

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041318\
 Data File : VX000863.D
 Acq On : 13 Apr 2018 21:09
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/16/2018 1:00:00 PM

Quant Time: Apr 14 05:48:24 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	248208	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	338897	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	326169	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	223413	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	149594	47.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.60%	
35) Dibromofluoromethane	5.51	113	127873	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	
50) Toluene-d8	8.73	98	466728	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	
62) 4-Bromofluorobenzene	11.15	95	190200	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.58%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	132445	47.27	ug/l	99
3) Chloromethane	1.32	50	105903	44.08	ug/l	98
4) Vinyl Chloride	1.40	62	130865	48.43	ug/l	96
5) Bromomethane	1.64	94	49014	43.65	ug/l	96
6) Chloroethane	1.72	64	76798	46.89	ug/l	99
7) Trichlorofluoromethane	1.93	101	193046	47.35	ug/l	98
8) Diethyl Ether	2.19	74	75380	49.50	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	113602	47.26	ug/l	100
10) Methyl Iodide	2.51	142	62395	36.09	ug/l	100
11) Tert butyl alcohol	3.09	59	152608	274.65	ug/l	99
12) 1,1-Dichloroethene	2.37	96	107597	47.23	ug/l	98
13) Acrolein	2.30	56	37962	140.69	ug/l	98
14) Allyl chloride	2.73	41	202262	48.02	ug/l	97
15) Acrylonitrile	3.16	53	342197	288.86	ug/l	99
16) Acetone	2.45	43	295876	274.15	ug/l	99
17) Carbon Disulfide	2.57	76	286673	41.56	ug/l	100
18) Methyl Acetate	2.79	43	170490	61.04	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	380650	50.17	ug/l	99
20) Methylene Chloride	2.86	84	120762	48.11	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	117588	46.81	ug/l	98
22) Diisopropyl ether	3.89	45	396509	51.22	ug/l	100
23) Vinyl Acetate	3.84	43	1668158	245.43	ug/l	99
24) 1,1-Dichloroethane	3.70	63	211446	48.68	ug/l	99
25) 2-Butanone	4.73	43	512623	287.63	ug/l	100
26) 1,2-Dichloropropane	4.59	77	174706	40.52	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	141242	49.54	ug/l	98
28) Bromochloromethane	5.03	49	84491	48.30	ug/l	98
29) Tetrahydrofuran	5.18	42	327746	289.62	ug/l	100
30) Chloroform	5.23	83	232189	50.49	ug/l	97
31) Cyclohexane	5.58	56	192494	46.66	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	211526	48.28	ug/l	100
36) 1,1-Dichloropropene	5.81	75	173437	46.47	ug/l	98
37) Ethyl Acetate	4.88	43	197910	54.32	ug/l	100
38) Carbon Tetrachloride	5.79	117	187517	44.89	ug/l	98

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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	200761	44.79	ug/l	99
40) Benzene	6.15	78	503555	48.56	ug/l	99
41) Methacrylonitrile	5.08	41	113003	53.68	ug/l	99
42) 1,2-Dichloroethane	6.21	62	190360	49.15	ug/l	100
43) Isopropyl Acetate	6.48	43	319044	51.07	ug/l	100
44) Trichloroethene	7.22	130	154054	47.76	ug/l	98
45) 1,2-Dichloropropane	7.52	63	128826	48.78	ug/l	96
46) Dibromomethane	7.67	93	90514	49.16	ug/l	100
47) Bromodichloromethane	7.91	83	176661	47.54	ug/l	99
48) Methyl methacrylate	7.79	41	169328	52.29	ug/l	99
49) 1,4-Dioxane	7.77	88	69397	1066.47	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	1031311	281.06	ug/l	98
52) Toluene	8.79	92	332138	48.27	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	209394	46.98	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	202023	46.55	ug/l	99
55) 1,1,2-Trichloroethane	9.23	97	137315	50.27	ug/l	99
56) Ethyl methacrylate	9.19	69	214115	50.82	ug/l	99
57) 1,3-Dichloropropane	9.38	76	220729	50.83	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	534341	271.43	ug/l	100
59) 2-Hexanone	9.51	43	798860	282.00	ug/l	99
60) Dibromochloromethane	9.59	129	156212	47.80	ug/l	100
61) 1,2-Dibromoethane	9.68	107	148329	51.19	ug/l	99
64) Tetrachloroethene	9.34	164	164951	51.72	ug/l	99
65) Chlorobenzene	10.15	112	397227	48.41	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	145833	47.22	ug/l	99
67) Ethyl Benzene	10.26	91	652939	47.73	ug/l	100
68) m/p-Xylenes	10.37	106	514332	95.26	ug/l	99
69) o-Xylene	10.71	106	250601	48.16	ug/l	100
70) Styrene	10.72	104	424832	48.42	ug/l	99
71) Bromoform	10.87	173	133809	46.80	ug/l	99
73) Isopropylbenzene	11.02	105	674200	47.57	ug/l	100
74) N-amyl acetate	6.48	43	319044	49.99	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	208294	50.64	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	194333m	50.44	ug/l	
77) Bromobenzene	11.26	156	198459	47.78	ug/l	100
78) n-propylbenzene	11.37	91	759466	46.85	ug/l	100
79) 2-Chlorotoluene	11.43	91	449592	46.92	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	574305	47.12	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	63604	45.41	ug/l	96
82) 4-Chlorotoluene	11.52	91	537880	46.51	ug/l	100
83) tert-Butylbenzene	11.78	119	580854	46.58	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	590608	46.93	ug/l	100
85) sec-Butylbenzene	11.95	105	693151	47.12	ug/l	100
86) p-Isopropyltoluene	12.07	119	644307	46.97	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	362071	47.10	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	366362	46.50	ug/l	100
89) n-Butylbenzene	12.40	91	564775	46.64	ug/l	100
90) Hexachloroethane	12.60	117	101399	43.68	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	356060	47.97	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	51287	49.77	ug/l	100

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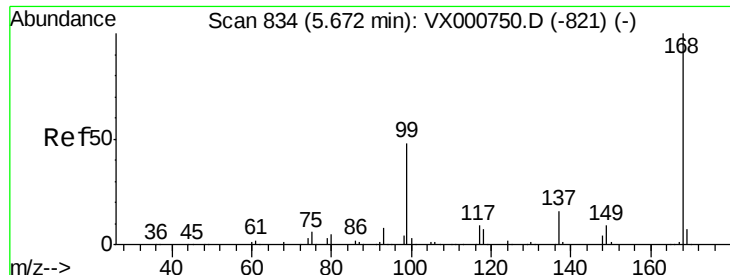
Manual Integrations
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4/16/2018 1:00:00 PM

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Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	299349	47.27	ug/l	99
94) Hexachlorobutadiene	13.79	225	150322	48.27	ug/l	100
95) Naphthalene	13.84	128	835943	51.42	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	295355	48.02	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 248208

Ion Ratio Lower Upper

168 100

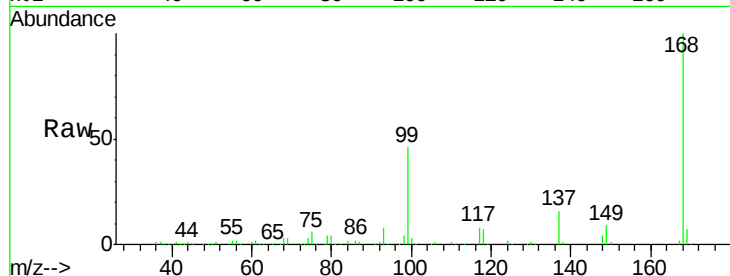
99 45.8 38.3 57.5

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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

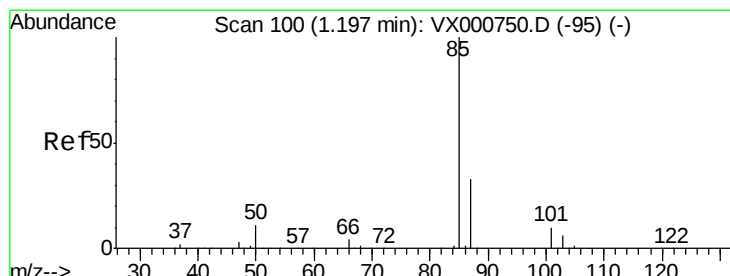
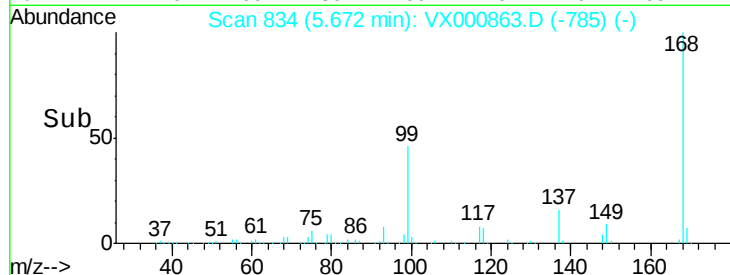
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.27 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000863.D

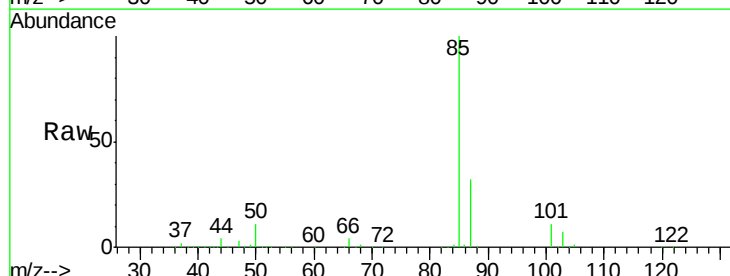
Acq: 13 Apr 2018 21:09

Tgt Ion: 85 Resp: 132445

Ion Ratio Lower Upper

85 100

87 31.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

150000

100000

50000

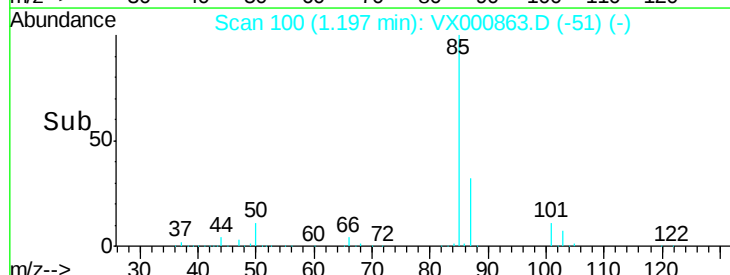
0

1.10

1.20

1.30

Time-->





#3

Chloromethane

Concen: 44.08 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 105903

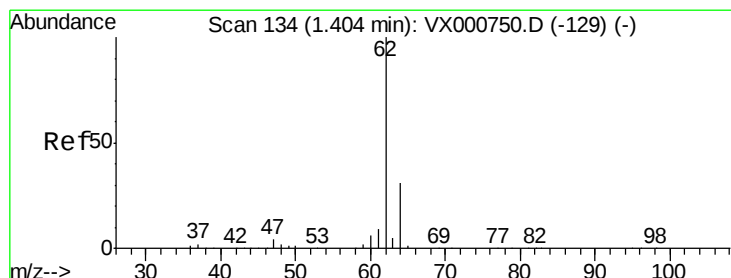
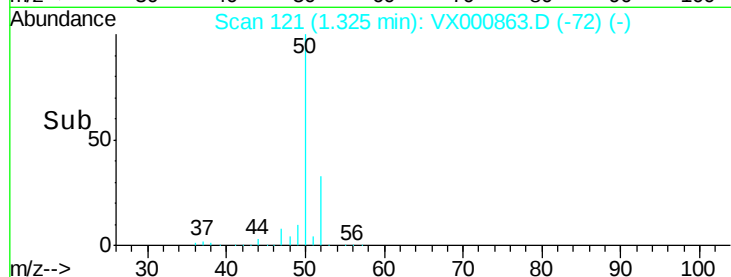
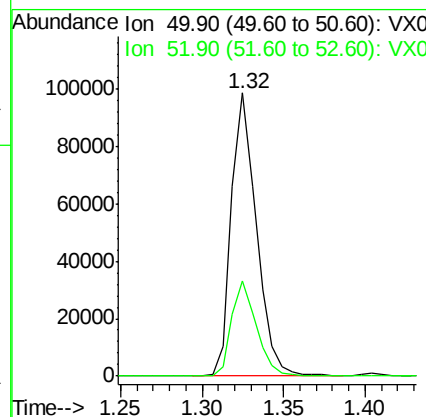
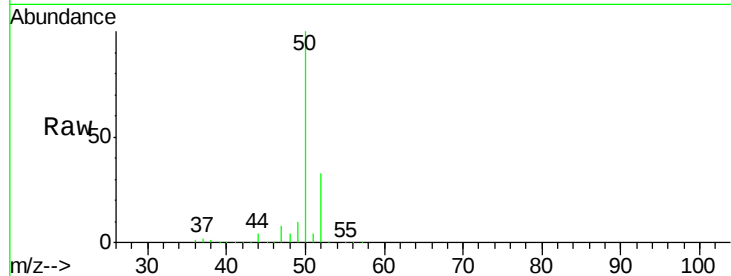
Ion Ratio Lower Upper

50 100

52 33.4 25.8 38.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 48.43 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX000863.D

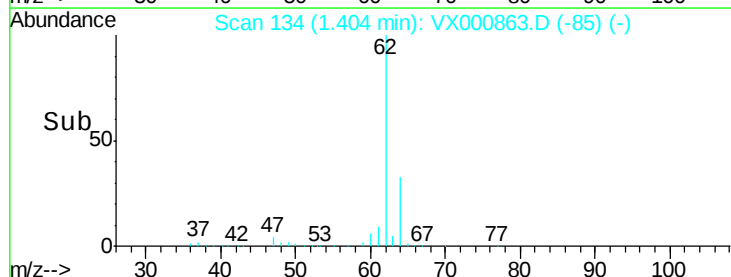
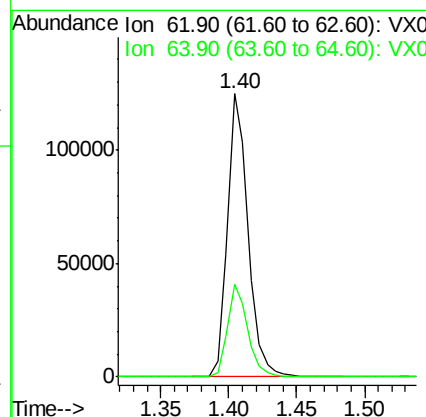
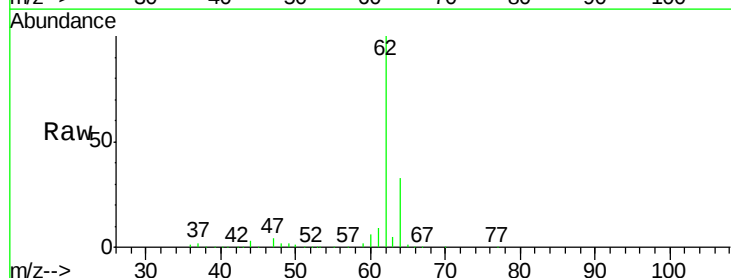
Acq: 13 Apr 2018 21:09

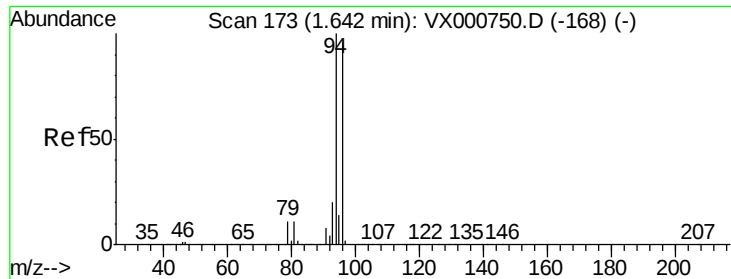
Tgt Ion: 62 Resp: 130865

Ion Ratio Lower Upper

62 100

64 32.8 24.6 36.8





#5

Bromomethane

Concen: 43.65 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.01 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 49014

Ion Ratio Lower Upper

94 100

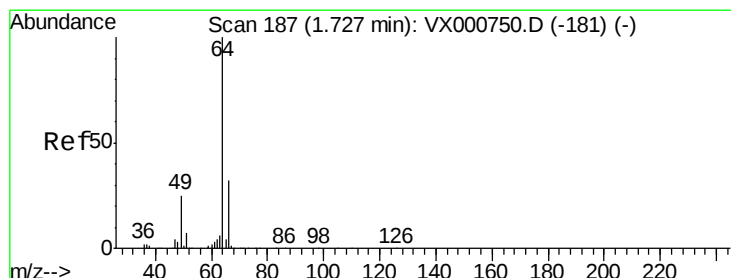
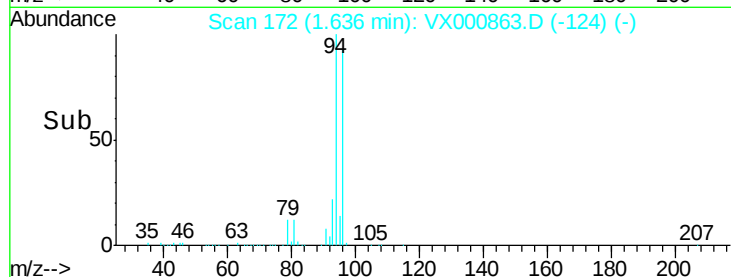
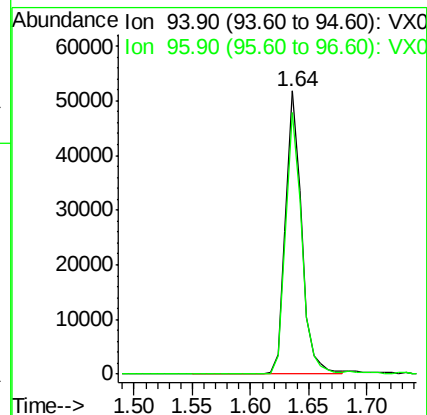
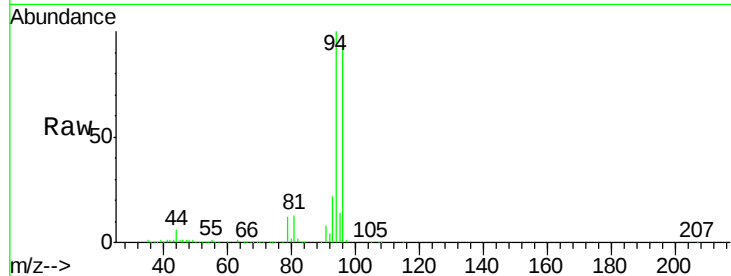
96 92.6 77.0 115.6

Manual Integrations

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4/16/2018 1:00:00 PM



#6

Chloroethane

Concen: 46.89 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX000863.D

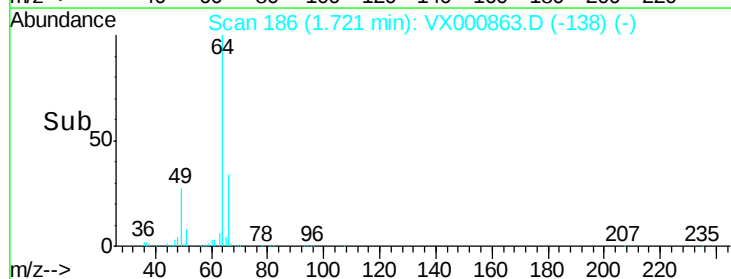
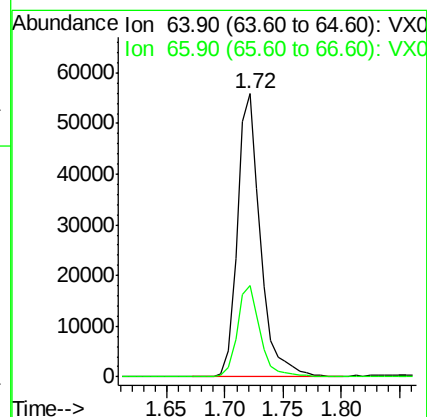
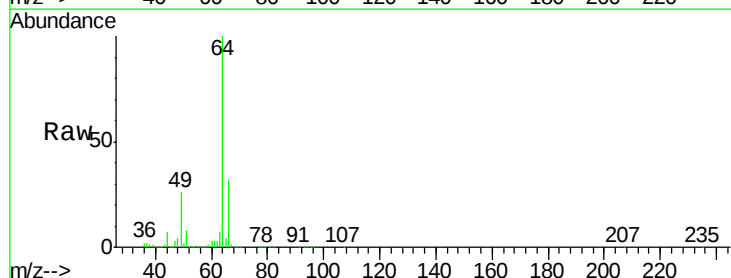
Acq: 13 Apr 2018 21:09

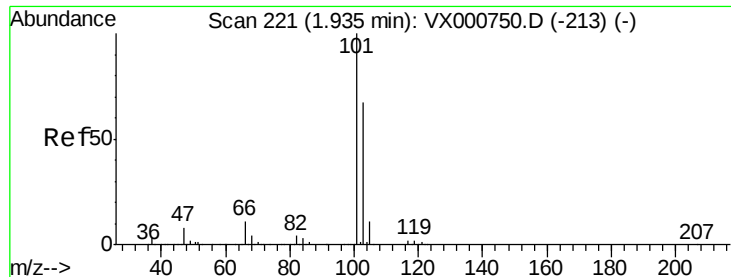
Tgt Ion: 64 Resp: 76798

Ion Ratio Lower Upper

64 100

66 32.2 25.3 37.9





#7

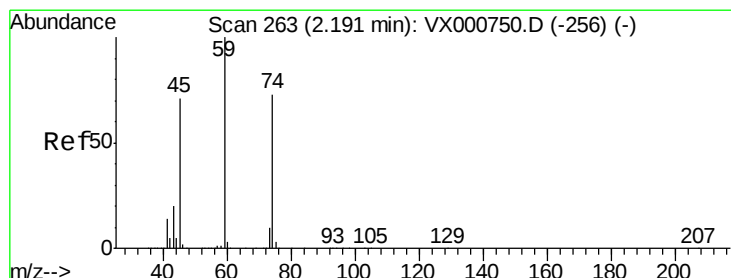
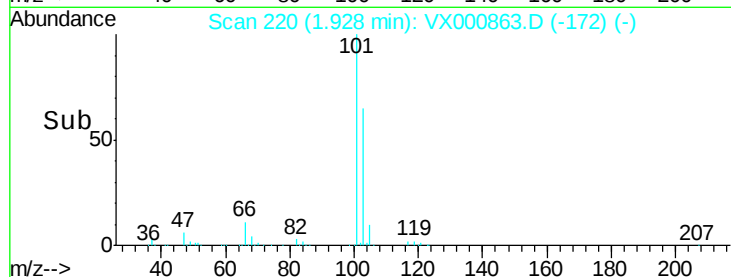
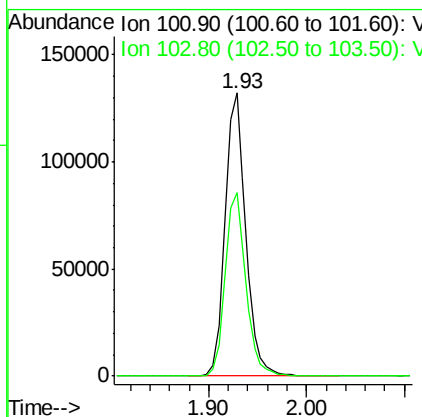
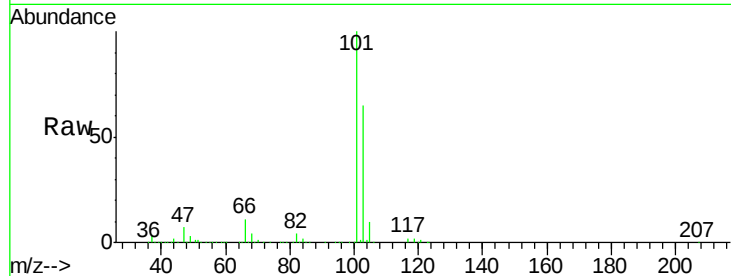
Trichlorofluoromethane
Concen: 47.35 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.01 min
Lab File: VX000863.D
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	53.2	79.8

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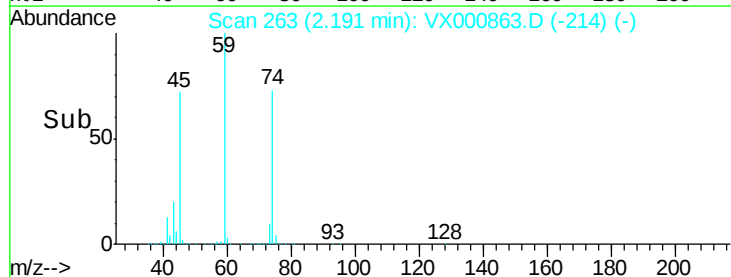
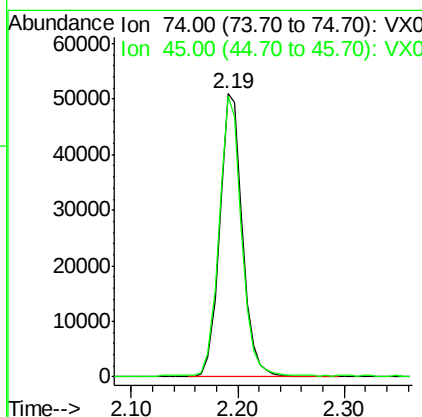
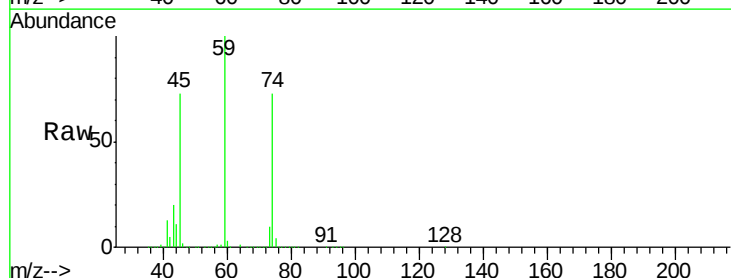
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4/16/2018 1:00:00 PM

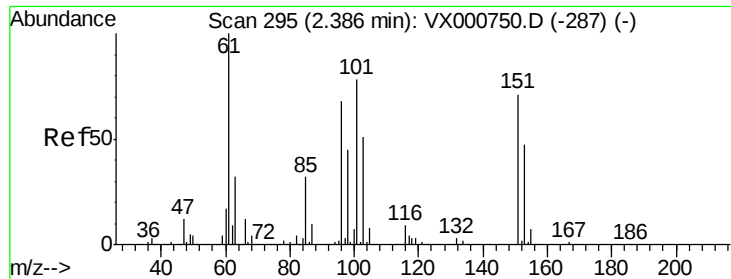


#8

Diethyl Ether
Concen: 49.50 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX000863.D
Acq: 13 Apr 2018 21:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.1	48.6	145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.26 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

Instrument :

MSVOA_X

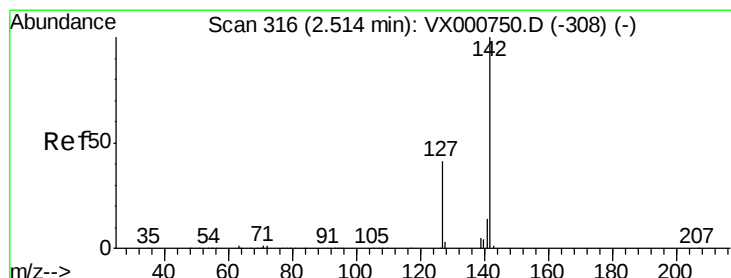
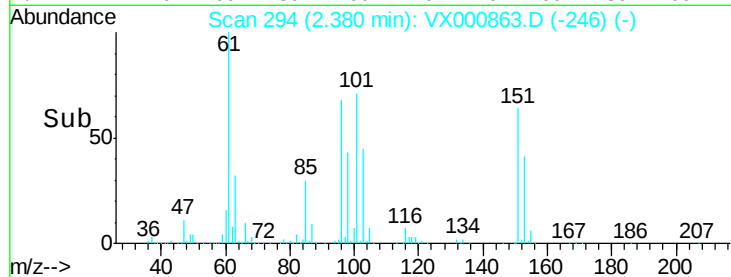
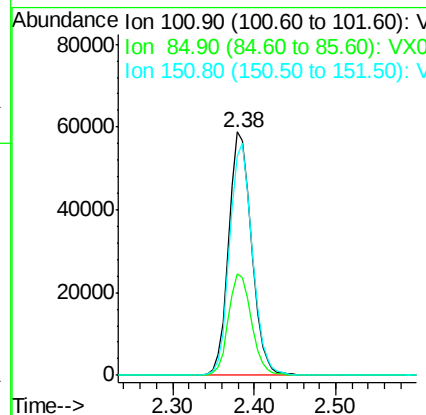
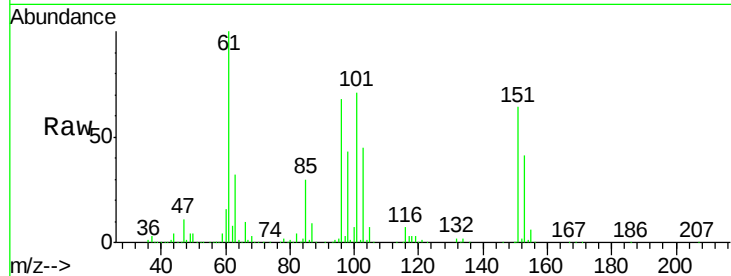
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	113602
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.0	51.0
151	94.6	75.8	113.8

Manual Integrations
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#10

Methyl Iodide

Concen: 36.09 ug/l

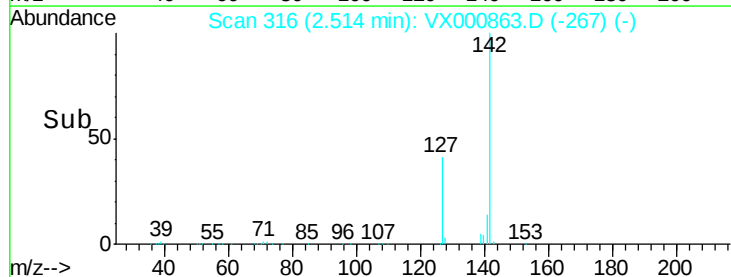
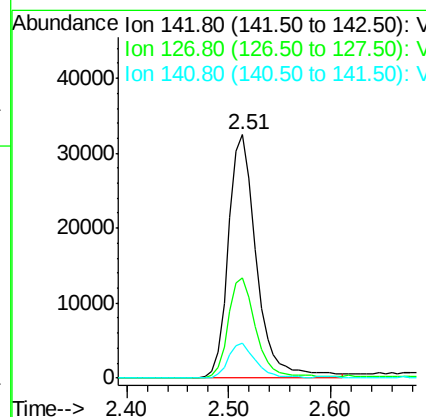
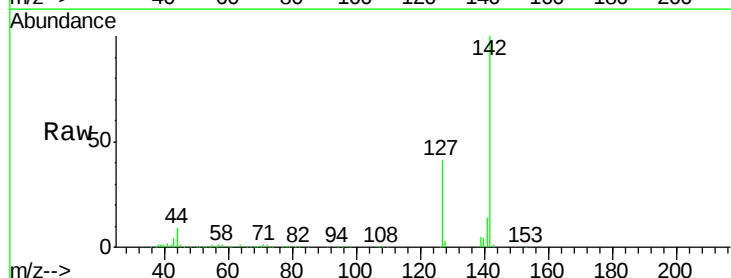
RT: 2.51 min Scan# 316

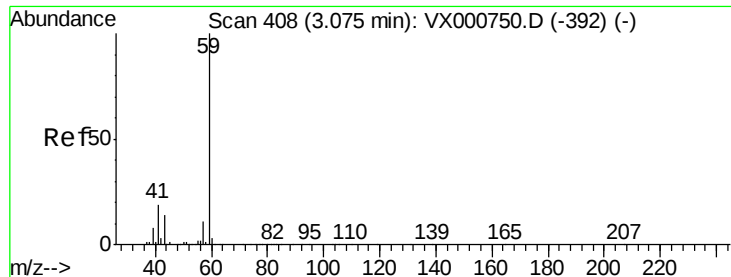
Delta R.T. 0.00 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

Tgt Ion:	142	Resp:	62395
Ion Ratio	Lower	Upper	
142	100		
127	40.7	32.6	49.0
141	14.3	11.5	17.3





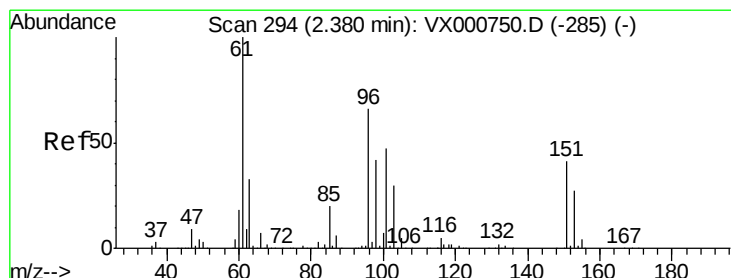
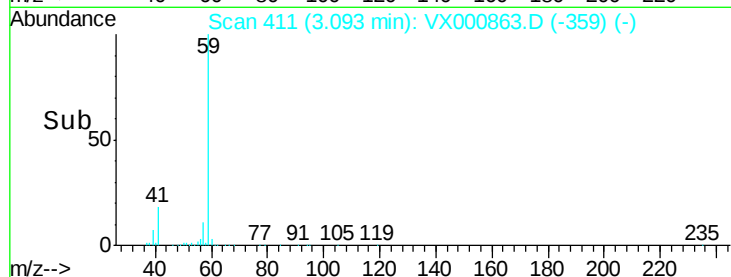
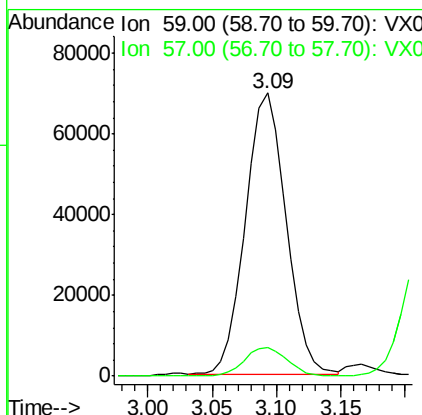
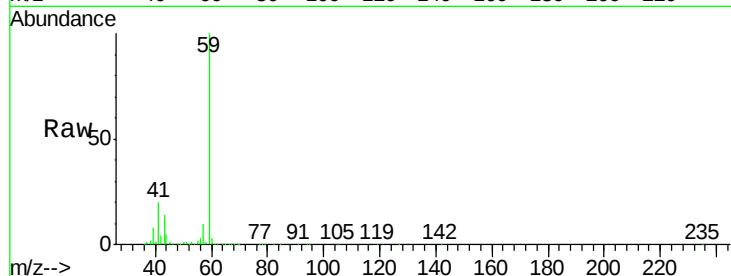
#11
Tert butyl alcohol
Concen: 274.65 ug/l
RT: 3.09 min Scan# 411
Delta R.T. 0.02 min
Lab File: VX000863.D
Acq: 13 Apr 2018 21:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.4	12.6

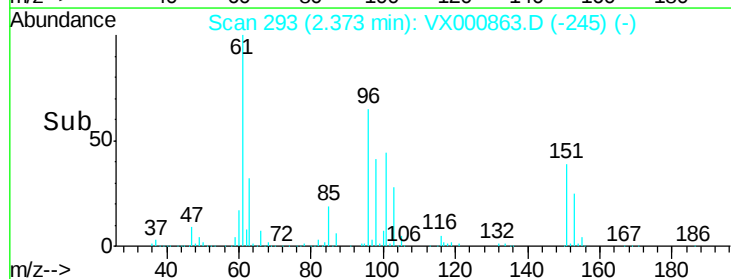
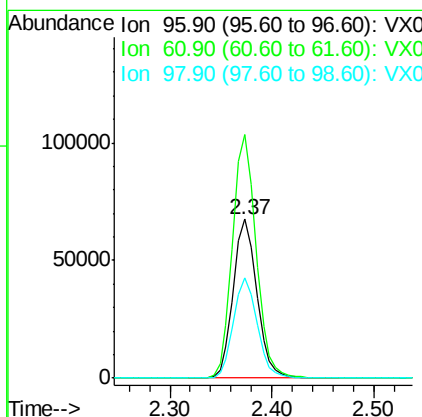
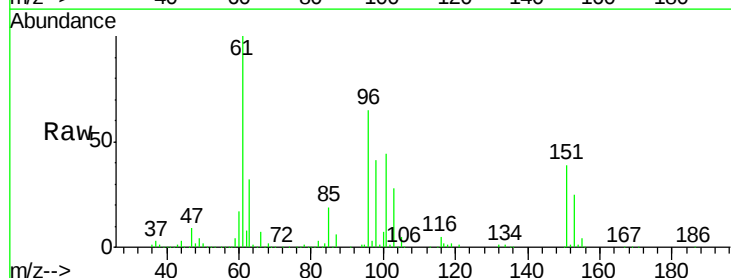
Manual Integrations
APPROVED

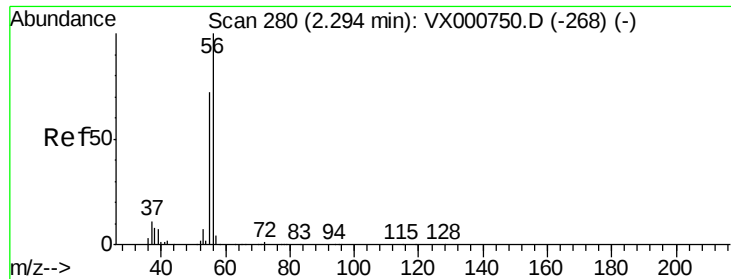
MMDadoda
4/16/2018 1:00:00 PM



#12
1,1-Dichloroethene
Concen: 47.23 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.01 min
Lab File: VX000863.D
Acq: 13 Apr 2018 21:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.4	120.5	180.7
98	63.4	50.9	76.3





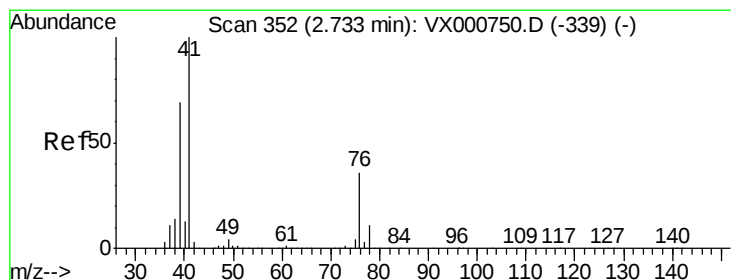
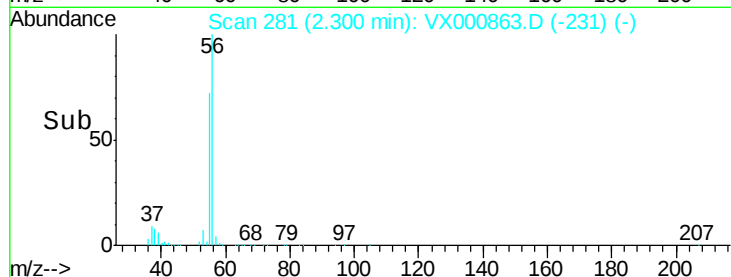
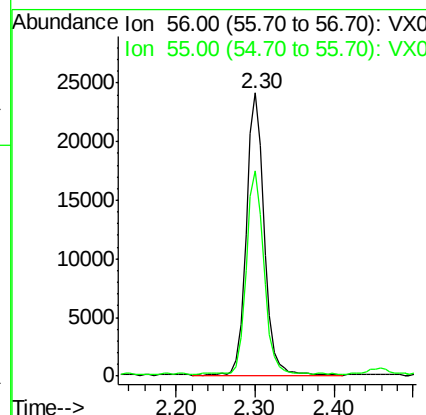
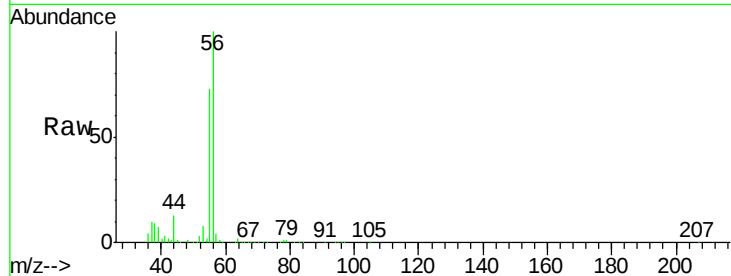
#13
Acrolein
Concen: 140.69 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX000863.D
Acq: 13 Apr 2018 21:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	37962
Ion Ratio	100	Lower	Upper
56	100		
55	71.5	58.7	88.1

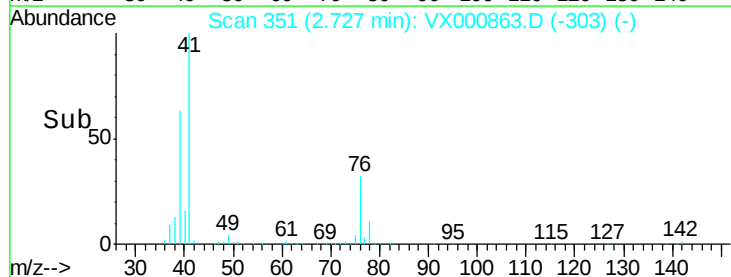
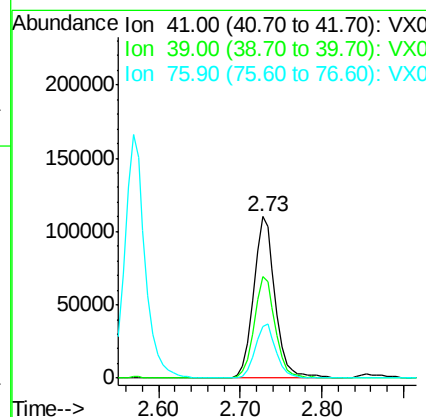
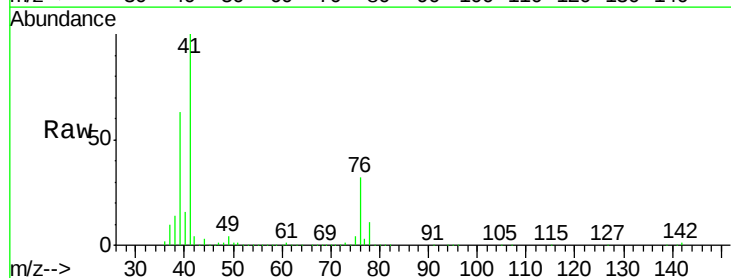
Manual Integrations
APPROVED

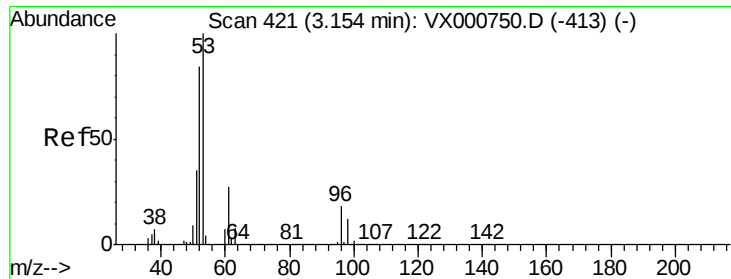
MMDadoda
4/16/2018 1:00:00 PM



#14
Allyl chloride
Concen: 48.02 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX000863.D
Acq: 13 Apr 2018 21:09

Tgt Ion	41	Resp	202262
Ion Ratio	100	Lower	Upper
41	100		
39	61.8	51.5	77.3
76	32.5	26.5	39.7





#15

Acrylonitrile

Concen: 288.86 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

Instrument :

MSVOA_X

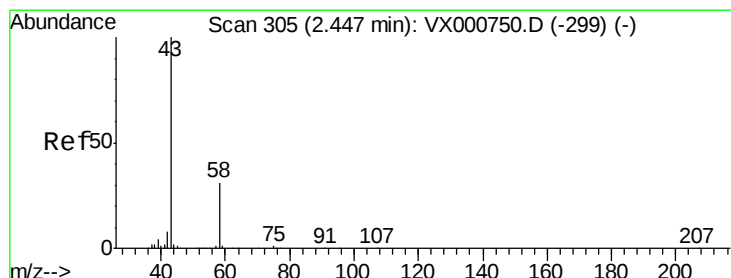
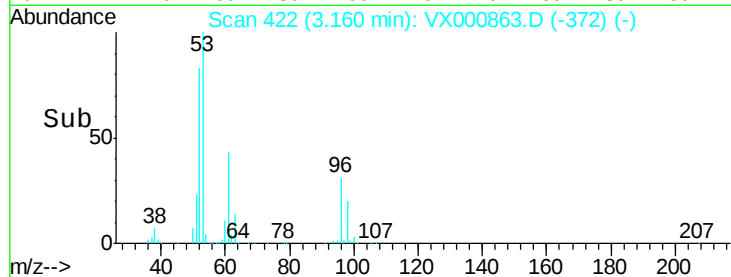
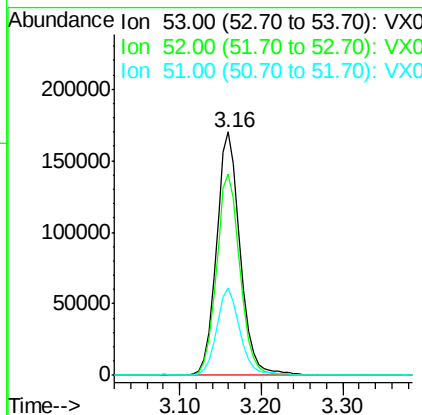
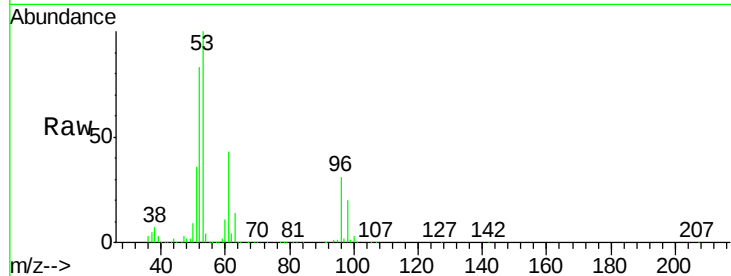
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	342197
Ion Ratio		Lower	Upper
53	100		
52	82.3	66.5	99.7
51	35.8	28.8	43.2

Manual Integrations
APPROVED

MMDadoda
4/16/2018 1:00:00 PM



#16

Acetone

Concen: 274.15 ug/l

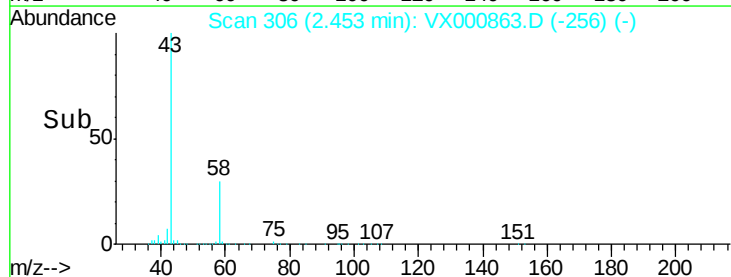
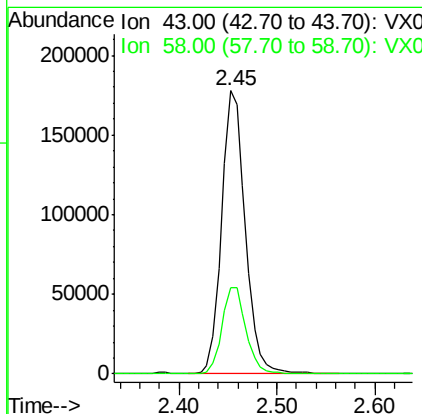
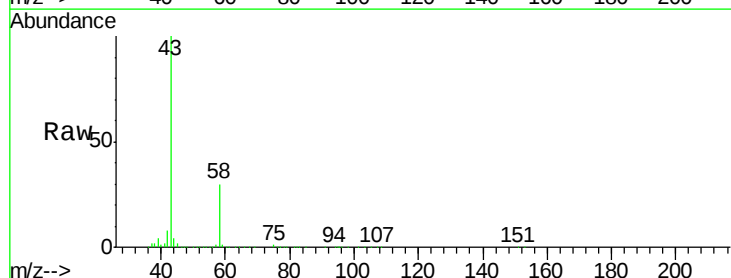
RT: 2.45 min Scan# 306

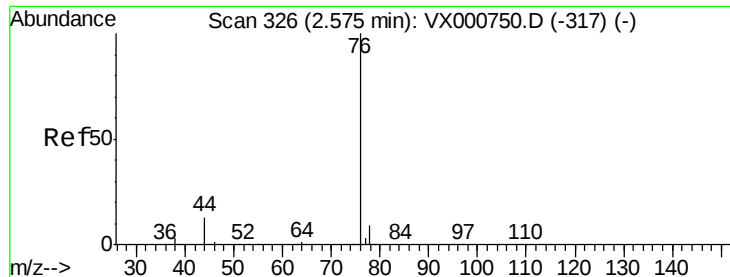
Delta R.T. 0.01 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

Tgt Ion:	43	Resp:	295876
Ion Ratio		Lower	Upper
43	100		
58	30.4	24.6	37.0





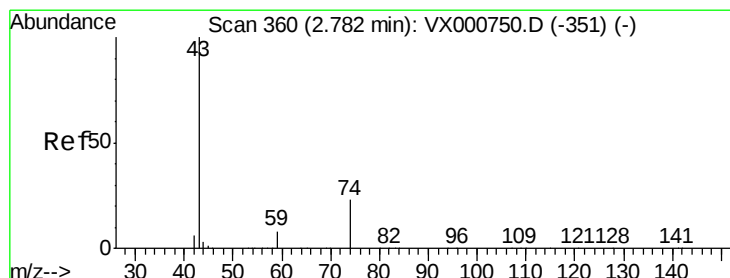
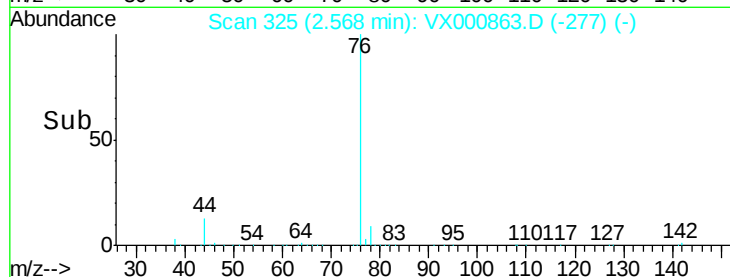
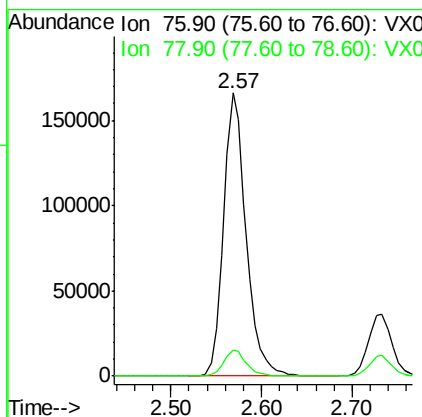
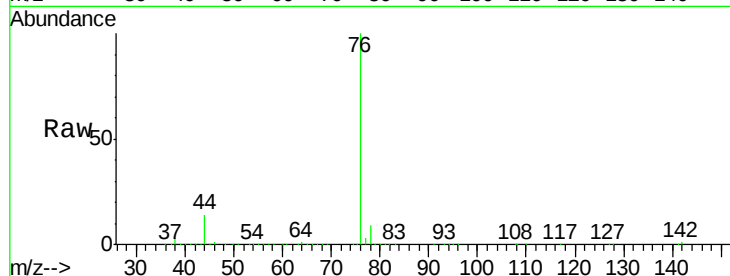
#17
Carbon Disulfide
Concen: 41.56 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.01 min
Lab File: VX000863.D
Acq: 13 Apr 2018 21:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

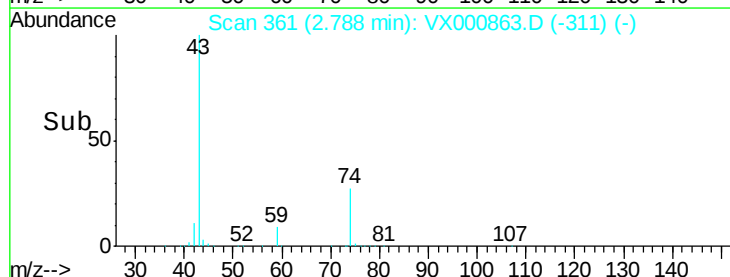
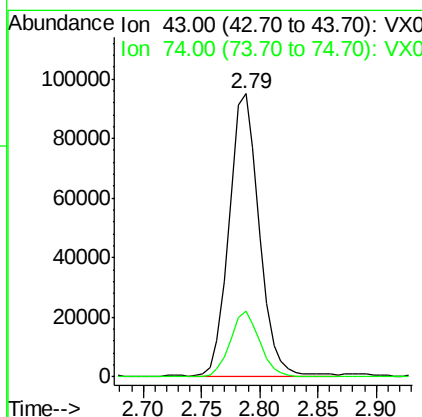
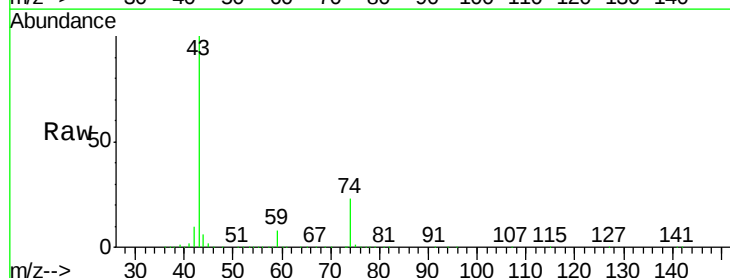
Manual Integrations
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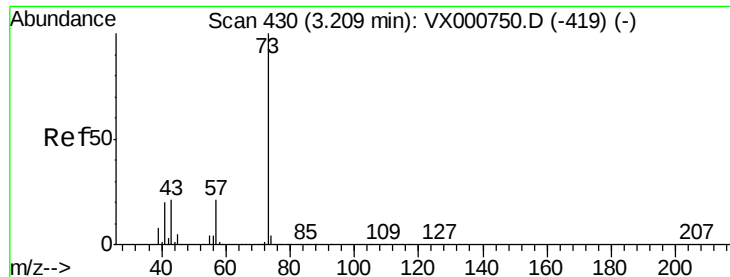
MMDadoda
4/16/2018 1:00:00 PM



#18
Methyl Acetate
Concen: 61.04 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX000863.D
Acq: 13 Apr 2018 21:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	19.1	28.7





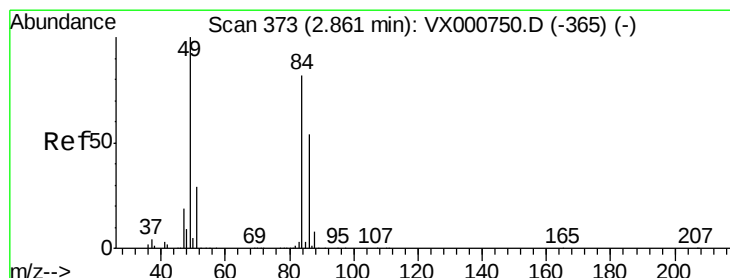
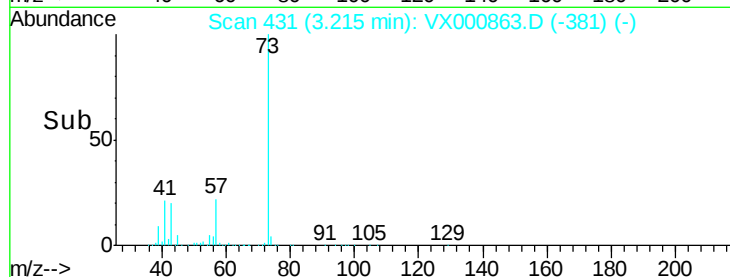
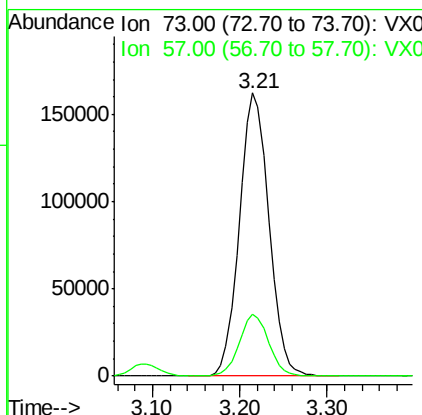
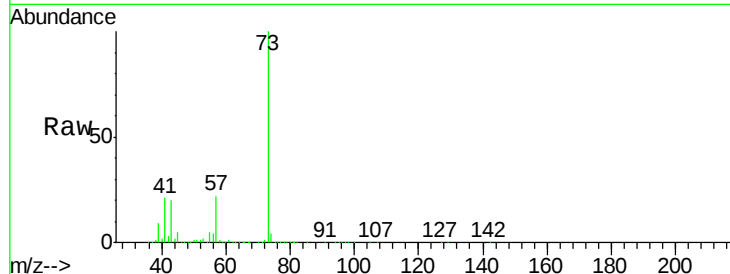
#19
Methvl tert-butvl Ether
Concen: 50.17 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX000863.D
Acq: 13 Apr 2018 21:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	16.9	25.3

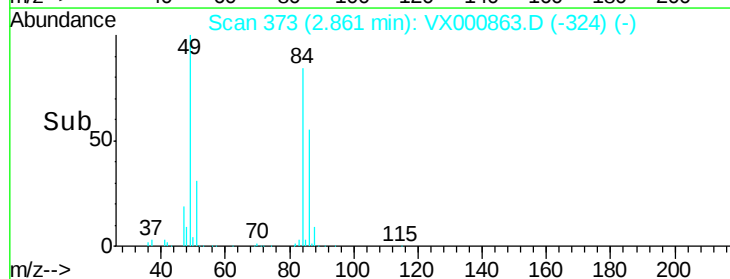
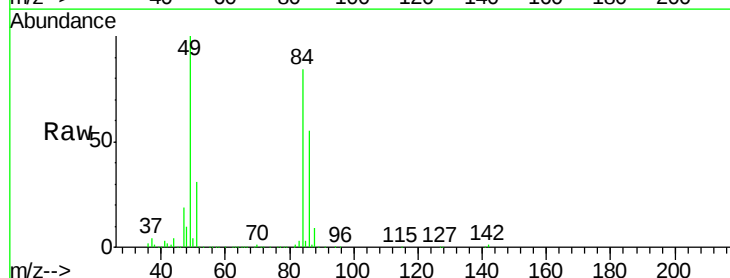
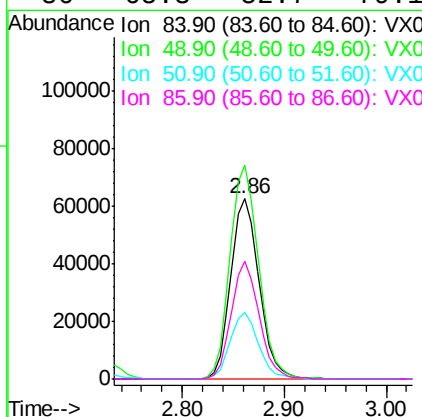
Manual Integrations
APPROVED

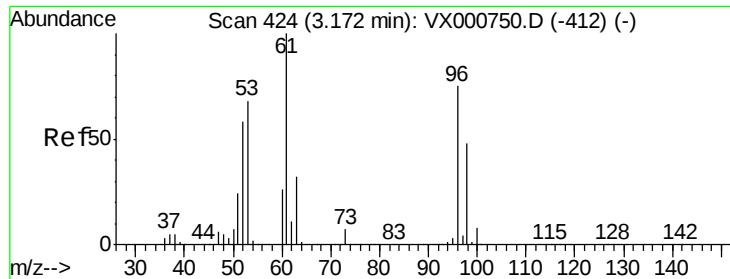
MMDadoda
4/16/2018 1:00:00 PM



#20
Methylene Chloride
Concen: 48.11 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX000863.D
Acq: 13 Apr 2018 21:09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.7	98.1	147.1
51	36.6	28.9	43.3
86	65.3	52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 46.81 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 117588

Ion Ratio Lower Upper

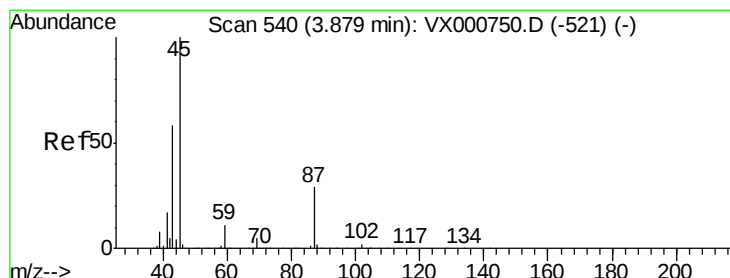
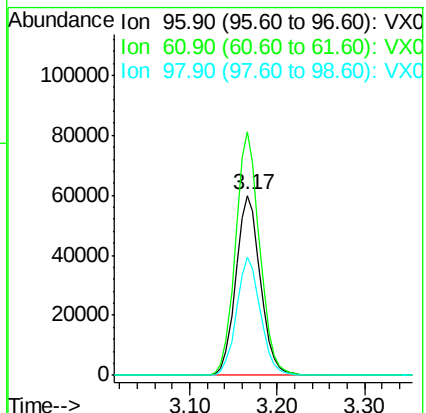
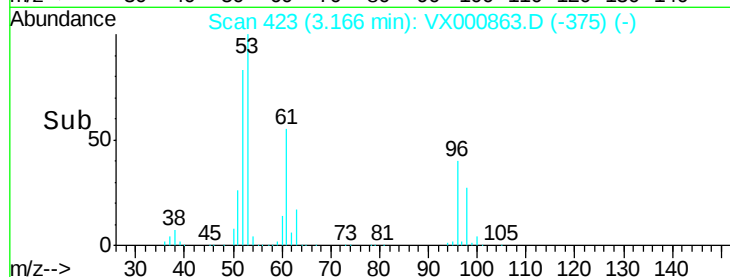
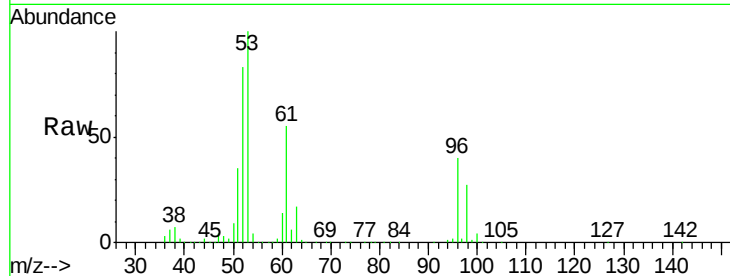
96 100

61 135.4 106.2 159.2

98 65.9 51.2 76.8

Manual Integrations
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MMDadoda
4/16/2018 1:00:00 PM



#22

Diisopropyl ether

Concen: 51.22 ug/l

RT: 3.89 min Scan# 541

Delta R.T. 0.01 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

Tgt Ion: 45 Resp: 396509

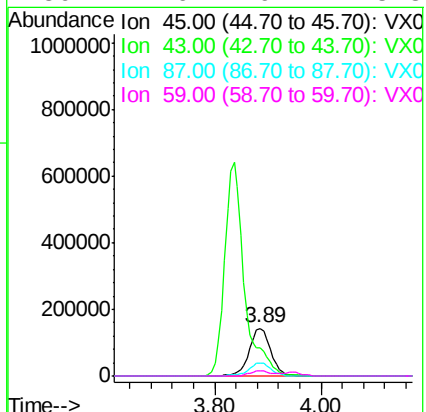
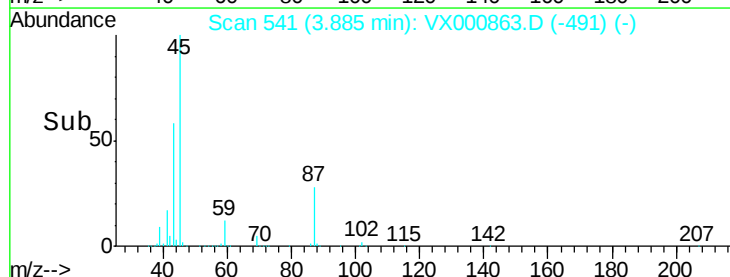
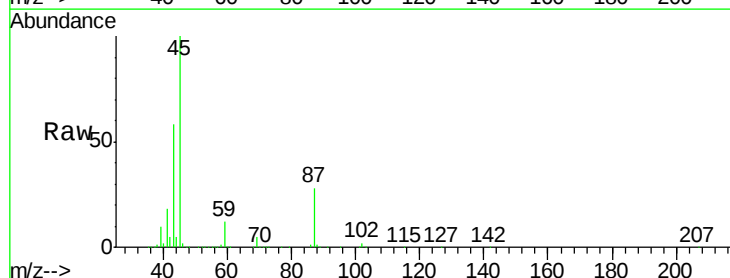
Ion Ratio Lower Upper

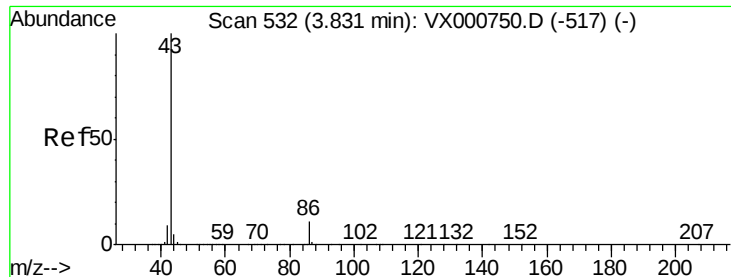
45 100

43 58.1 46.6 69.8

87 28.1 22.9 34.3

59 11.6 9.2 13.8





#23

Vinyl Acetate

Concen: 245.43 ug/l

RT: 3.84 min Scan# 533

Delta R.T. 0.01 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

Tot Ion: 43 Resp: 1668158

Ion Ratio Lower Upper

43 100

86 10.4 8.6 12.8

Instrument :

MSVOA_X

ClientSampleId :

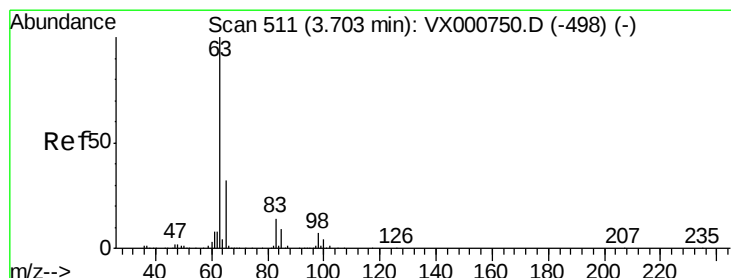
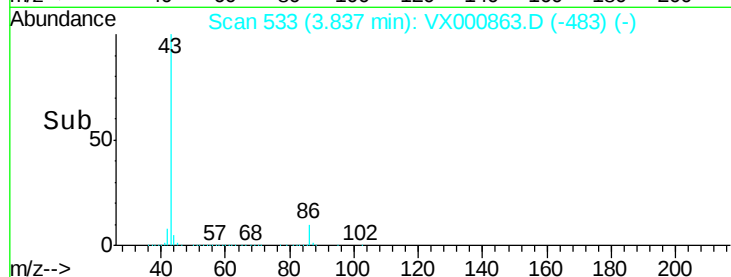
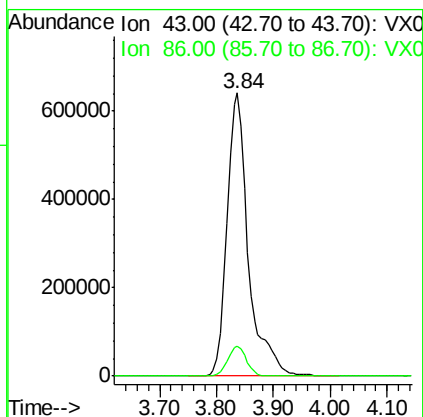
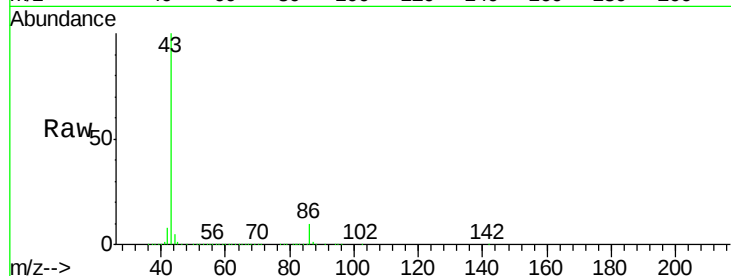
VSTDCCC050EC

Manual Integrations

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MMDadoda

4/16/2018 1:00:00 PM



#24

1,1-Dichloroethane

Concen: 48.68 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

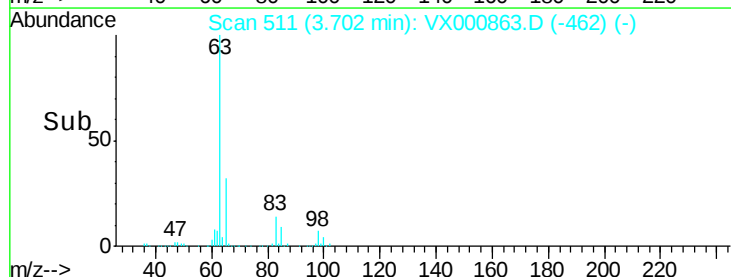
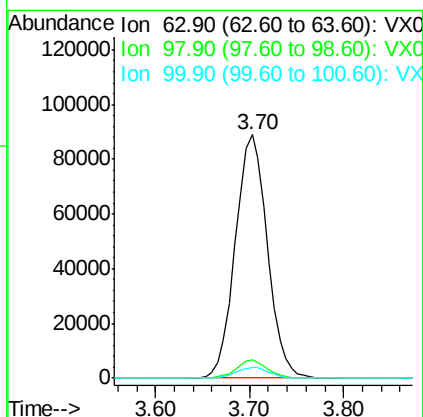
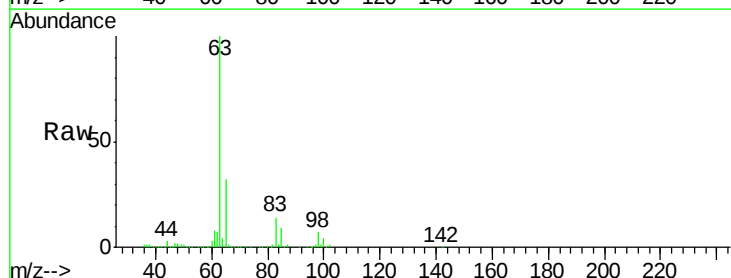
Tgt Ion: 63 Resp: 211446

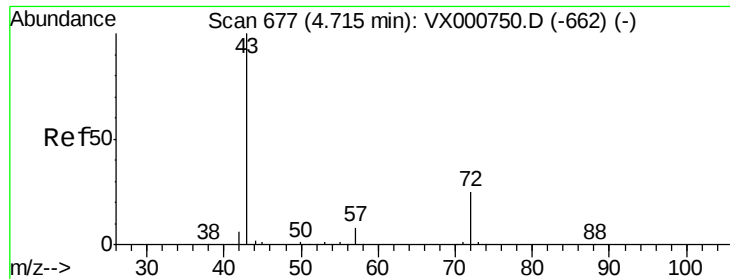
Ion Ratio Lower Upper

63 100

98 7.3 3.3 9.9

100 4.3 2.1 6.3





#25

2-Butanone

Concen: 287.63 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

Tot Ion: 43 Resp: 512623

Ion Ratio Lower Upper

43 100

72 25.3 20.3 30.5

Instrument :

MSVOA_X

ClientSampleId :

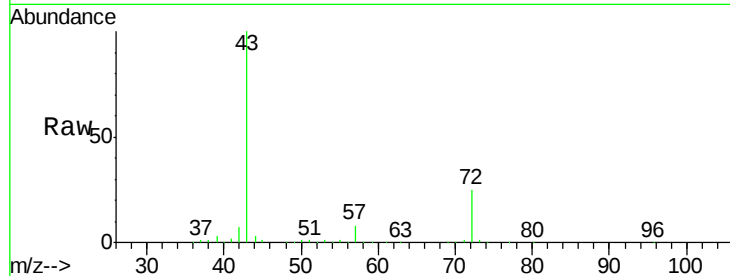
VSTDCCC050EC

Manual Integrations

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MMDadoda

4/16/2018 1:00:00 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

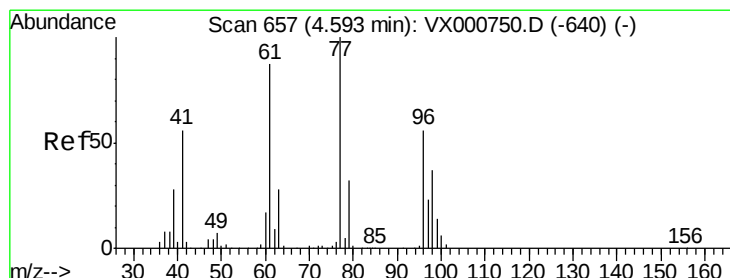
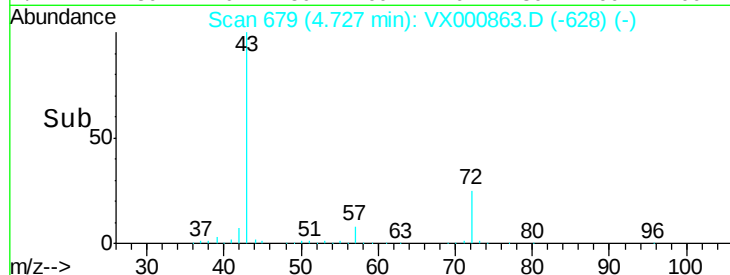
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 40.52 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX000863.D

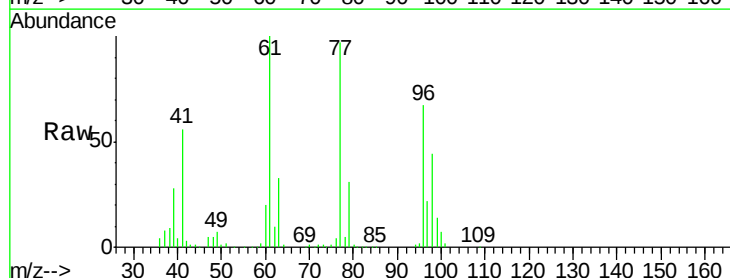
Acq: 13 Apr 2018 21:09

Tgt Ion: 77 Resp: 174706

Ion Ratio Lower Upper

77 100

97 23.5 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

50000

40000

30000

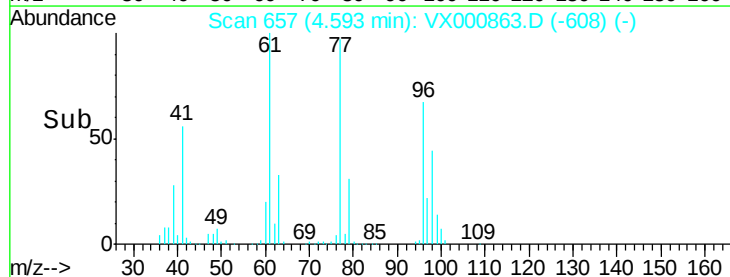
20000

10000

0

4.40 4.50 4.60 4.70 4.80

Time-->





#27

cis-1,2-Dichloroethene

Concen: 49.54 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

Instrument :

MSVOA_X

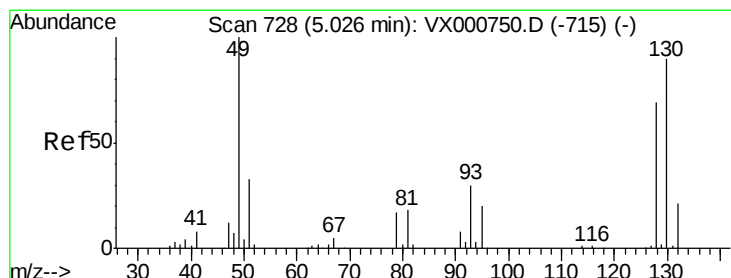
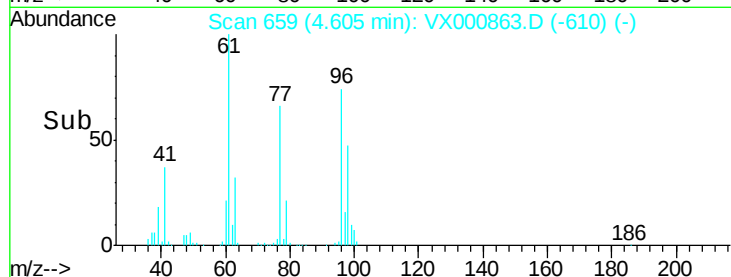
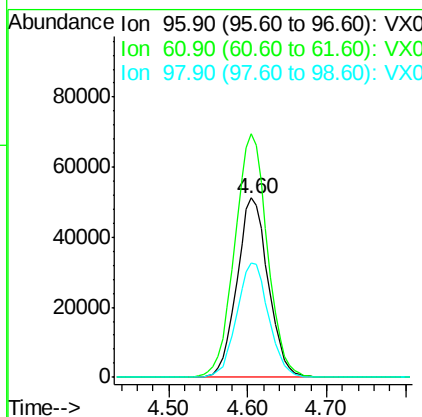
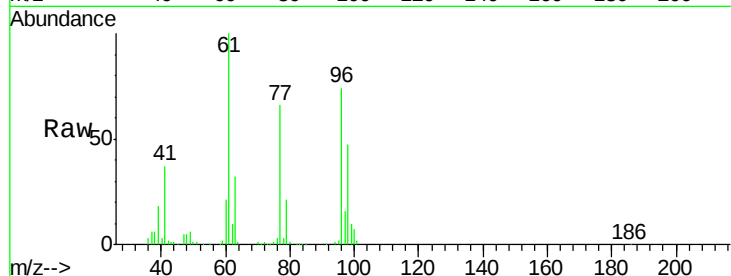
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	141242
Ion Ratio	Lower	Upper	
96	100		
61	141.8	0.0	292.4
98	64.9	0.0	130.2

Manual Integrations
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4/16/2018 1:00:00 PM



#28

Bromochloromethane

Concen: 48.30 ug/l

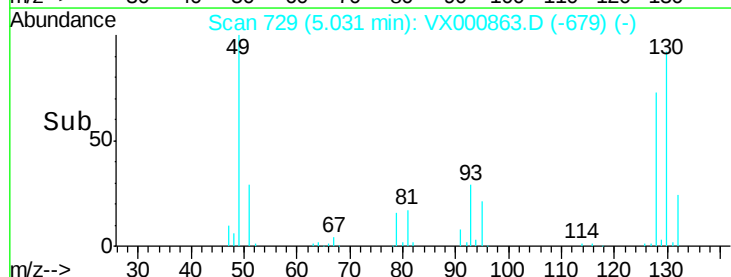
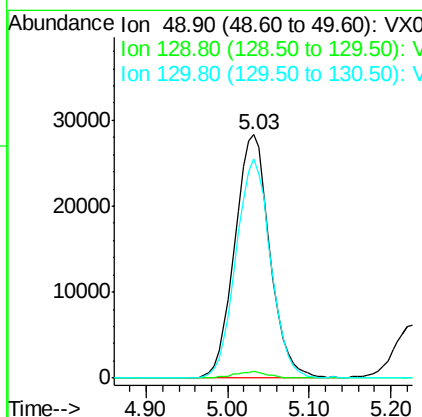
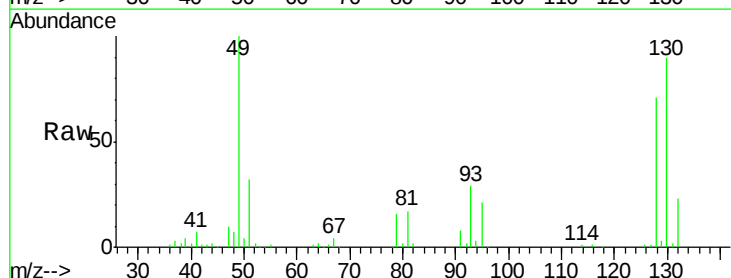
RT: 5.03 min Scan# 729

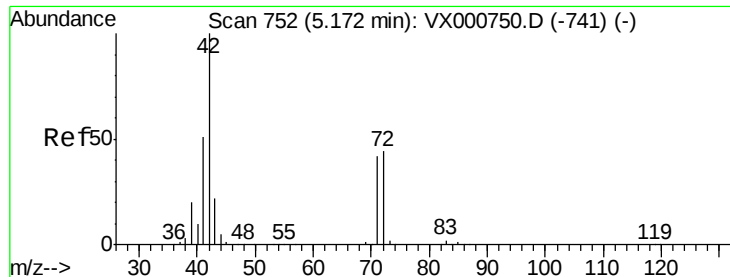
Delta R.T. 0.01 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

Tgt Ion:	49	Resp:	84491
Ion Ratio	Lower	Upper	
49	100		
129	2.5	0.0	5.2
130	89.0	72.6	109.0





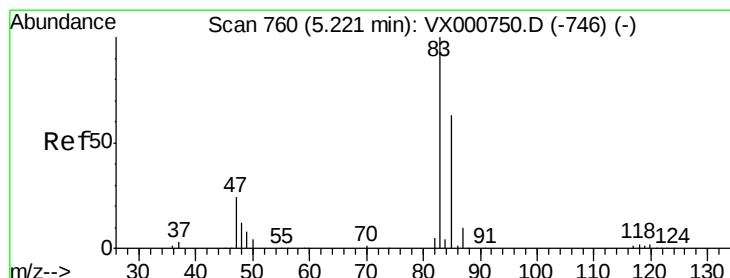
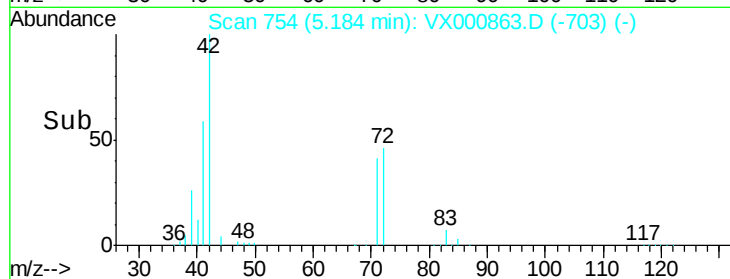
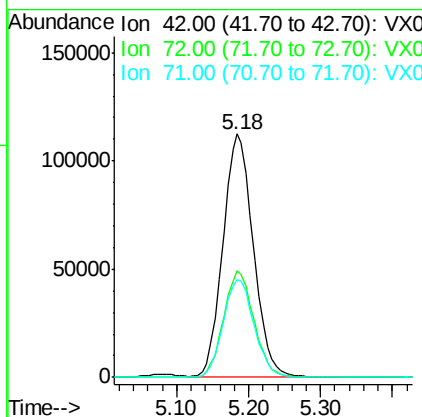
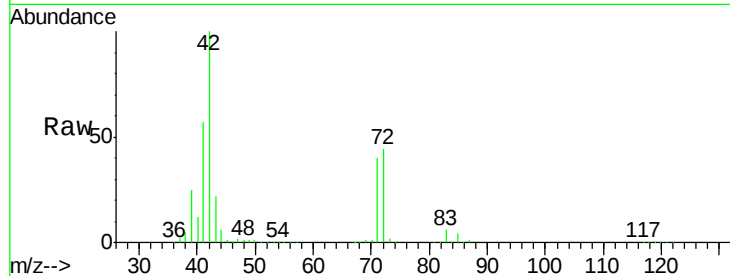
#29
Tetrahydrofuran
Concen: 289.62 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX000863.D
Acq: 13 Apr 2018 21:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	35.1	52.7
71	41.2	32.8	49.2

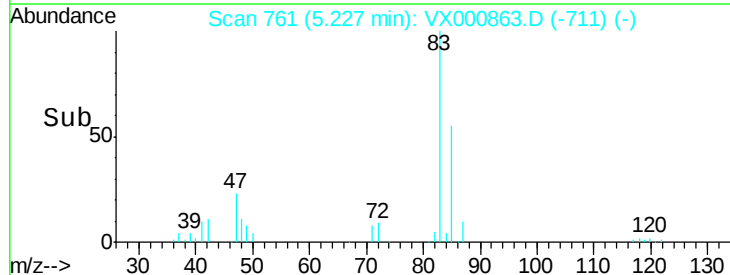
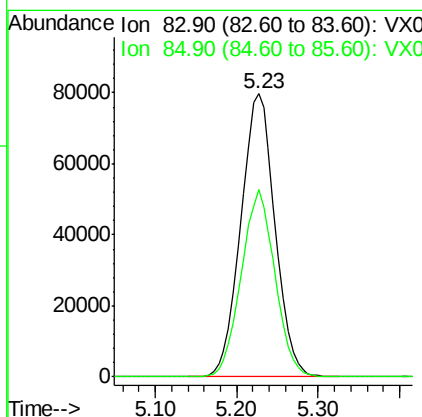
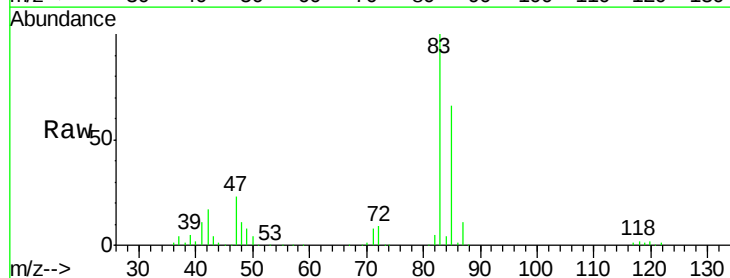
Manual Integrations
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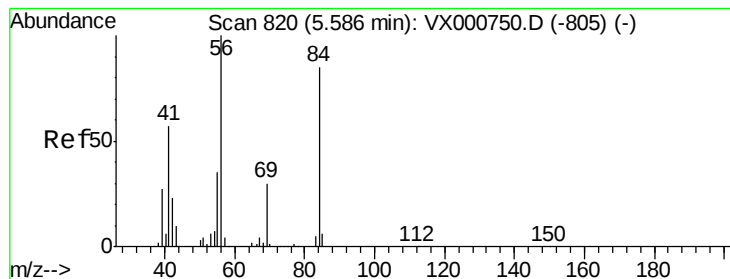
MMDadoda
4/16/2018 1:00:00 PM



#30
Chloroform
Concen: 50.49 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX000863.D
Acq: 13 Apr 2018 21:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	50.7	76.1





#31

Cyclohexane

Concen: 46.66 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.01 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

Instrument :

MSVOA_X

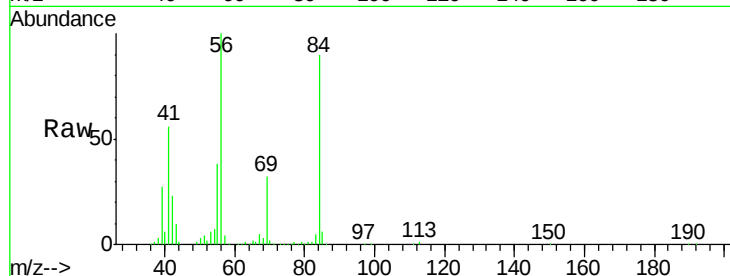
ClientSampleId :

VSTDCCC050EC

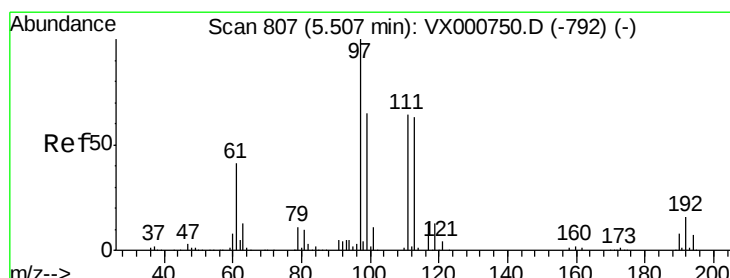
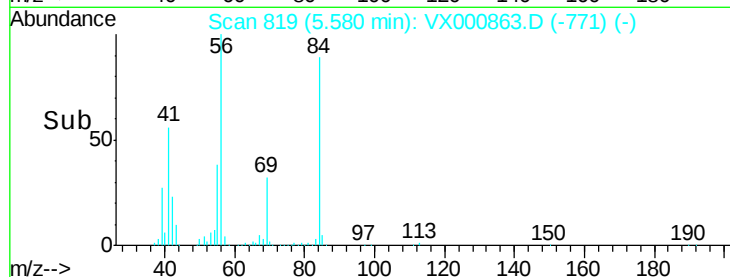
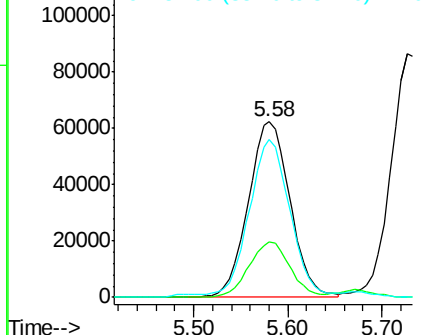
Tot Ion:	56	Resp:	192494
Ion Ratio	Lower	Upper	
56	100		
69	31.8	24.2	36.4
84	87.9	67.6	101.4

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 48.28 ug/l

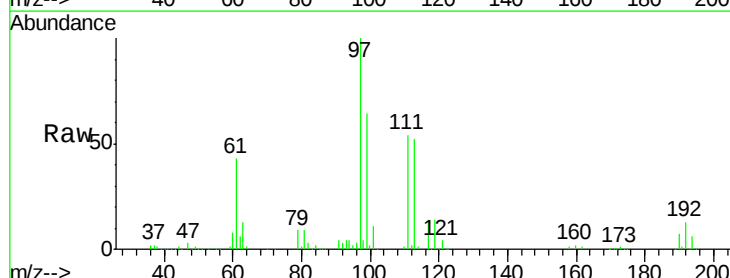
RT: 5.50 min Scan# 806

Delta R.T. -0.01 min

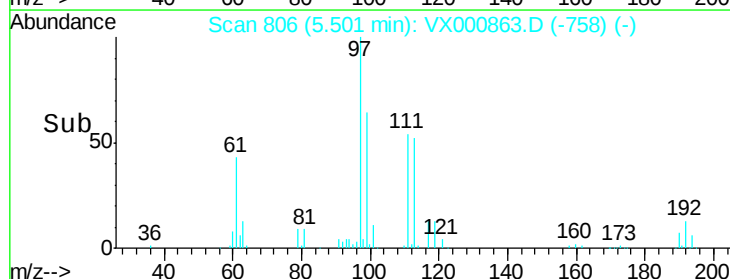
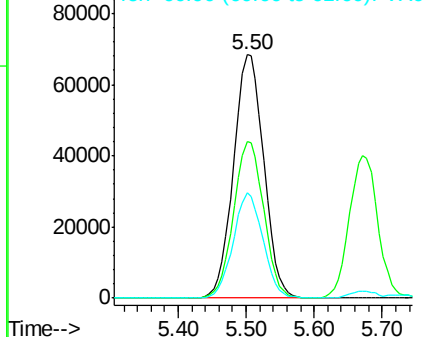
Lab File: VX000863.D

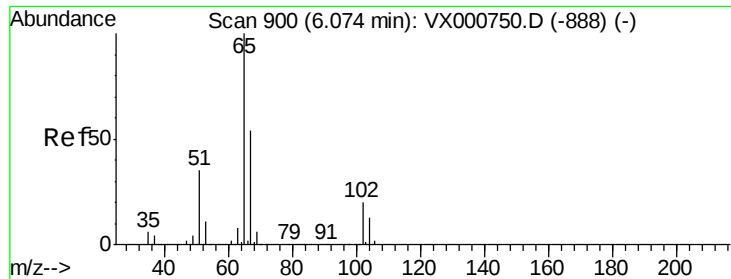
Acq: 13 Apr 2018 21:09

Tgt Ion:	97	Resp:	211526
Ion Ratio	Lower	Upper	
97	100		
99	64.2	51.4	77.0
61	42.3	33.7	50.5



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.80 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 149594

Ion Ratio Lower Upper

65 100

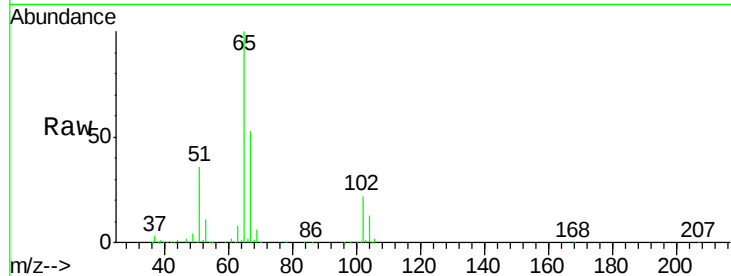
67 52.1 0.0 103.8

Manual Integrations

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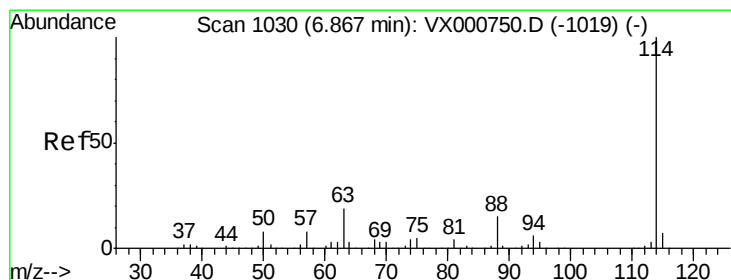
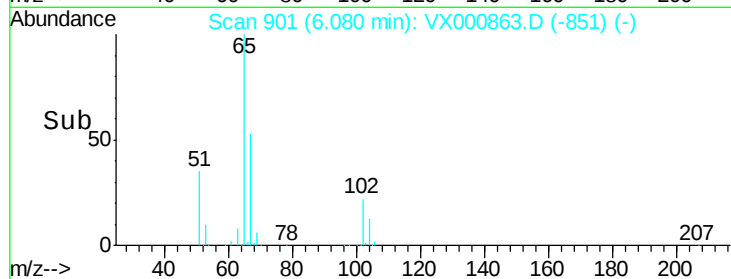
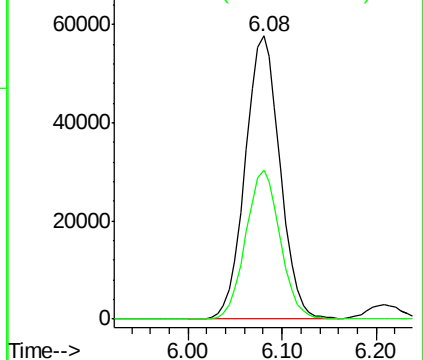
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

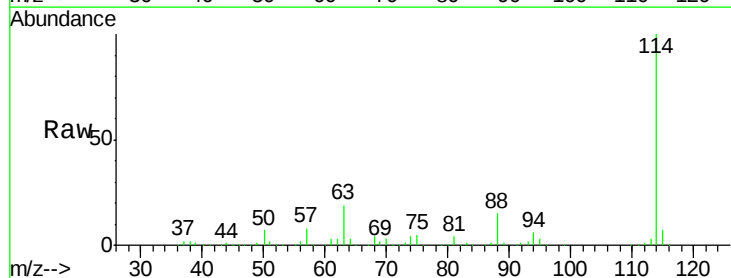
Tgt Ion: 114 Resp: 338897

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.4

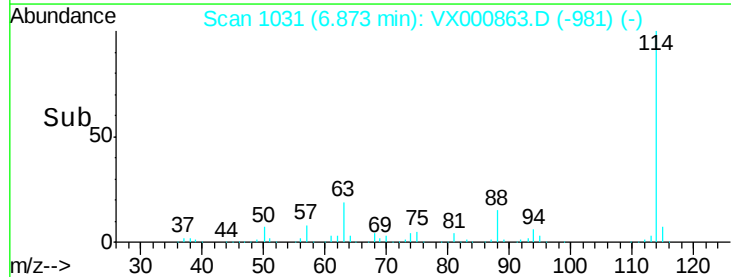
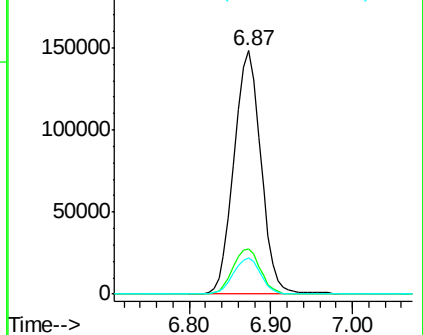
88 14.8 0.0 31.0

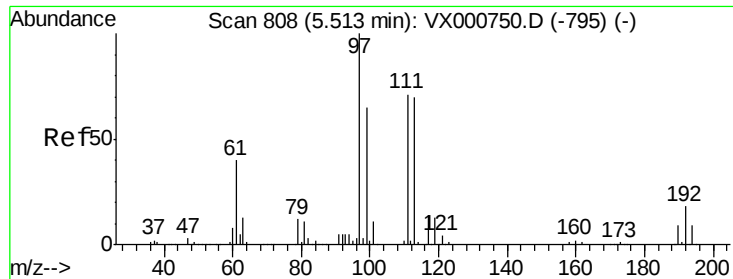


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





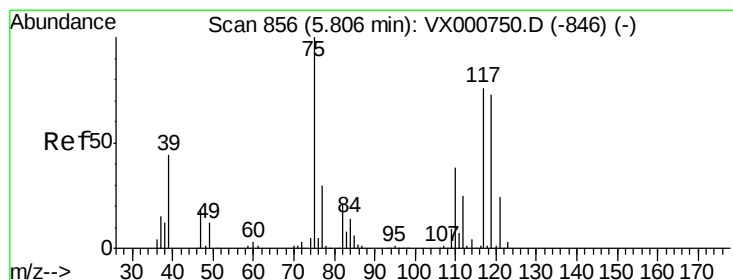
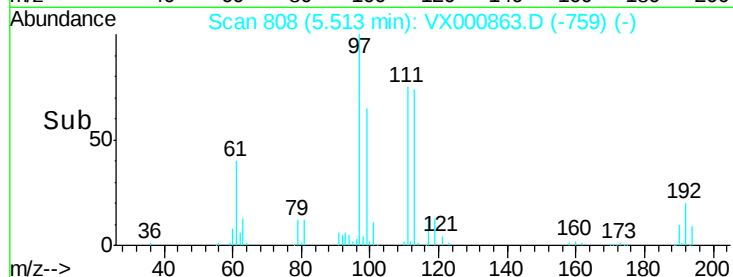
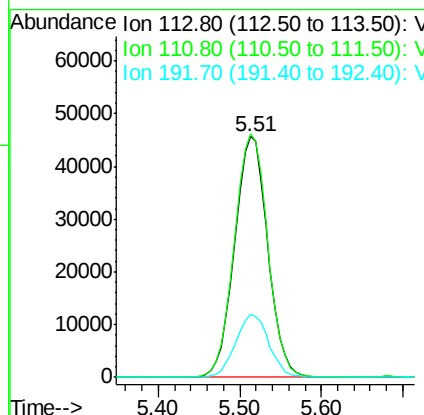
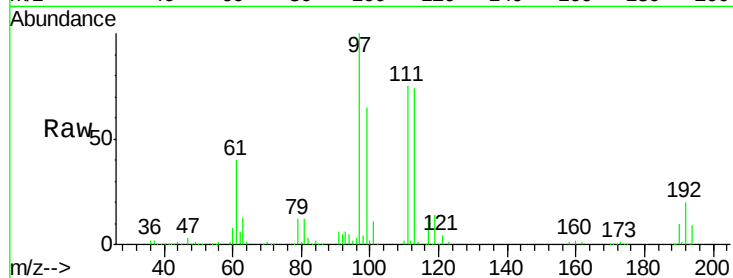
#35
 Dibromofluoromethane
 Concen: 48.97 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000863.D
 Acq: 13 Apr 2018 21:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	127873		
111	102.0	81.5	122.3	
192	26.2	20.4	30.6	

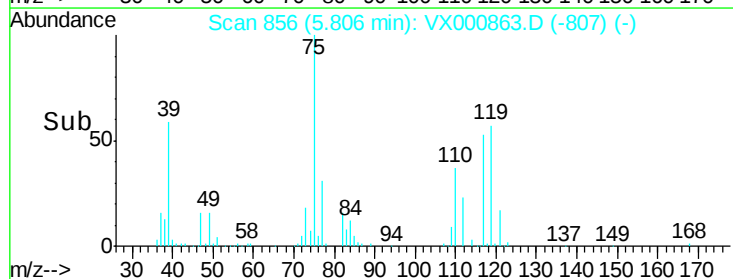
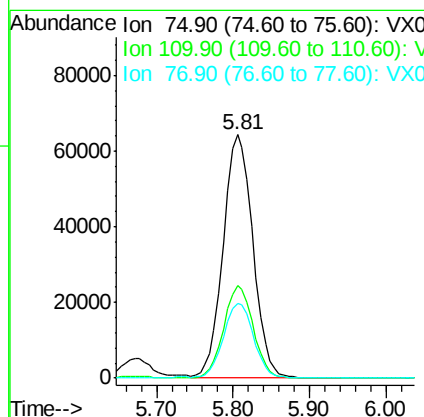
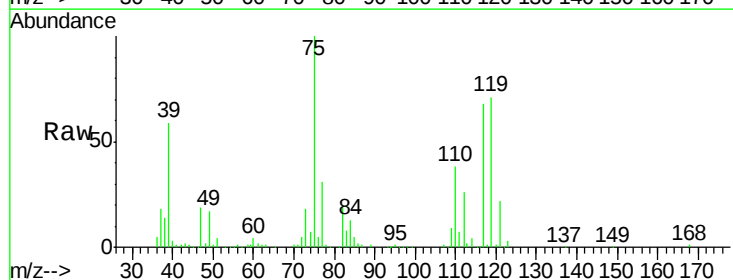
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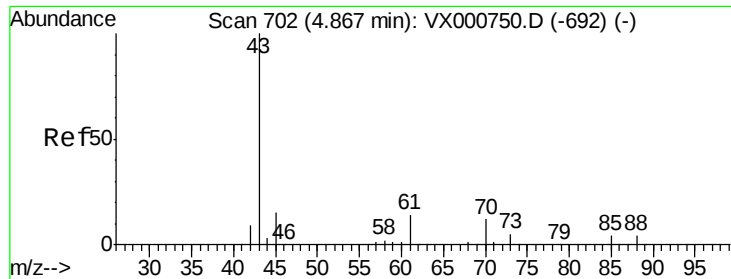
MMDadoda
 4/16/2018 1:00:00 PM



#36
 1,1-Dichloropropene
 Concen: 46.47 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VX000863.D
 Acq: 13 Apr 2018 21:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	173437		
110	37.5	19.2	57.6	
77	30.9	25.4	38.2	





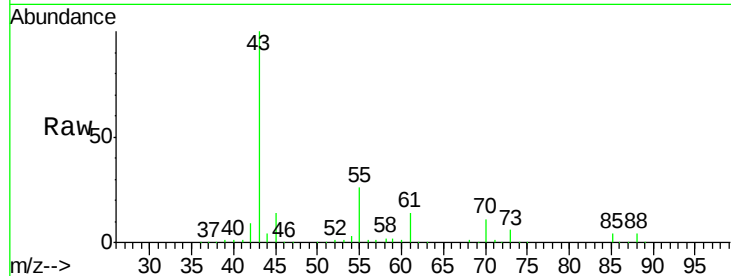
#37
Ethyl Acetate
Concen: 54.32 ug/l
RT: 4.88 min Scan# 704
Delta R.T. 0.01 min
Lab File: VX000863.D
Acq: 13 Apr 2018 21:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

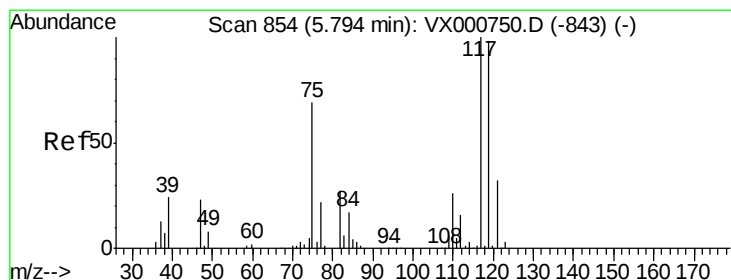
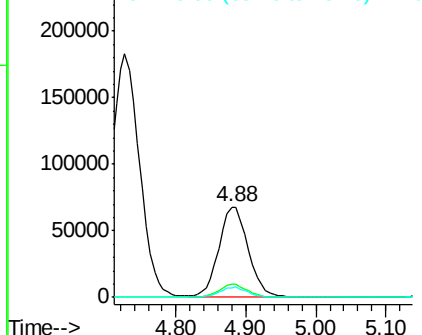
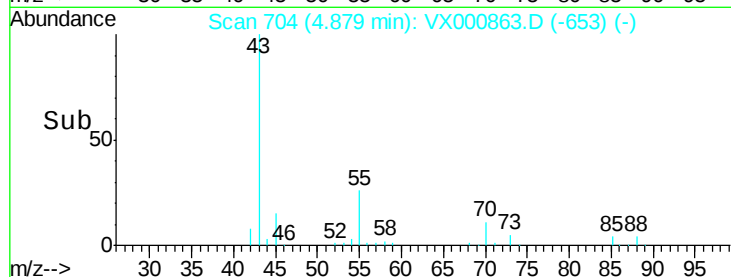
Tot Ion:	43	Resp:	197910
Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.4
70	10.9	8.7	13.1

Manual Integrations
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4/16/2018 1:00:00 PM

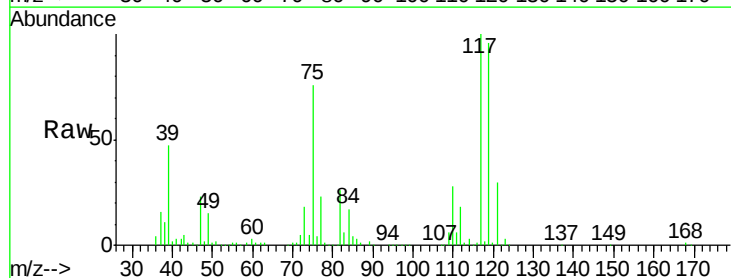


Abundance Ion 43.00 (42.70 to 43.70): VX000863.D (-653) (-)

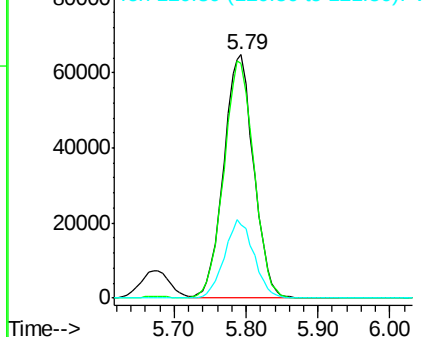
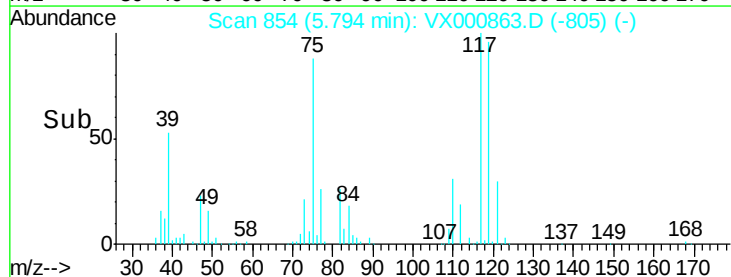


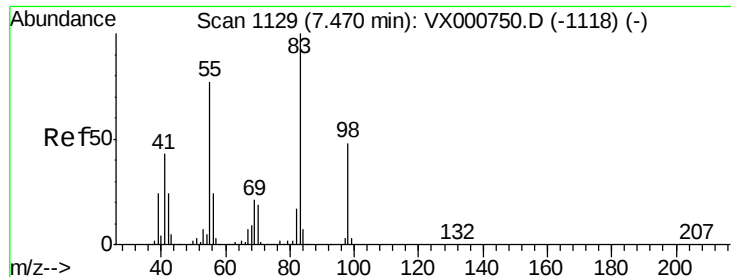
#38
Carbon Tetrachloride
Concen: 44.89 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.00 min
Lab File: VX000863.D
Acq: 13 Apr 2018 21:09

Tgt Ion:	117	Resp:	187517
Ion	Ratio	Lower	Upper
117	100		
119	96.2	78.4	117.6
121	30.0	25.4	38.0



Abundance Ion 116.80 (116.50 to 117.50): VX000863.D (-805) (-)





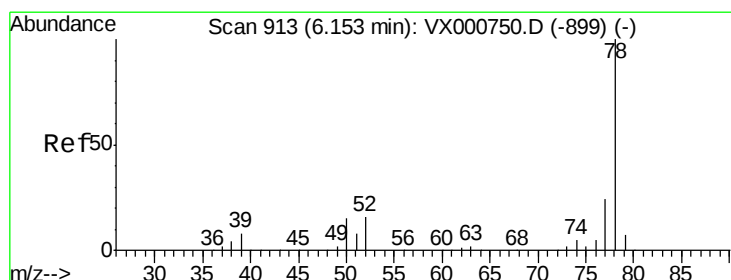
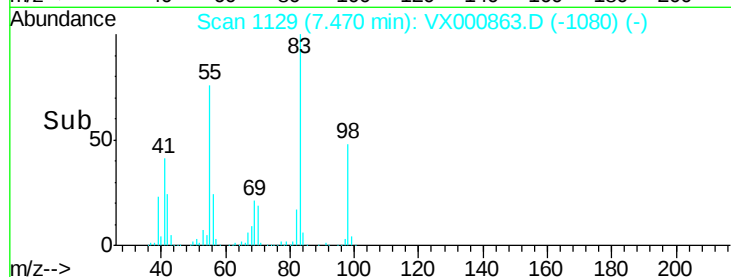
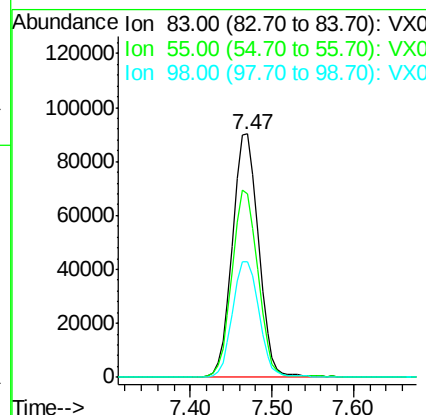
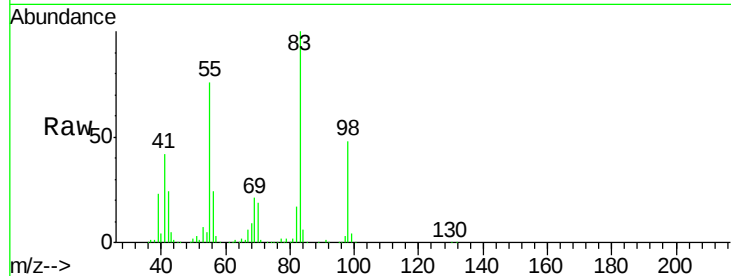
#39
Methvlcvclohexane
Concen: 44.79 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000863.D
Acq: 13 Apr 2018 21:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	200761		
55	75.5		61.5	92.3
98	47.7		38.1	57.1

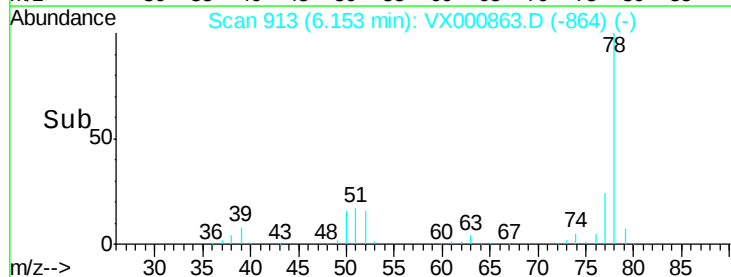
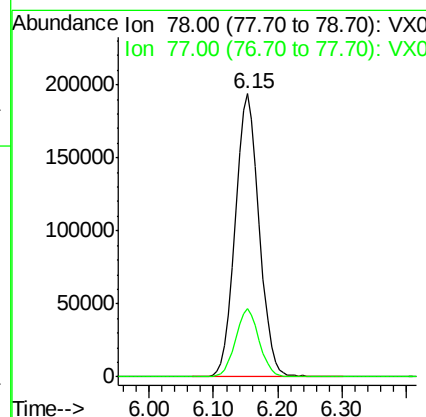
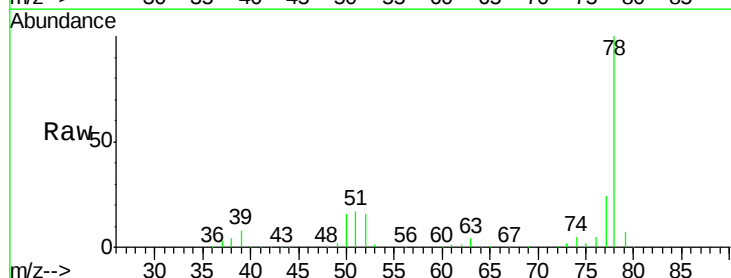
Manual Integrations
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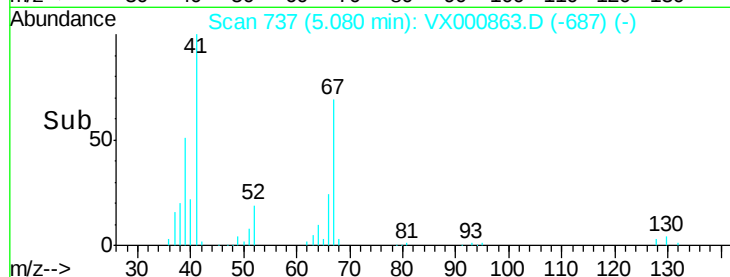
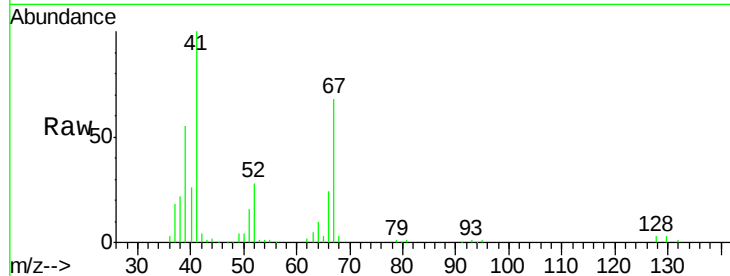
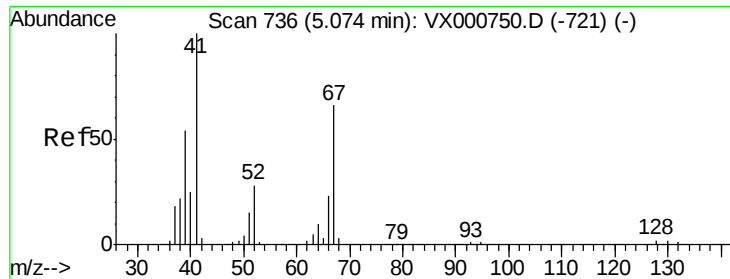
MMDadoda
4/16/2018 1:00:00 PM



#40
Benzene
Concen: 48.56 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX000863.D
Acq: 13 Apr 2018 21:09

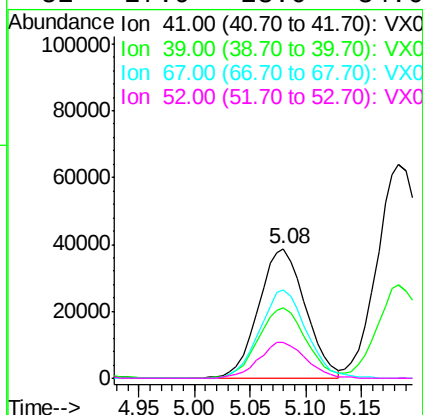
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	503555		
77	24.2		19.0	28.6





#41
Methacrylonitrile
Concen: 53.68 ug/l
RT: 5.08 min Scan# 737
Delta R.T. 0.01 min
Lab File: VX000863.D
Acq: 13 Apr 2018 21:09

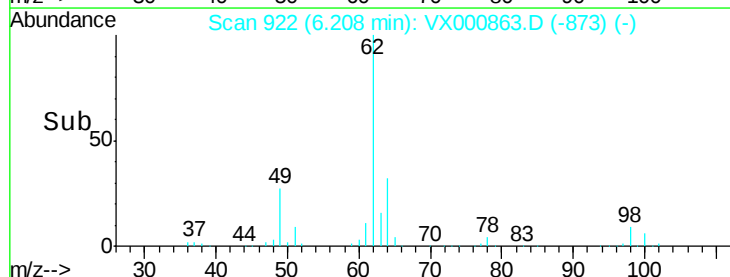
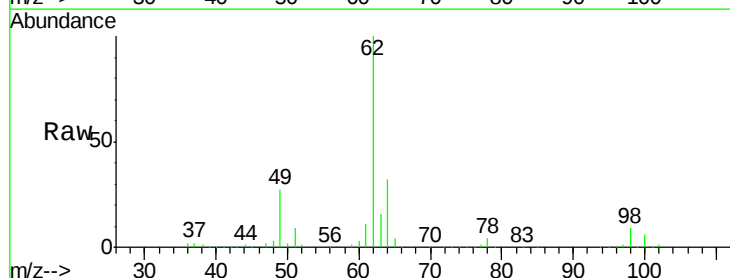
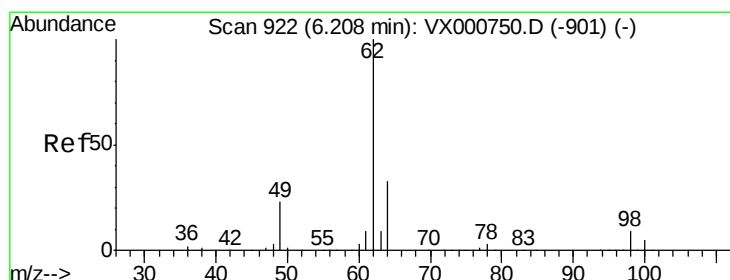
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.8	44.9	67.3	
67	68.2	54.7	82.1	
52	27.9	23.0	34.6	



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

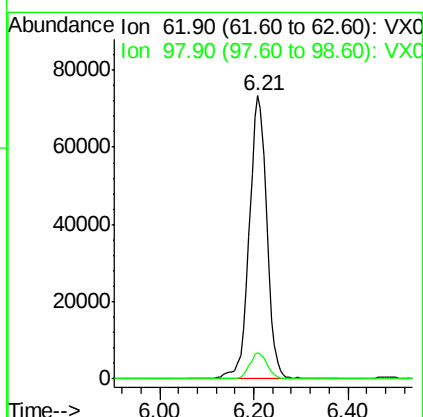
Manual Integrations
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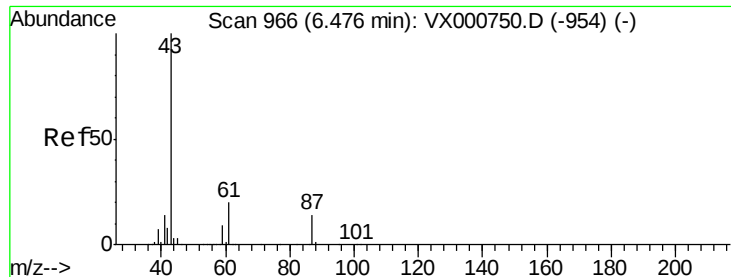
MMDadoda
4/16/2018 1:00:00 PM



#42
1,2-Dichloroethane
Concen: 49.15 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.00 min
Lab File: VX000863.D
Acq: 13 Apr 2018 21:09

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	0.0	18.6	





#43

Isopropyl Acetate

Concen: 51.07 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

Instrument :

MSVOA_X

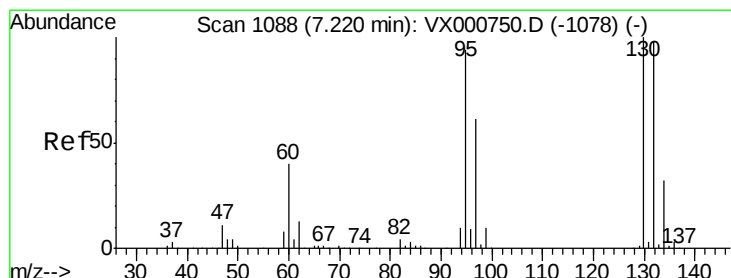
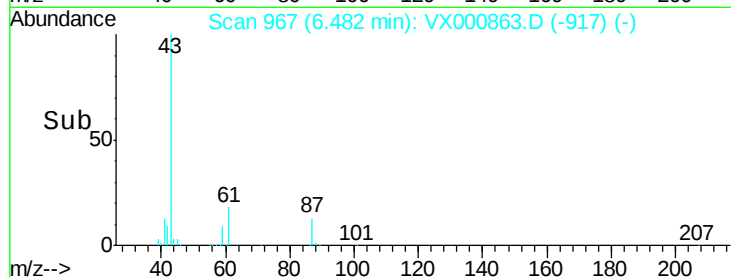
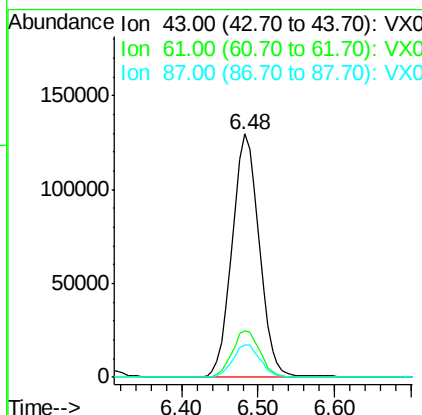
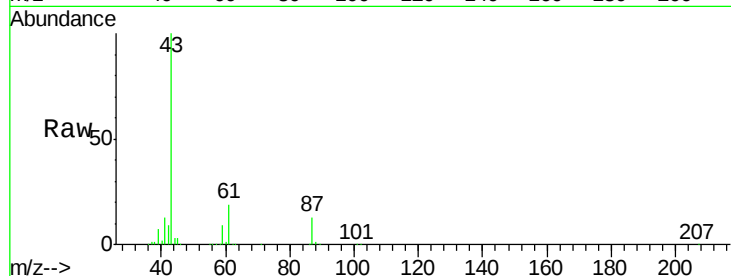
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	319044
Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.6	23.4
87	13.6	10.7	16.1

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#44

Trichloroethene

Concen: 47.76 ug/l

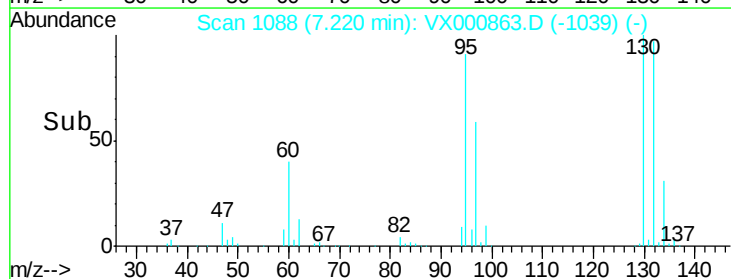
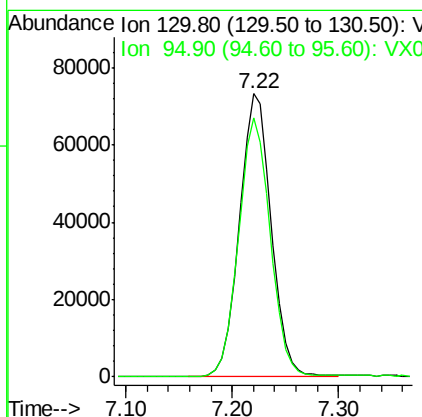
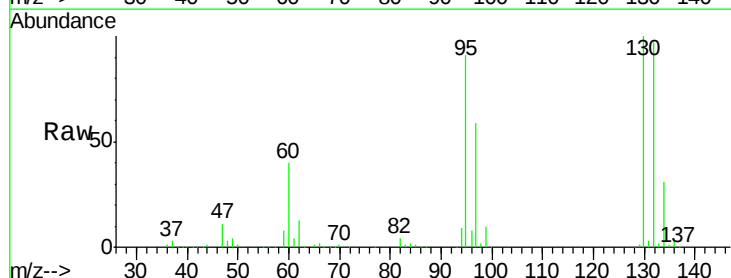
RT: 7.22 min Scan# 1088

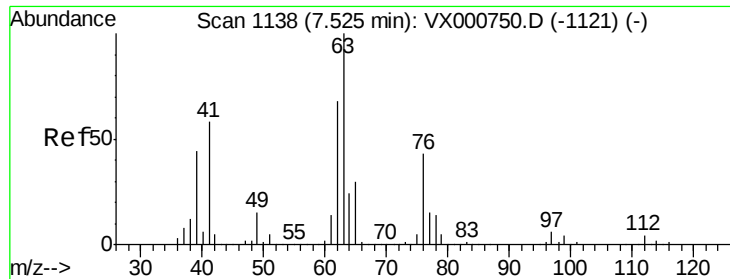
Delta R.T. -0.00 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

Tgt Ion:	130	Resp:	154054
Ion	Ratio	Lower	Upper
130	100		
95	91.3	0.0	187.0





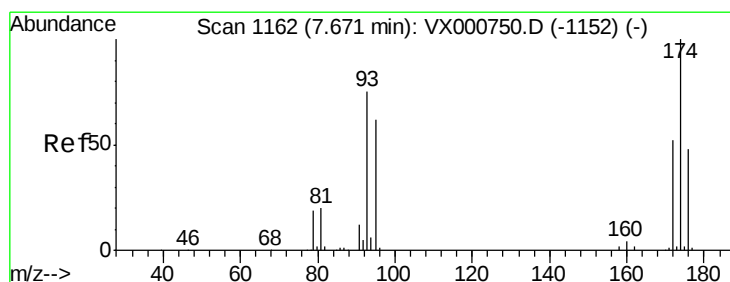
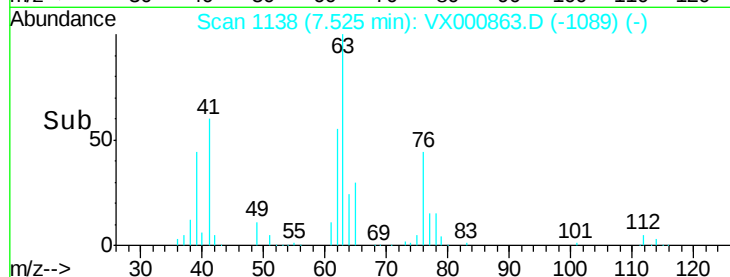
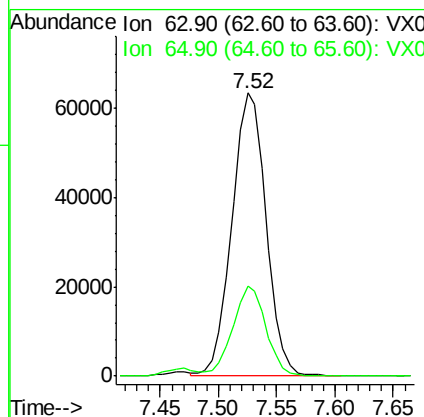
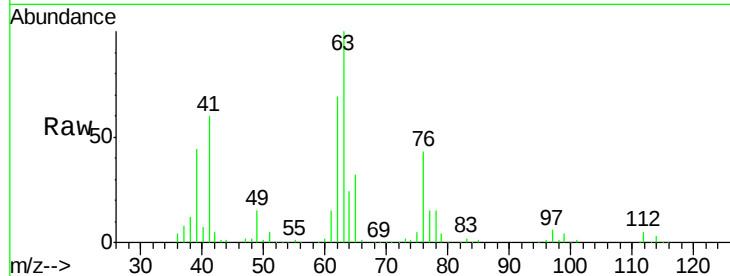
#45
 1,2-Dichloropropane
 Concen: 48.78 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX000863.D
 Acq: 13 Apr 2018 21:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	23.7	35.5

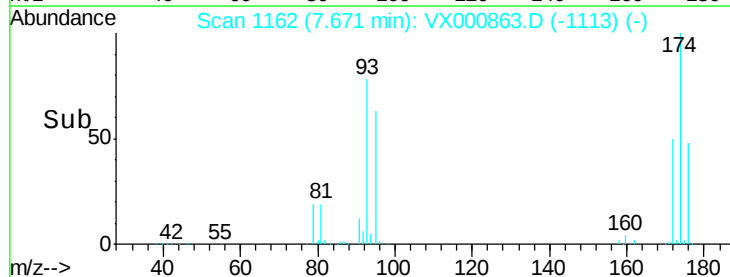
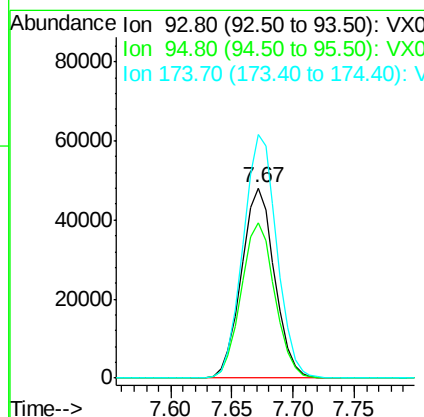
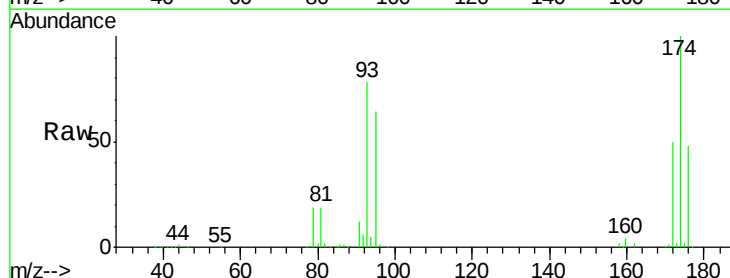
Manual Integrations
 APPROVED

MMDadoda
 4/16/2018 1:00:00 PM



#46
 Dibromomethane
 Concen: 49.16 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX000863.D
 Acq: 13 Apr 2018 21:09

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.6	100.0
174	130.3	104.5	156.7





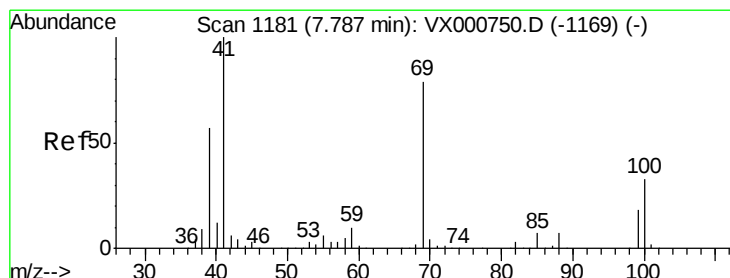
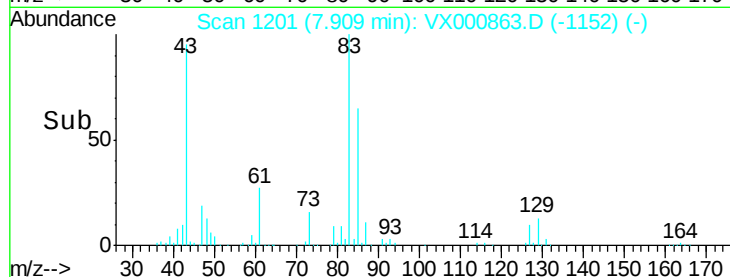
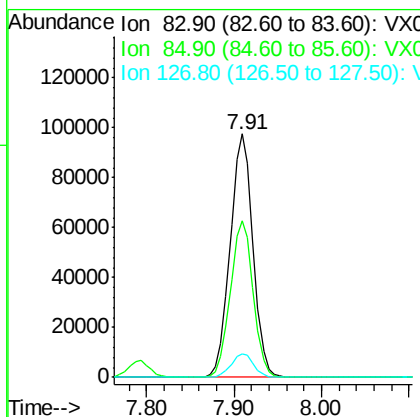
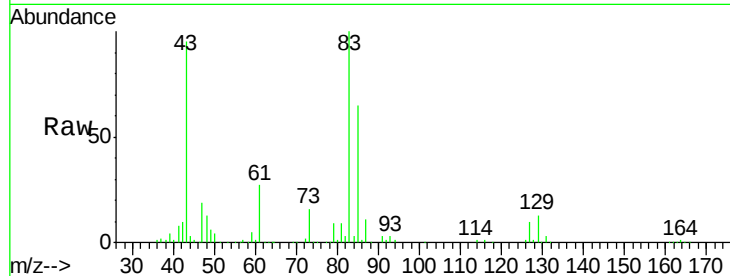
#47
 Bromodichloromethane
 Concen: 47.54 ug/l
 RT: 7.91 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VX000863.D
 Acq: 13 Apr 2018 21:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	83	Resp	176661
Ion Ratio	Lower	Upper	
83	100		
85	64.5	52.2	78.4
127	9.6	7.8	11.8

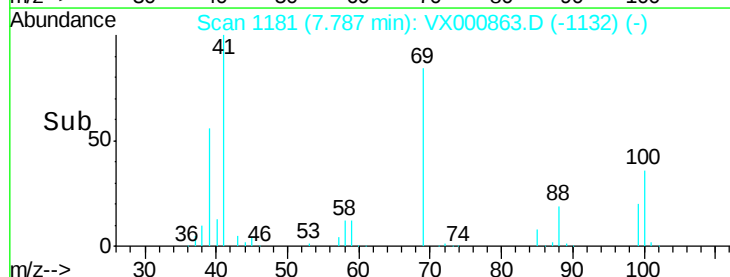
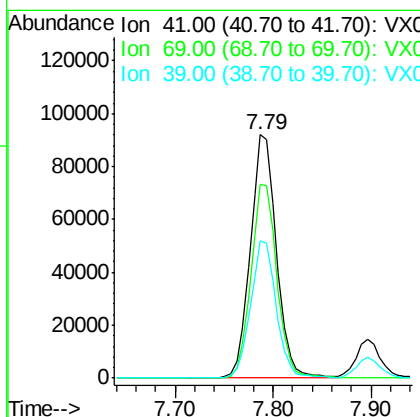
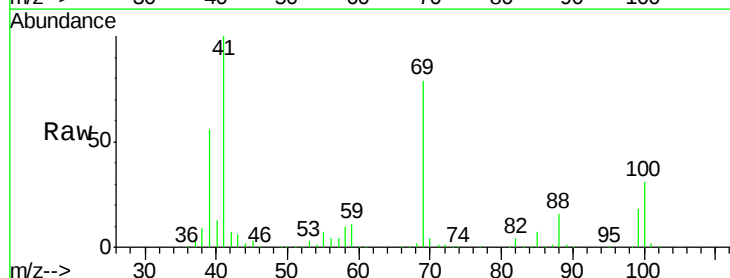
Manual Integrations
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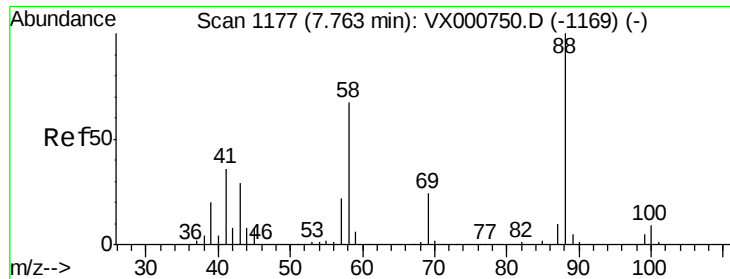
MMDadoda
 4/16/2018 1:00:00 PM



#48
 Methyl methacrylate
 Concen: 52.29 ug/l
 RT: 7.79 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VX000863.D
 Acq: 13 Apr 2018 21:09

Tgt Ion	41	Resp	169328
Ion Ratio	Lower	Upper	
41	100		
69	80.1	63.9	95.9
39	55.6	45.9	68.9





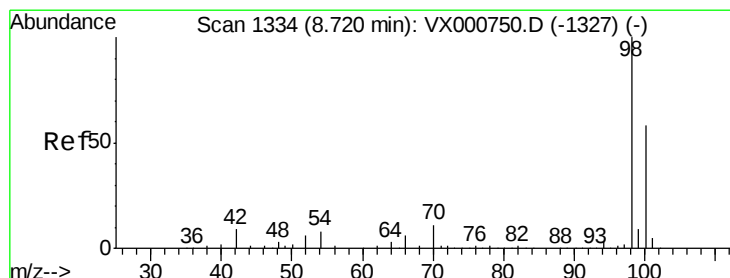
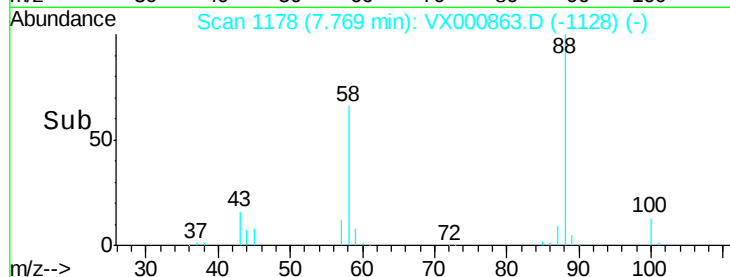
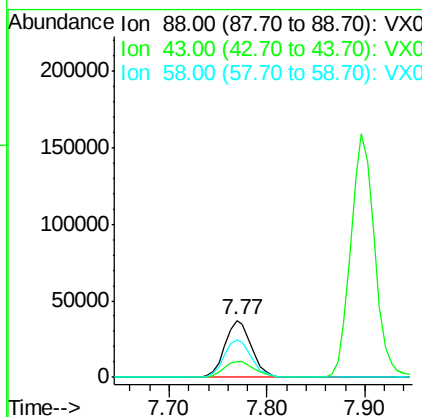
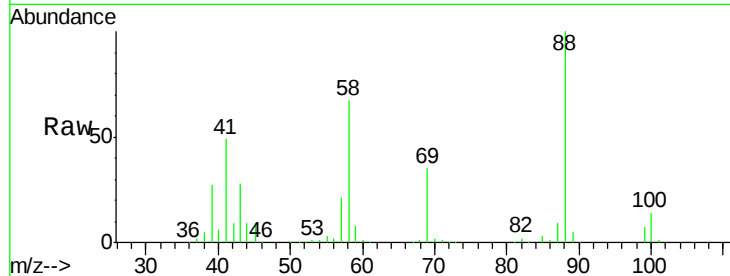
#49
1,4-Dioxane
Concen: 1066.47 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VX000863.D
Acq: 13 Apr 2018 21:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	69397
Ion Ratio	Lower	Upper	
88	100		
43	32.7	25.8	38.8
58	68.4	54.4	81.6

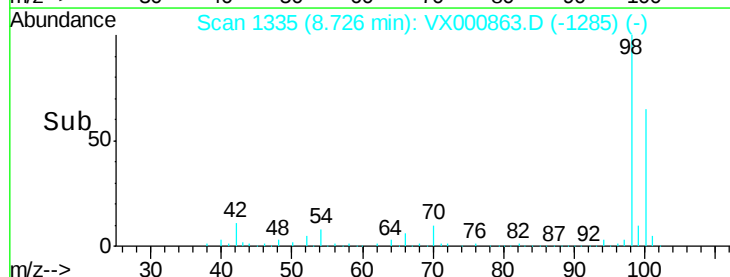
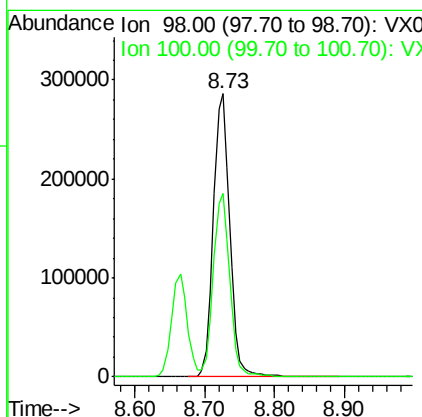
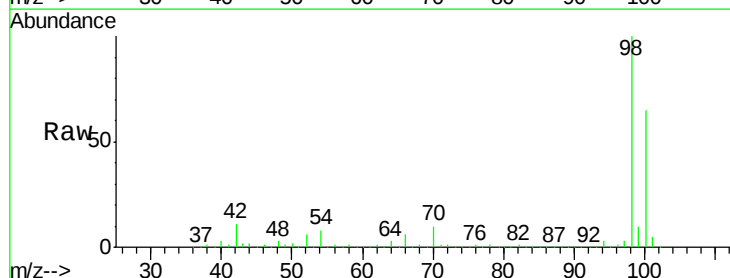
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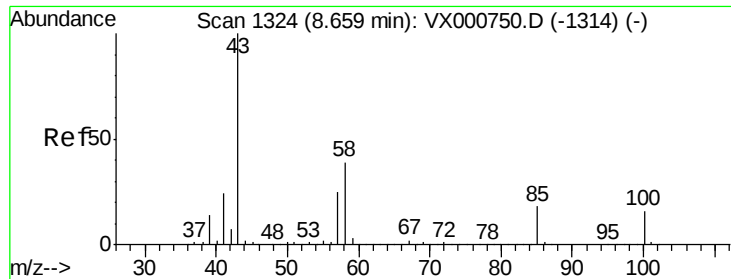
MMDadoda
4/16/2018 1:00:00 PM



#50
Toluene-d8
Concen: 48.01 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.01 min
Lab File: VX000863.D
Acq: 13 Apr 2018 21:09

Tgt Ion	98	Resp	466728
Ion Ratio	Lower	Upper	
98	100		
100	64.9	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 281.06 ug/l

RT: 8.66 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1031311

Ion Ratio Lower Upper

43 100

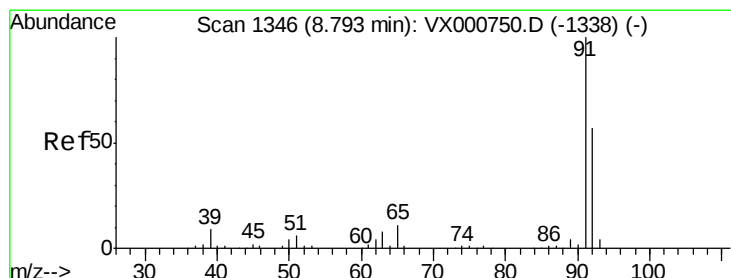
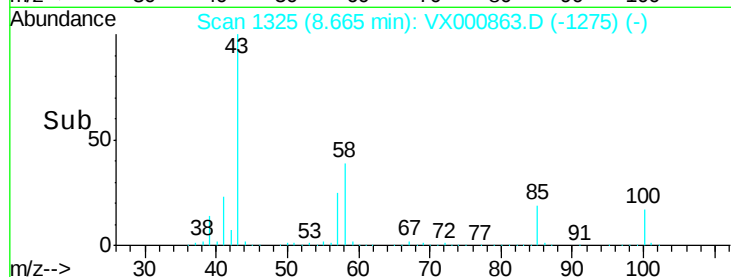
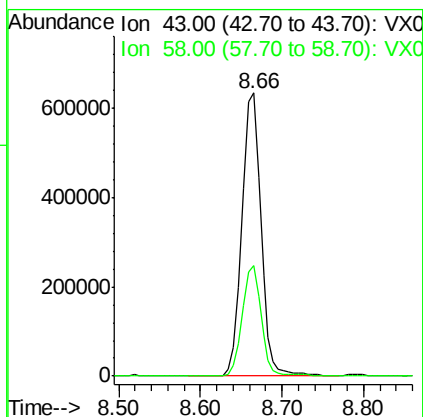
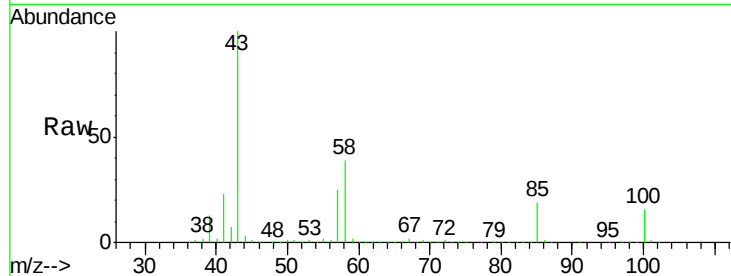
58 38.9 30.3 45.5

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#52

Toluene

Concen: 48.27 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000863.D

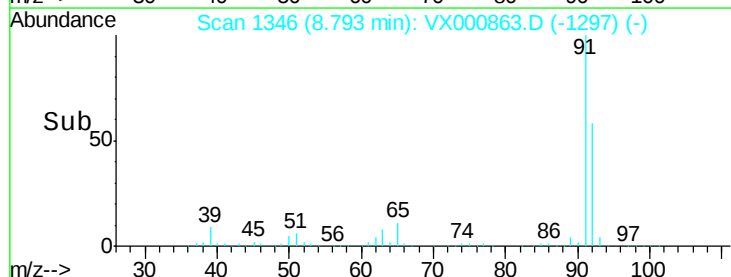
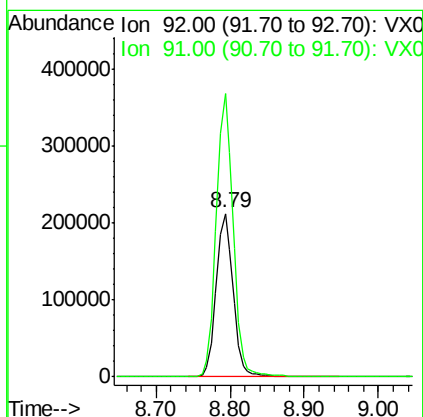
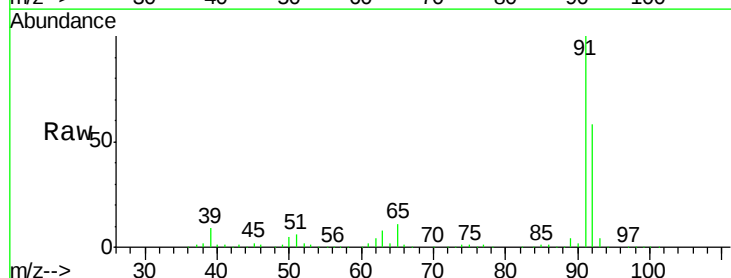
Acq: 13 Apr 2018 21:09

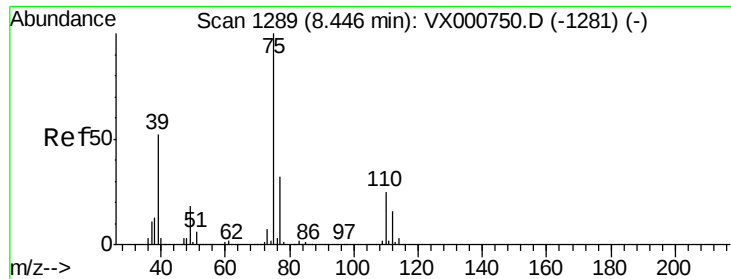
Tgt Ion: 92 Resp: 332138

Ion Ratio Lower Upper

92 100

91 173.8 139.0 208.4





#53

t-1,3-Dichloropropene

Concen: 46.98 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 209394

Ion Ratio Lower Upper

75 100

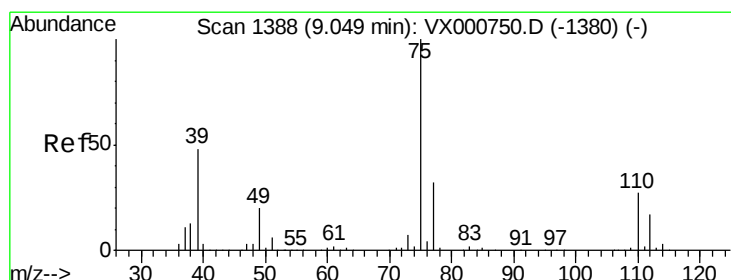
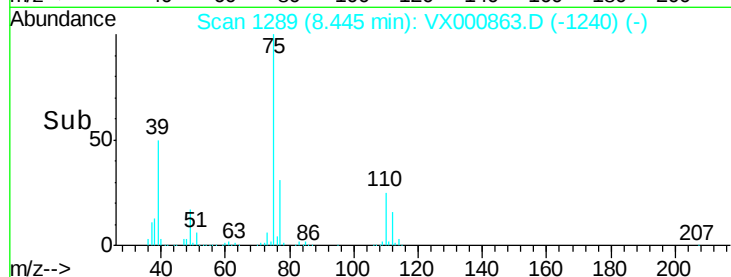
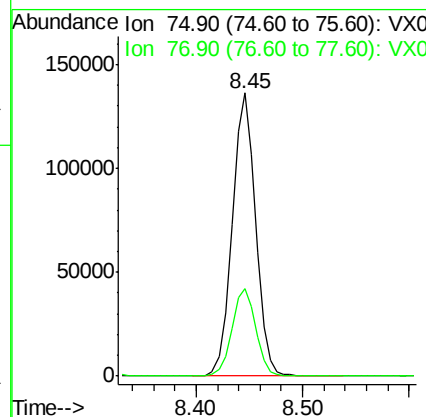
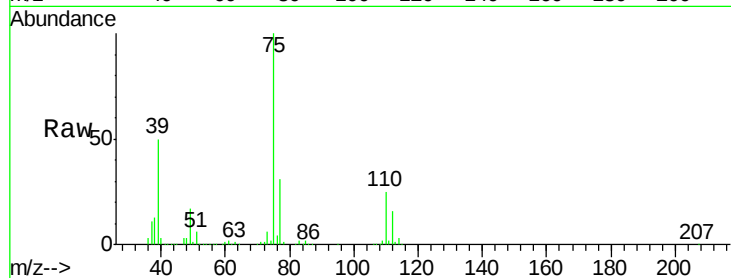
77 30.7 25.4 38.2

Manual Integrations

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4/16/2018 1:00:00 PM



#54

cis-1,3-Dichloropropene

Concen: 46.55 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

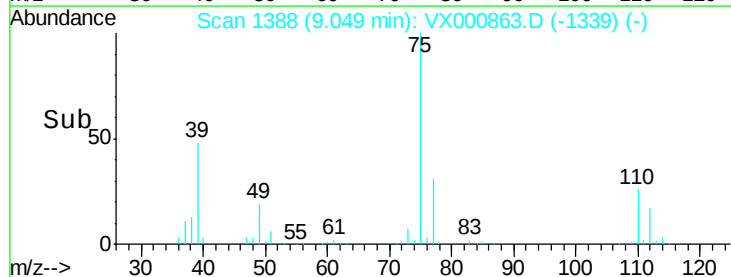
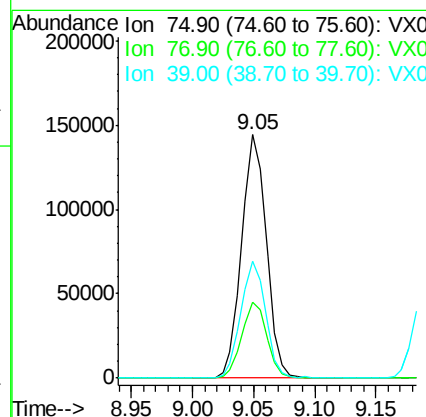
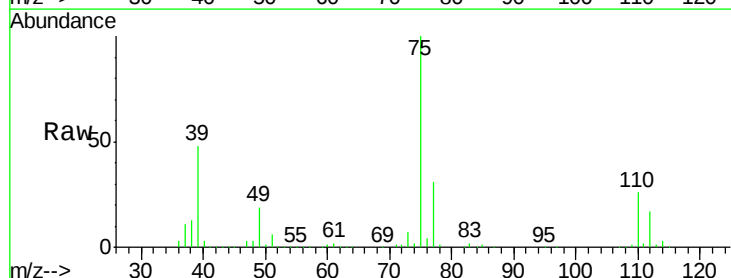
Tgt Ion: 75 Resp: 202023

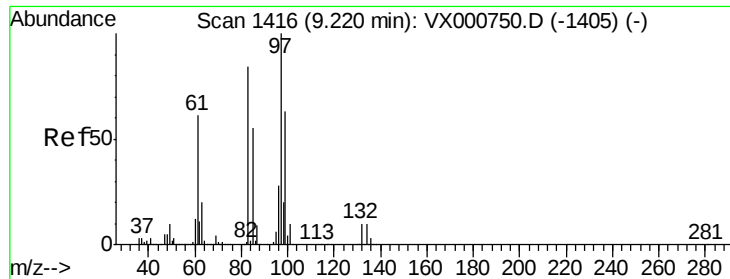
Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.2

39 47.9 38.6 58.0





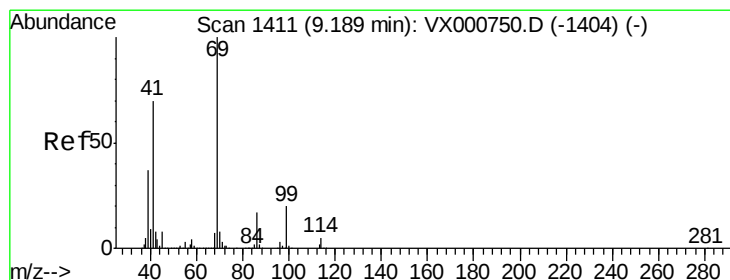
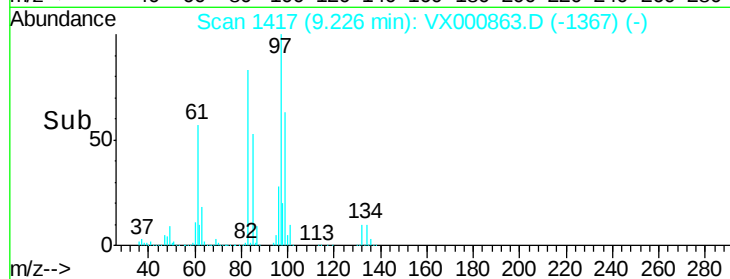
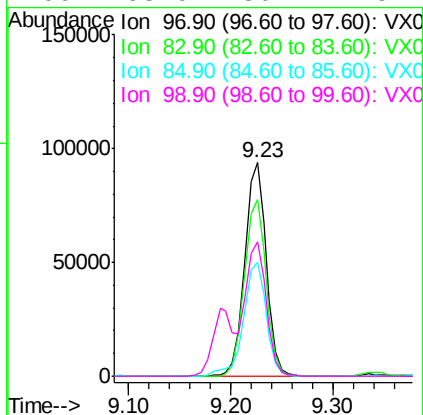
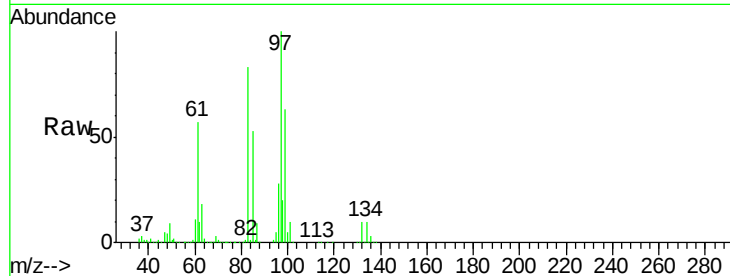
#55
 1,1,2-Trichloroethane
 Concen: 50.27 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VX000863.D
 Acq: 13 Apr 2018 21:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		137315		
83	82.7	67.6	101.4		
85	53.3	43.8	65.6		
99	63.0	50.2	75.4		

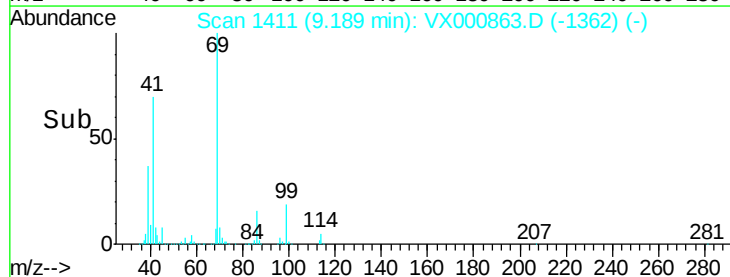
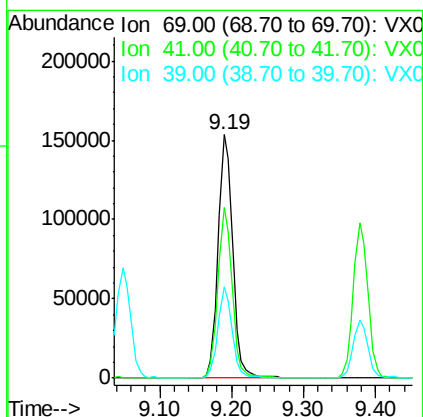
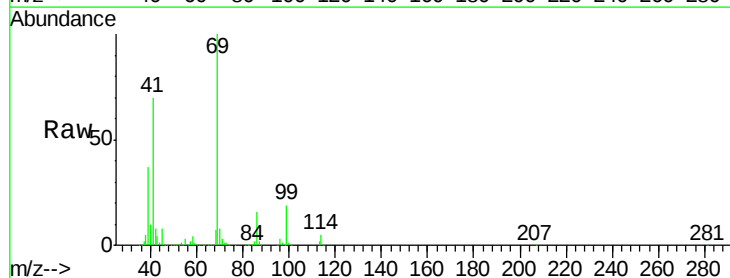
Manual Integrations
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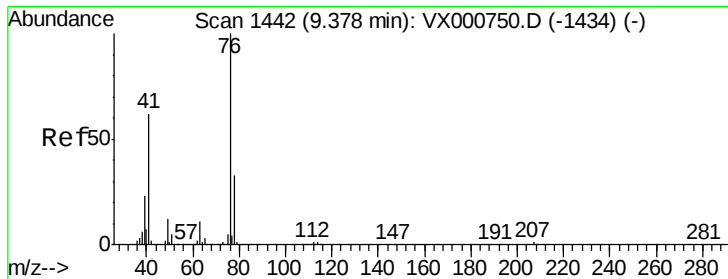
MMDadoda
 4/16/2018 1:00:00 PM



#56
 Ethyl methacrylate
 Concen: 50.82 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX000863.D
 Acq: 13 Apr 2018 21:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		214115		
41	68.9	55.6	83.4		
39	36.5	30.3	45.5		





#57

1,3-Dichloropropane

Concen: 50.83 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 220729

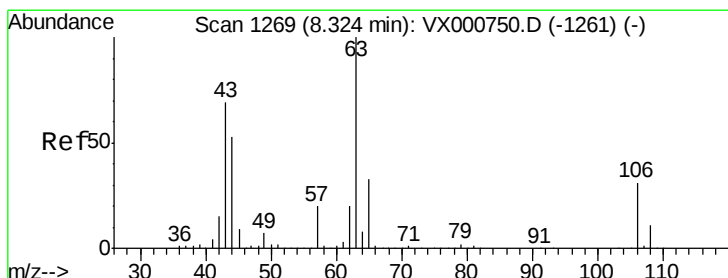
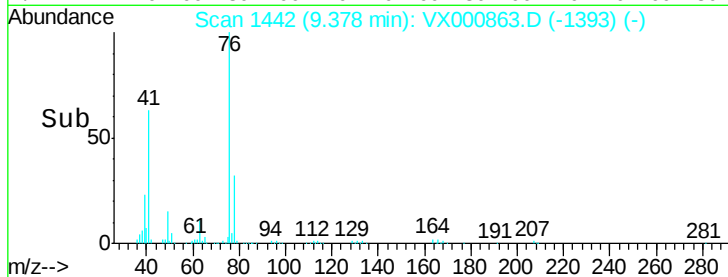
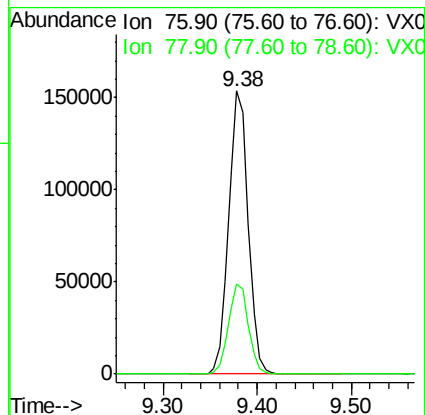
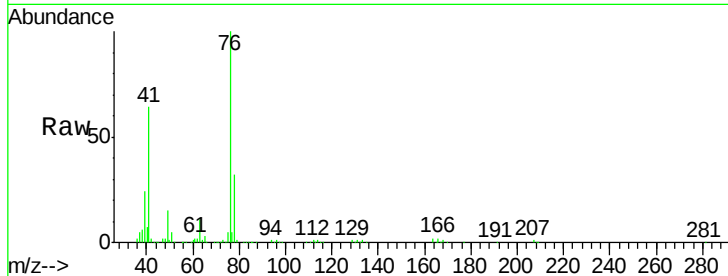
Ion Ratio Lower Upper

76 100

78 32.5 25.8 38.6

Manual Integrations
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MMDadoda
4/16/2018 1:00:00 PM



#58

2-Chloroethyl Vinyl ether

Concen: 271.43 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VX000863.D

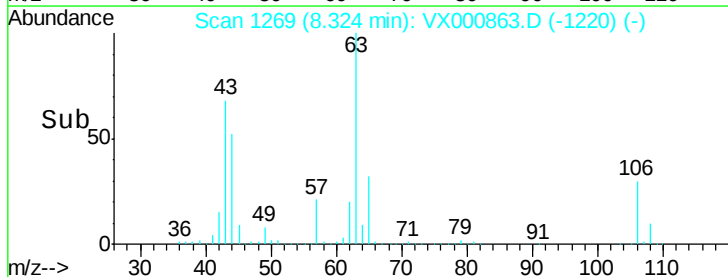
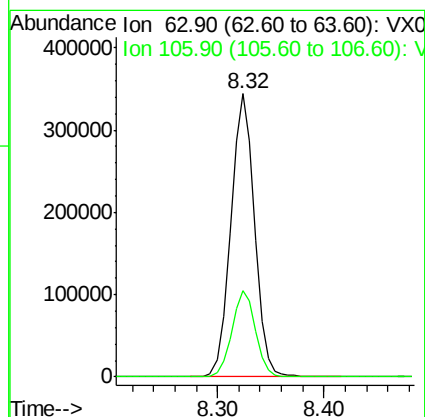
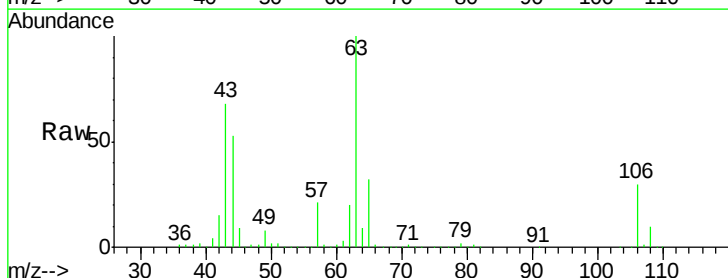
Acq: 13 Apr 2018 21:09

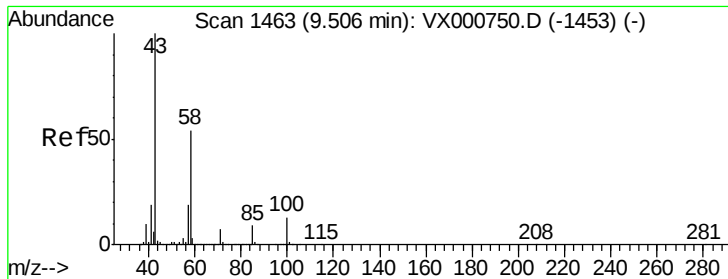
Tgt Ion: 63 Resp: 534341

Ion Ratio Lower Upper

63 100

106 30.4 24.3 36.5





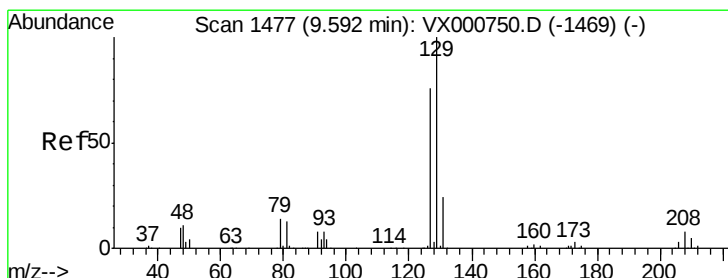
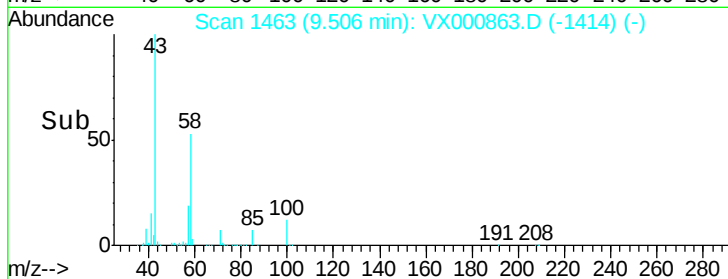
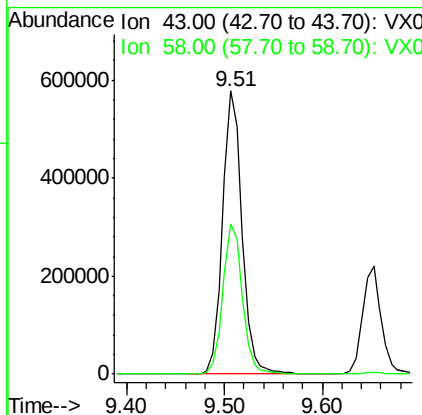
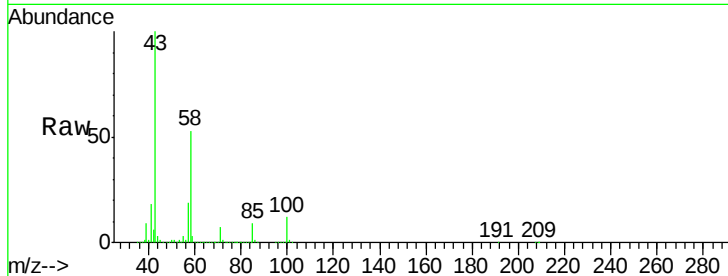
#59
2-Hexanone
Concen: 282.00 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000863.D
Acq: 13 Apr 2018 21:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.5	26.5	79.5

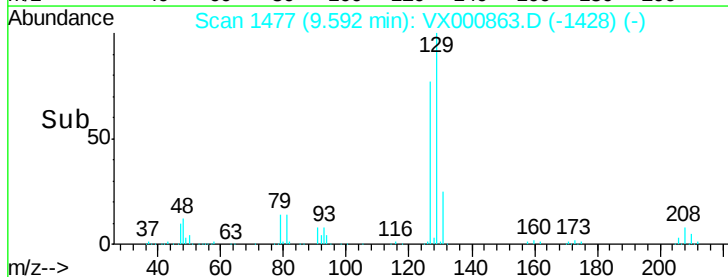
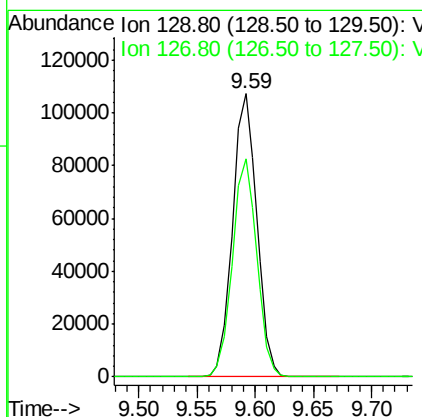
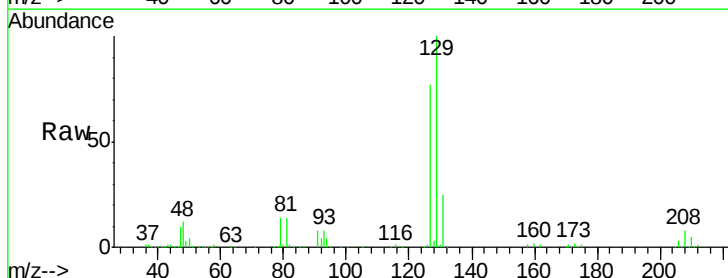
Manual Integrations
APPROVED

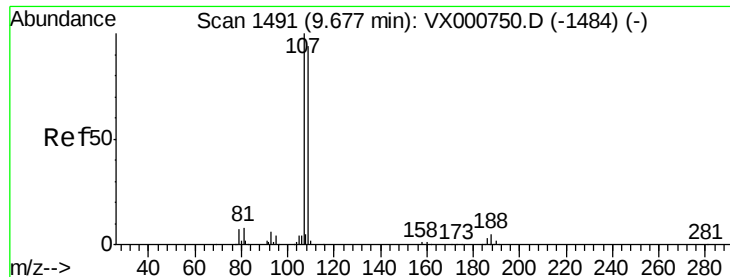
MMDadoda
4/16/2018 1:00:00 PM



#60
Dibromochloromethane
Concen: 47.80 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX000863.D
Acq: 13 Apr 2018 21:09

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.4	115.1





#61

1,2-Dibromoethane

Concen: 51.19 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. 0.01 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 148329

Ion Ratio Lower Upper

107 100

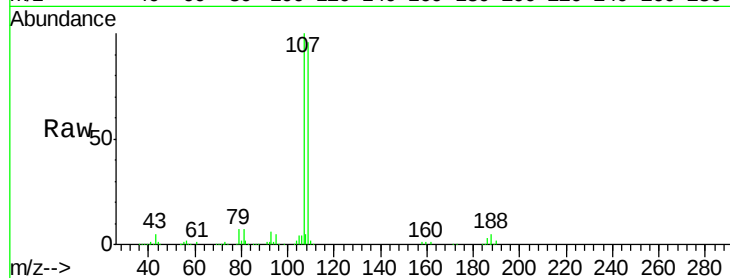
109 94.8 76.2 114.4

Manual Integrations

APPROVED

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4/16/2018 1:00:00 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

120000

100000

80000

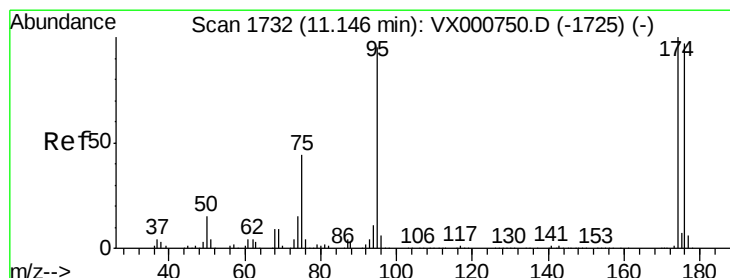
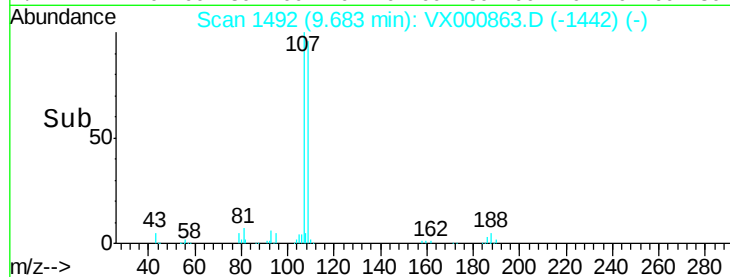
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.29 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

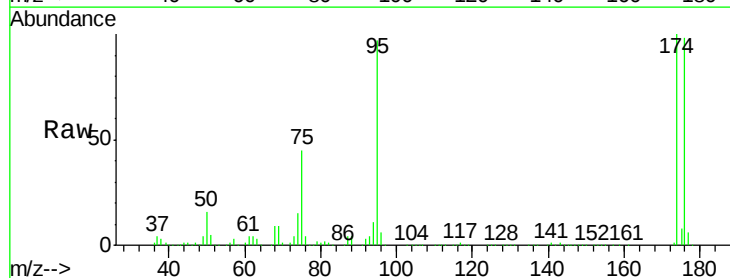
Tgt Ion: 95 Resp: 190200

Ion Ratio Lower Upper

95 100

174 99.4 0.0 198.4

176 96.3 0.0 194.4



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

200000

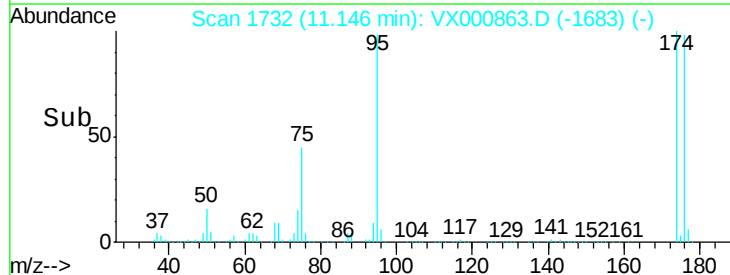
150000

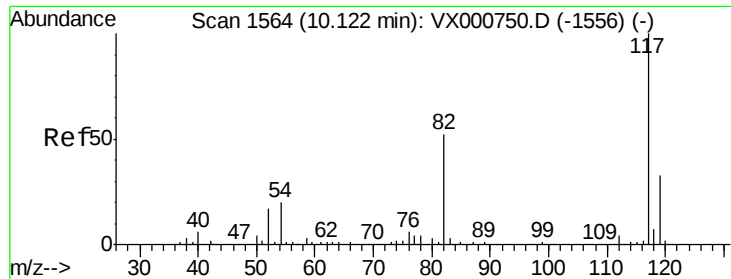
100000

50000

0

Time-->





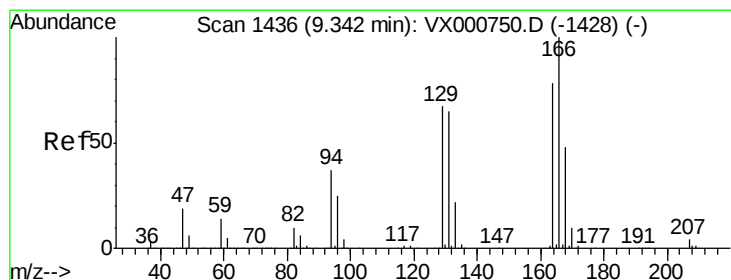
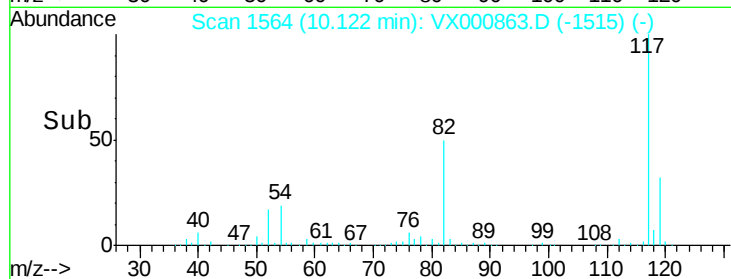
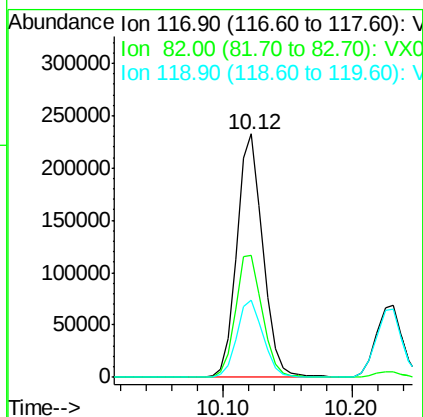
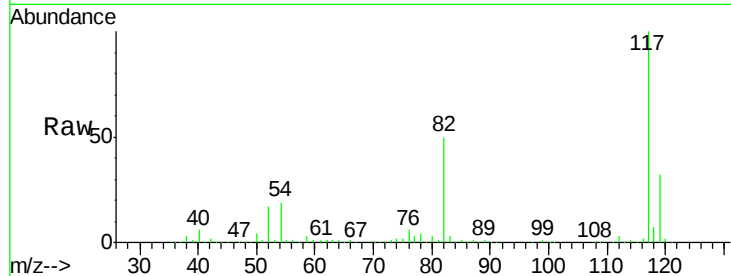
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000863.D
Acq: 13 Apr 2018 21:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.0	41.9	62.9
119	31.7	26.0	39.0

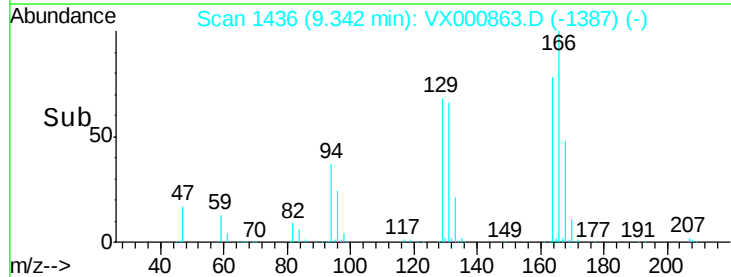
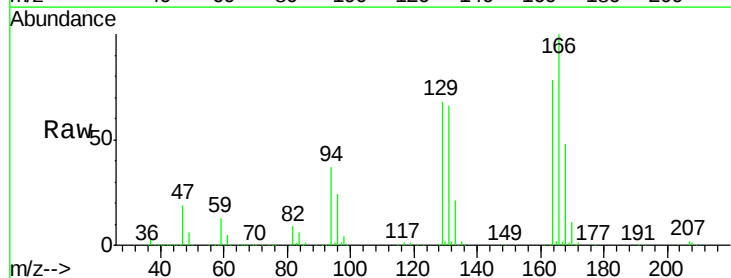
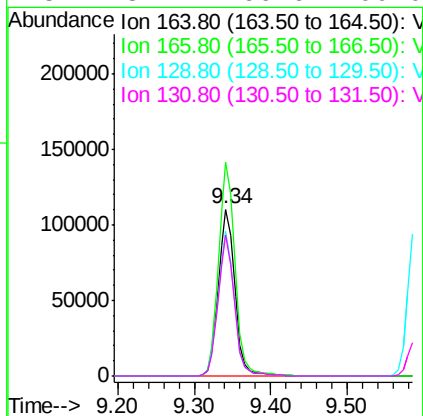
Manual Integrations
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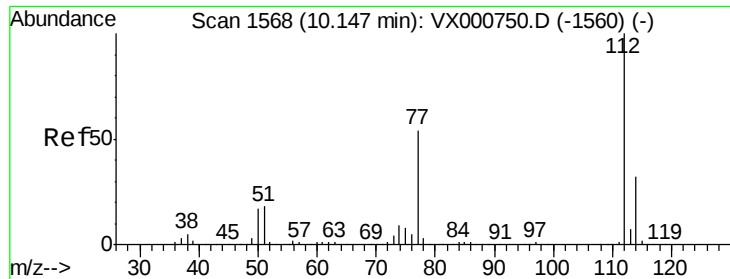
MMDadoda
4/16/2018 1:00:00 PM



#64
Tetrachloroethene
Concen: 51.72 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000863.D
Acq: 13 Apr 2018 21:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	102.8	154.2
129	87.0	68.5	102.7
131	84.7	66.6	100.0





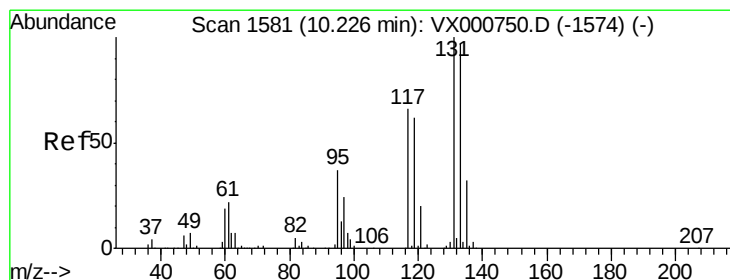
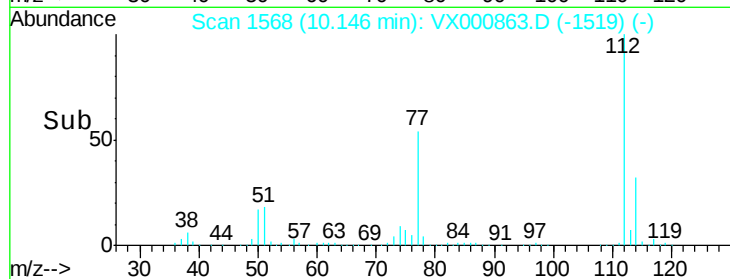
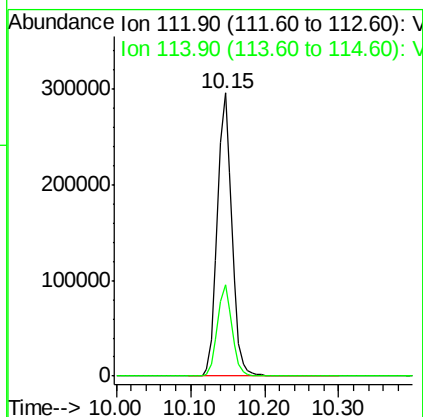
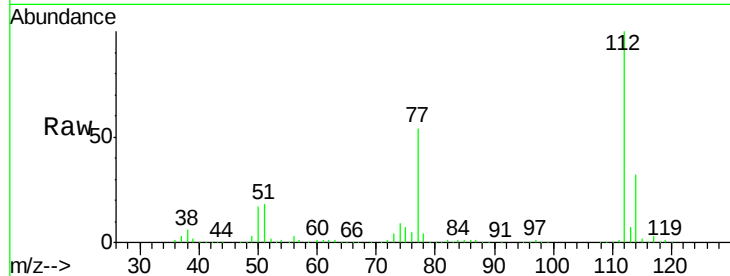
#65
Chlorobenzene
Concen: 48.41 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000863.D
Acq: 13 Apr 2018 21:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 397227
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.8

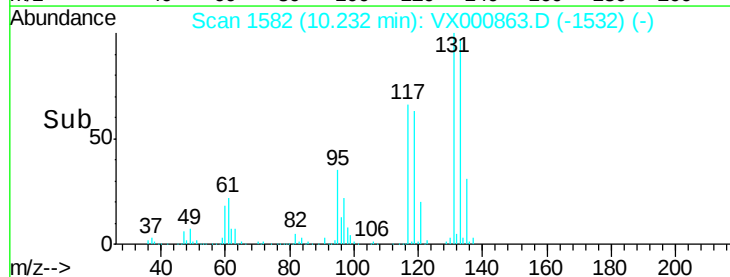
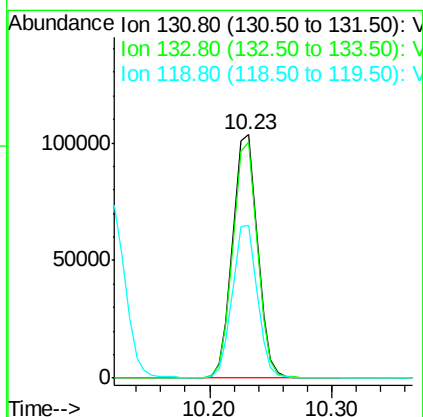
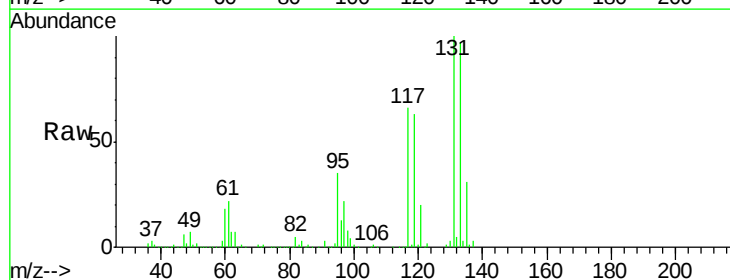
Manual Integrations
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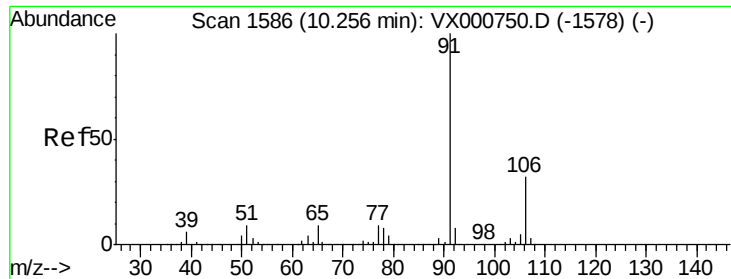
MMDadoda
4/16/2018 1:00:00 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.22 ug/l
RT: 10.23 min Scan# 1582
Delta R.T. 0.01 min
Lab File: VX000863.D
Acq: 13 Apr 2018 21:09

Tgt Ion:131 Resp: 145833
Ion Ratio Lower Upper
131 100
133 95.8 48.3 144.9
119 62.7 31.4 94.0





#67

Ethyl Benzene

Concen: 47.73 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 652939

Ion Ratio Lower Upper

91 100

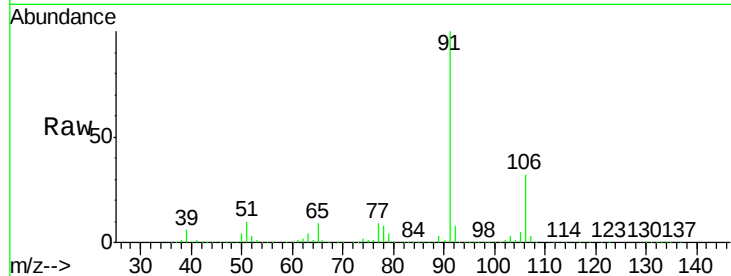
106 31.5 25.4 38.0

Manual Integrations

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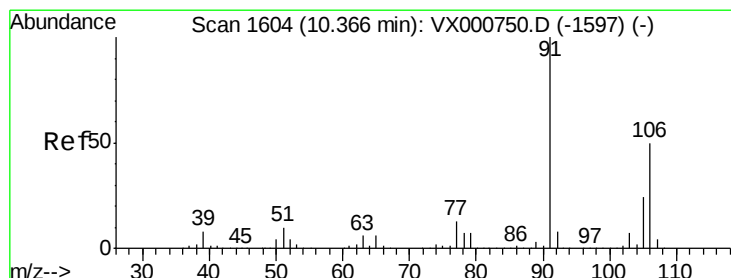
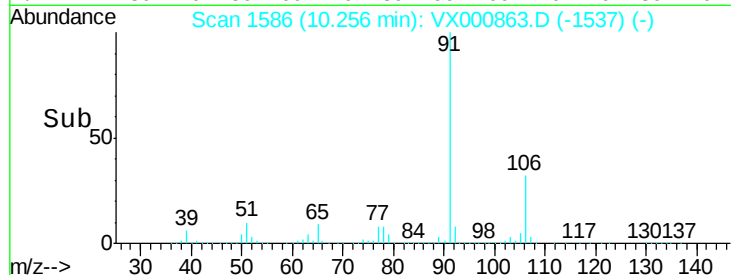
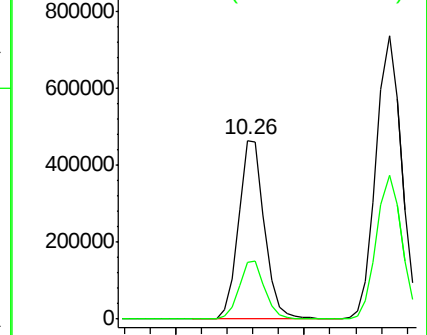
MMDadoda

4/16/2018 1:00:00 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 95.26 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX000863.D

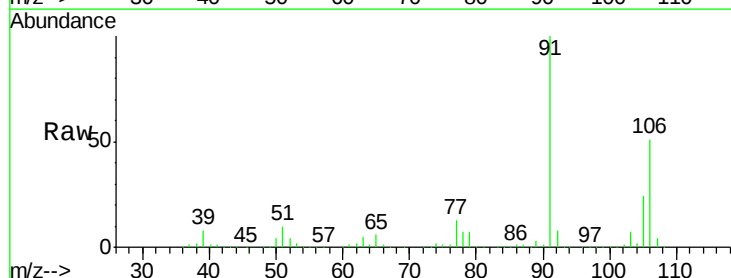
Acq: 13 Apr 2018 21:09

Tgt Ion: 106 Resp: 514332

Ion Ratio Lower Upper

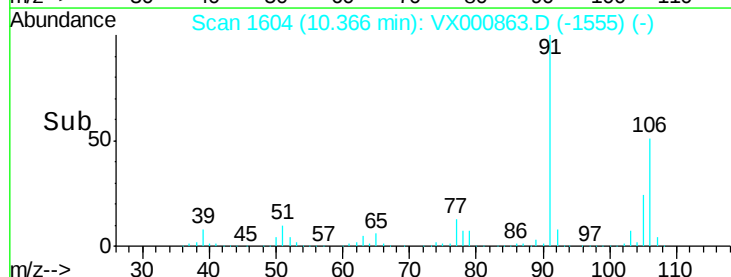
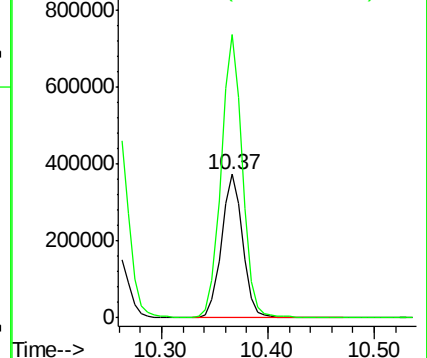
106 100

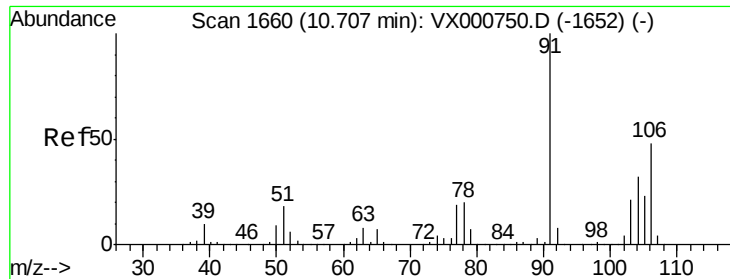
91 197.8 159.3 238.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





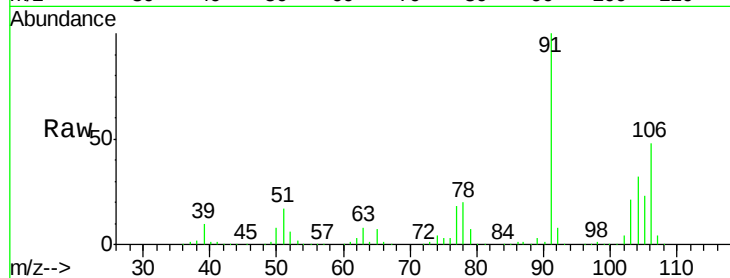
#69
o-Xylene
Concen: 48.16 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000863.D
Acq: 13 Apr 2018 21:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

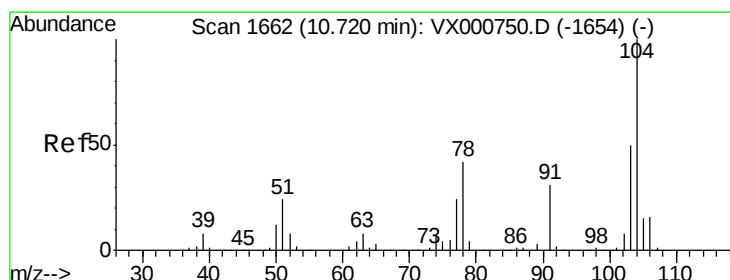
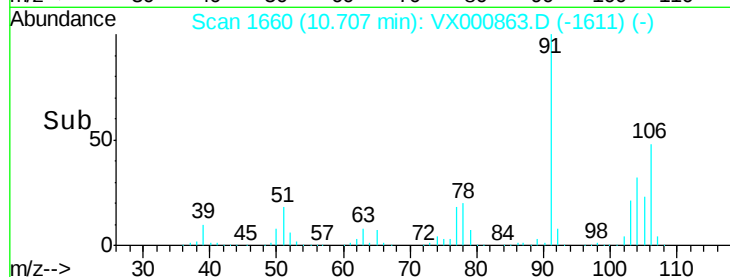
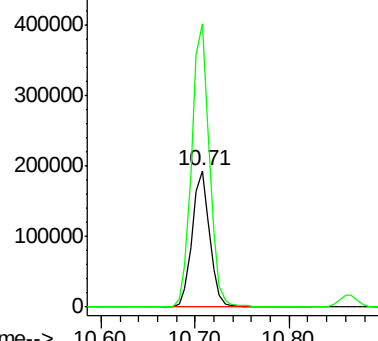
Tot Ion:106 Resp: 250601
Ion Ratio Lower Upper
106 100
91 210.6 105.0 315.0

Manual Integrations
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4/16/2018 1:00:00 PM

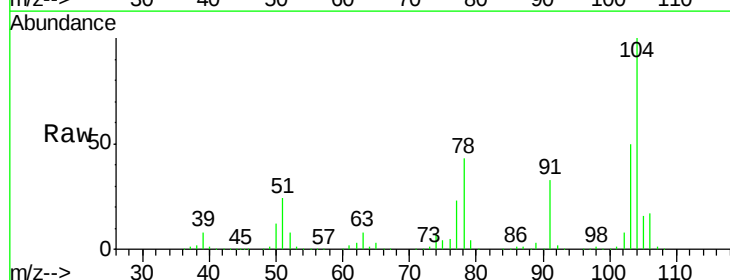


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

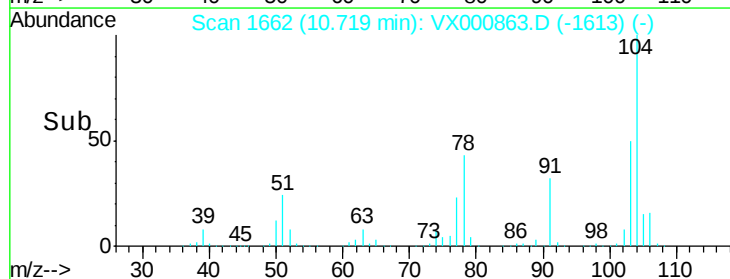
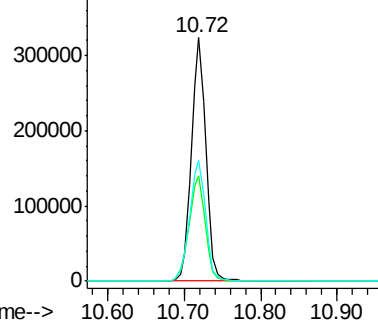


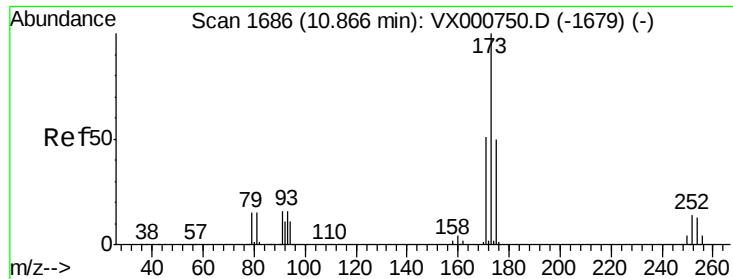
#70
Styrene
Concen: 48.42 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000863.D
Acq: 13 Apr 2018 21:09

Tgt Ion:104 Resp: 424832
Ion Ratio Lower Upper
104 100
78 48.4 39.0 58.6
103 54.7 44.1 66.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





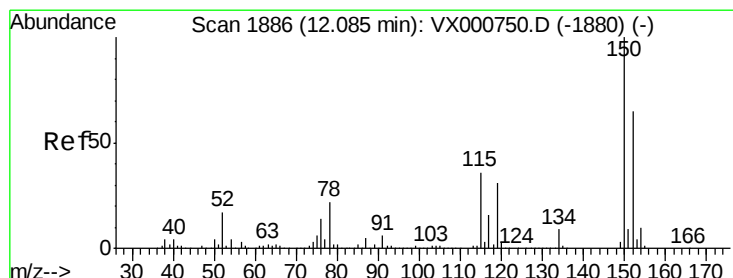
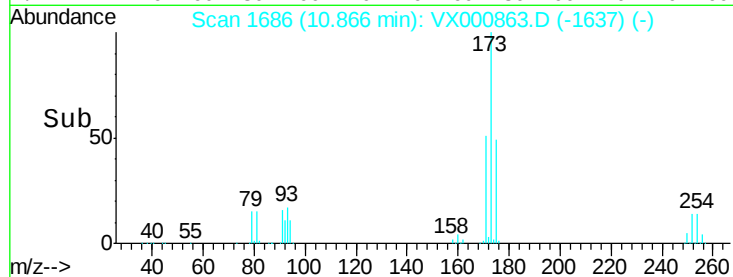
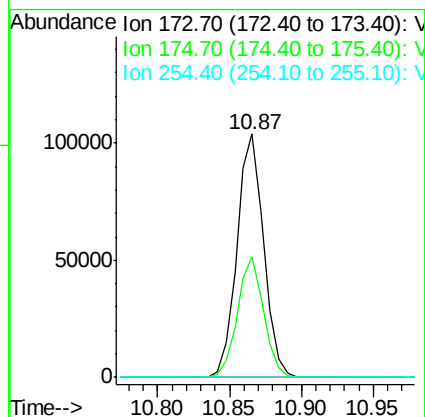
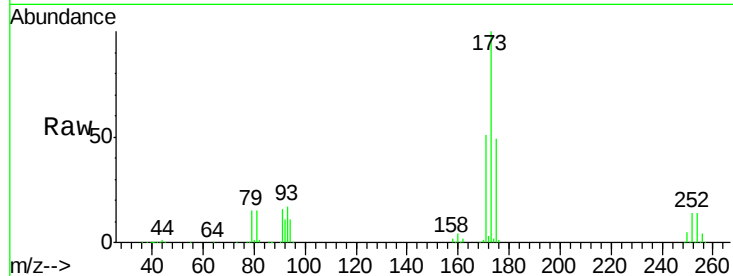
#71
Bromoform
Concen: 46.80 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VX000863.D
Acq: 13 Apr 2018 21:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.5	73.5
254	0.2	0.2	0.2

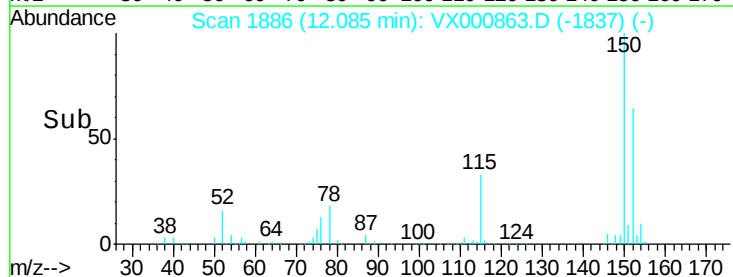
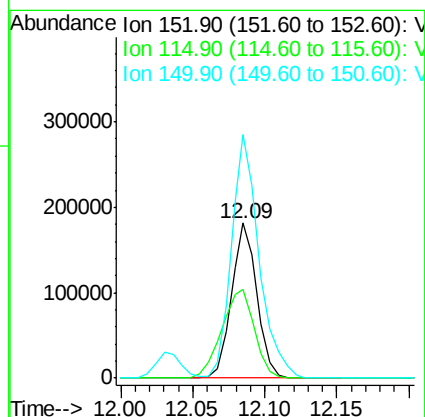
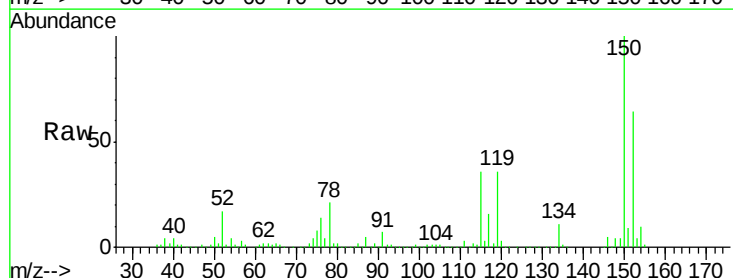
Manual Integrations
APPROVED

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4/16/2018 1:00:00 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000863.D
Acq: 13 Apr 2018 21:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	73.4	37.9	113.7
150	171.6	0.0	348.0





#73

Isopropylbenzene

Concen: 47.57 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 674200

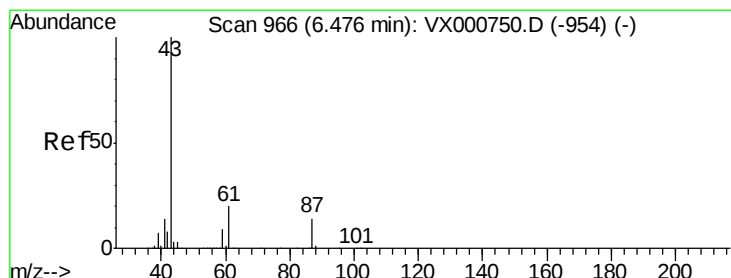
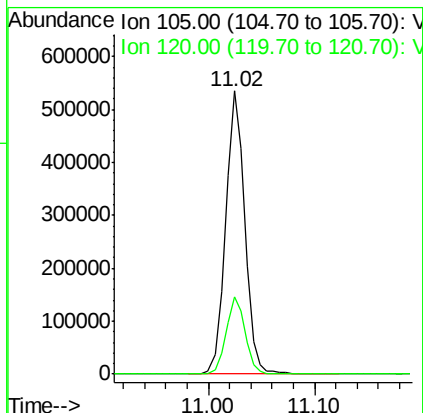
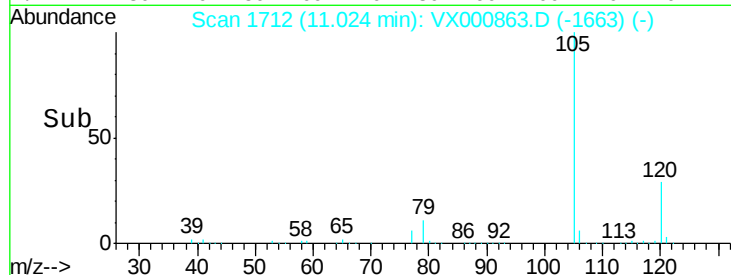
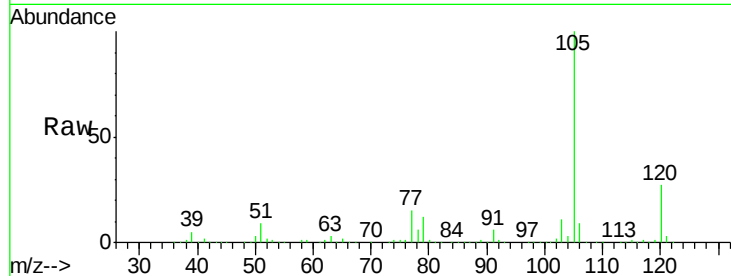
Ion Ratio Lower Upper

105 100

120 27.3 13.7 41.0

Manual Integrations
APPROVED

MMDadoda
4/16/2018 1:00:00 PM



#74

N-ethyl acetate

Concen: 49.99 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

Tgt Ion: 43 Resp: 319044

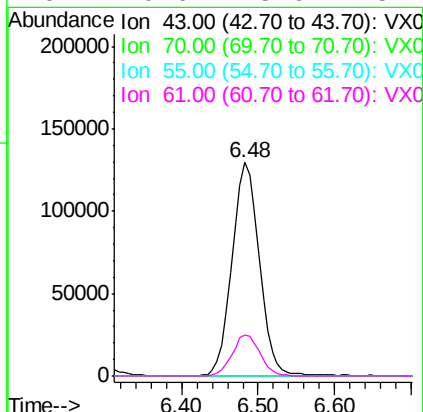
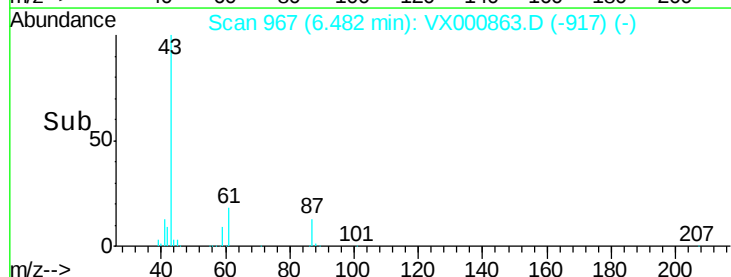
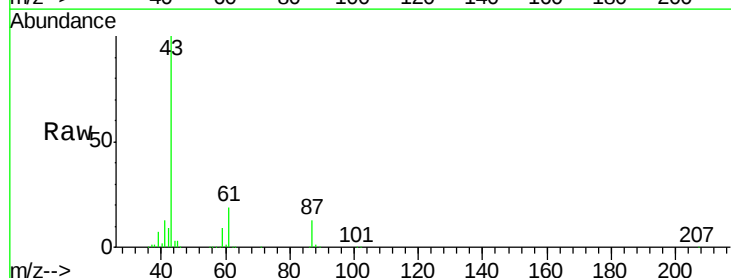
Ion Ratio Lower Upper

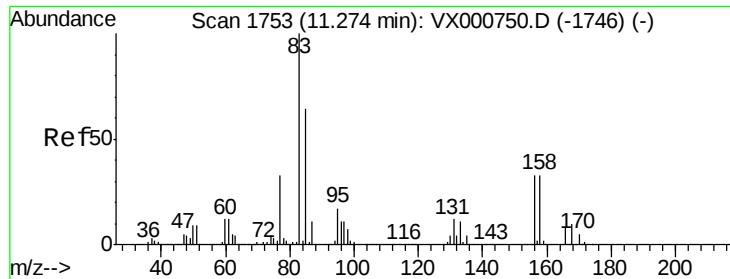
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 19.6 15.6 23.4





#75

1,1,2,2-Tetrachloroethane

Concen: 50.64 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

Instrument :

MSVOA_X

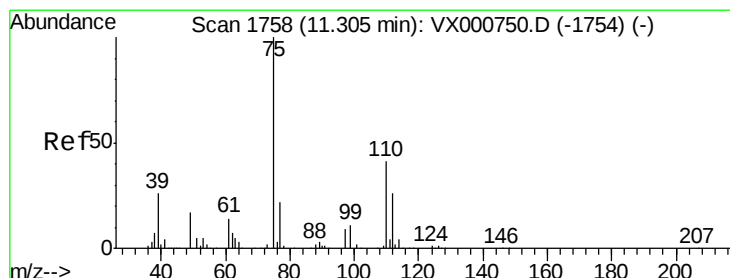
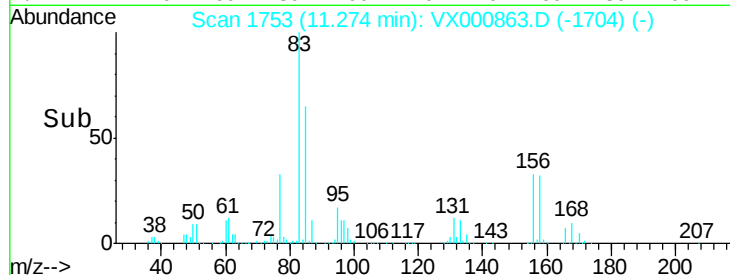
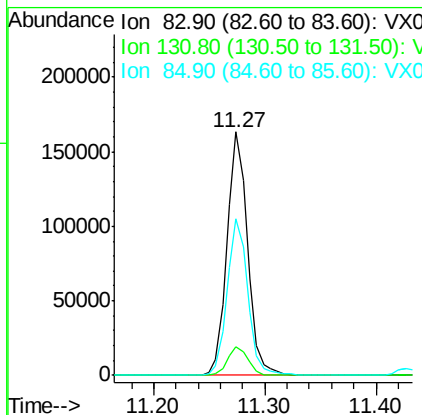
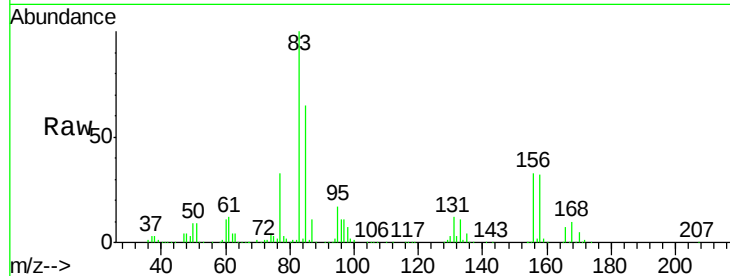
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	208294
Ion Ratio	Lower	Upper	
83	100		
131	11.7	6.0	18.0
85	64.6	32.3	96.8

Manual Integrations
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4/16/2018 1:00:00 PM



#76

1,2,3-Trichloropropane

Concen: 50.44 ug/l m

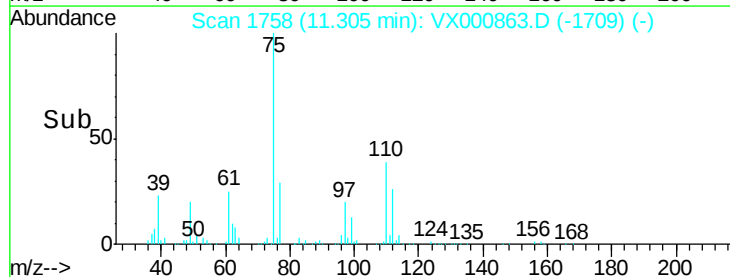
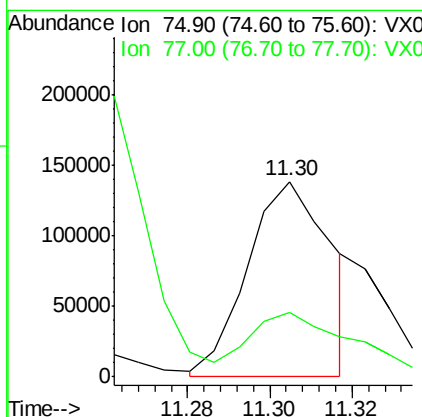
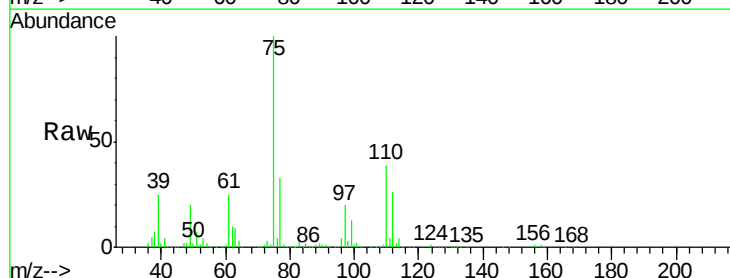
RT: 11.30 min Scan# 1758

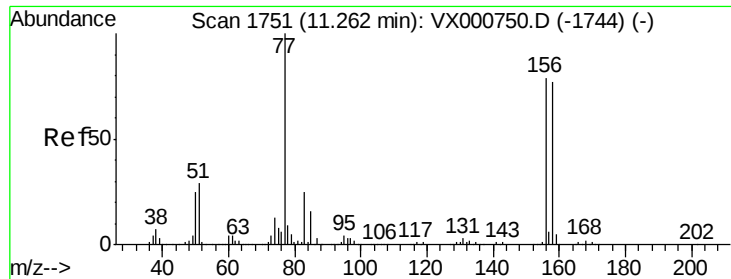
Delta R.T. -0.00 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

Tgt Ion:	75	Resp:	194333
Ion Ratio	Lower	Upper	
75	100		
77	41.1	20.5	61.5





#77

Bromobenzene

Concen: 47.78 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

Instrument :

MSVOA_X

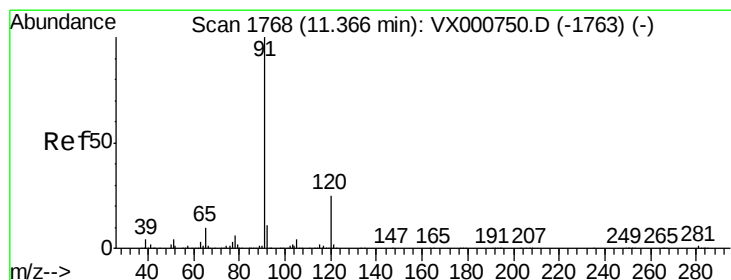
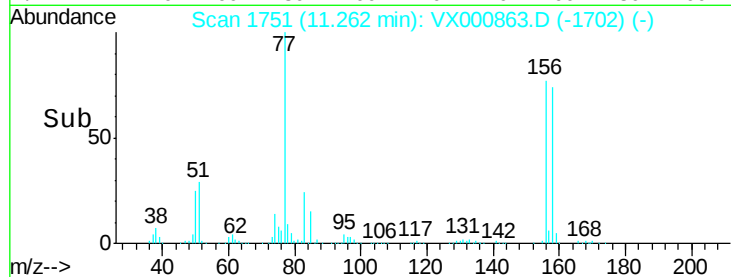
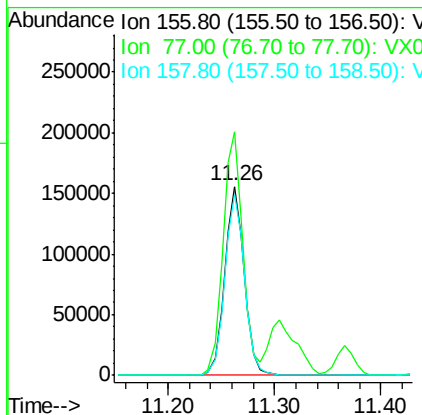
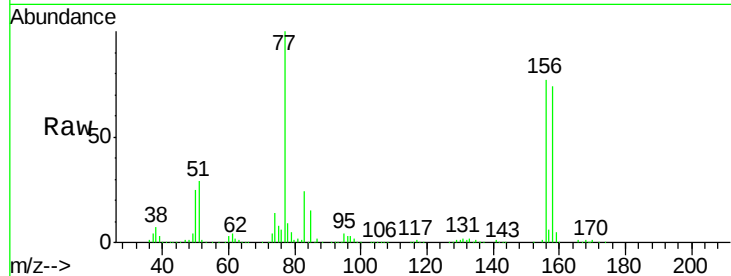
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	198459
Ion Ratio	Lower	Upper	
156	100		
77	131.4	66.0	198.2
158	97.4	48.8	146.4

Manual Integrations
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#78

n-propylbenzene

Concen: 46.85 ug/l

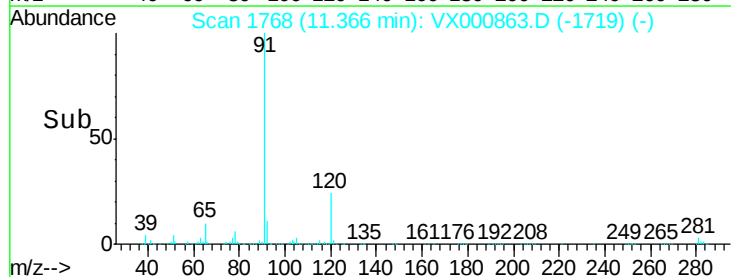
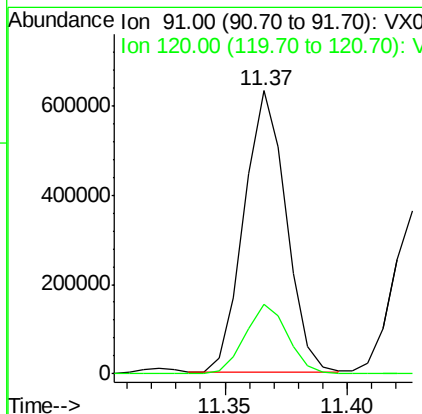
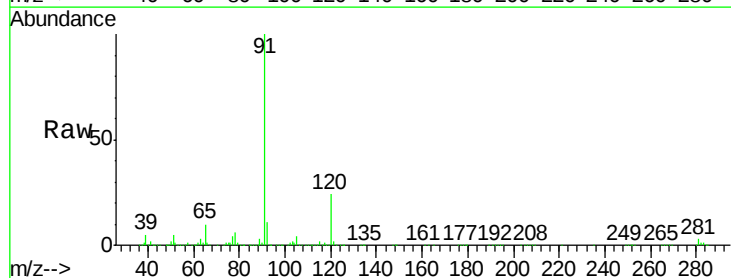
RT: 11.37 min Scan# 1768

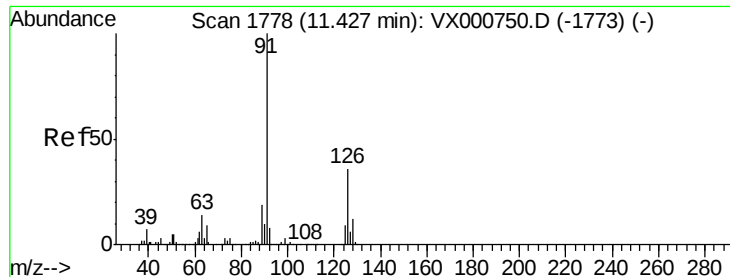
Delta R.T. -0.00 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

Tgt Ion:	91	Resp:	759466
Ion Ratio	Lower	Upper	
91	100		
120	25.1	12.6	37.6





#79

2-Chlorotoluene

Concen: 46.92 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 449592

Ion Ratio Lower Upper

91 100

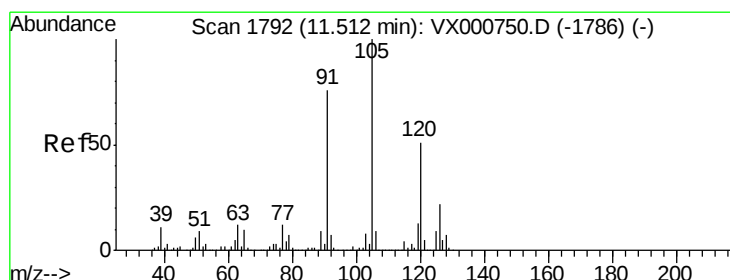
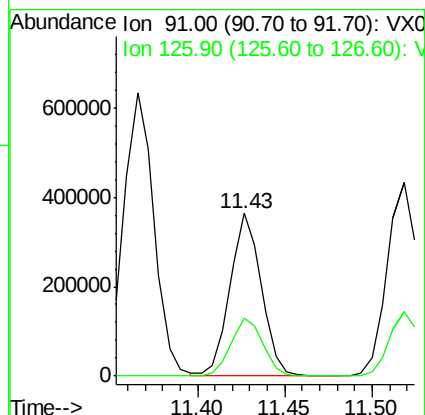
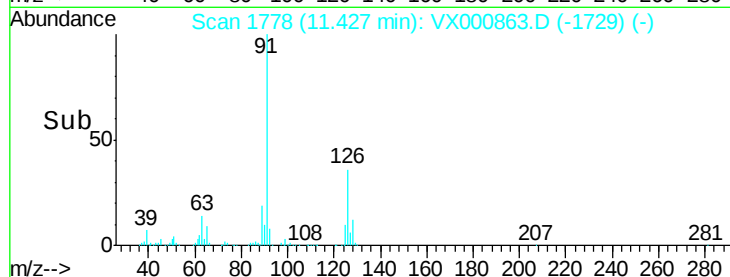
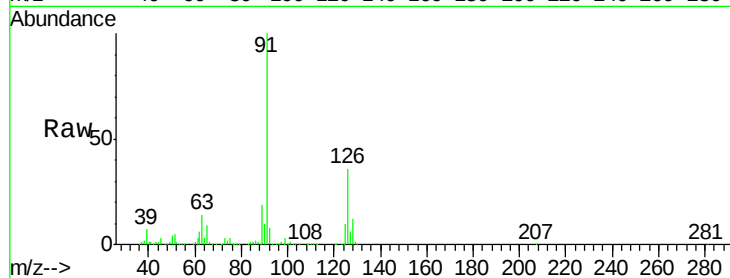
126 36.7 18.3 54.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 47.12 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000863.D

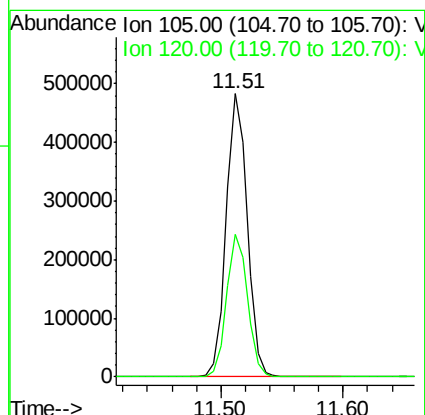
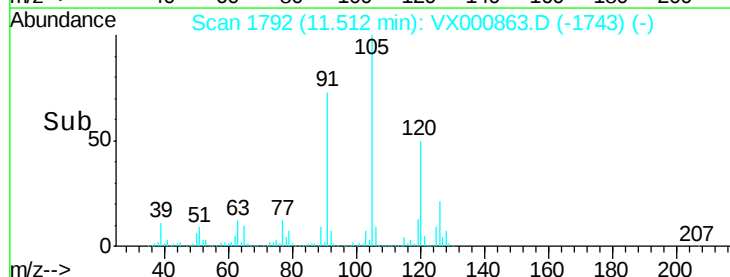
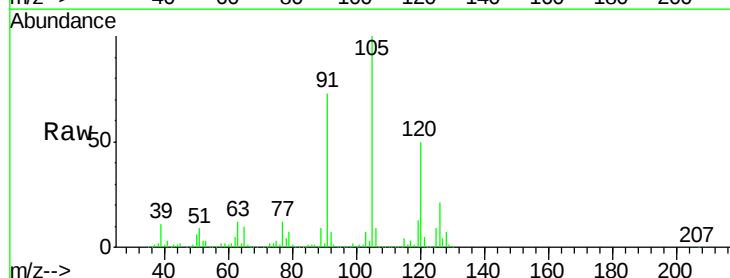
Acq: 13 Apr 2018 21:09

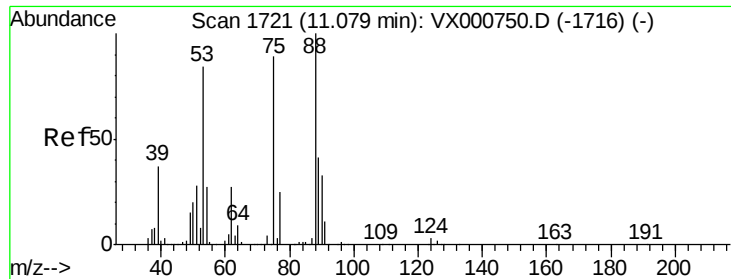
Tgt Ion: 105 Resp: 574305

Ion Ratio Lower Upper

105 100

120 50.2 25.0 75.0





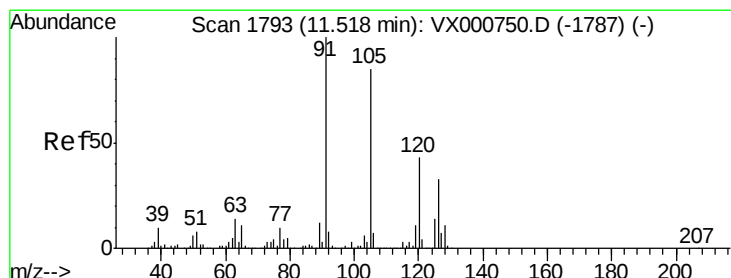
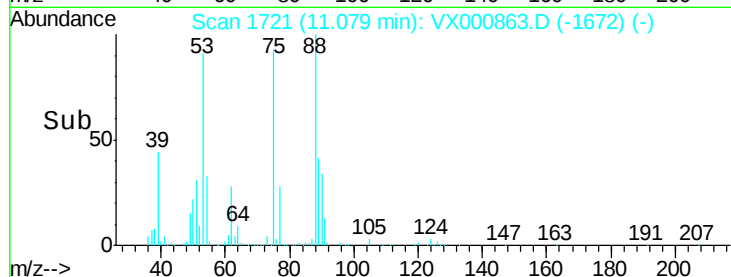
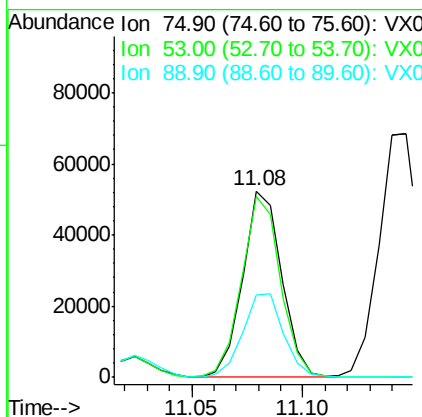
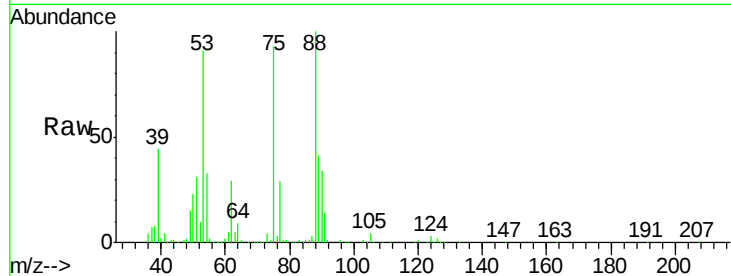
#81
trans-1,4-Dichloro-2-butene
Concen: 45.41 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX000863.D
Acq: 13 Apr 2018 21:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.2	75.4	113.0
89	47.5	40.9	61.3

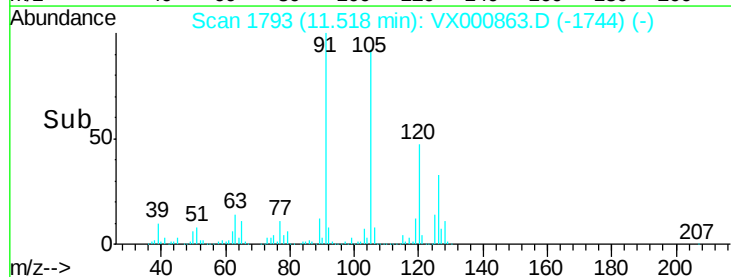
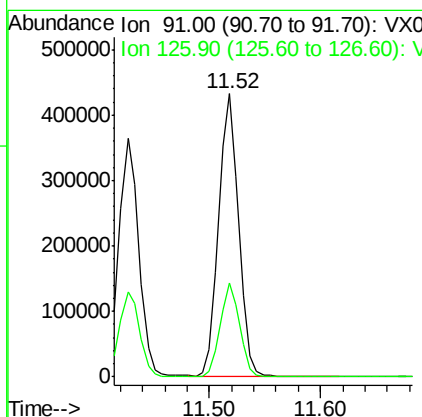
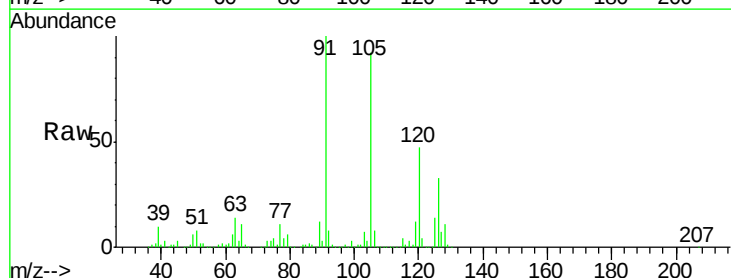
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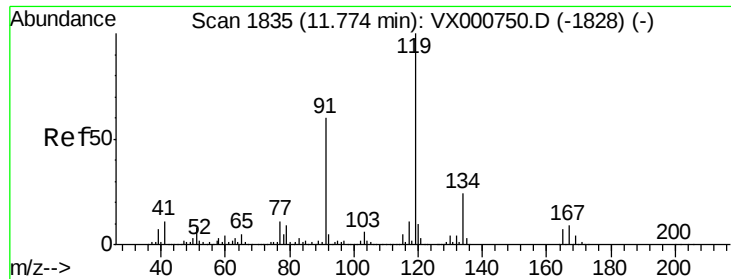
MMDadoda
4/16/2018 1:00:00 PM



#82
4-Chlorotoluene
Concen: 46.51 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX000863.D
Acq: 13 Apr 2018 21:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.2	48.6





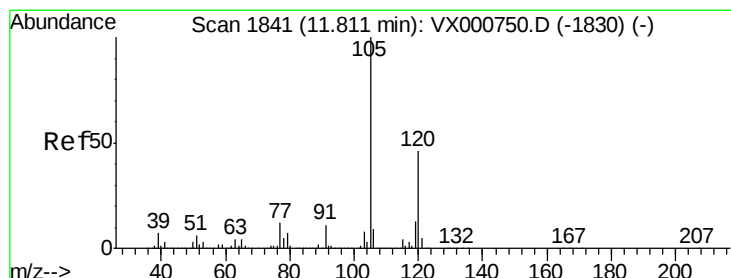
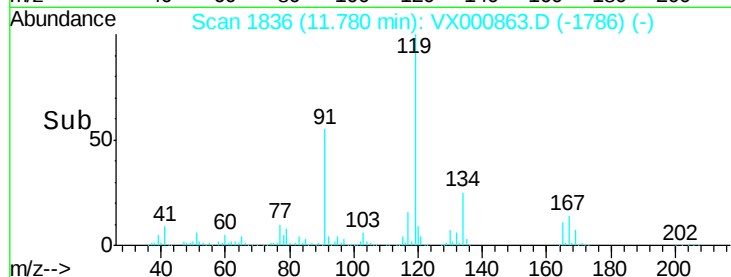
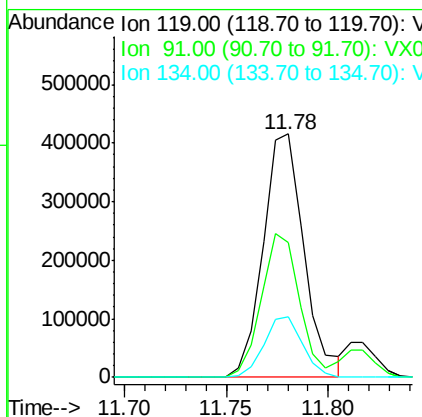
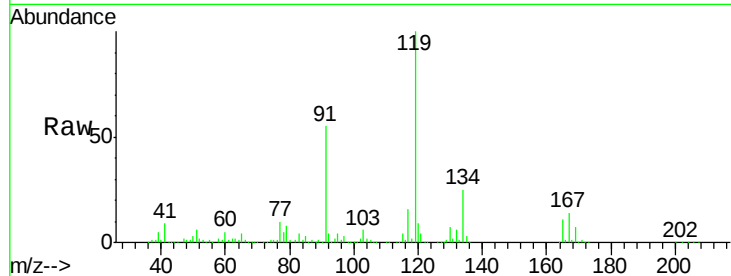
#83
tert-Butylbenzene
Concen: 46.58 ug/l
RT: 11.78 min Scan# 1836
Delta R.T. 0.01 min
Lab File: VX000863.D
Acq: 13 Apr 2018 21:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.0	26.8	80.3
134	23.6	11.5	34.4

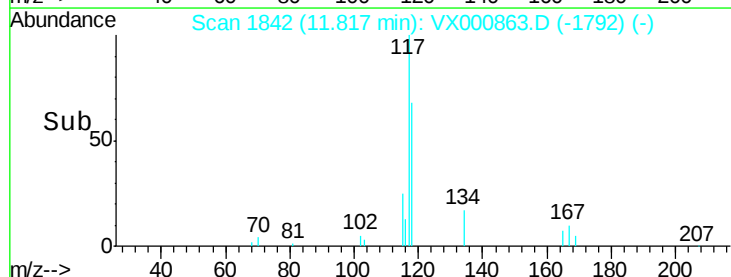
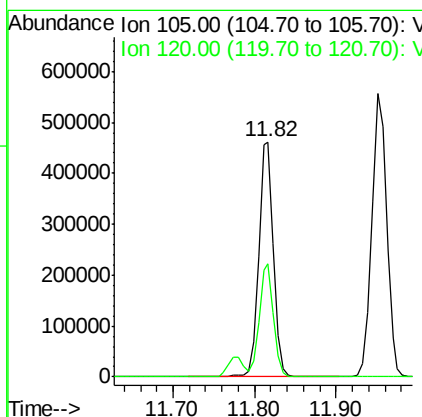
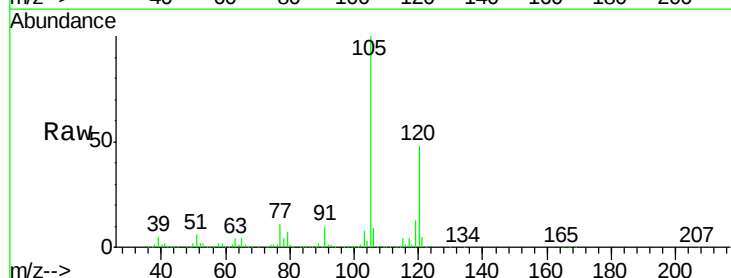
Manual Integrations
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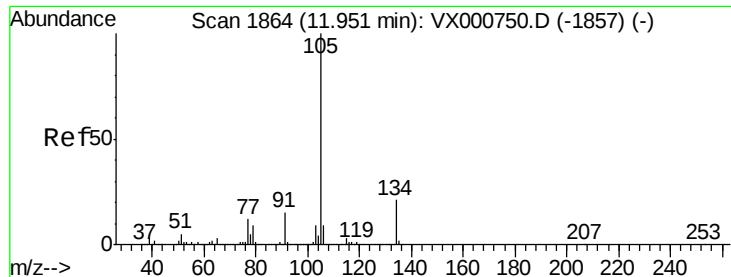
MMDadoda
4/16/2018 1:00:00 PM



#84
1,2,4-Trimethylbenzene
Concen: 46.93 ug/l
RT: 11.82 min Scan# 1842
Delta R.T. 0.01 min
Lab File: VX000863.D
Acq: 13 Apr 2018 21:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.1	69.3





#85

sec-Butylbenzene

Concen: 47.12 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 693151

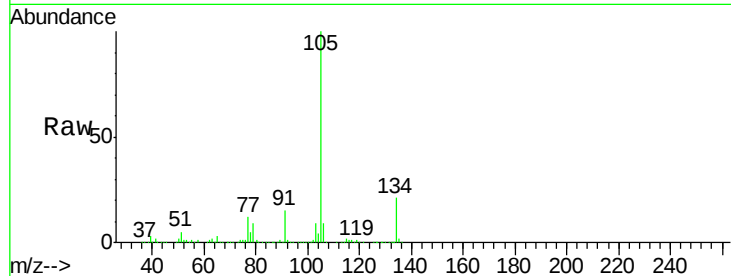
Ion Ratio Lower Upper

105 100

134 21.5 10.8 32.4

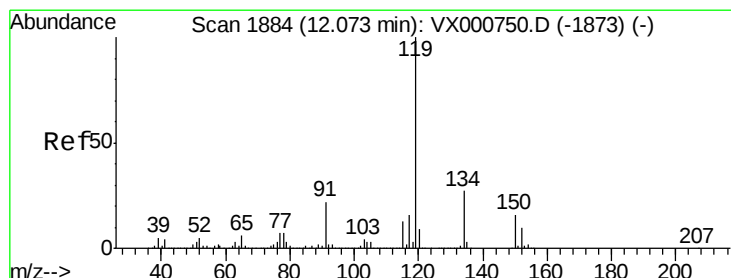
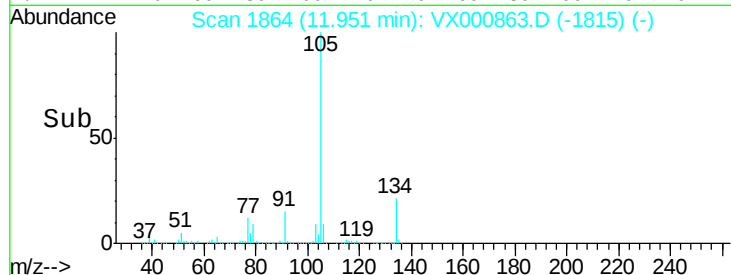
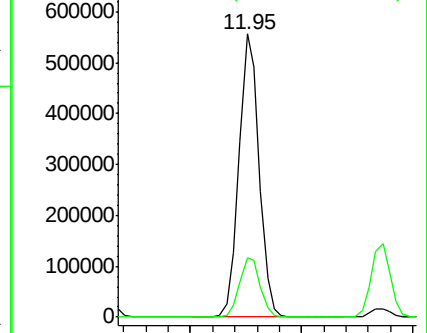
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.97 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

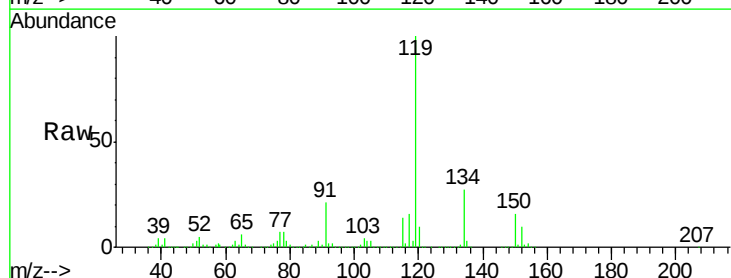
Tgt Ion:119 Resp: 644307

Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.7

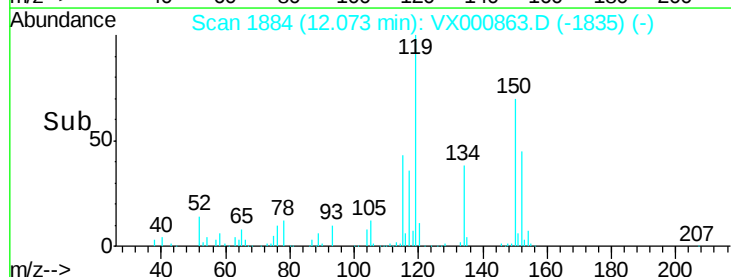
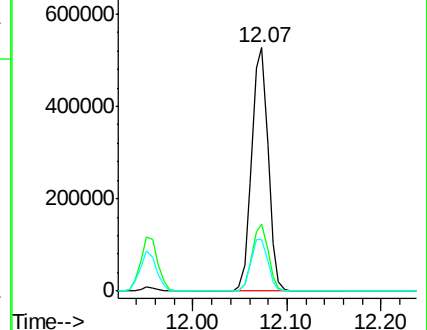
91 22.1 11.2 33.5

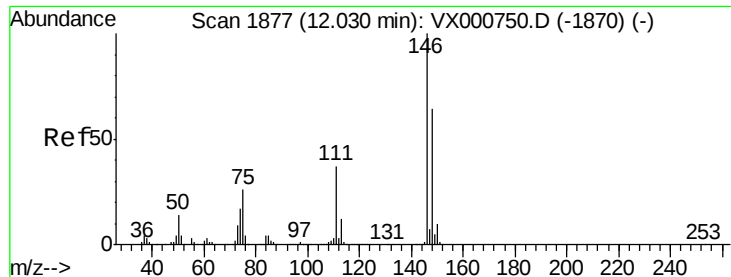


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 47.10 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

Instrument :

MSVOA_X

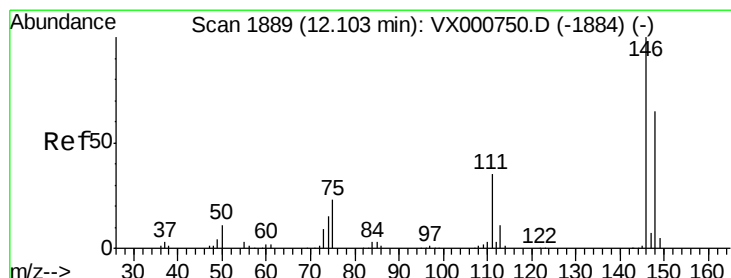
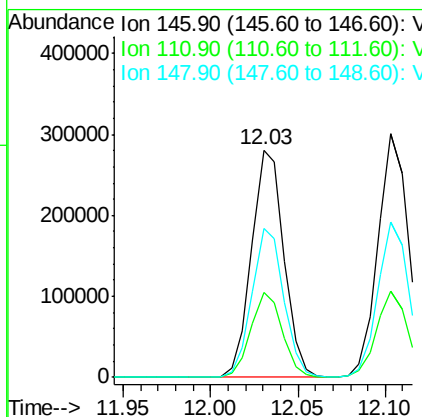
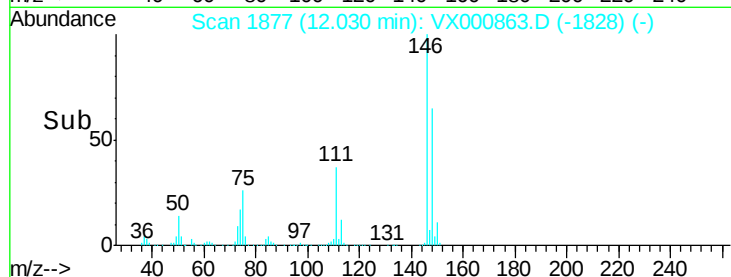
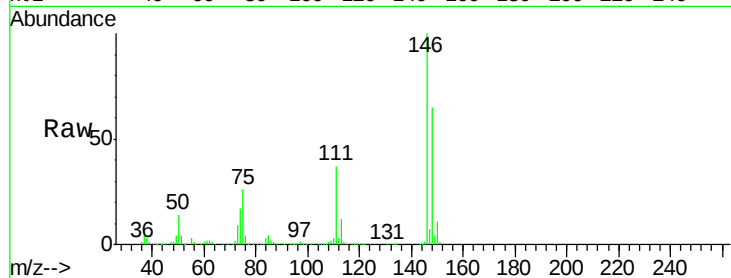
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	362071
Ion Ratio	Lower	Upper	
146	100		
111	36.3	18.3	54.8
148	64.5	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 46.50 ug/l

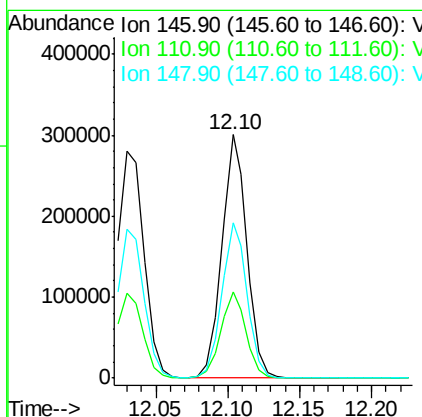
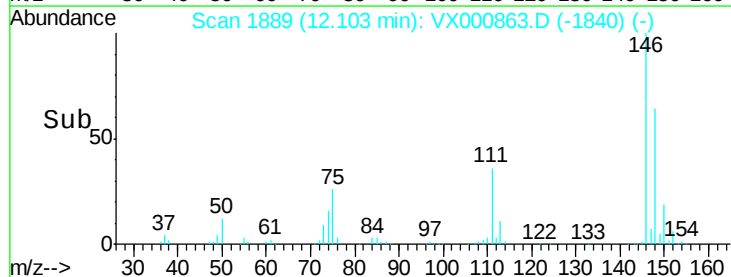
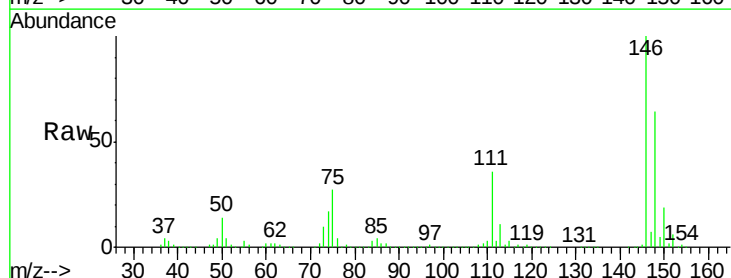
RT: 12.10 min Scan# 1889

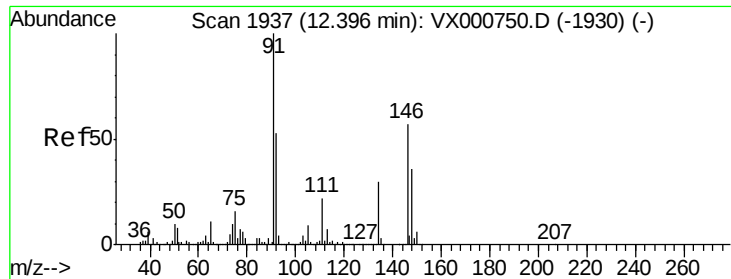
Delta R.T. -0.00 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

Tgt Ion:	146	Resp:	366362
Ion Ratio	Lower	Upper	
146	100		
111	35.7	17.9	53.8
148	64.6	32.6	97.7





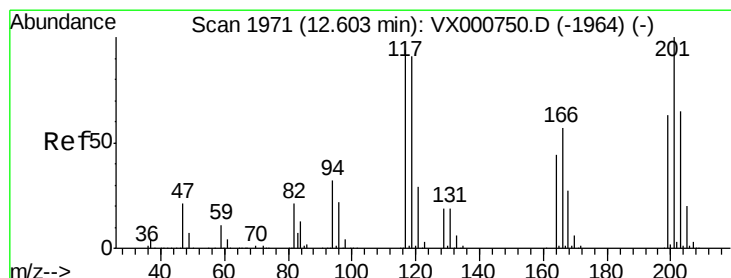
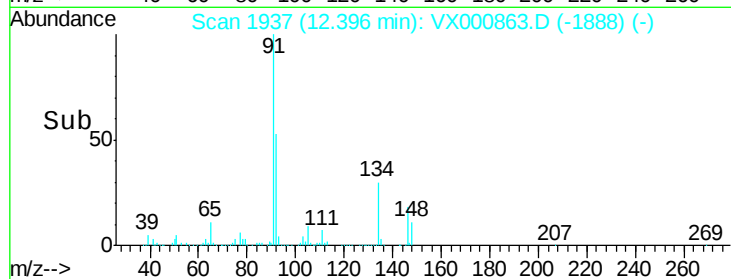
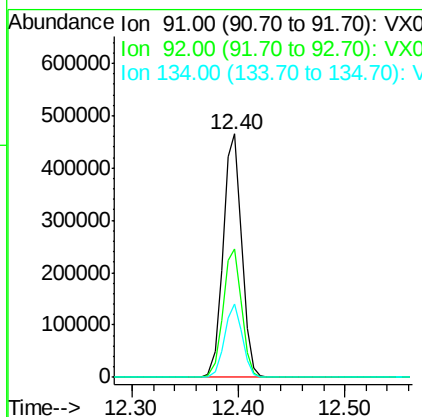
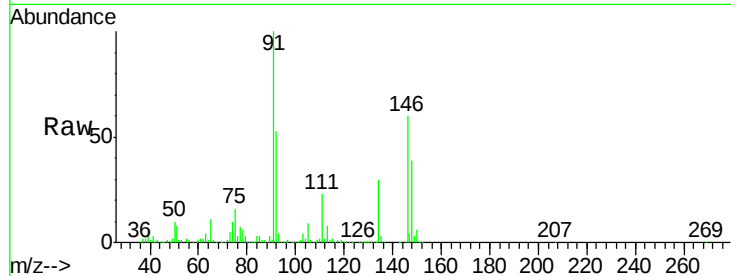
#89
n-Butylbenzene
Concen: 46.64 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000863.D
Acq: 13 Apr 2018 21:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.5	79.5
134	29.0	14.5	43.5

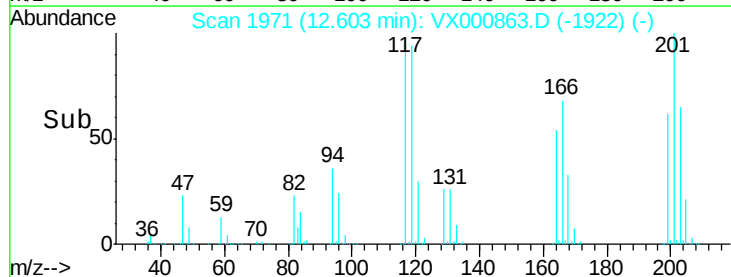
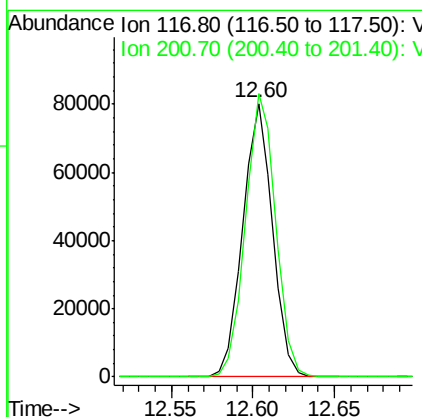
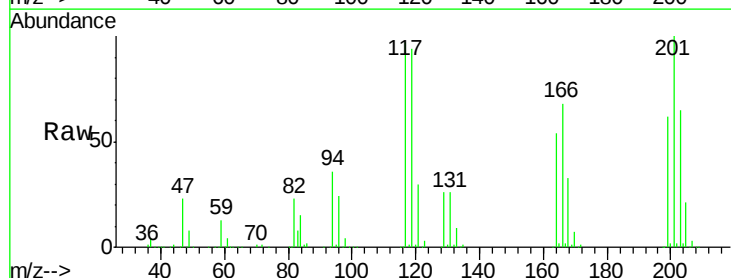
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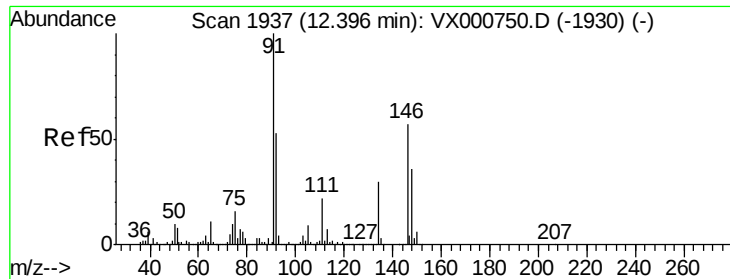
MMDadoda
4/16/2018 1:00:00 PM



#90
Hexachloroethane
Concen: 43.68 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX000863.D
Acq: 13 Apr 2018 21:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	105.5	52.9	158.7





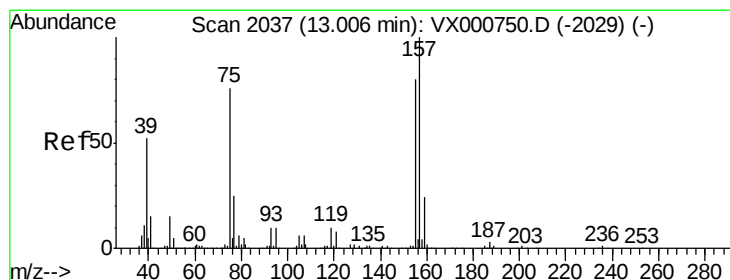
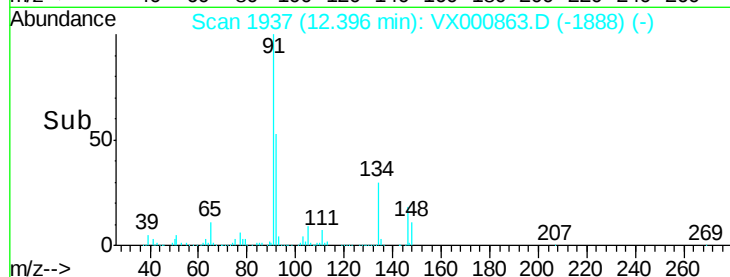
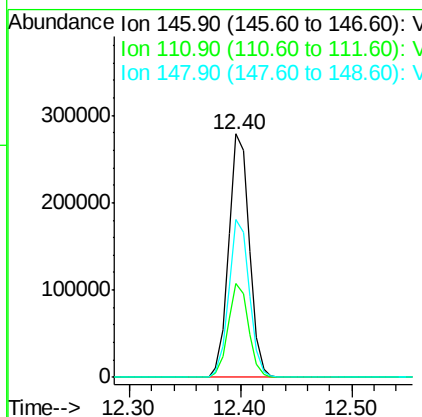
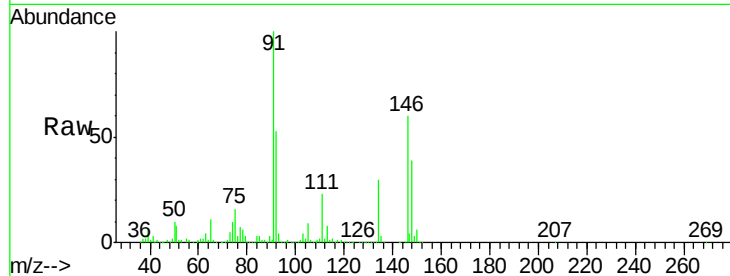
#91
 1,2-Dichlorobenzene
 Concen: 47.97 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX000863.D
 Acq: 13 Apr 2018 21:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.7
148	64.2	32.0	96.2

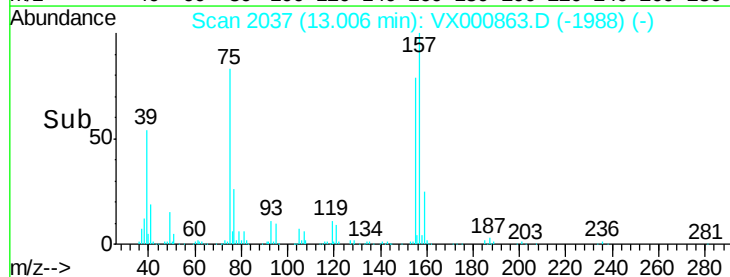
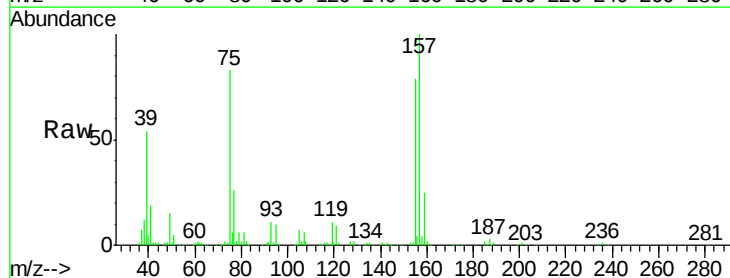
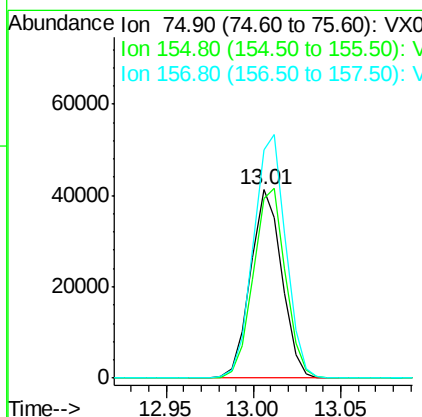
Manual Integrations
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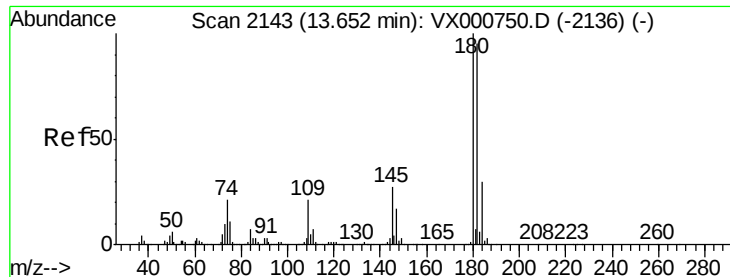
MMDadoda
 4/16/2018 1:00:00 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.77 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX000863.D
 Acq: 13 Apr 2018 21:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.6	51.9	155.8
157	133.4	66.6	199.8





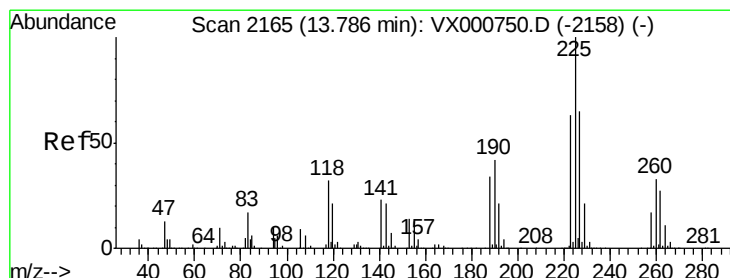
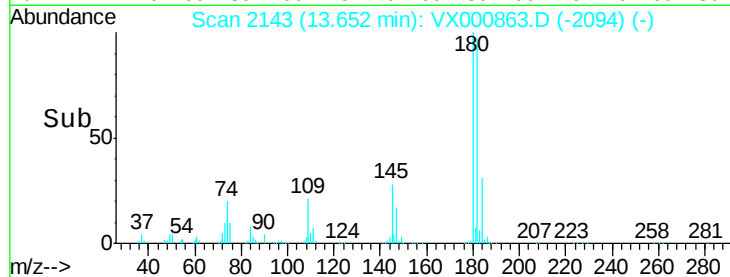
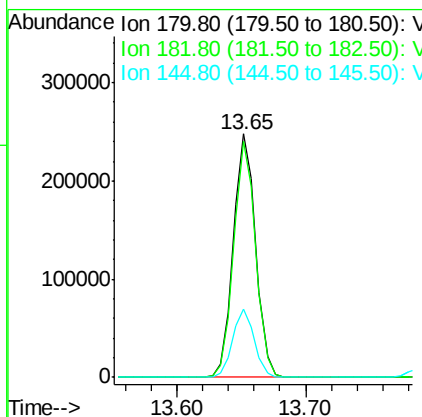
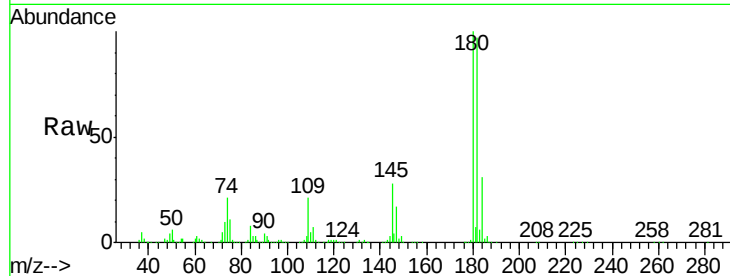
#93
 1,2,4-Trichlorobenzene
 Concen: 47.27 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000863.D
 Acq: 13 Apr 2018 21:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	299349		
182	95.6	47.5	142.5	
145	27.5	13.8	41.4	

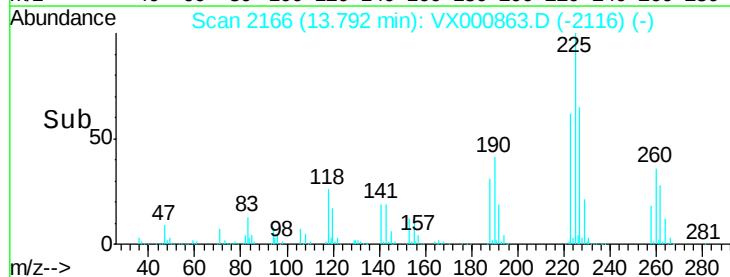
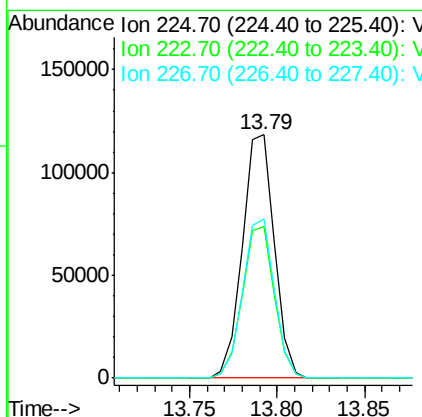
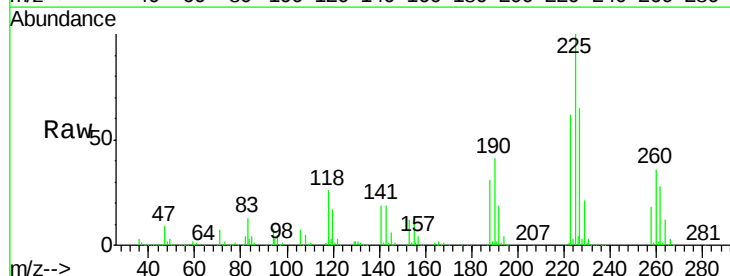
Manual Integrations
 APPROVED

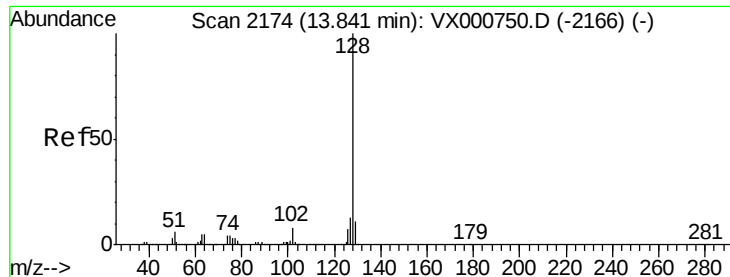
MMDadoda
 4/16/2018 1:00:00 PM



#94
 Hexachlorobutadiene
 Concen: 48.27 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. 0.01 min
 Lab File: VX000863.D
 Acq: 13 Apr 2018 21:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	150322		
223	62.2	31.2	93.6	
227	64.7	32.3	96.9	





#95

Naphthalene

Concen: 51.42 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

Instrument :

MSVOA_X

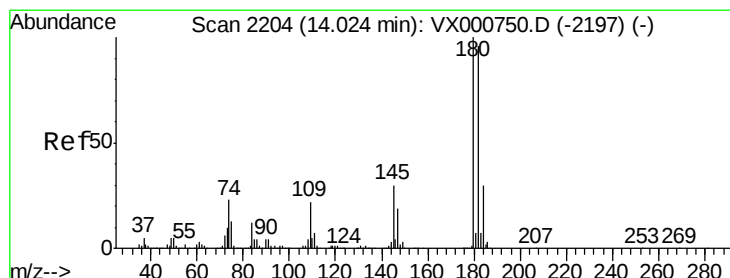
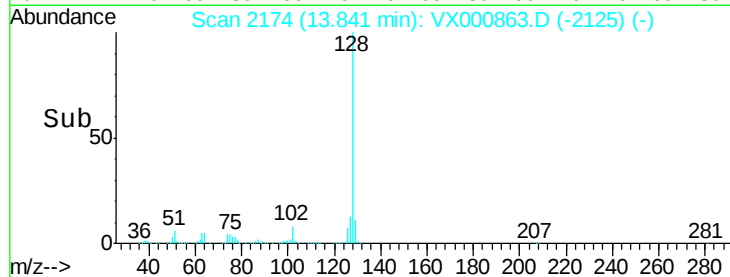
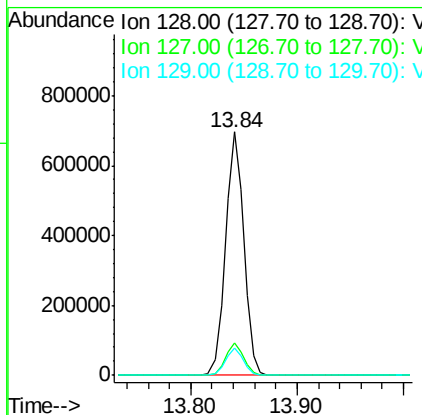
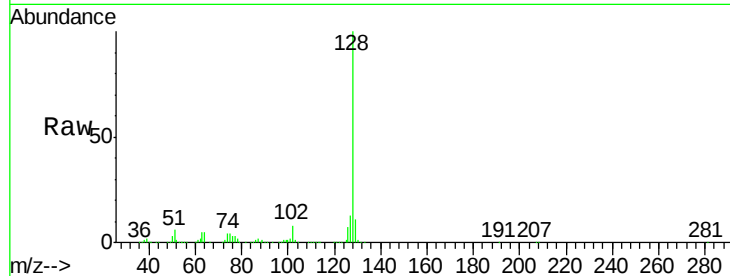
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	835943
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/16/2018 1:00:00 PM



#96

1,2,3-Trichlorobenzene

Concen: 48.02 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. 0.01 min

Lab File: VX000863.D

Acq: 13 Apr 2018 21:09

Tgt Ion:	180	Resp:	295355
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.4	145.2
145	29.2	14.6	43.8

