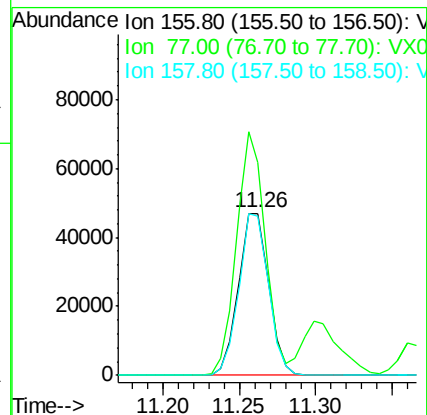
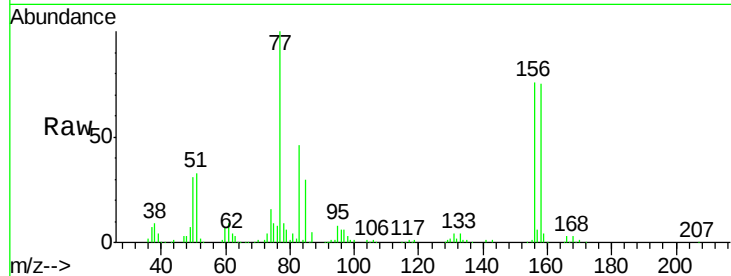
156 100

77 141.9 71.4 214.2

158 97.6 48.9 146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 20.145 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002484.D

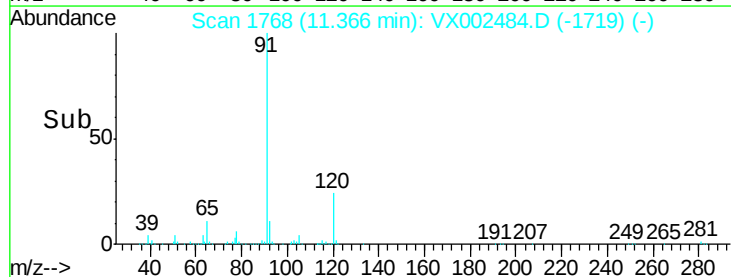
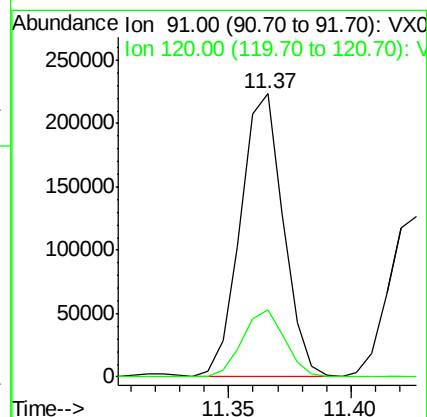
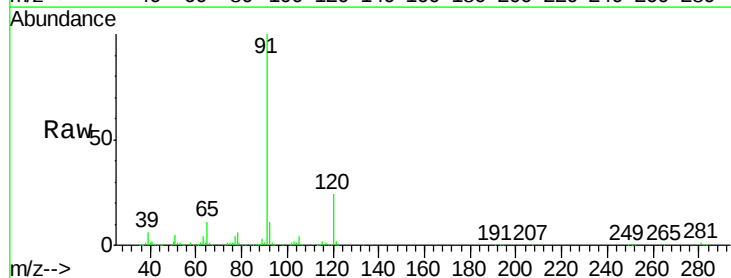
Acq: 12 Jun 2018 23:58

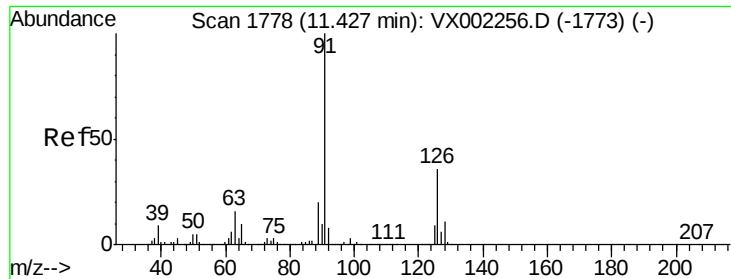
Tgt Ion: 91 Resp: 271207

Ion Ratio Lower Upper

91 100

120 23.6 11.8 35.4





#79

2-Chlorotoluene

Concen: 18.959 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002484.D

Acq: 12 Jun 2018 23:58

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS02

Tot Ion: 91 Resp: 161170

Ion Ratio Lower Upper

91 100

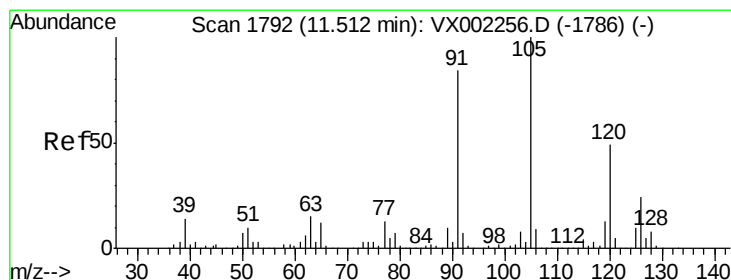
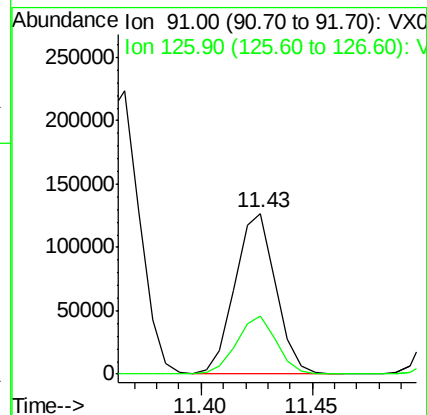
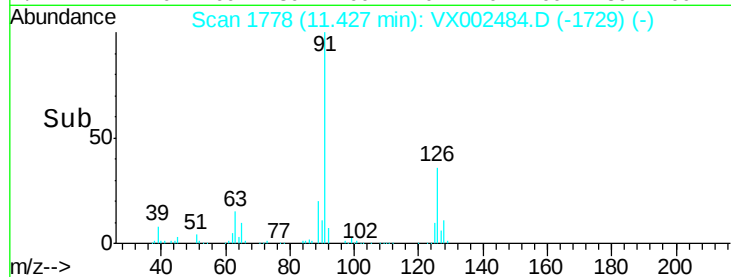
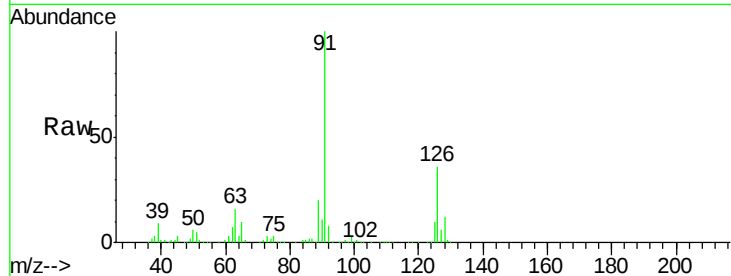
126 35.6 17.7 53.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.116 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002484.D

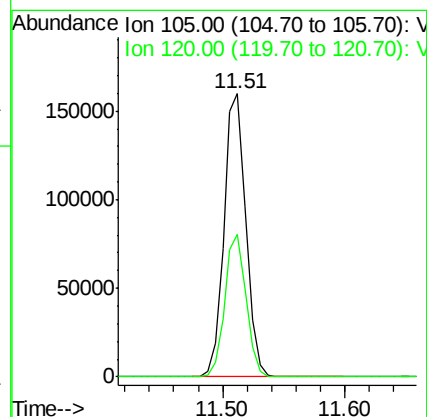
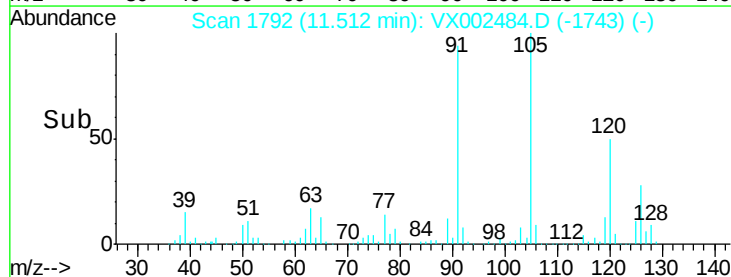
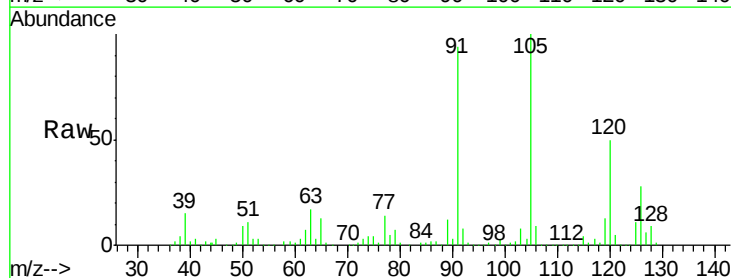
Acq: 12 Jun 2018 23:58

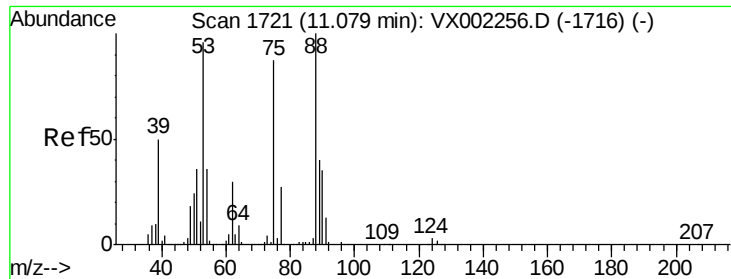
Tgt Ion: 105 Resp: 198601

Ion Ratio Lower Upper

105 100

120 49.2 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 13.567 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX002484.D

Acq: 12 Jun 2018 23:58

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS02

Tot Ion: 75 Resp: 14787

Ion Ratio Lower Upper

75 100

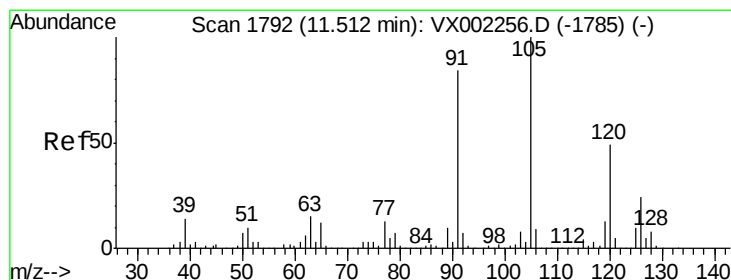
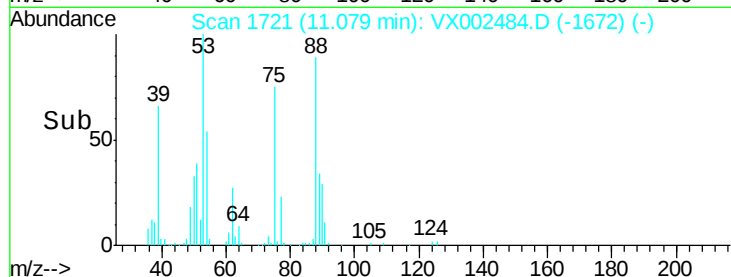
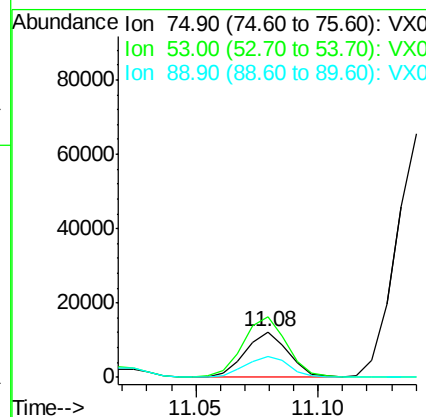
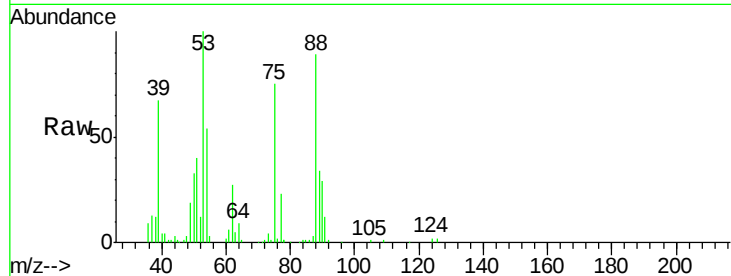
53 136.6 86.8 130.2#

89 48.5 38.2 57.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.118 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002484.D

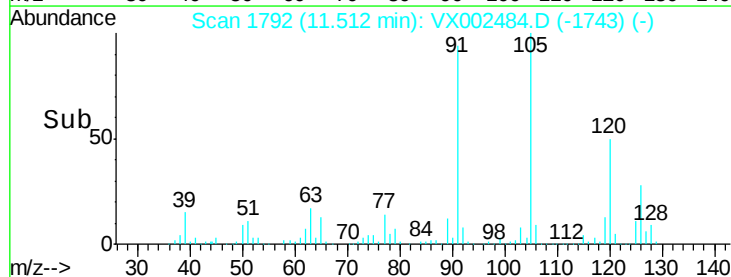
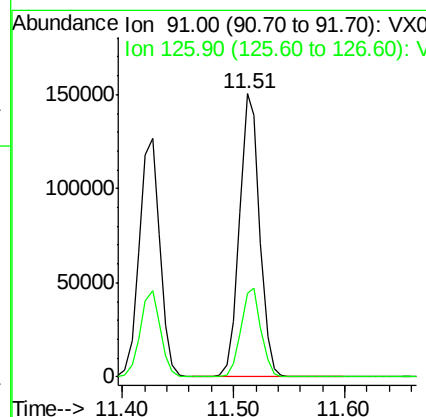
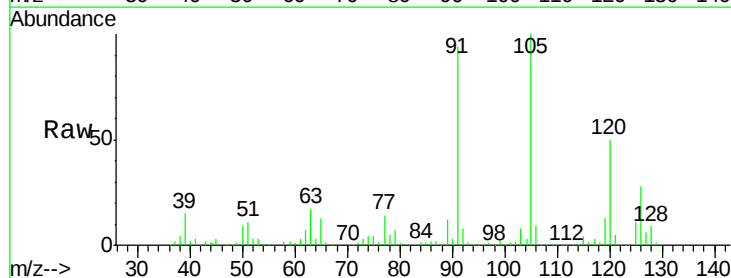
Acq: 12 Jun 2018 23:58

Tgt Ion: 91 Resp: 187588

Ion Ratio Lower Upper

91 100

126 31.4 15.4 46.4





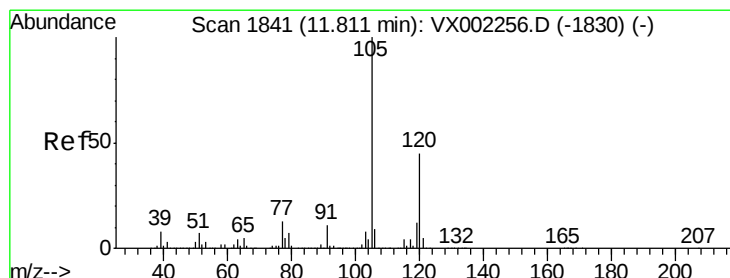
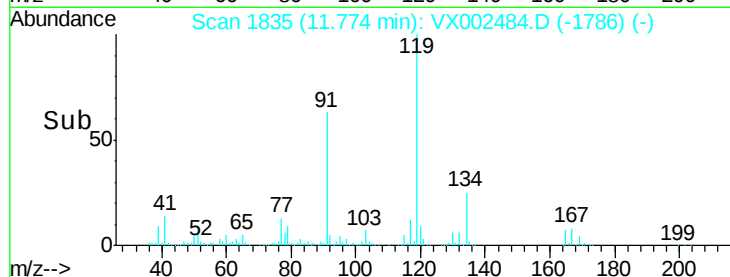
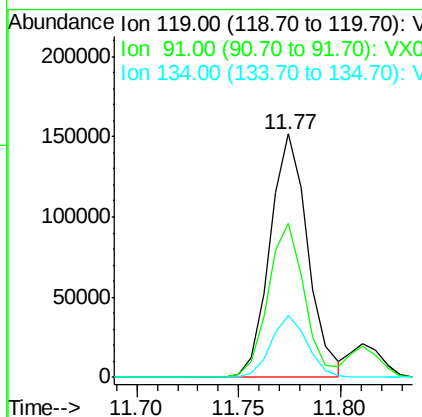
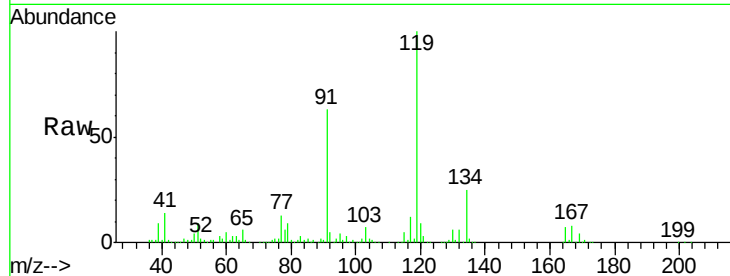
#83
tert-Butylbenzene
Concen: 19.369 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002484.D
Acq: 12 Jun 2018 23:58

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	195952		
91	61.1	30.3	90.9	
134	24.2	11.7	35.1	

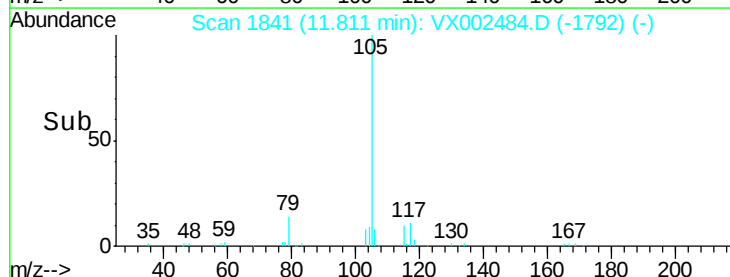
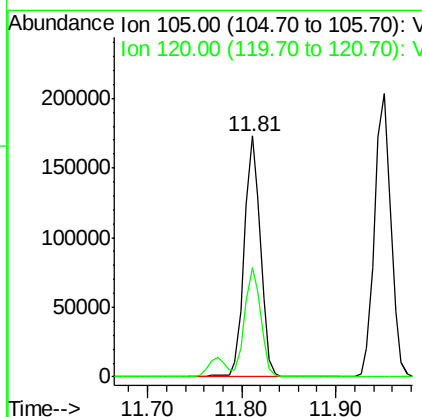
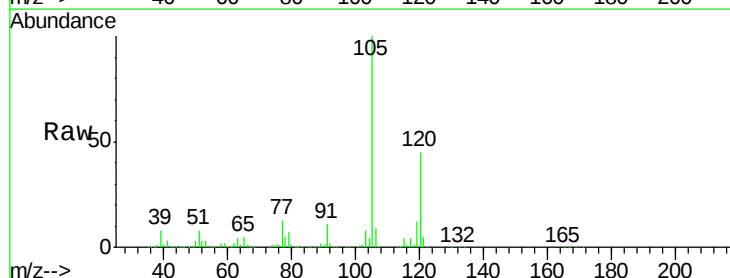
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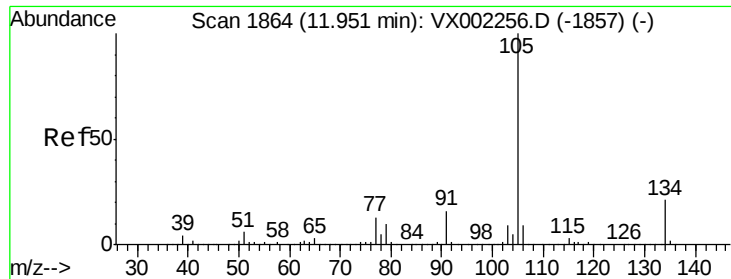
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.237 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002484.D
Acq: 12 Jun 2018 23:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	205726		
120	45.4	22.3	66.8	





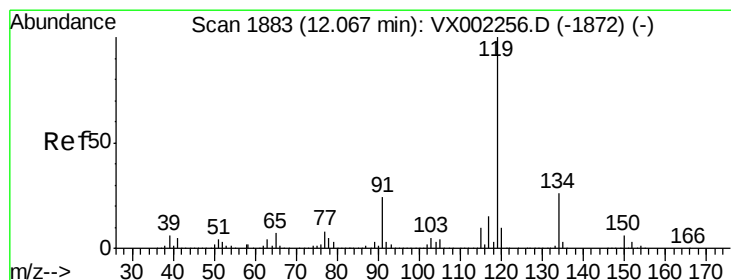
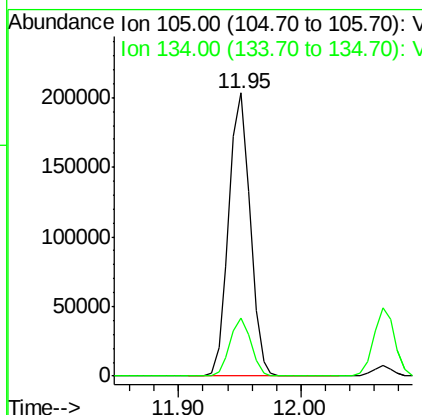
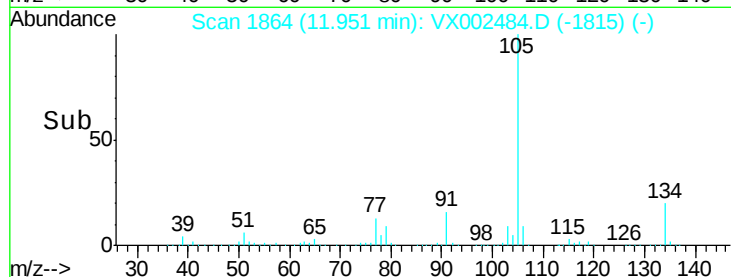
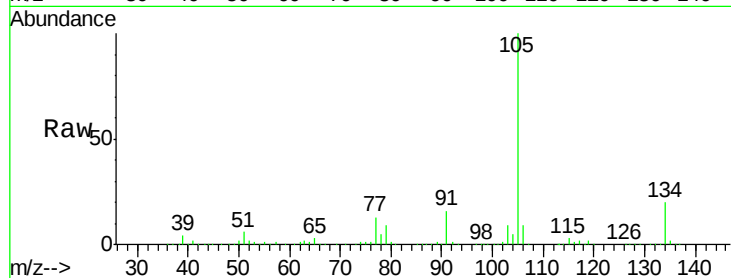
#85
 sec-Butylbenzene
 Concen: 20.654 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX002484.D
 Acq: 12 Jun 2018 23:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBS02

Tot Ion:105 Resp: 244967
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.4 31.1

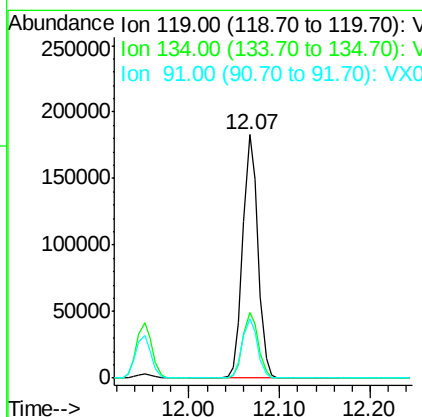
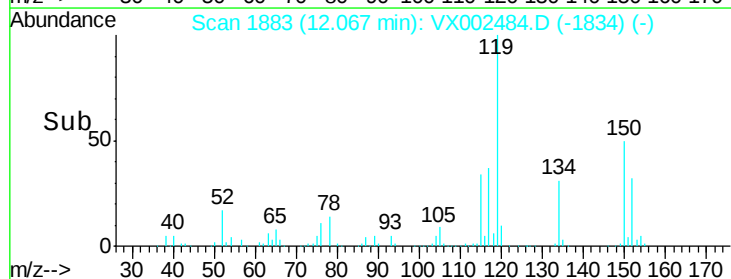
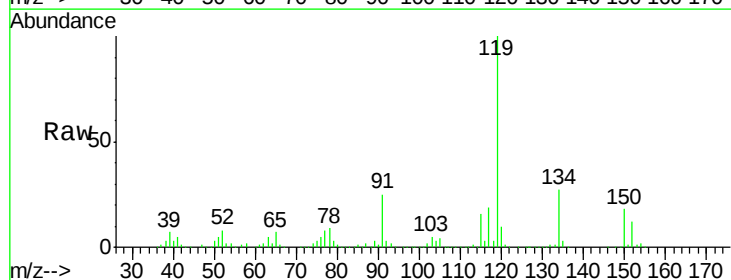
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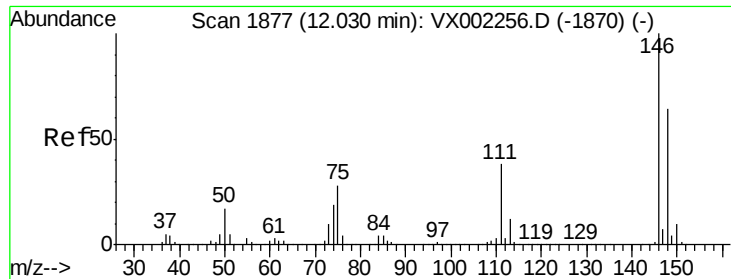
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#86
 p-Isopropyltoluene
 Concen: 19.726 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX002484.D
 Acq: 12 Jun 2018 23:58

Tgt Ion:119 Resp: 213106
 Ion Ratio Lower Upper
 119 100
 134 27.6 13.4 40.1
 91 24.9 11.9 35.7





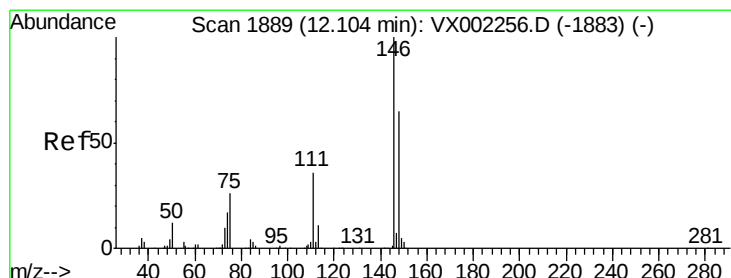
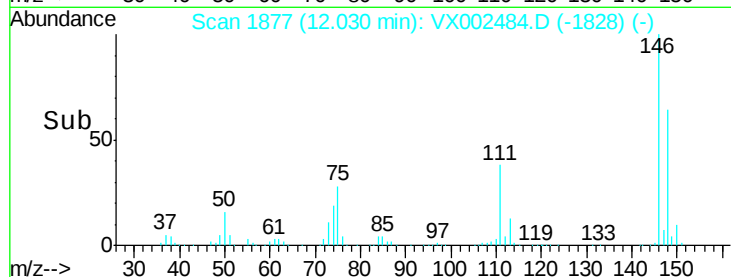
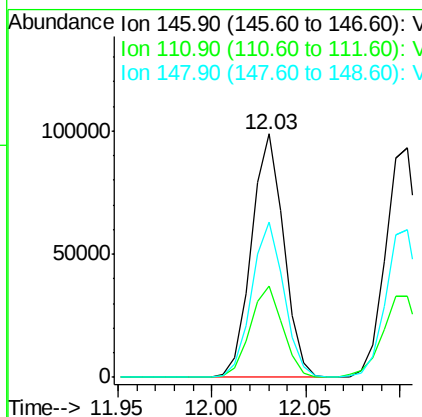
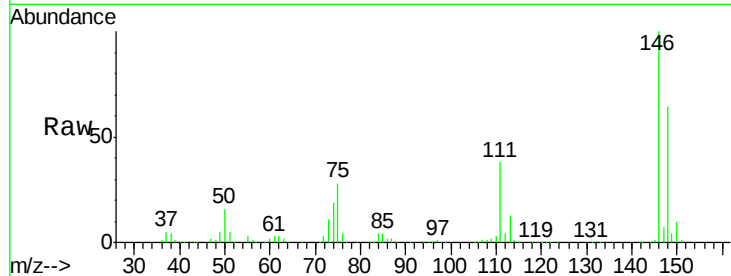
#87
 1,3-Dichlorobenzene
 Concen: 19.334 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002484.D
 Acq: 12 Jun 2018 23:58

Instrument :
 MSVOA_X
 ClientSampled :
 VX0612WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.7
148	63.6	32.1	96.3

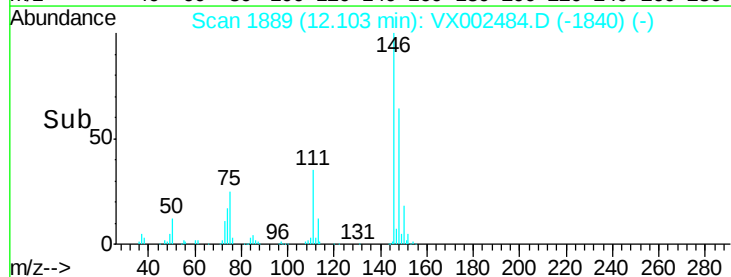
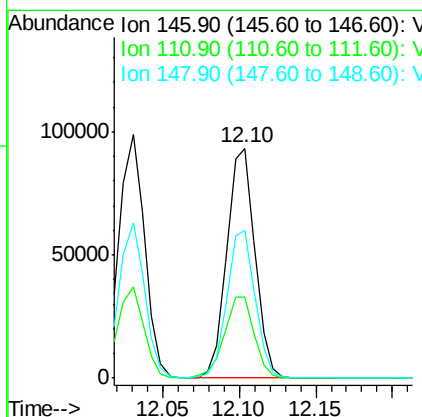
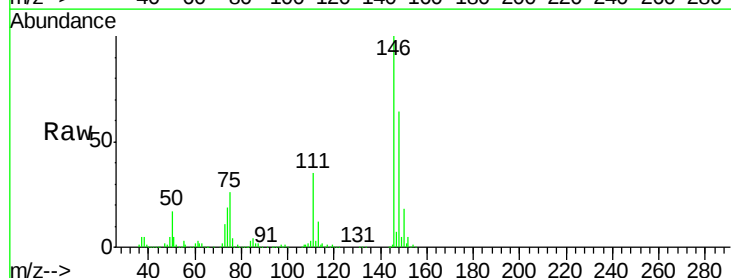
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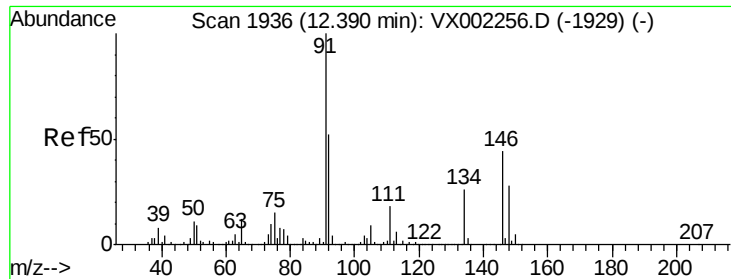
MMDadoda
 6/13/2018 1:59:40 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.960 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002484.D
 Acq: 12 Jun 2018 23:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.7	56.1
148	64.5	32.4	97.0





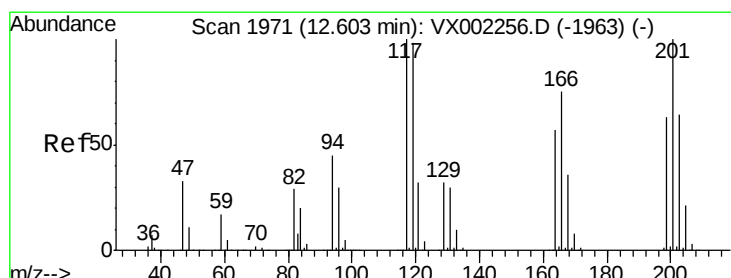
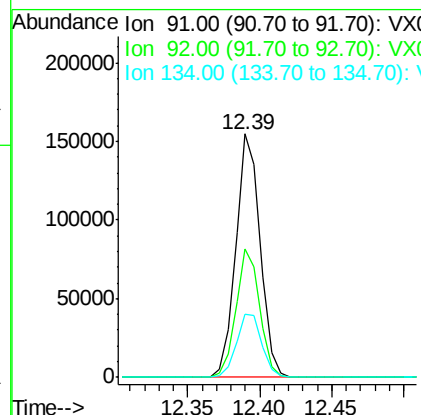
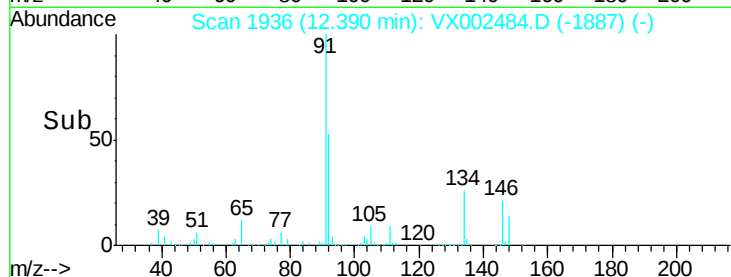
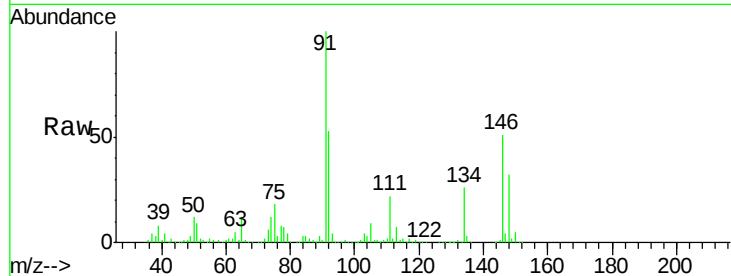
#89
n-Butylbenzene
Concen: 20.267 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002484.D
Acq: 12 Jun 2018 23:58

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.0	78.0
134	27.0	13.5	40.5

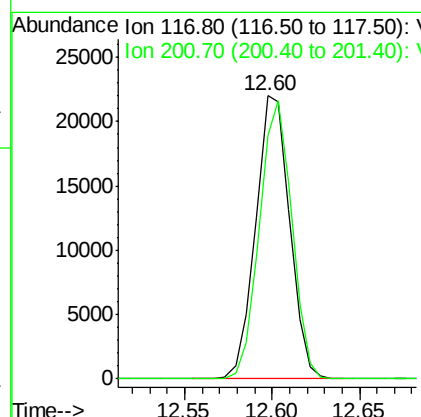
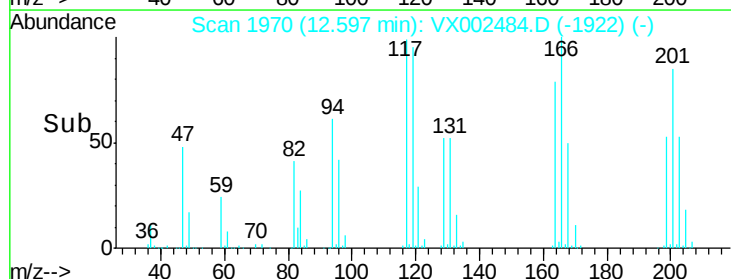
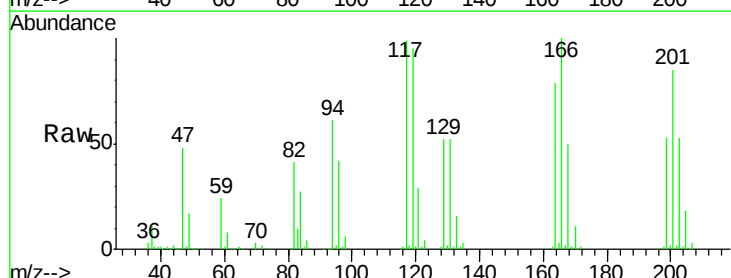
Manual Integrations
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#90
Hexachloroethane
Concen: 17.249 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.01 min
Lab File: VX002484.D
Acq: 12 Jun 2018 23:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.4	49.0	147.0





#91

1,2-Dichlorobenzene

Concen: 19.373 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX002484.D

Acq: 12 Jun 2018 23:58

Instrument :

MSVOA_X

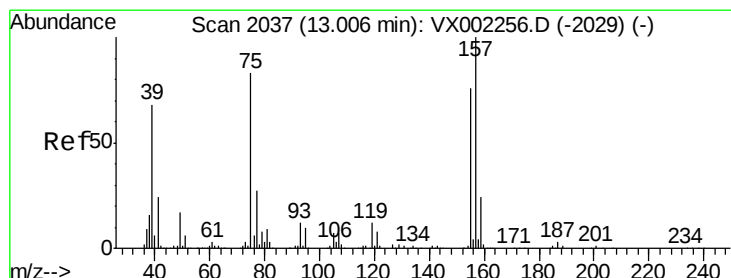
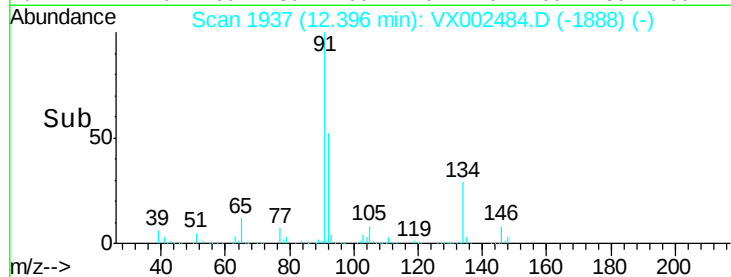
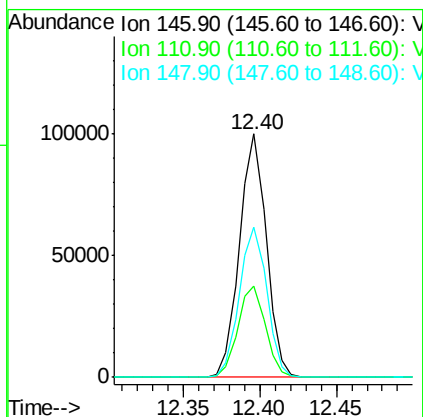
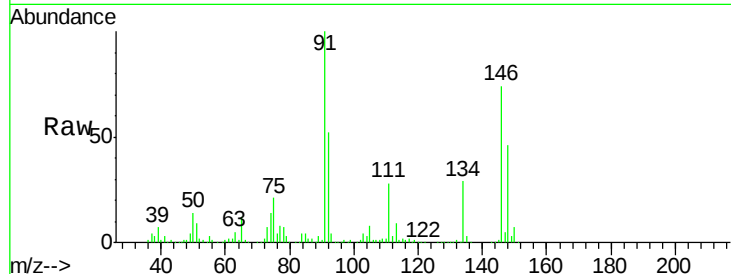
ClientSampled :

VX0612WBS02

Tot Ion:	146	Resp:	121870
Ion Ratio	Lower	Upper	
146	100		
111	38.7	19.4	58.1
148	63.1	31.7	95.1

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#92

1,2-Dibromo-3-Chloropropane

Concen: 17.971 ug/l

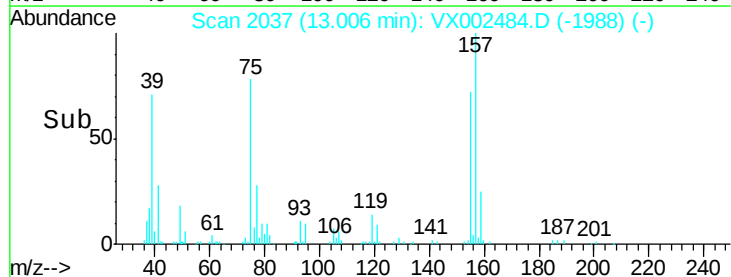
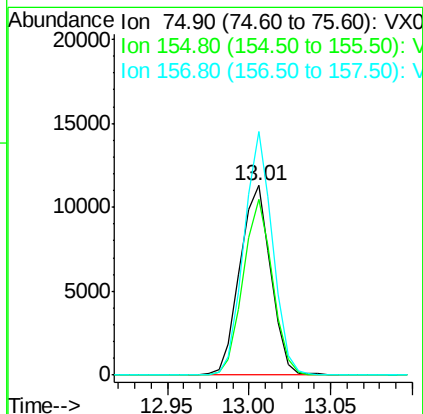
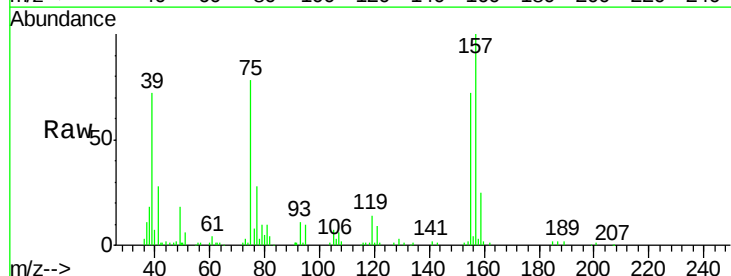
RT: 13.01 min Scan# 2037

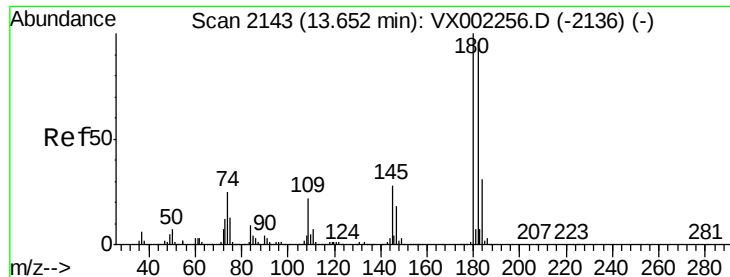
Delta R.T. -0.00 min

Lab File: VX002484.D

Acq: 12 Jun 2018 23:58

Tgt Ion:	75	Resp:	14971
Ion Ratio	Lower	Upper	
75	100		
155	88.0	45.8	137.4
157	118.4	60.1	180.3





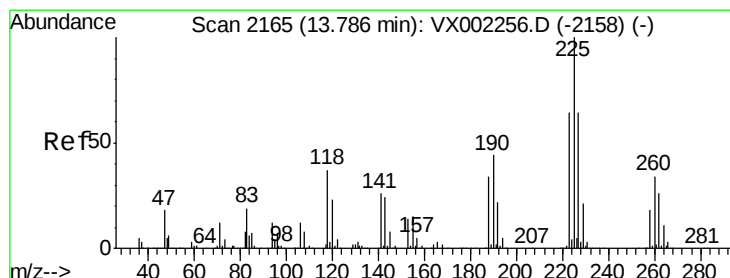
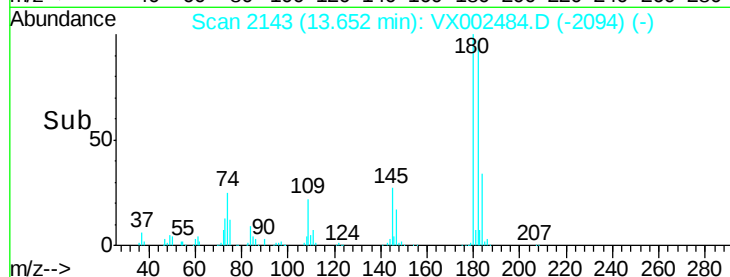
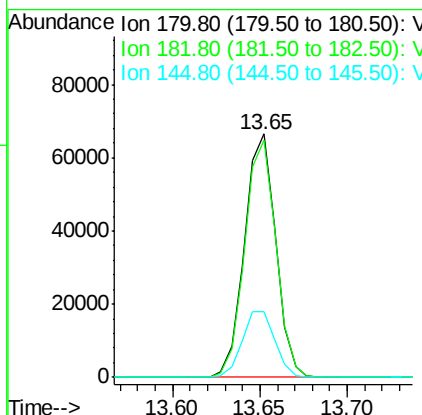
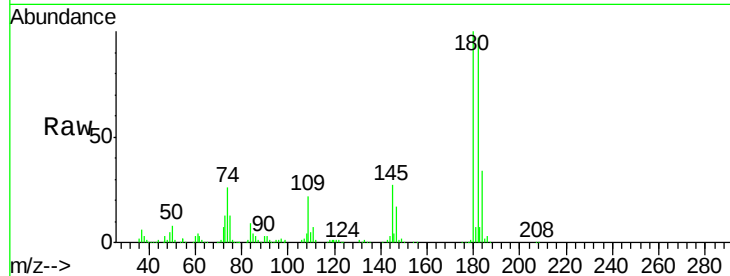
#93
 1,2,4-Trichlorobenzene
 Concen: 18.686 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002484.D
 Acq: 12 Jun 2018 23:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	82426		
182	97.5	47.7	143.1	
145	28.5	14.1	42.4	

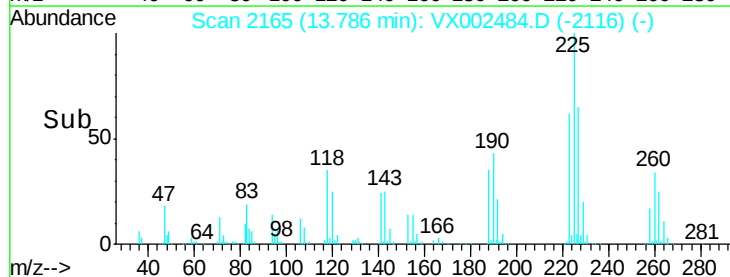
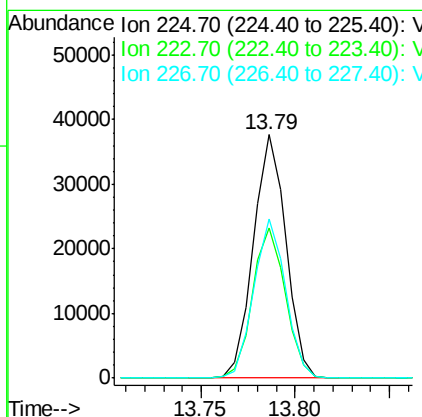
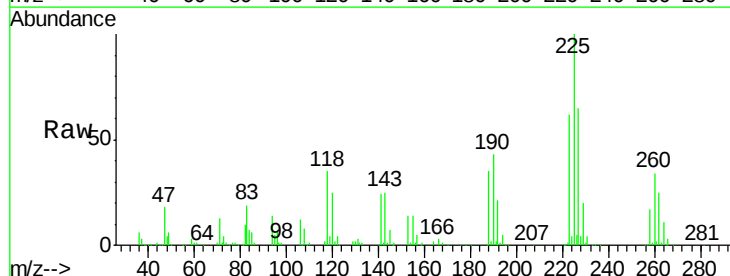
Manual Integrations
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#94
 Hexachlorobutadiene
 Concen: 20.732 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002484.D
 Acq: 12 Jun 2018 23:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	45190		
223	61.8	31.6	95.0	
227	63.9	32.4	97.2	





#95

Naphthalene

Concen: 19.086 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002484.D

Acq: 12 Jun 2018 23:58

Instrument :

MSVOA_X

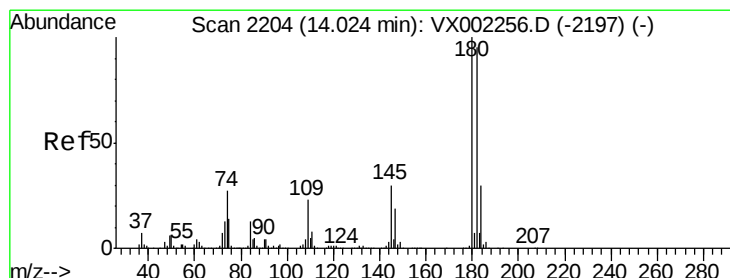
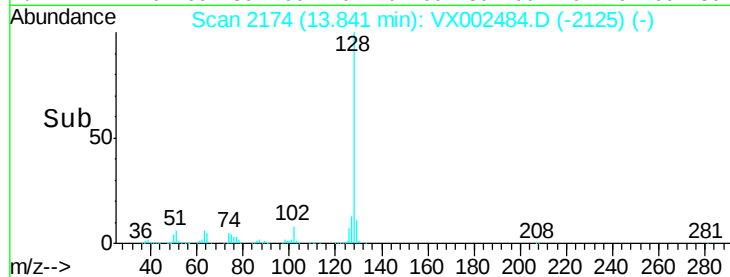
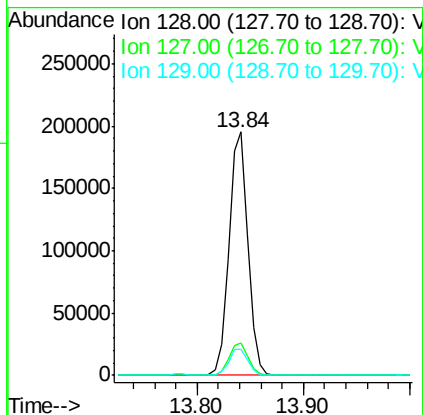
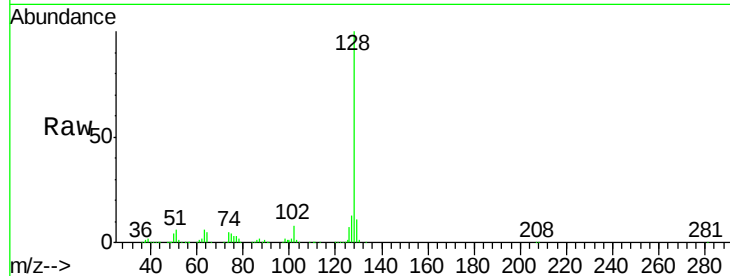
ClientSampleId :

VX0612WBS02

Tot Ion:	128	Resp:	241893
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/13/2018 1:59:40 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.180 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002484.D

Acq: 12 Jun 2018 23:58

Tgt Ion:	180	Resp:	86282
Ion Ratio	Lower	Upper	
180	100		
182	95.6	48.0	144.0
145	30.0	14.8	44.3

