

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080518\
 Data File : VX003855.D
 Acq On : 03 Aug 2018 18:14
 Operator : JC/MD
 Sample : VX0805WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0805WBS01

Manual Integrations
 APPROVED

MMDadoda

8/6/2018 10:47:39 AM

Quant Time: Aug 03 19:07:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080318W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 03 01:55:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	96610	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	132691	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	119356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	72169	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	57498	45.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.26%	
35) Dibromofluoromethane	5.51	113	52862	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
50) Toluene-d8	8.72	98	192976	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
62) 4-Bromofluorobenzene	11.14	95	68153	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	18884	20.70	ug/l	100
3) Chloromethane	1.32	50	23192	15.95	ug/l	97
4) Vinyl Chloride	1.40	62	21321	17.56	ug/l	99
5) Bromomethane	1.64	94	9738	16.25	ug/l	98
6) Chloroethane	1.72	64	9202	12.39	ug/l	95
7) Trichlorofluoromethane	1.93	101	23434	15.29	ug/l	99
8) Diethyl Ether	2.19	74	11553	16.78	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	18836	19.62	ug/l	98
10) Methyl Iodide	2.51	142	23805	17.57	ug/l	99
11) Tert butyl alcohol	3.07	59	22965	83.23	ug/l	100
12) 1,1-Dichloroethene	2.37	96	17088	17.94	ug/l	100
13) Acrolein	2.29	56	15797	68.32	ug/l	99
14) Allyl chloride	2.73	41	29210	16.39	ug/l	99
15) Acrylonitrile	3.15	53	59496	90.61	ug/l	98
16) Acetone	2.45	43	52532	78.36	ug/l	100
17) Carbon Disulfide	2.57	76	45851	17.04	ug/l	100
18) Methyl Acetate	2.78	43	23979	15.12	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	60071	17.83	ug/l	# 90
20) Methylene Chloride	2.85	84	19528	16.56	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	18591	17.49	ug/l	90
22) Diisopropyl ether	3.88	45	61054	17.67	ug/l	98
23) Vinyl Acetate	3.83	43	263071	91.65	ug/l	99
24) 1,1-Dichloroethane	3.70	63	34396	17.81	ug/l	99
25) 2-Butanone	4.71	43	99160	87.06	ug/l	95
26) 2,2-Dichloropropane	4.58	77	24674	18.97	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	21157	17.34	ug/l	96
28) Bromochloromethane	5.03	49	18625	20.23	ug/l	98
29) Tetrahydrofuran	5.17	42	48360	83.05	ug/l	99
30) Chloroform	5.22	83	34675	17.19	ug/l	98
31) Cyclohexane	5.57	56	33019	20.39	ug/l	89
32) 1,1,1-Trichloroethane	5.49	97	31455	18.96	ug/l	99
36) 1,1-Dichloropropene	5.80	75	28269	20.02	ug/l	98
37) Ethyl Acetate	4.87	43	29734	17.99	ug/l	100
38) Carbon Tetrachloride	5.79	117	27328	19.50	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Fri Aug 03 01:55:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	29709	19.08	ug/l	97
40) Benzene	6.15	78	85408	19.33	ug/l	98
41) Methacrylonitrile	5.06	41	18030	20.16	ug/l	99
42) 1,2-Dichloroethane	6.20	62	28222	19.03	ug/l	99
43) Isopropyl Acetate	6.47	43	43516	17.52	ug/l	99
44) Trichloroethene	7.22	130	22748	19.19	ug/l	85
45) 1,2-Dichloropropane	7.52	63	20641	17.99	ug/l	99
46) Dibromomethane	7.67	93	13372	18.06	ug/l	100
47) Bromodichloromethane	7.90	83	24546	17.67	ug/l	99
48) Methyl methacrylate	7.78	41	22042	17.62	ug/l	97
49) 1,4-Dioxane	7.76	88	10599	357.84	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	182641	88.17	ug/l	99
52) Toluene	8.79	92	50612	18.68	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	27495	18.14	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	30011	18.19	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	20908	18.13	ug/l	99
56) Ethyl methacrylate	9.18	69	29964	18.56	ug/l	98
57) 1,3-Dichloropropane	9.38	76	33832	18.03	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	79382	95.62	ug/l	99
59) 2-Hexanone	9.50	43	140850	88.74	ug/l	100
60) Dibromochloromethane	9.59	129	20119	17.82	ug/l	100
61) 1,2-Dibromoethane	9.68	107	21809	18.41	ug/l	99
64) Tetrachloroethene	9.34	164	21753	20.13	ug/l	99
65) Chlorobenzene	10.14	112	57323	19.49	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	20372	19.67	ug/l	98
67) Ethyl Benzene	10.26	91	94480	20.09	ug/l	100
68) m/p-Xylenes	10.36	106	75374	41.00	ug/l	98
69) o-Xylene	10.70	106	35639	20.11	ug/l	100
70) Styrene	10.71	104	59985	20.38	ug/l	100
71) Bromoform	10.86	173	15851	18.45	ug/l #	99
73) Isopropylbenzene	11.02	105	96678	20.89	ug/l	99
74) N-amyl acetate	6.47	43	43516	18.96	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	32249	19.12	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	28060m	19.29	ug/l	
77) Bromobenzene	11.26	156	27100	20.52	ug/l	100
78) n-propylbenzene	11.36	91	109375	20.89	ug/l	99
79) 2-Chlorotoluene	11.42	91	65258	20.16	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	81722	21.05	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	8867	19.21	ug/l	99
82) 4-Chlorotoluene	11.51	91	76943	20.54	ug/l	100
83) tert-Butylbenzene	11.77	119	80552	20.63	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	84494	21.04	ug/l	100
85) sec-Butylbenzene	11.95	105	94938	21.04	ug/l	100
86) p-Isopropyltoluene	12.07	119	86361	21.13	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	48918	19.93	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	49646	19.56	ug/l	99
89) n-Butylbenzene	12.39	91	71588	20.44	ug/l	99
90) Hexachloroethane	12.60	117	12765	19.28	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	49232	19.63	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	6602	17.71	ug/l	100

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ClientSampleId :
VX0805WBS01

Manual Integrations
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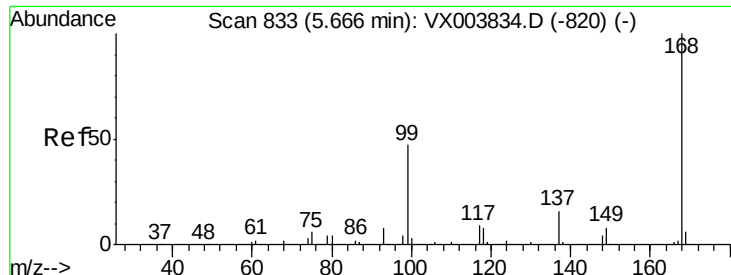
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Quant Title : SW846 8260
QLast Update : Fri Aug 03 01:55:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	35718	20.10	ug/l	100
94) Hexachlorobutadiene	13.79	225	17127	20.42	ug/l	98
95) Naphthalene	13.83	128	104739	20.24	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	36831	19.92	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003855.D

Acq: 03 Aug 2018 18:14

Instrument :

MSVOA_X

ClientSampled :

VX0805WBS01

Tot Ion:168 Resp: 96610

Ion Ratio Lower Upper

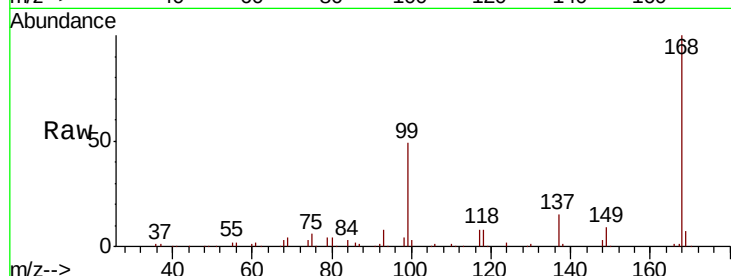
168 100

99 48.8 38.1 57.1

Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

30000

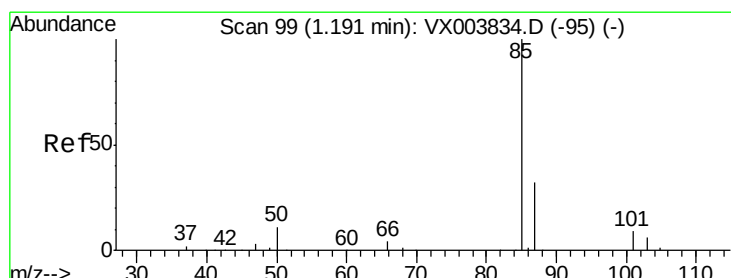
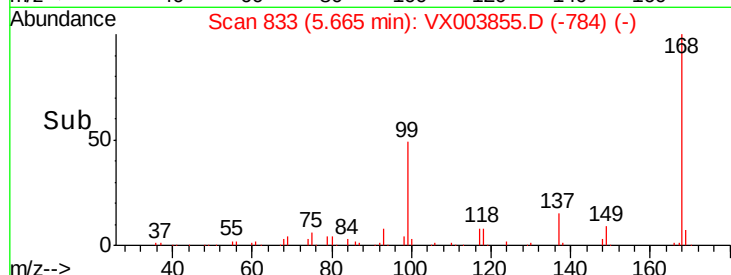
20000

10000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.70 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.01 min

Lab File: VX003855.D

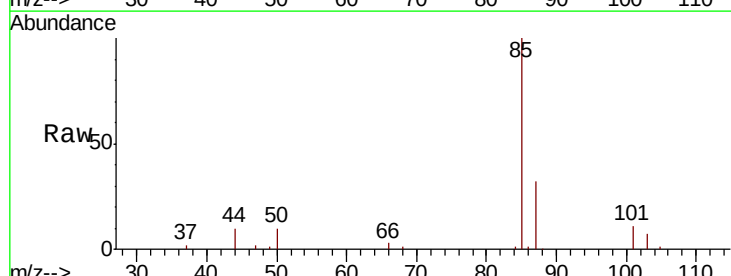
Acq: 03 Aug 2018 18:14

Tgt Ion: 85 Resp: 18884

Ion Ratio Lower Upper

85 100

87 32.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

20000

15000

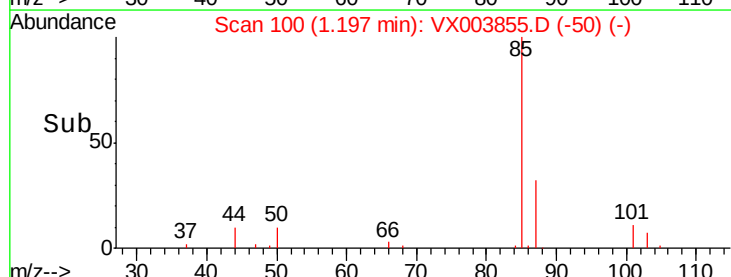
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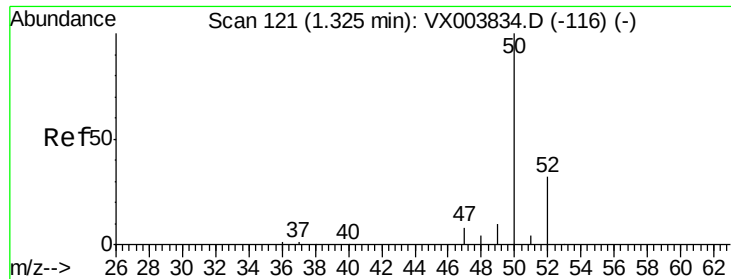
5000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 15.95 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003855.D

Acq: 03 Aug 2018 18:14

Tot Ion: 50 Resp: 23192

Ion Ratio Lower Upper

50 100

52 34.1 25.8 38.8

Instrument :

MSVOA_X

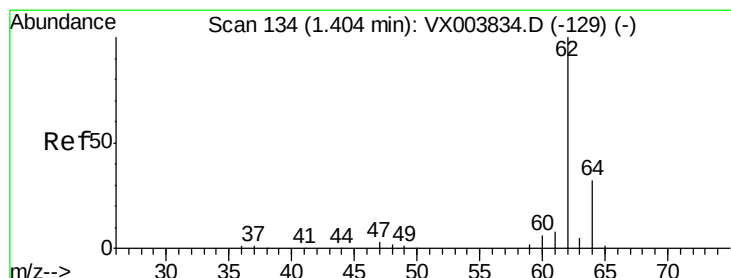
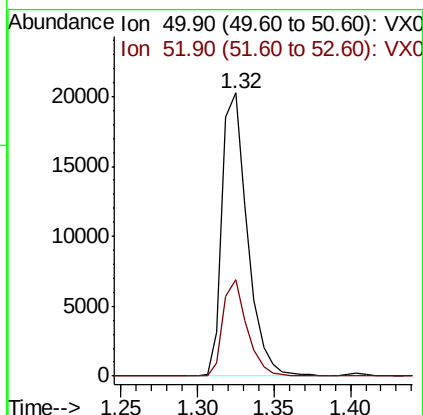
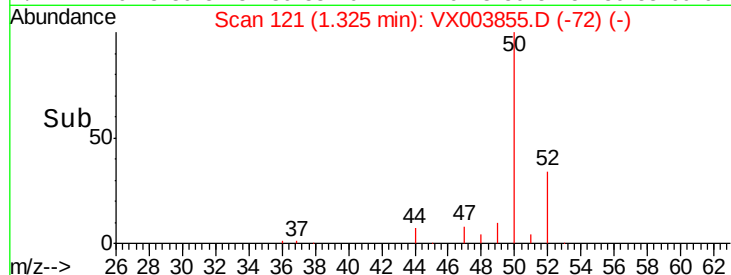
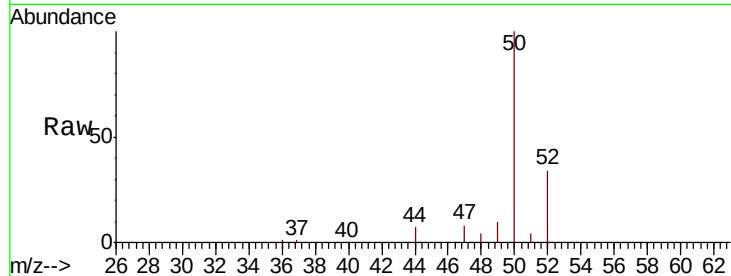
ClientSampleId :

VX0805WBS01

Manual Integrations
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#4

Vinyl Chloride

Concen: 17.56 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003855.D

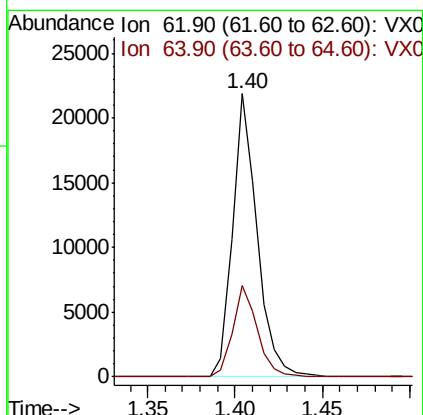
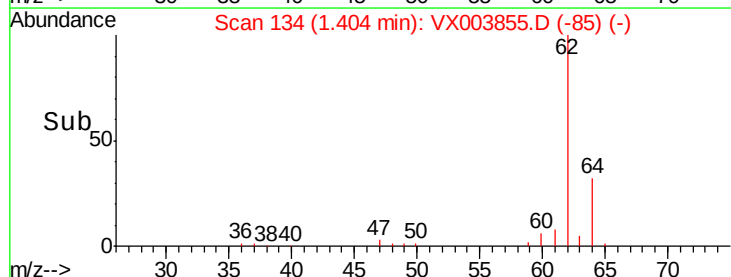
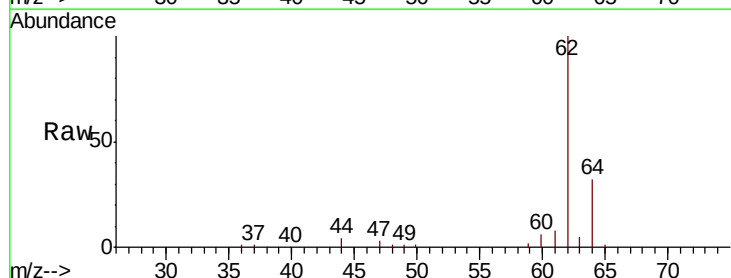
Acq: 03 Aug 2018 18:14

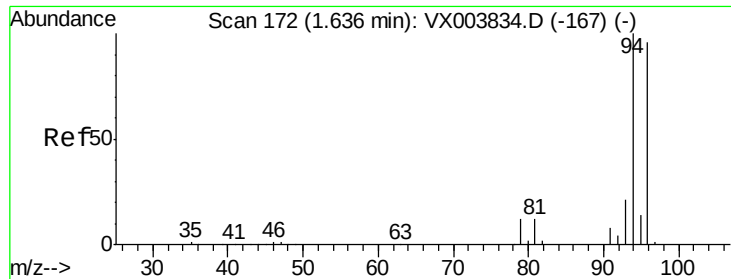
Tgt Ion: 62 Resp: 21321

Ion Ratio Lower Upper

62 100

64 32.2 25.3 37.9





#5

Bromomethane

Concen: 16.25 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003855.D

Acq: 03 Aug 2018 18:14

Instrument :

MSVOA_X

ClientSampled :

VX0805WBS01

Tot Ion: 94 Resp: 9738

Ion Ratio Lower Upper

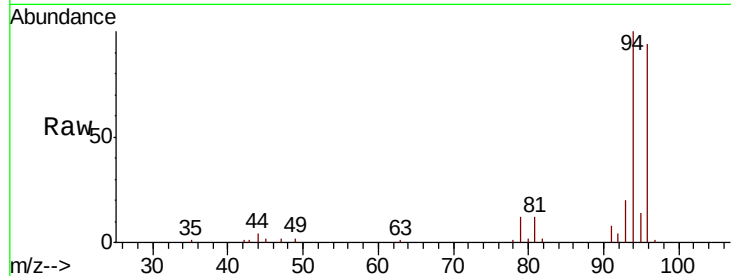
94 100

96 94.1 76.9 115.3

Manual Integrations
APPROVED

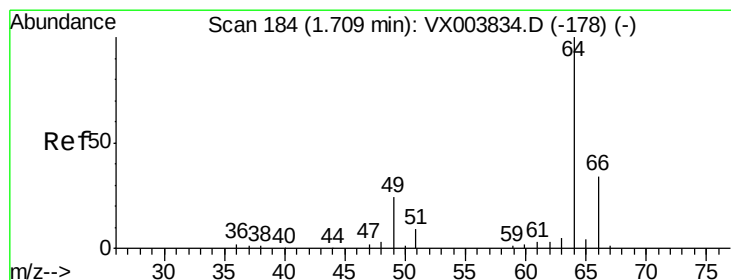
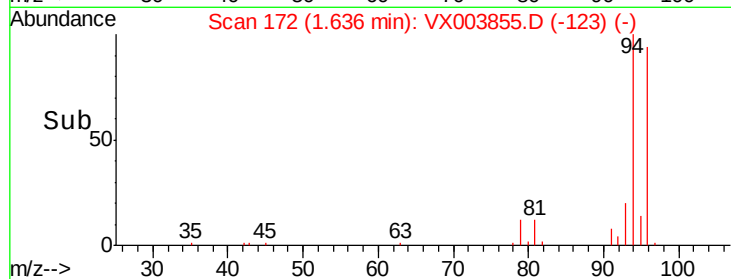
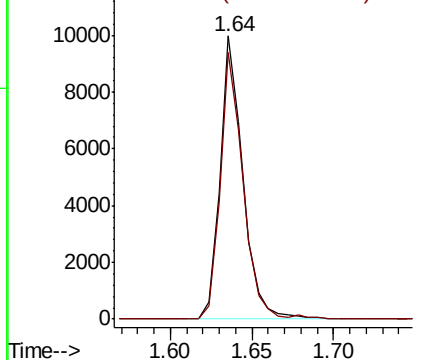
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 12.39 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003855.D

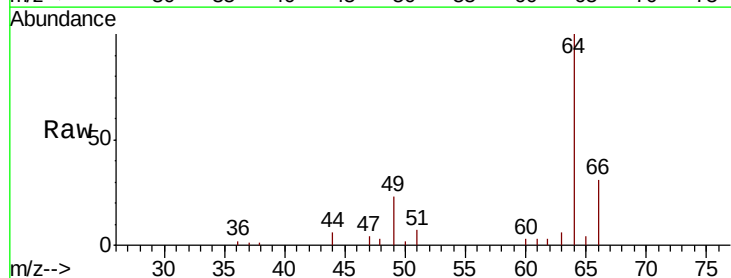
Acq: 03 Aug 2018 18:14

Tgt Ion: 64 Resp: 9202

Ion Ratio Lower Upper

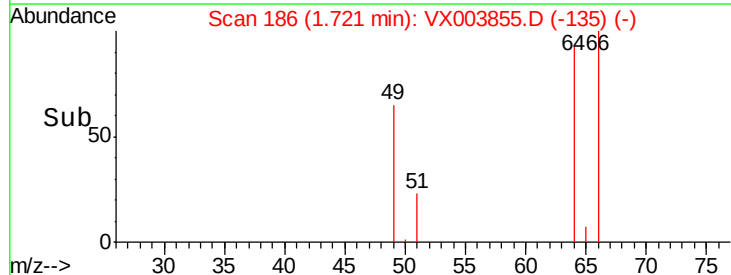
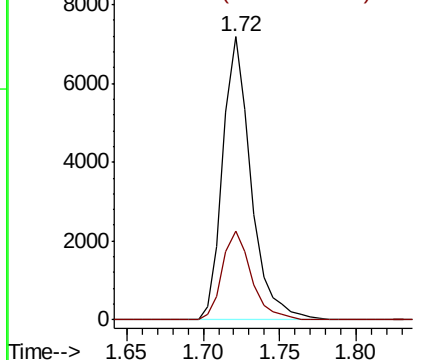
64 100

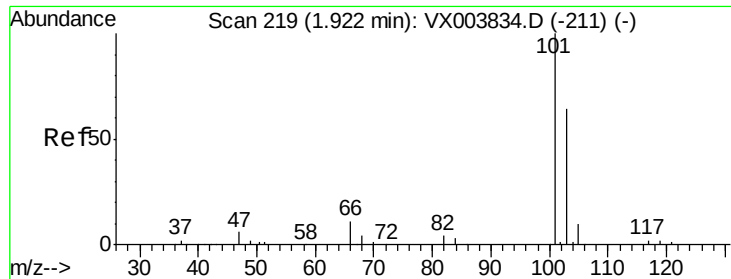
66 31.4 27.2 40.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane
 Concen: 15.29 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX003855.D
 Acq: 03 Aug 2018 18:14

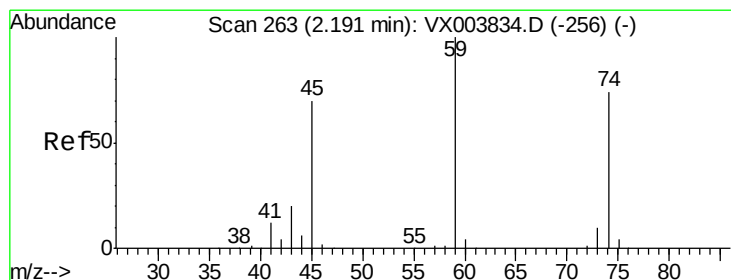
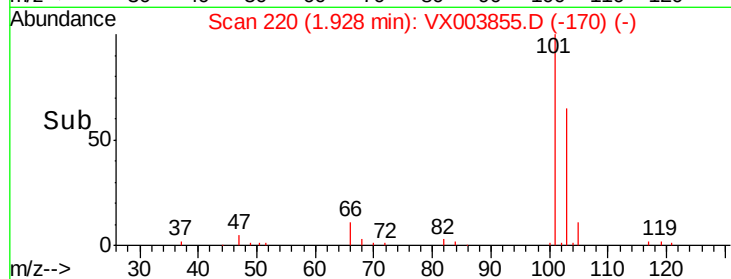
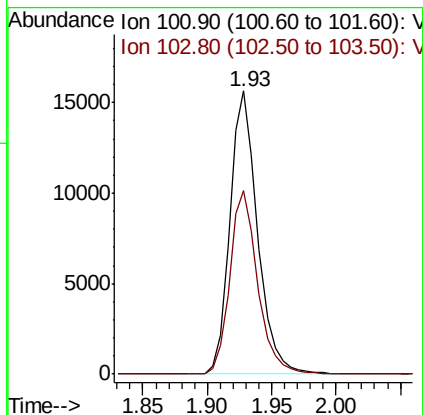
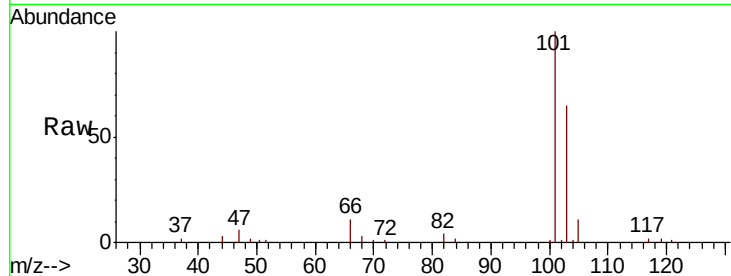
Instrument :
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 ClientSampleId :
 VX0805WBS01

Tot Ion:101 Resp: 23434
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.4 77.0

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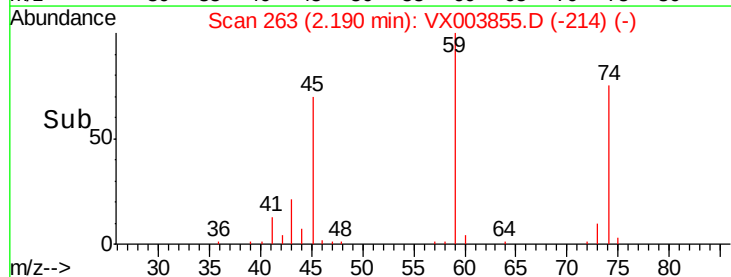
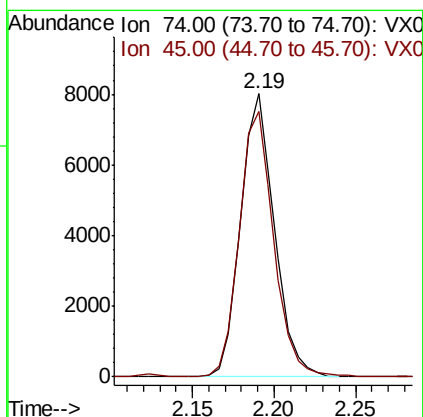
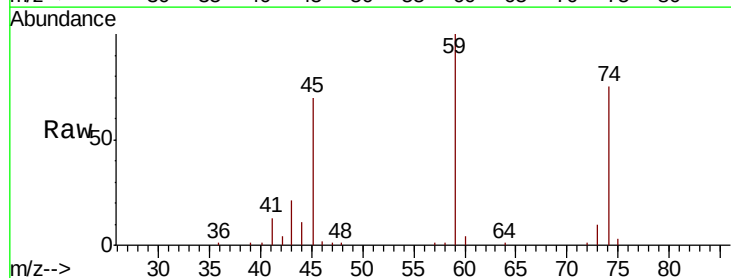
8/6/2018 10:47:39 AM

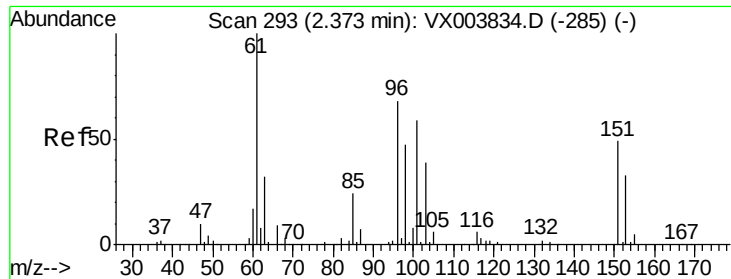


#8

Diethyl Ether
 Concen: 16.78 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX003855.D
 Acq: 03 Aug 2018 18:14

Tgt Ion: 74 Resp: 11553
 Ion Ratio Lower Upper
 74 100
 45 95.6 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.62 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.01 min

Lab File: VX003855.D

Acq: 03 Aug 2018 18:14

Instrument :

MSVOA_X

ClientSampled :

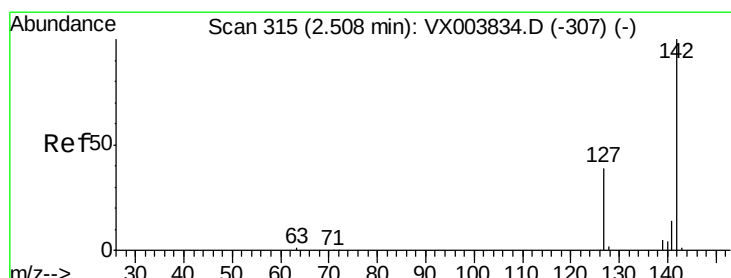
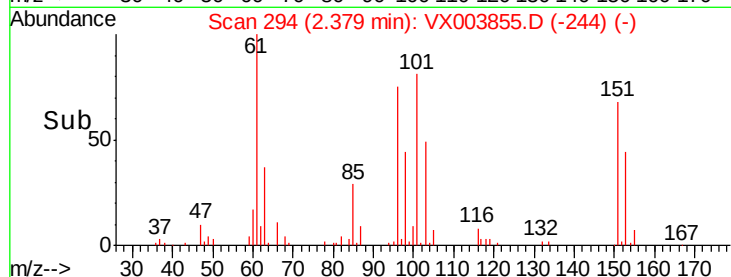
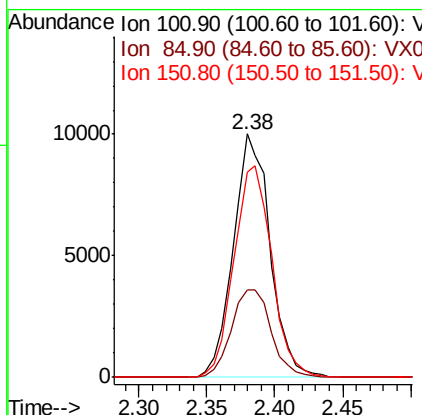
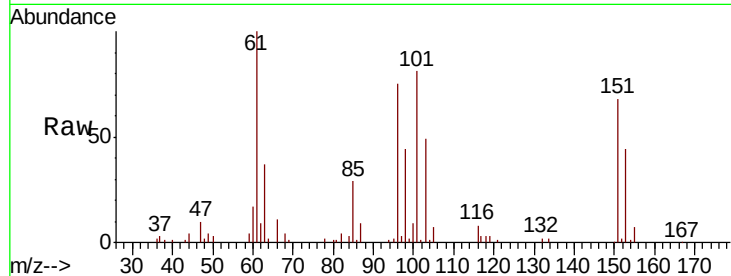
VX0805WBS01

Tot Ion:	101	Resp:	18836
Ion Ratio	Lower	Upper	
101	100		
85	39.0	33.6	50.4
151	89.6	71.0	106.4

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#10

Methyl Iodide

Concen: 17.57 ug/l

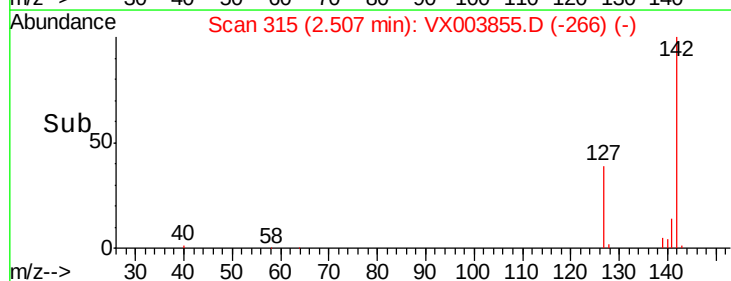
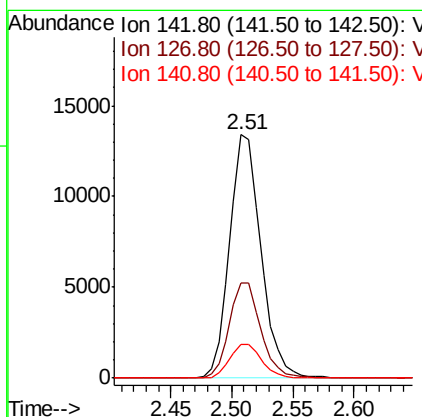
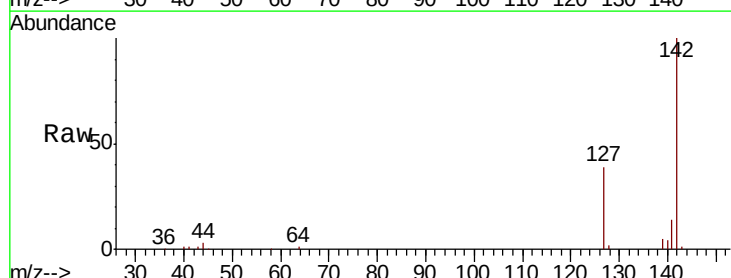
RT: 2.51 min Scan# 315

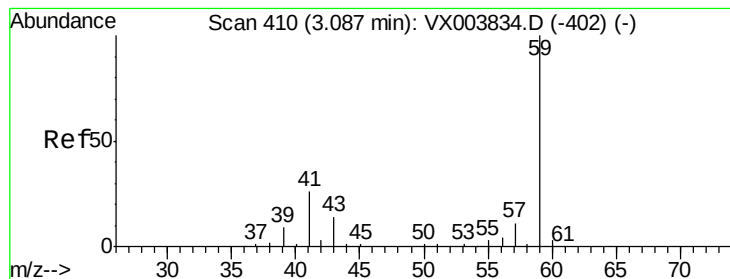
Delta R.T. -0.00 min

Lab File: VX003855.D

Acq: 03 Aug 2018 18:14

Tgt Ion:	142	Resp:	23805
Ion Ratio	Lower	Upper	
142	100		
127	39.0	31.8	47.8
141	14.0	11.3	16.9





#11

Tert butyl alcohol
Concen: 83.23 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX003855.D
Acq: 03 Aug 2018 18:14

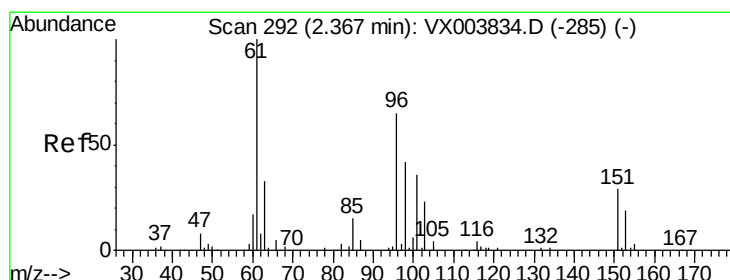
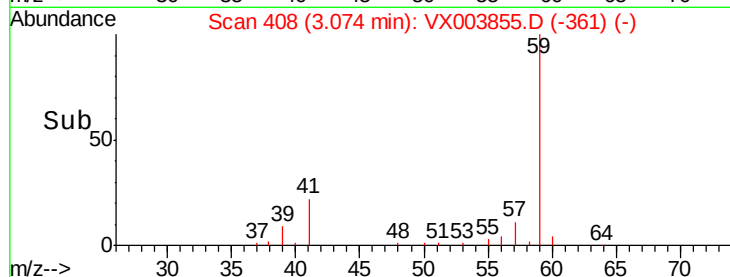
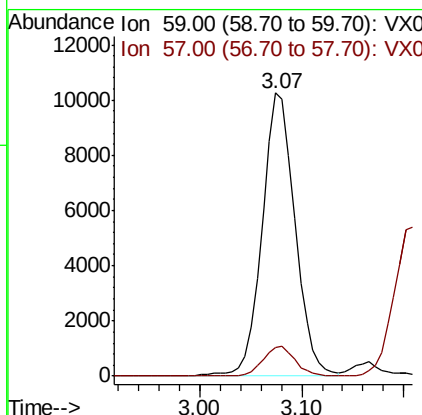
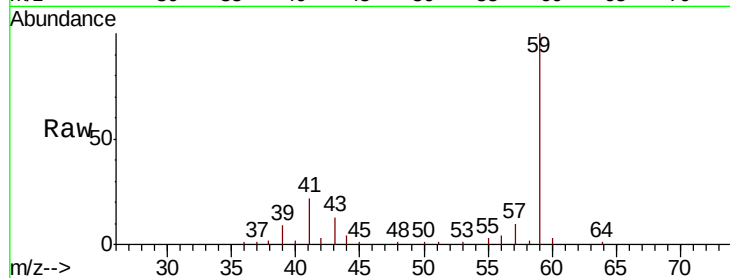
Instrument :
MSVOA_X
ClientSampleId :
VX0805WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.4

Manual Integrations
APPROVED

MMDadoda

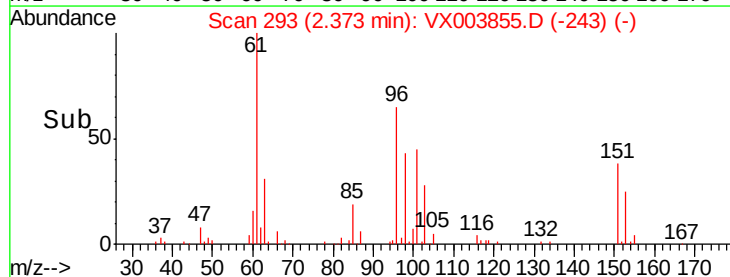
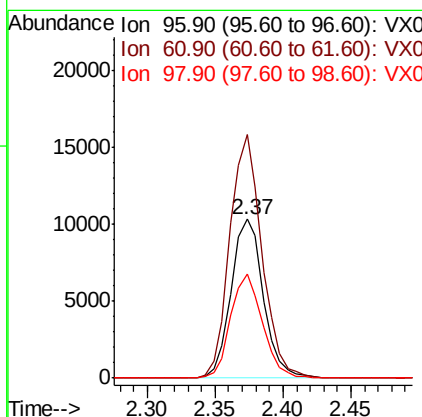
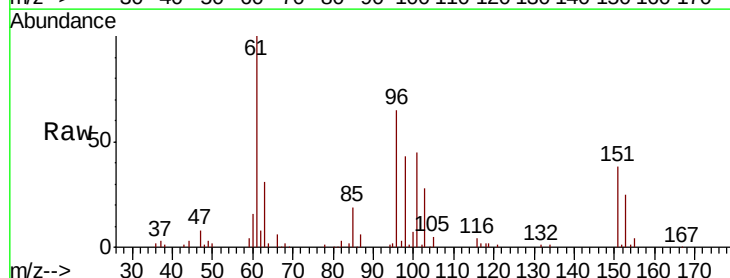
8/6/2018 10:47:39 AM

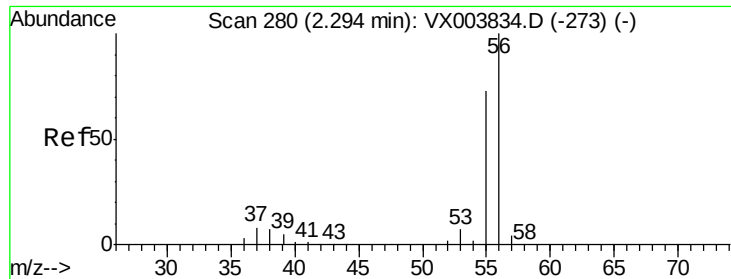


#12

1,1-Dichloroethene
Concen: 17.94 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX003855.D
Acq: 03 Aug 2018 18:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.6	122.8	184.2
98	65.3	51.8	77.8





#13
 Acrolein
 Concen: 68.32 ug/l
 RT: 2.29 min Scan# 280
 Delta R.T. -0.00 min
 Lab File: VX003855.D
 Acq: 03 Aug 2018 18:14

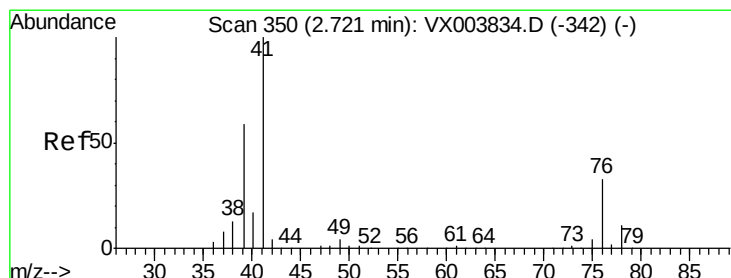
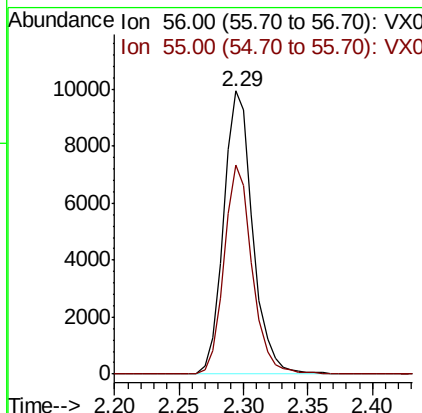
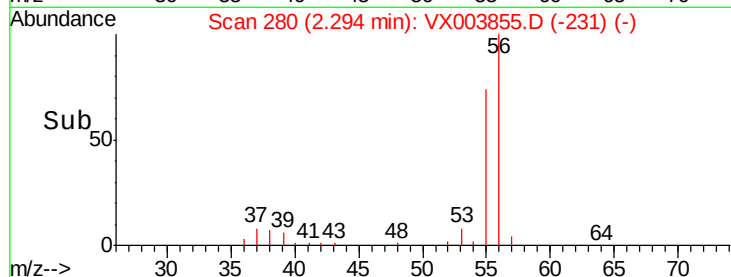
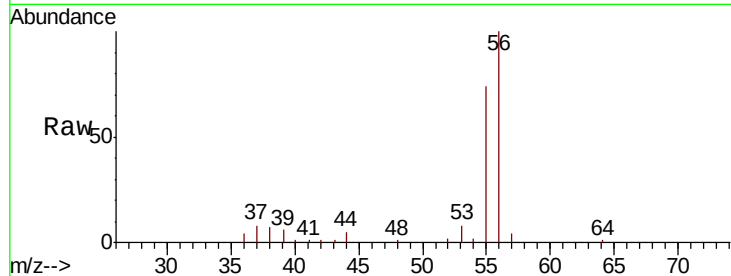
Instrument :
 MSVOA_X
 ClientSampled :
 VX0805WBS01

Tot Ion: 56 Resp: 15797
 Ion Ratio Lower Upper
 56 100
 55 71.2 57.7 86.5

Manual Integrations
 APPROVED

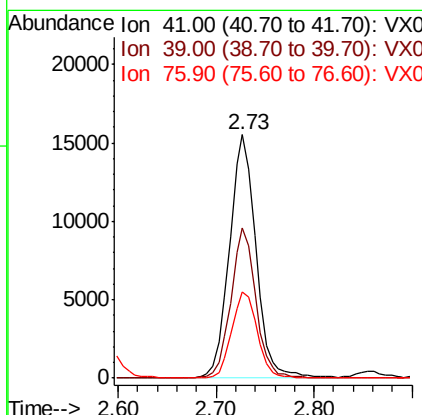
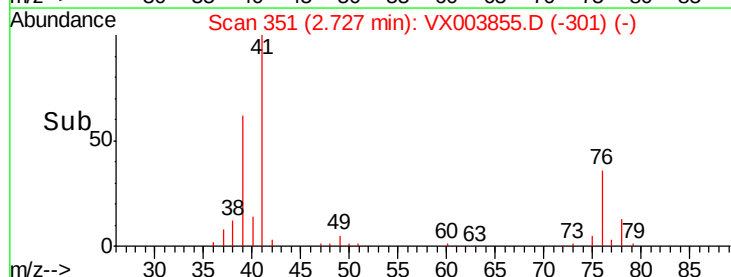
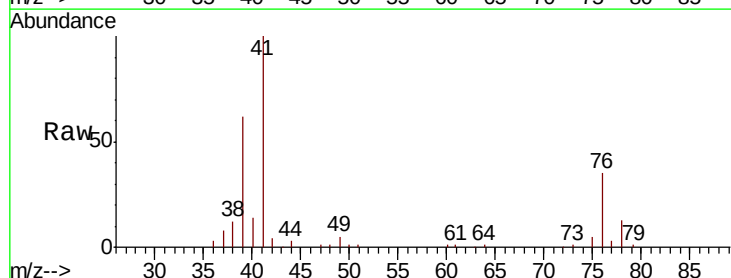
MMDadoda

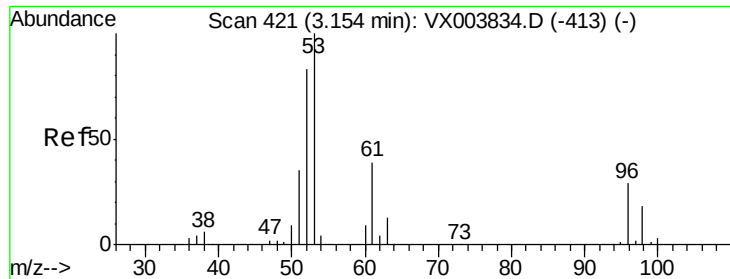
8/6/2018 10:47:39 AM



#14
 Allyl chloride
 Concen: 16.39 ug/l
 RT: 2.73 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VX003855.D
 Acq: 03 Aug 2018 18:14

Tgt Ion: 41 Resp: 29210
 Ion Ratio Lower Upper
 41 100
 39 58.1 46.1 69.1
 76 34.0 26.8 40.2





#15

Acrylonitrile

Concen: 90.61 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003855.D

Acq: 03 Aug 2018 18:14

Instrument :

MSVOA_X

ClientSampleId :

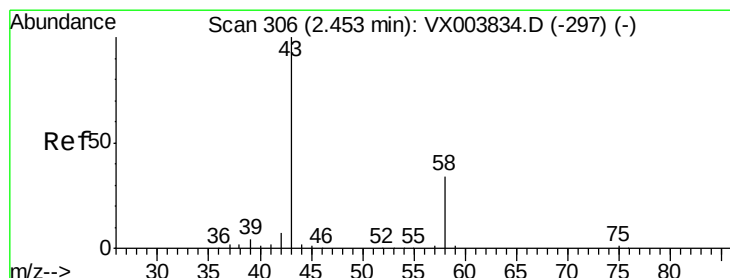
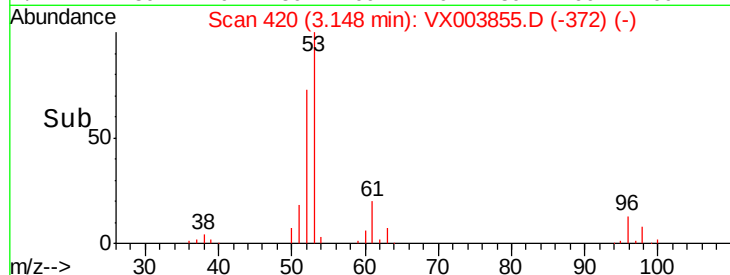
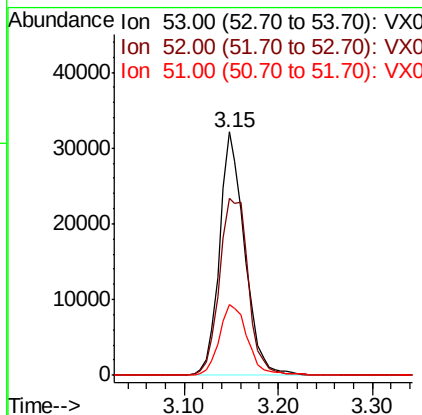
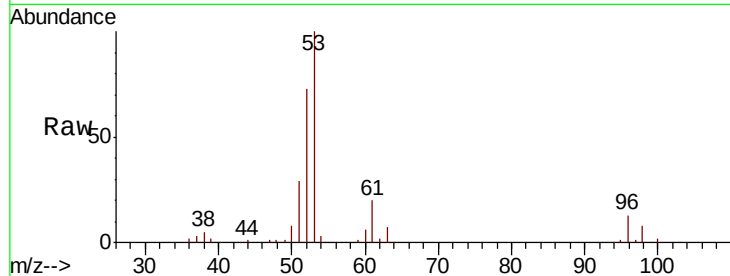
VX0805WBS01

Tot Ion:	53	Resp:	59496
Ion Ratio	Lower	Upper	
53	100		
52	83.5	65.9	98.9
51	32.9	28.6	43.0

Manual Integrations
APPROVED

MMDadoda

8/6/2018 10:47:39 AM



#16

Acetone

Concen: 78.36 ug/l

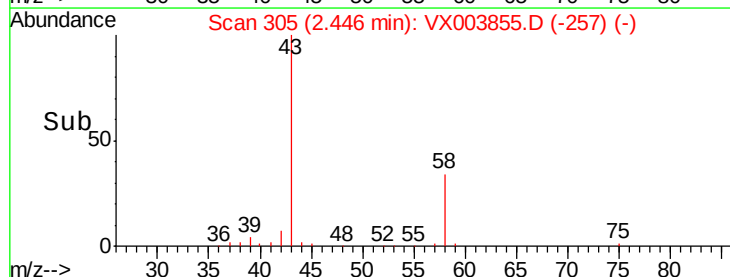
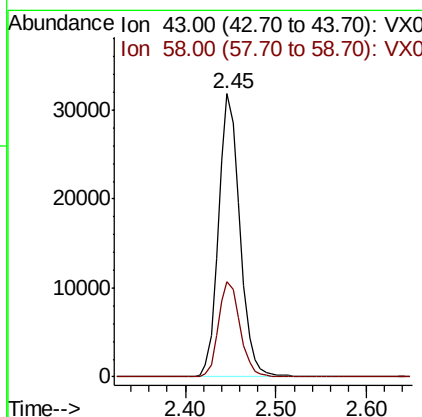
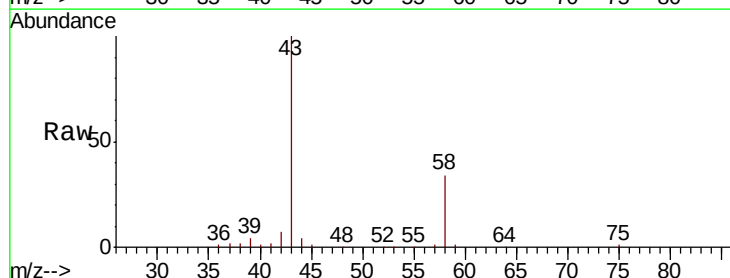
RT: 2.45 min Scan# 305

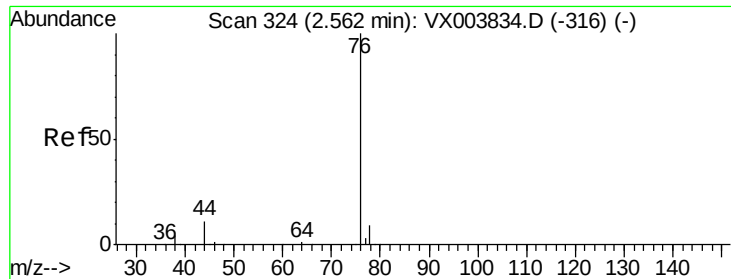
Delta R.T. -0.01 min

Lab File: VX003855.D

Acq: 03 Aug 2018 18:14

Tgt Ion:	43	Resp:	52532
Ion Ratio	Lower	Upper	
43	100		
58	33.6	27.0	40.4





#17

Carbon Disulfide

Concen: 17.04 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003855.D

Acq: 03 Aug 2018 18:14

Instrument :

MSVOA_X

ClientSampleId :

VX0805WBS01

Tot Ion: 76 Resp: 45851

Ion Ratio Lower Upper

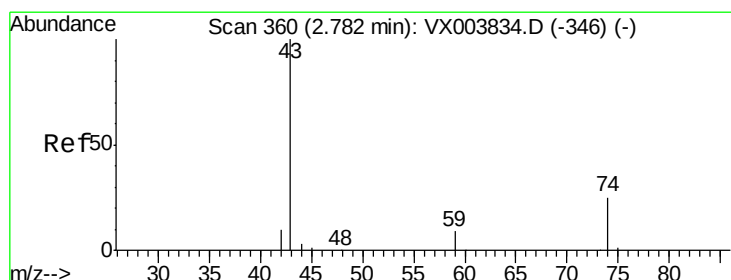
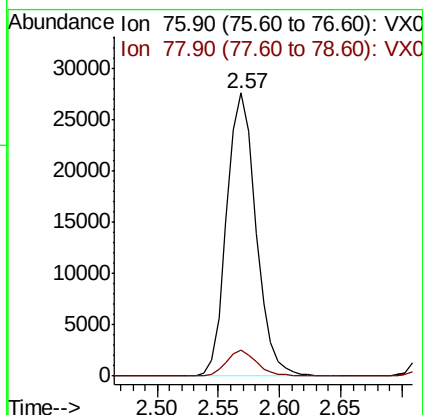
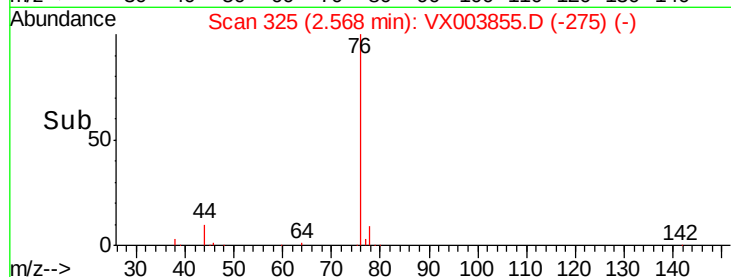
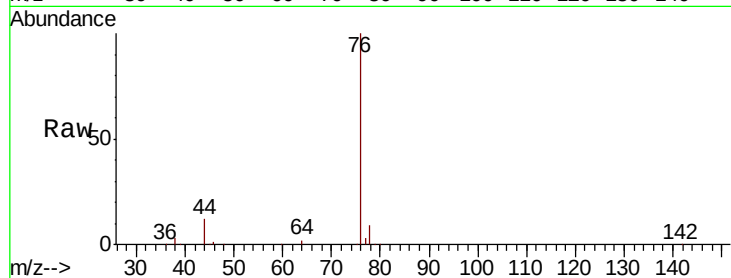
76 100

78 9.3 7.4 11.0

Manual Integrations
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#18

Methyl Acetate

Concen: 15.12 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003855.D

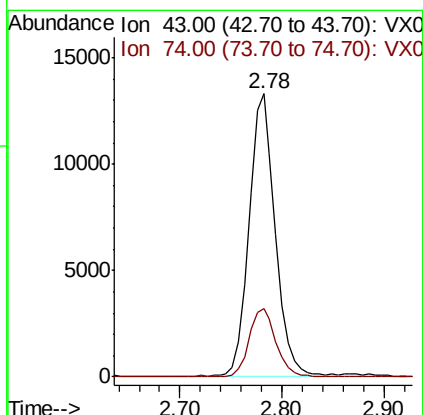
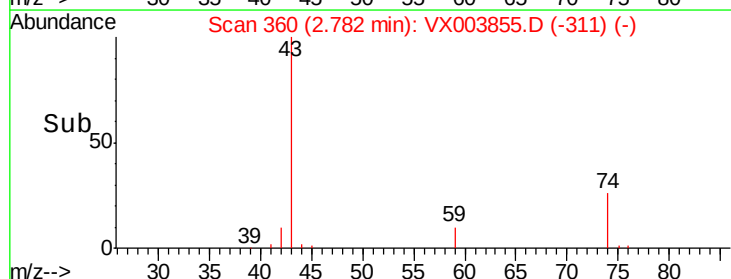
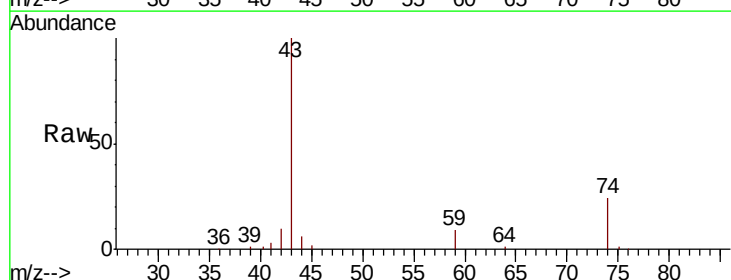
Acq: 03 Aug 2018 18:14

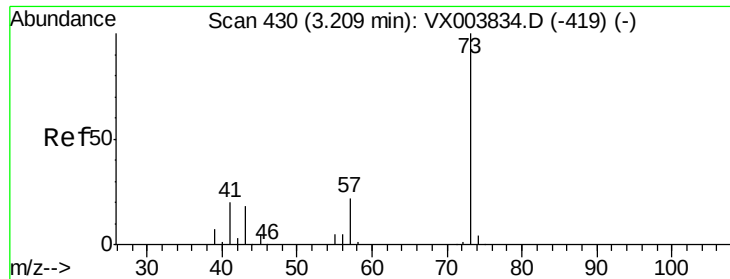
Tgt Ion: 43 Resp: 23979

Ion Ratio Lower Upper

43 100

74 24.4 19.2 28.8





#19
Methyl tert-butyl Ether
Concen: 17.83 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX003855.D
Acq: 03 Aug 2018 18:14

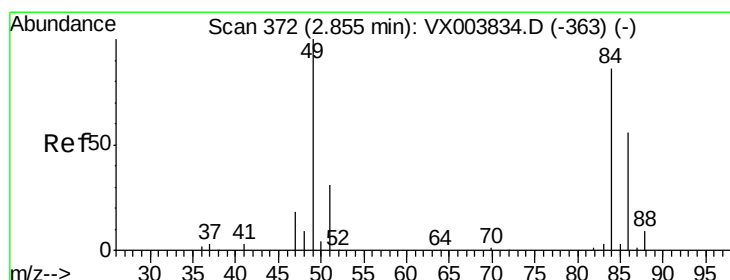
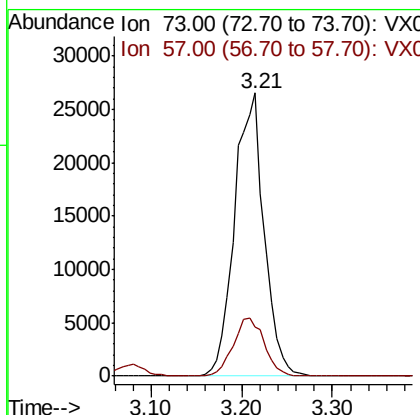
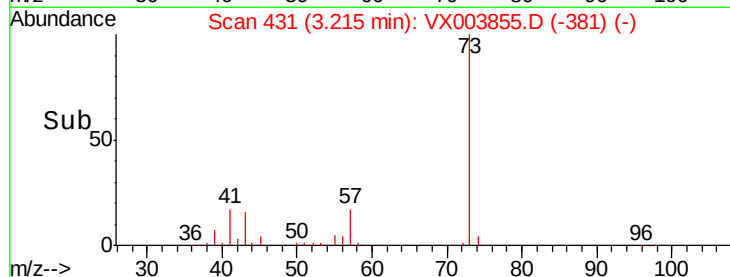
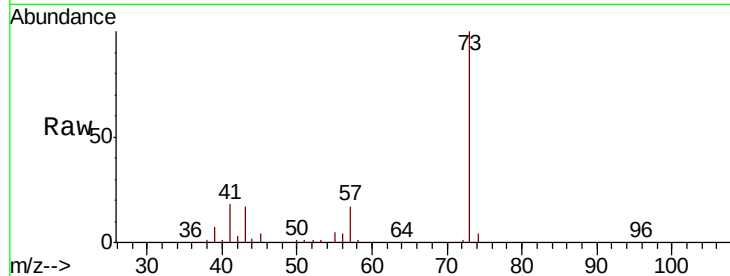
Instrument :
MSVOA_X
ClientSampleId :
VX0805WBS01

Tot Ion: 73 Resp: 60071
Ion Ratio Lower Upper
73 100
57 17.3 17.5 26.3#

Manual Integrations
APPROVED

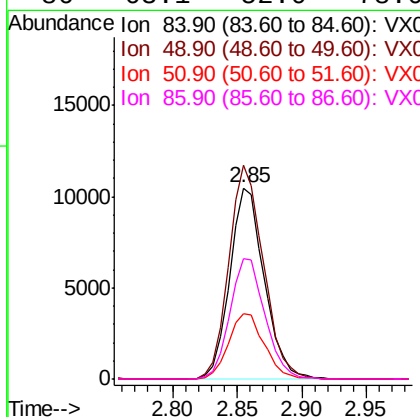
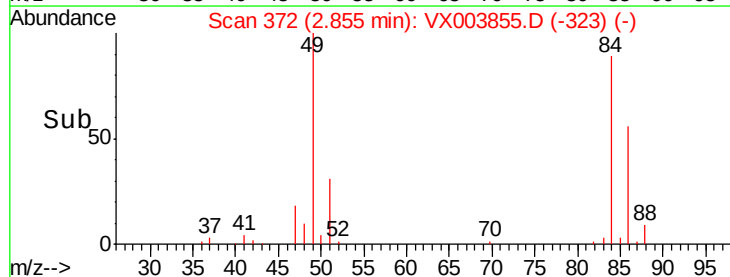
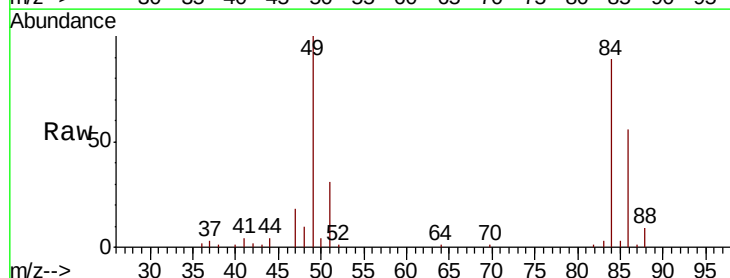
MMDadoda

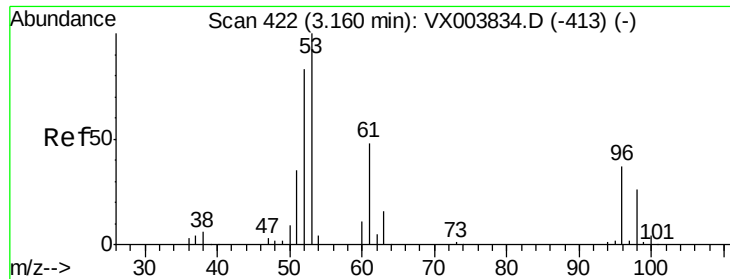
8/6/2018 10:47:39 AM



#20
Methylene Chloride
Concen: 16.56 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX003855.D
Acq: 03 Aug 2018 18:14

Tgt Ion: 84 Resp: 19528
Ion Ratio Lower Upper
84 100
49 111.9 93.2 139.8
51 34.4 29.2 43.8
86 63.1 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 17.49 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX003855.D

Acq: 03 Aug 2018 18:14

Instrument :

MSVOA_X

ClientSampled :

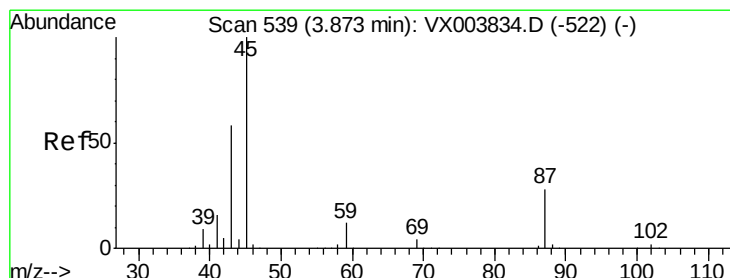
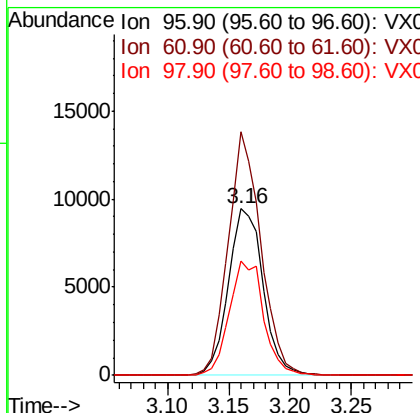
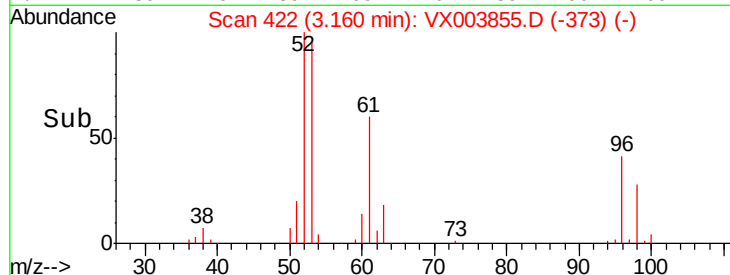
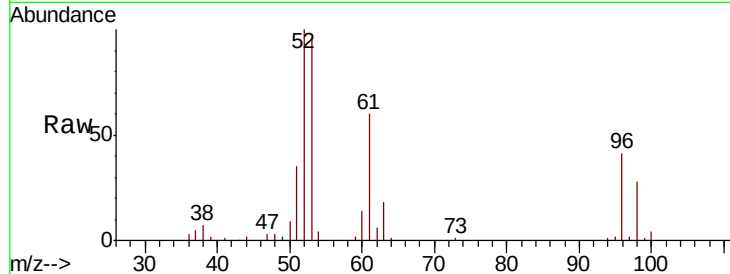
VX0805WBS01

Tot Ion:	96	Resp:	18591
Ion	Ratio	Lower	Upper
96	100		
61	146.3	104.2	156.4
98	68.5	57.0	85.6

Manual Integrations
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MMDadoda

8/6/2018 10:47:39 AM



#22

Diisopropyl ether

Concen: 17.67 ug/l

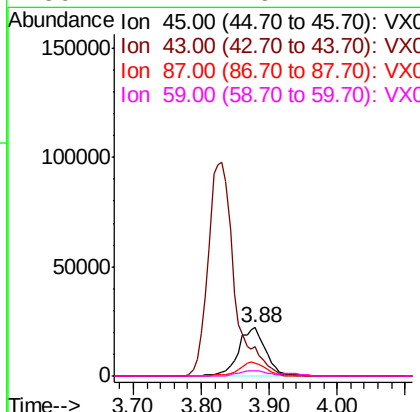
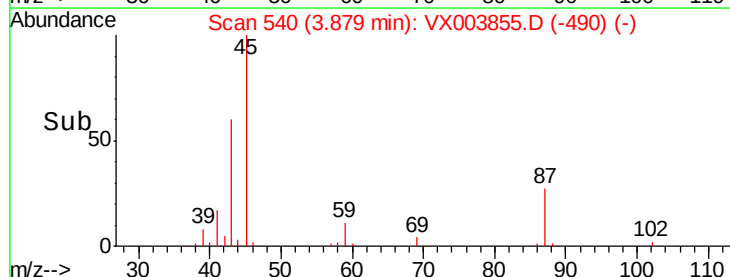
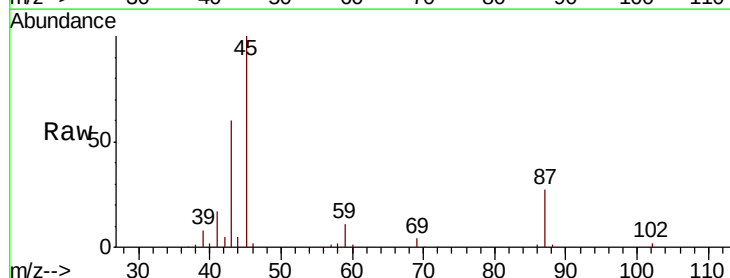
RT: 3.88 min Scan# 540

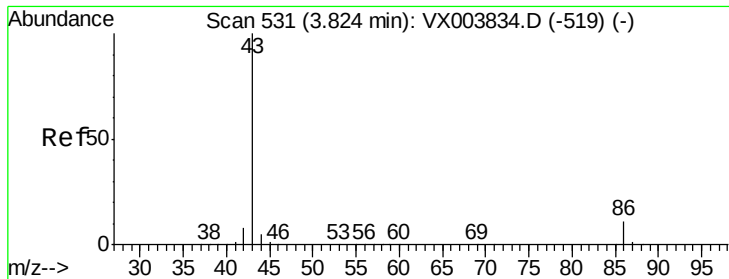
Delta R.T. 0.01 min

Lab File: VX003855.D

Acq: 03 Aug 2018 18:14

Tgt Ion:	45	Resp:	61054
Ion	Ratio	Lower	Upper
45	100		
43	59.6	46.4	69.6
87	27.4	22.4	33.6
59	11.4	9.4	14.2





#23

Vinyl Acetate

Concen: 91.65 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.01 min

Lab File: VX003855.D

Acq: 03 Aug 2018 18:14

Instrument :

MSVOA_X

ClientSampled :

VX0805WBS01

Tot Ion: 43 Resp: 263071

Ion Ratio Lower Upper

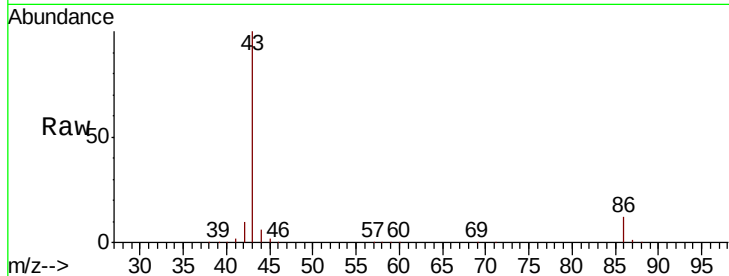
43 100

86 11.6 8.8 13.2

Manual Integrations
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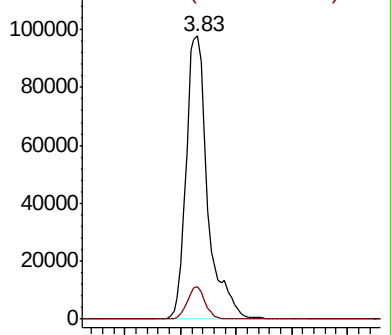
MMDadoda

8/6/2018 10:47:39 AM

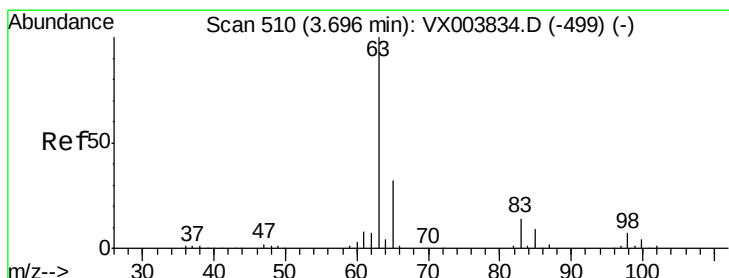
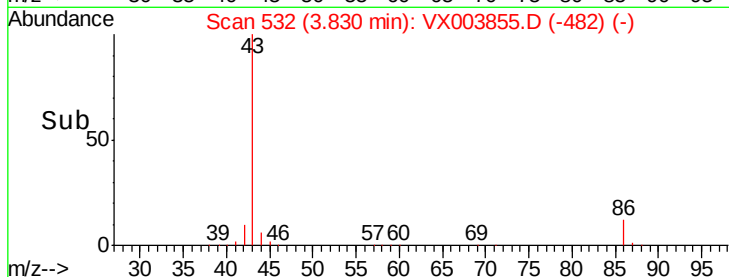


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 17.81 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003855.D

Acq: 03 Aug 2018 18:14

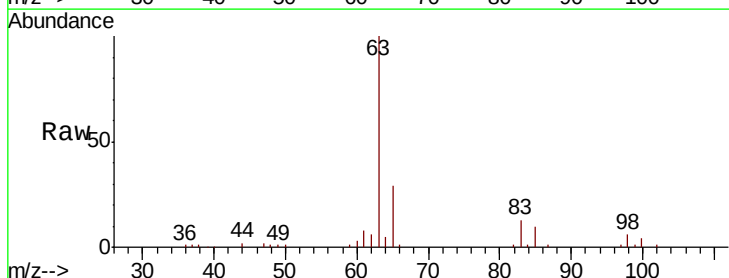
Tgt Ion: 63 Resp: 34396

Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.9

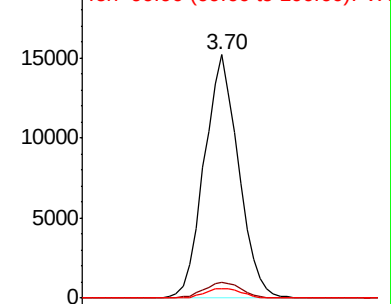
100 4.1 2.3 6.8



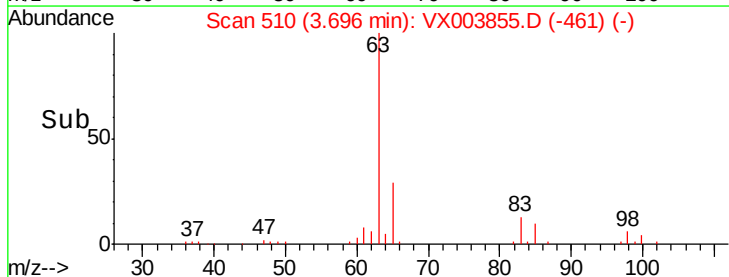
Abundance Ion 62.90 (62.60 to 63.60): VX0

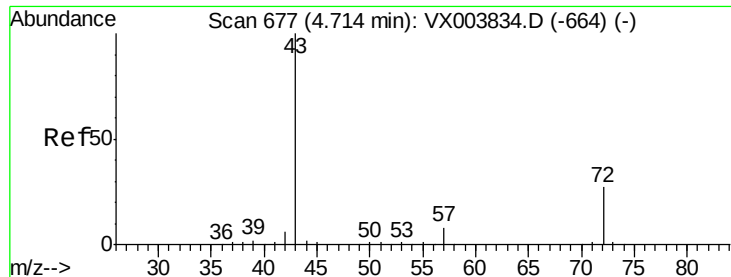
Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->





#25

2-Butanone

Concen: 87.06 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX003855.D

Acq: 03 Aug 2018 18:14

Instrument :

MSVOA_X

ClientSampleId :

VX0805WBS01

Tot Ion: 43 Resp: 99160

Ion Ratio Lower Upper

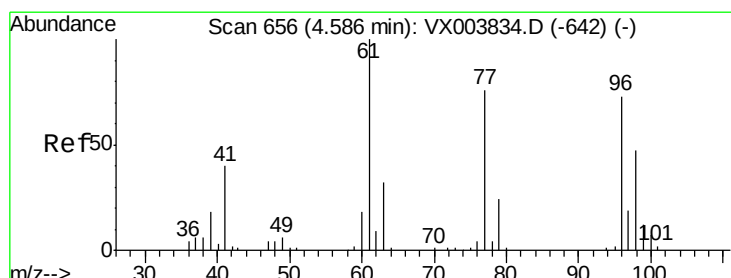
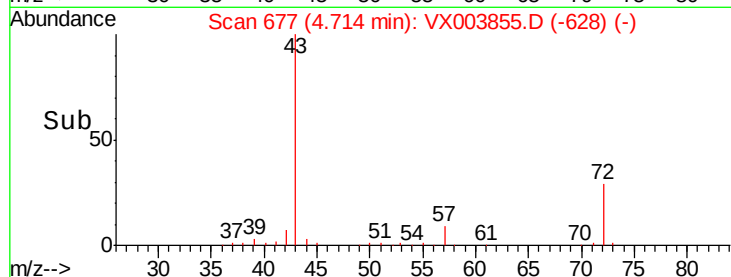
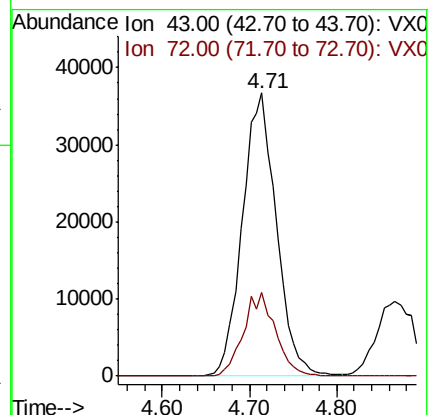
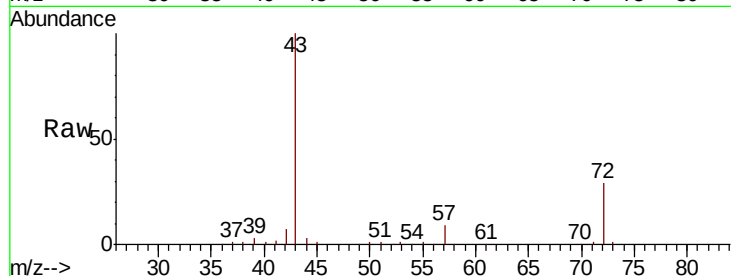
43 100

72 29.4 21.5 32.3

Manual Integrations
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MMDadoda

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#26

2,2-Dichloropropane

Concen: 18.97 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX003855.D

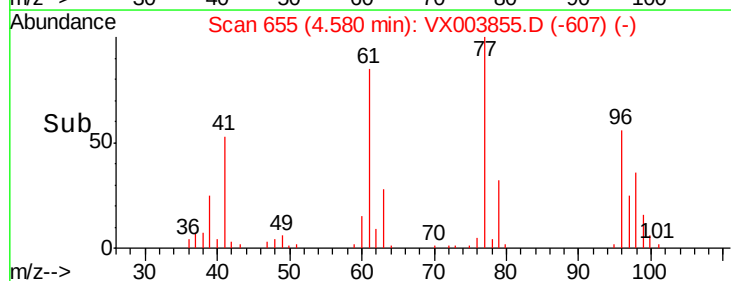
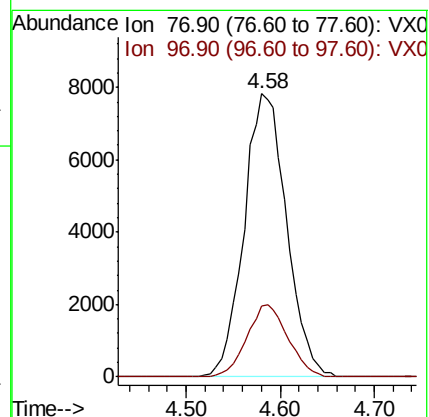
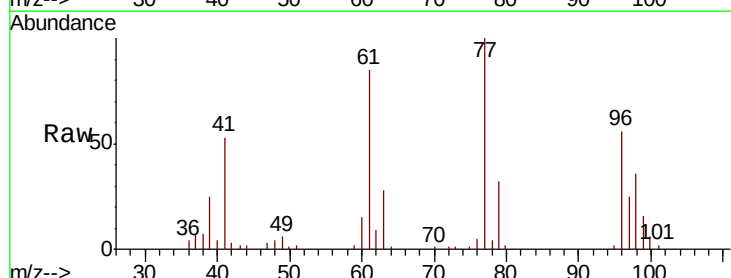
Acq: 03 Aug 2018 18:14

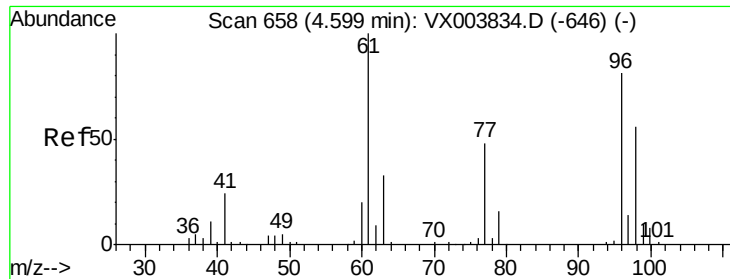
Tgt Ion: 77 Resp: 24674

Ion Ratio Lower Upper

77 100

97 24.6 12.8 38.3





#27

cis-1,2-Dichloroethene
Concen: 17.34 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.00 min
Lab File: VX003855.D
Acq: 03 Aug 2018 18:14

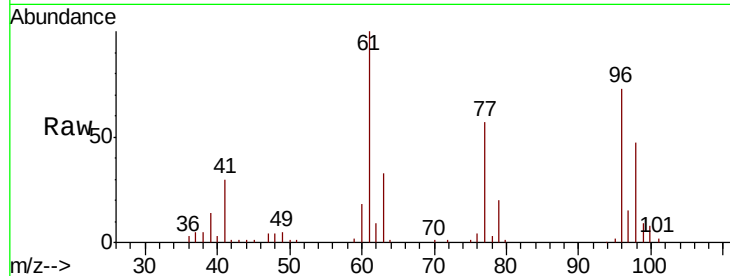
Instrument :
MSVOA_X
ClientSampled :
VX0805WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	21157		
61	147.7	0.0	283.6	
98	65.7	0.0	130.0	

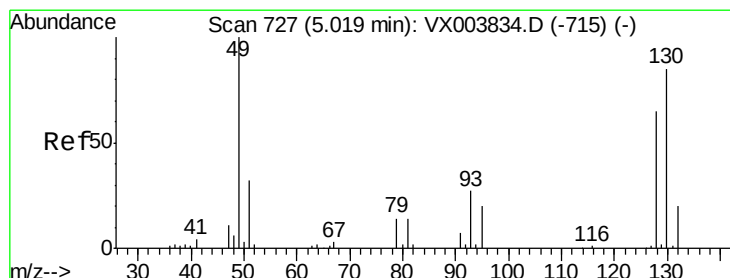
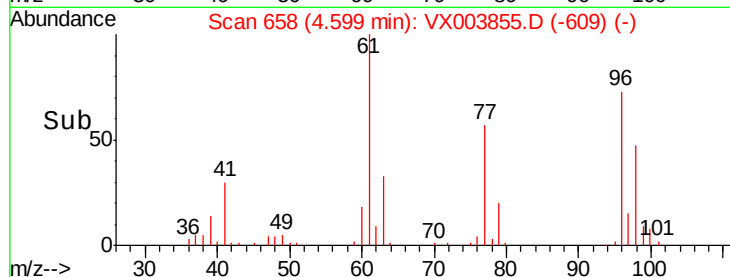
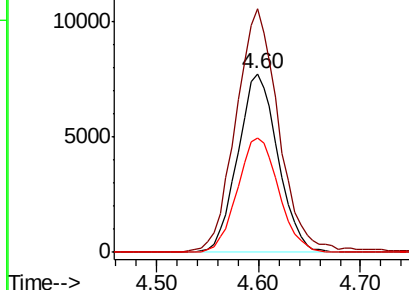
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8/6/2018 10:47:39 AM



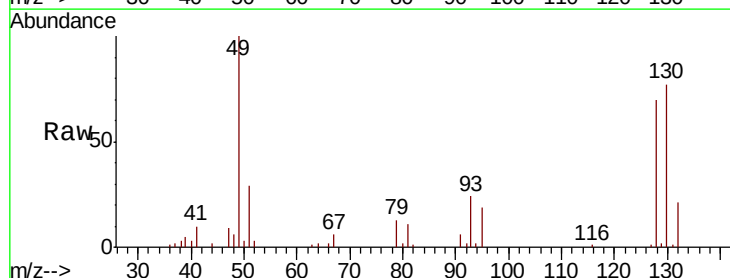
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



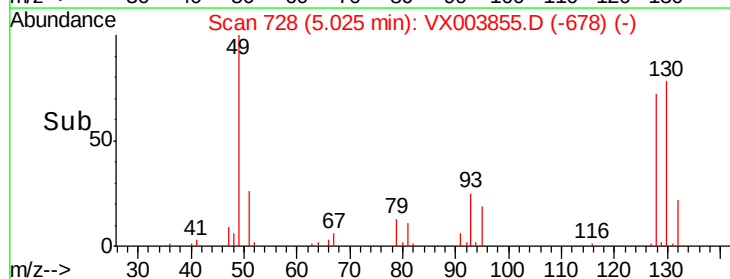
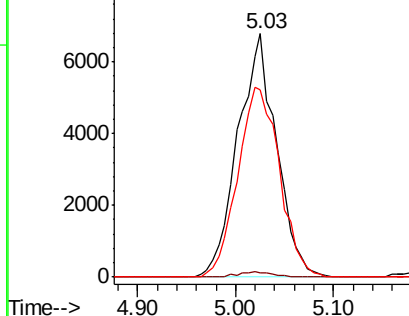
#28

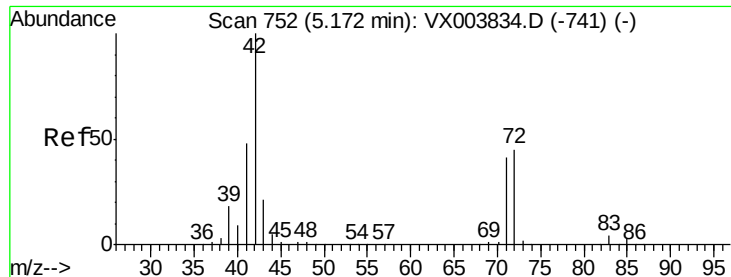
Bromochloromethane
Concen: 20.23 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.01 min
Lab File: VX003855.D
Acq: 03 Aug 2018 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	18625		
129	2.0	0.0	4.2	
130	84.0	68.9	103.3	



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29
Tetrahydrofuran
Concen: 83.05 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.01 min
Lab File: VX003855.D
Acq: 03 Aug 2018 18:14

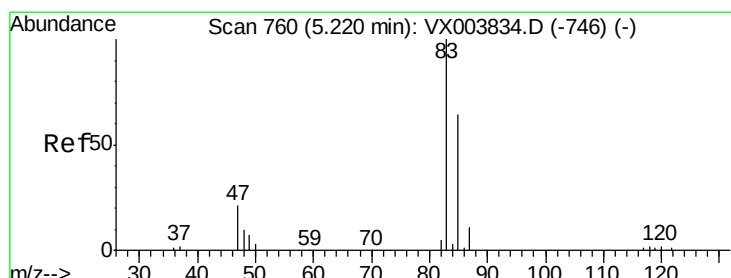
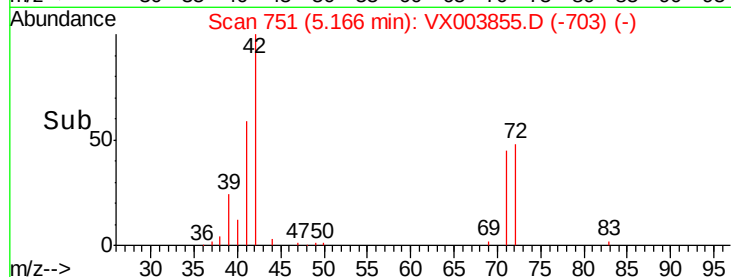
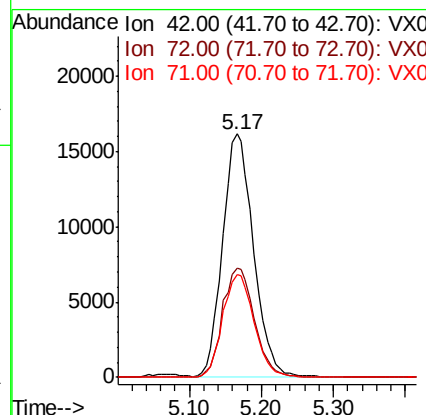
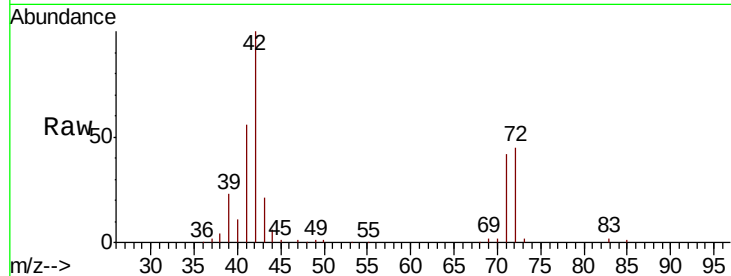
Instrument :
MSVOA_X
ClientSampleId :
VX0805WBS01

Tot Ion:	42	Resp:	48360
Ion	Ratio	Lower	Upper
42	100		
72	46.1	36.1	54.1
71	42.6	33.6	50.4

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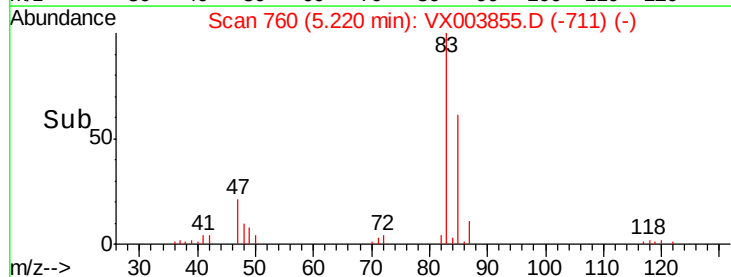
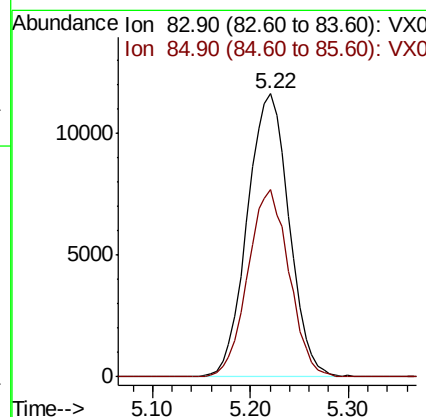
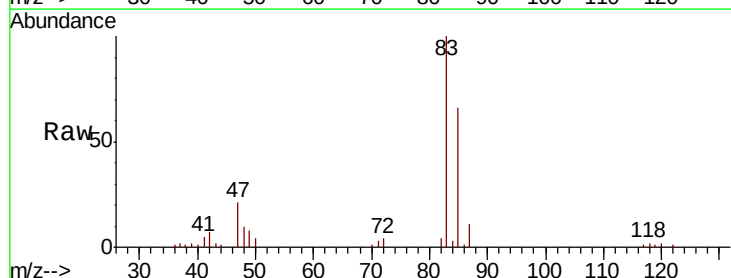
MMDadoda

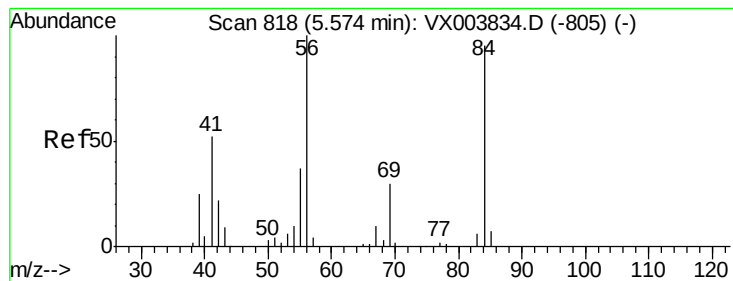
8/6/2018 10:47:39 AM



#30
Chloroform
Concen: 17.19 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX003855.D
Acq: 03 Aug 2018 18:14

Tgt Ion:	83	Resp:	34675
Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.5	77.3





#31

Cyclohexane

Concen: 20.39 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX003855.D

Acq: 03 Aug 2018 18:14

Instrument :

MSVOA_X

ClientSampled :

VX0805WBS01

Tot Ion: 56 Resp: 33019

Ion Ratio Lower Upper

56 100

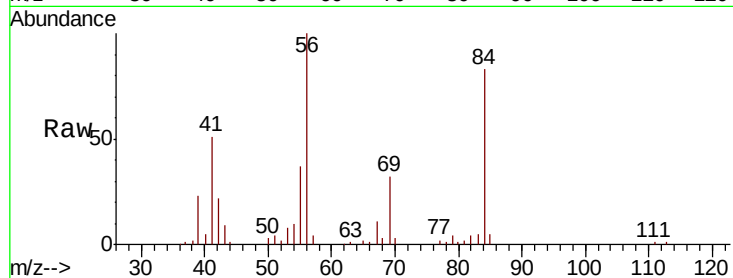
69 32.4 23.7 35.5

84 82.2 75.7 113.5

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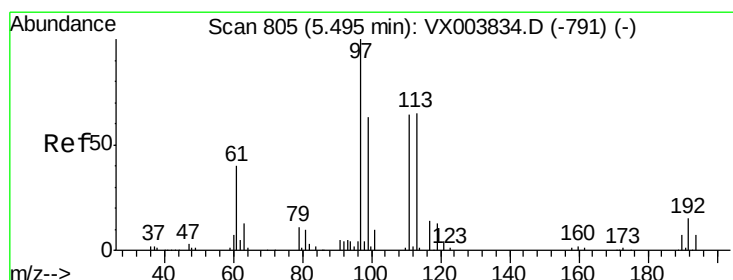
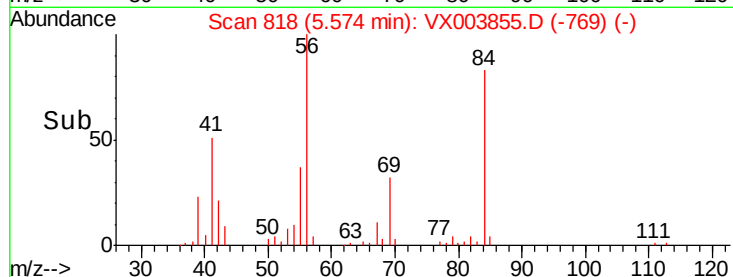
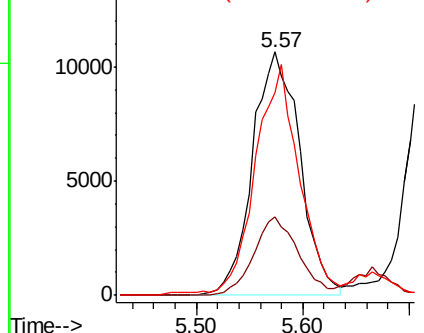
8/6/2018 10:47:39 AM



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: 18.96 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX003855.D

Acq: 03 Aug 2018 18:14

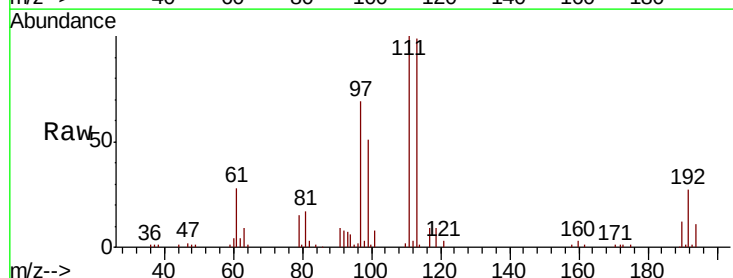
Tgt Ion: 97 Resp: 31455

Ion Ratio Lower Upper

97 100

99 66.2 51.8 77.6

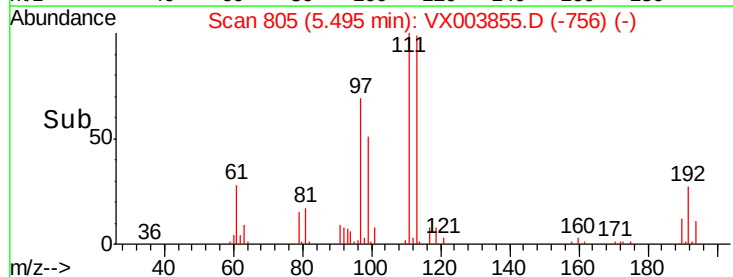
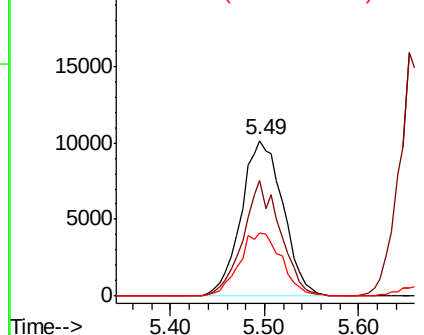
61 41.1 33.3 49.9

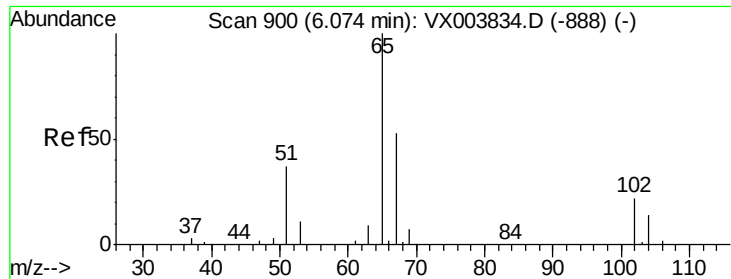


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33
 1,2-Dichloroethane-d4
 Concen: 45.13 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX003855.D
 Acq: 03 Aug 2018 18:14

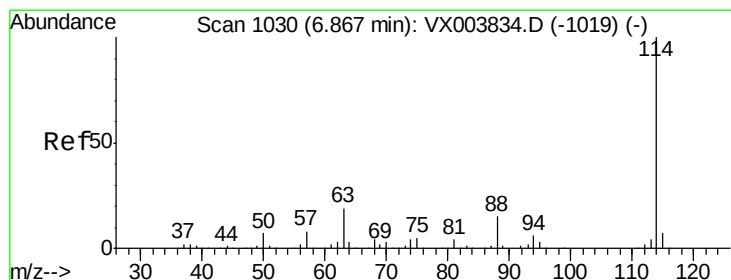
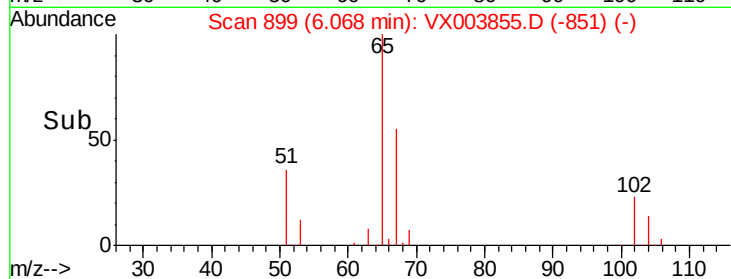
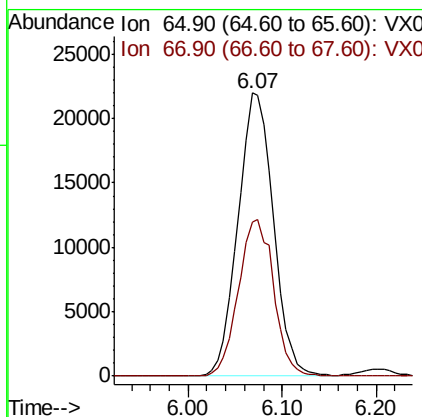
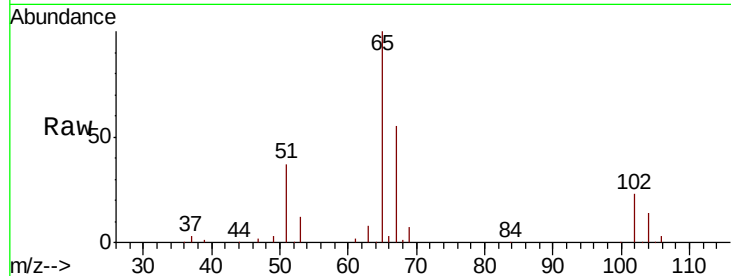
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0805WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	57498		
67	55.1	0.0	107.2	

Manual Integrations
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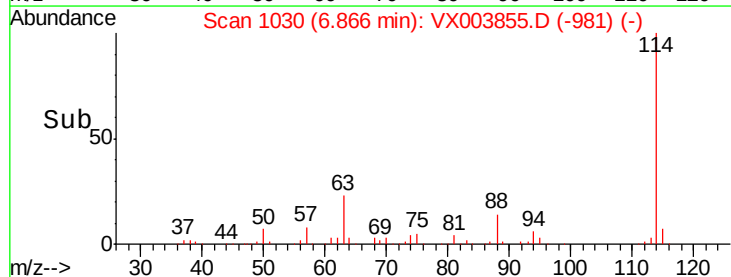
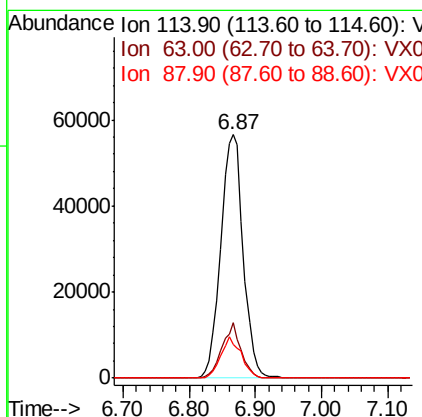
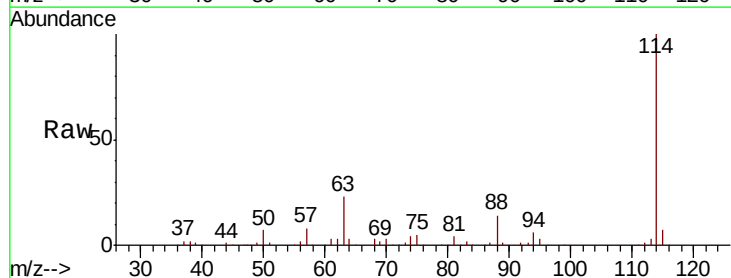
MMDadoda

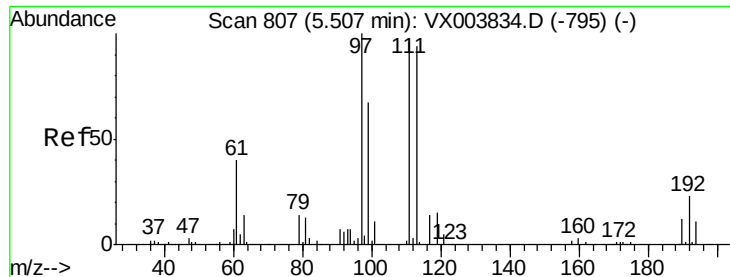
8/6/2018 10:47:39 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003855.D
 Acq: 03 Aug 2018 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	132691		
63	22.7	0.0	38.2	
88	14.1	0.0	29.6	





#35
 Dibromofluoromethane
 Concen: 50.70 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX003855.D
 Acq: 03 Aug 2018 18:14

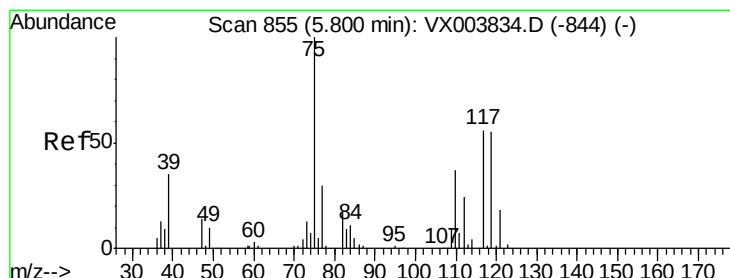
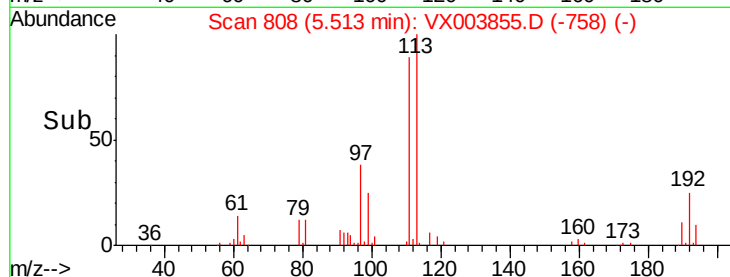
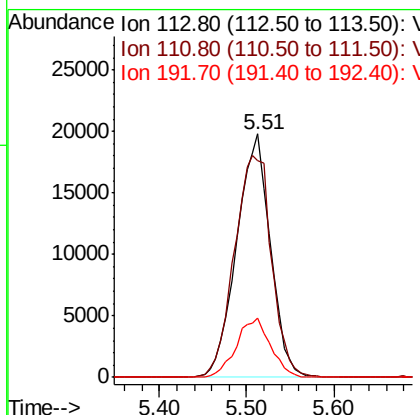
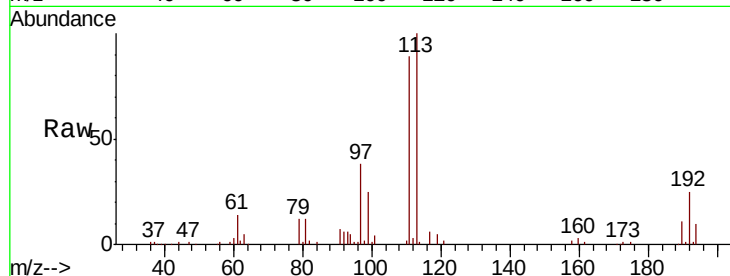
Instrument :
 MSVOA_X
 ClientSampled :
 VX0805WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.7	81.1	121.7
192	24.6	19.7	29.5

Manual Integrations
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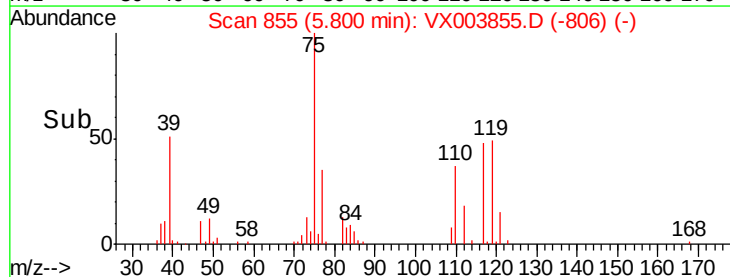
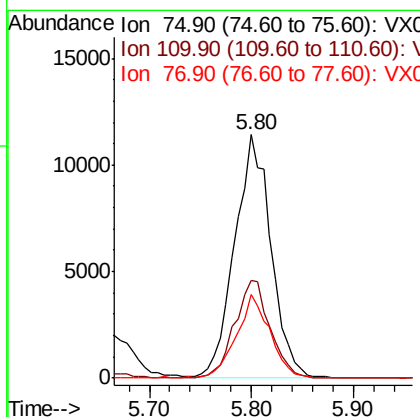
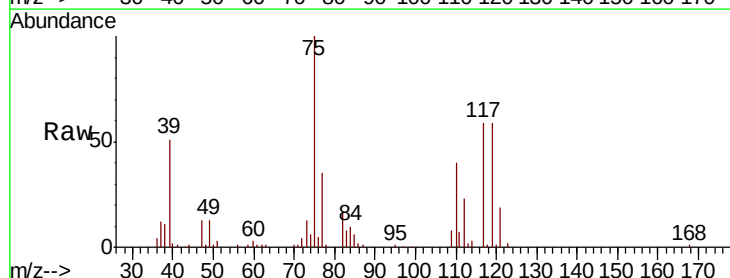
MMDadoda

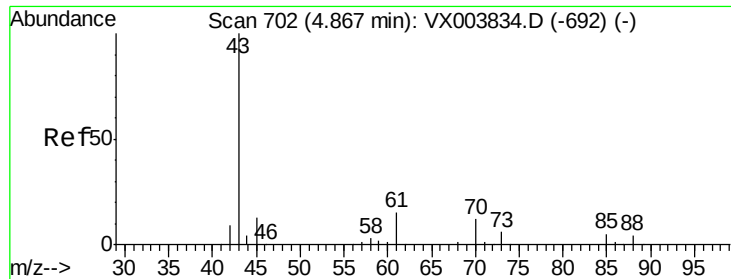
8/6/2018 10:47:39 AM



#36
 1,1-Dichloropropene
 Concen: 20.02 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX003855.D
 Acq: 03 Aug 2018 18:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.0	18.6	55.8
77	31.5	24.9	37.3





#37
Ethyl Acetate
Concen: 17.99 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX003855.D
Acq: 03 Aug 2018 18:14

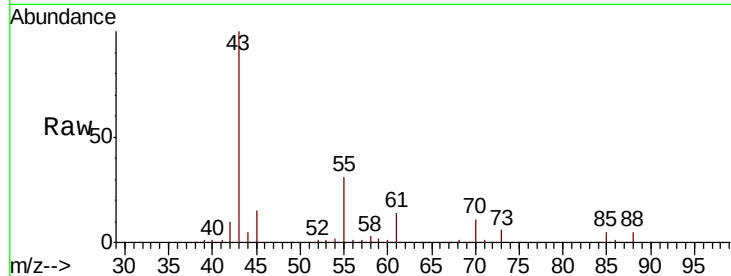
Instrument :
MSVOA_X
ClientSampled :
VX0805WBS01

Tot Ion:	43	Resp:	29734
Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.4	18.6
70	11.0	8.9	13.3

Manual Integrations
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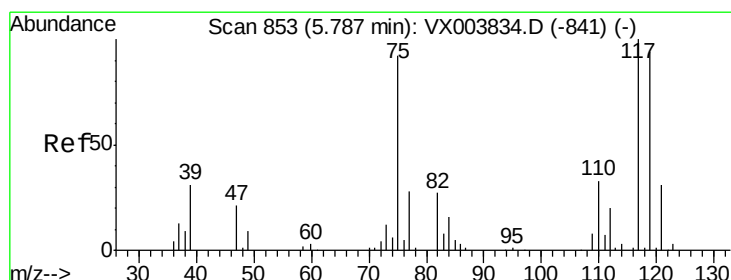
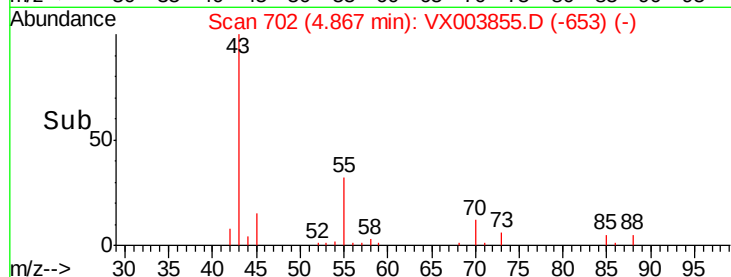
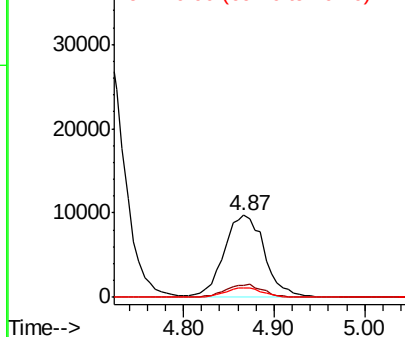


Abundance

Ion 43.00 (42.70 to 43.70): VX0

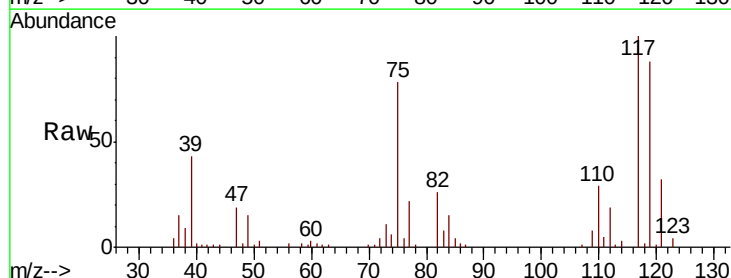
Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38
Carbon Tetrachloride
Concen: 19.50 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX003855.D
Acq: 03 Aug 2018 18:14

Tgt Ion:	117	Resp:	27328
Ion	Ratio	Lower	Upper
117	100		
119	88.4	74.6	112.0
121	32.1	24.4	36.6

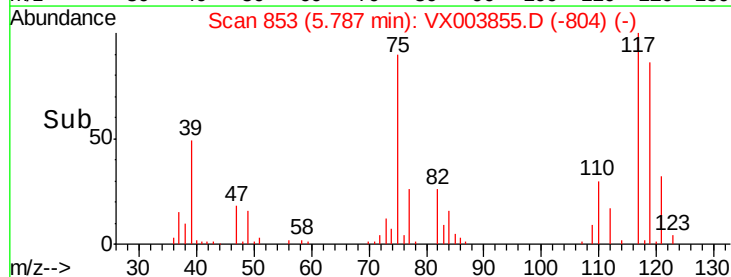
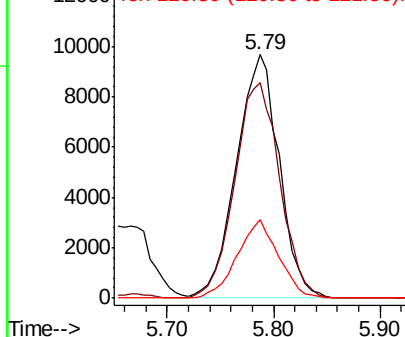


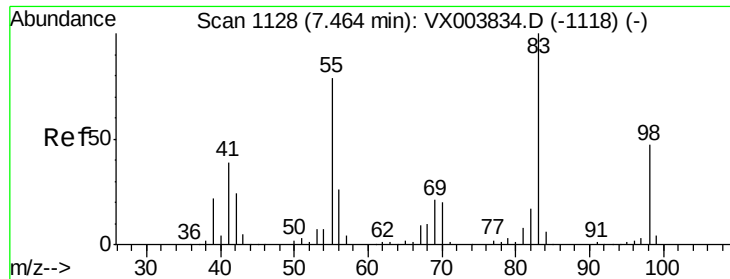
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#39
Methvlcvclohexane
Concen: 19.08 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003855.D
Acq: 03 Aug 2018 18:14

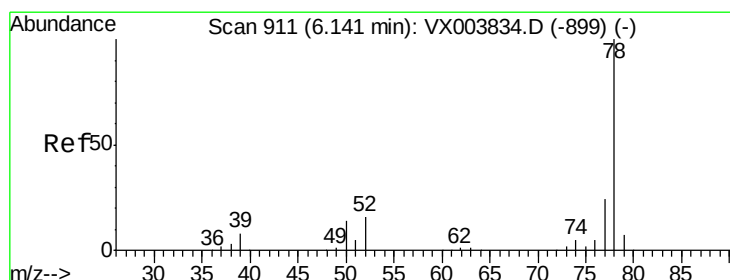
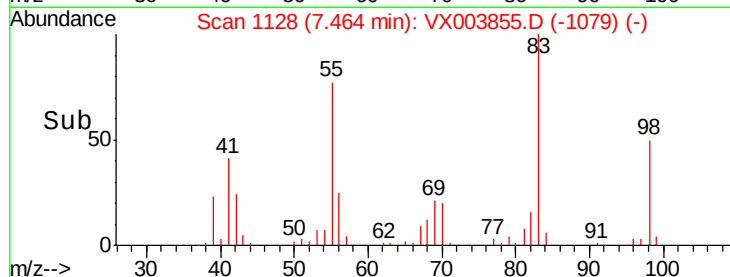
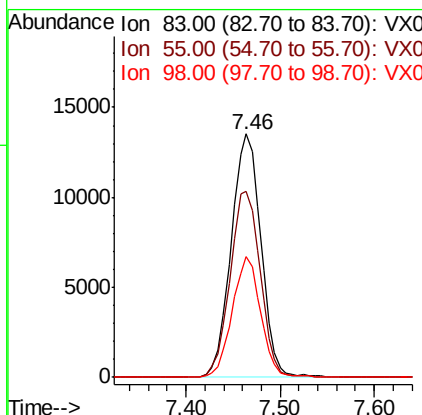
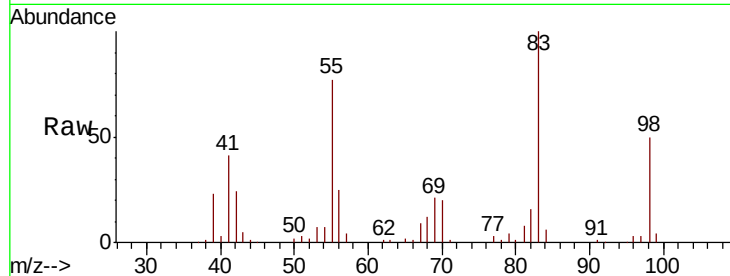
Instrument :
MSVOA_X
ClientSampled :
VX0805WBS01

Tot Ion	83	Resp	29709
Ion Ratio	100	Lower	Upper
83	100		
55	76.5	63.1	94.7
98	49.5	37.5	56.3

Manual Integrations
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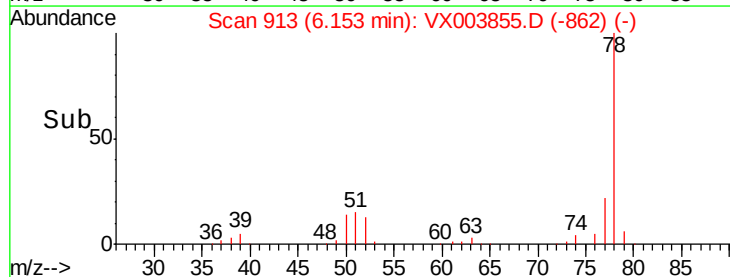
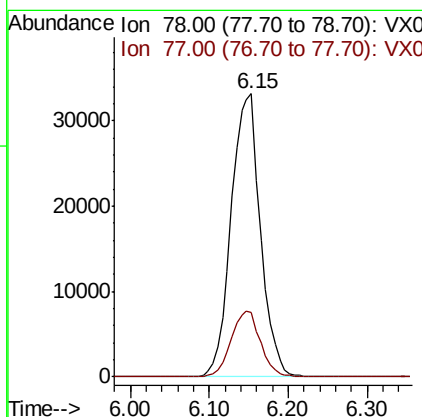
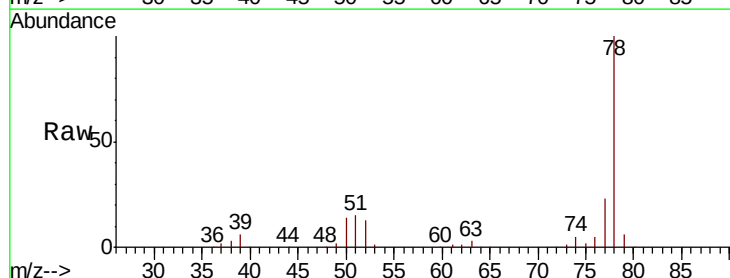
MMDadoda

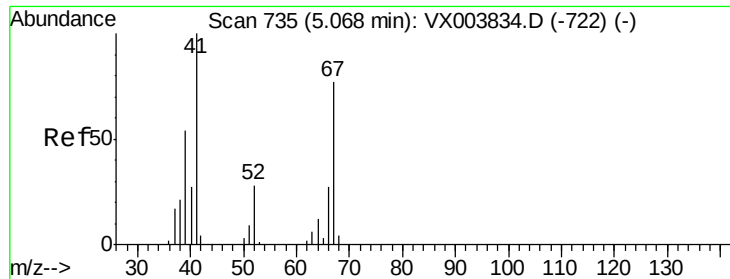
8/6/2018 10:47:39 AM



#40
Benzene
Concen: 19.33 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.01 min
Lab File: VX003855.D
Acq: 03 Aug 2018 18:14

Tgt Ion	78	Resp	85408
Ion Ratio	100	Lower	Upper
78	100		
77	22.7	18.9	28.3





#41
Methacrylonitrile
Concen: 20.16 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003855.D
Acq: 03 Aug 2018 18:14

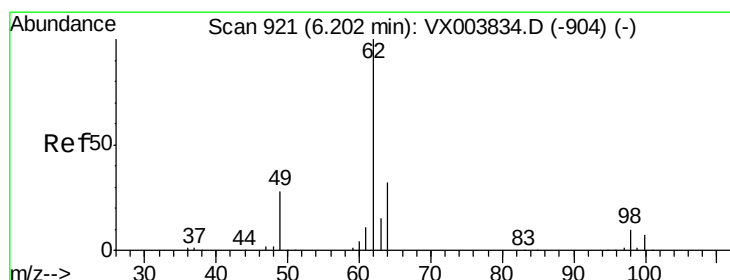
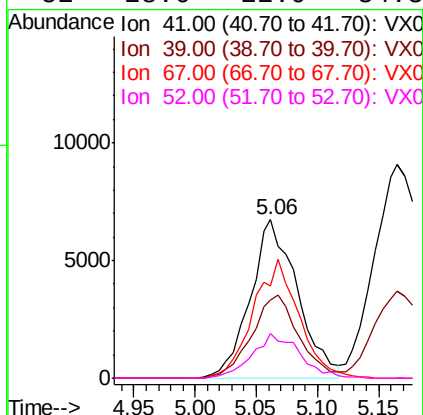
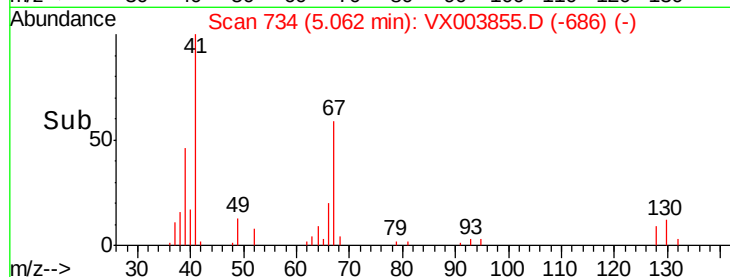
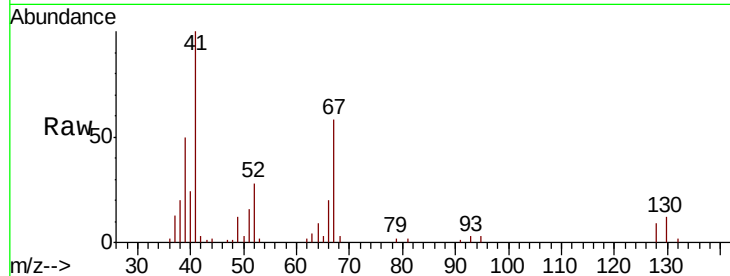
Instrument :
MSVOA_X
ClientSampled :
VX0805WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		18030		
39	52.9	42.5	63.7		
67	72.5	58.8	88.2		
52	28.6	22.9	34.3		

Manual Integrations
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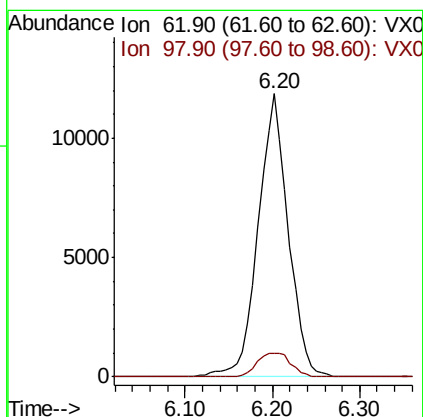
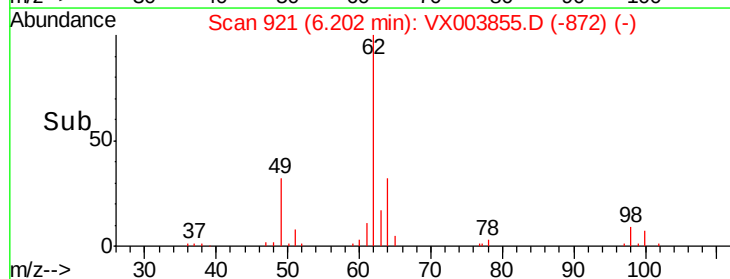
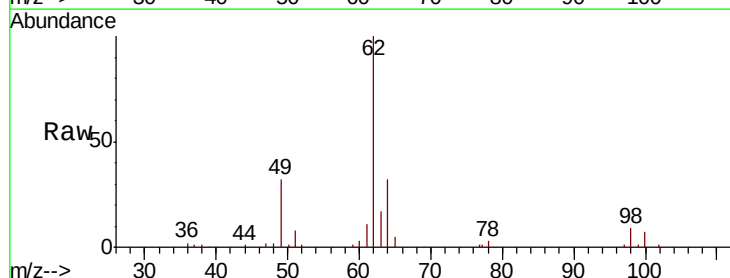
MMDadoda

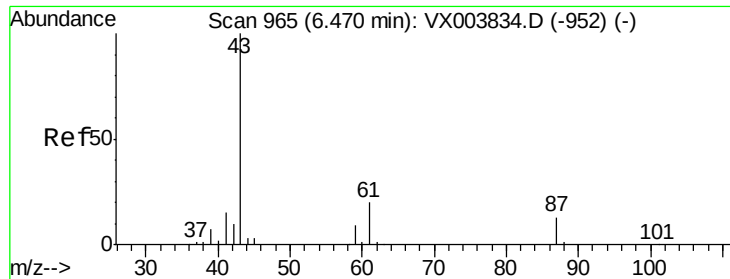
8/6/2018 10:47:39 AM



#42
1,2-Dichloroethane
Concen: 19.03 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX003855.D
Acq: 03 Aug 2018 18:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		28222		
98	9.5	0.0	19.6		





#43

Isopropyl Acetate

Concen: 17.52 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX003855.D

Acq: 03 Aug 2018 18:14

Instrument :

MSVOA_X

ClientSampled :

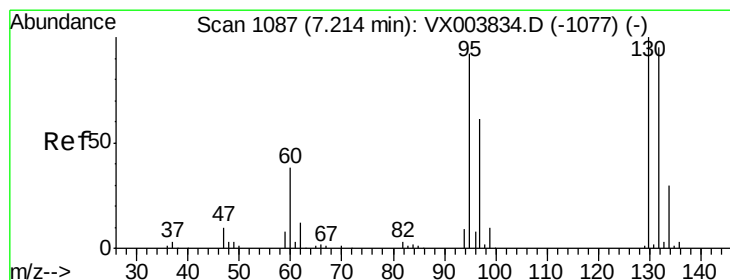
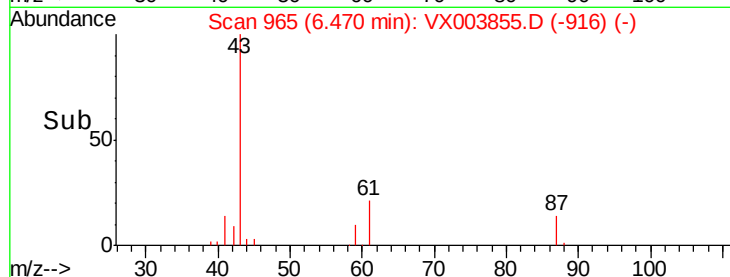
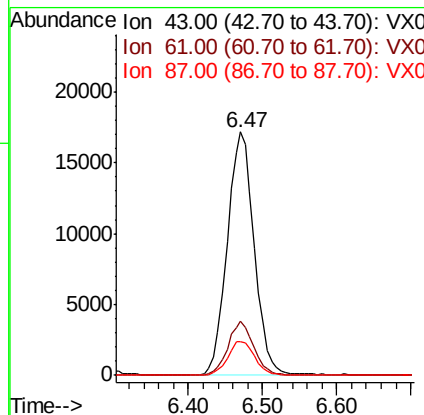
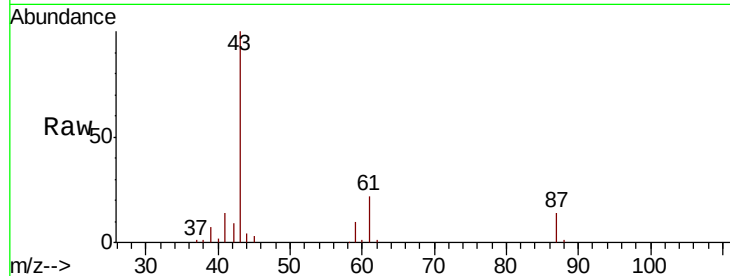
VX0805WBS01

Tot Ion:	43	Resp:	43516
Ion	Ratio	Lower	Upper
43	100		
61	21.1	16.7	25.1
87	13.9	10.8	16.2

Manual Integrations
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MMDadoda

8/6/2018 10:47:39 AM



#44

Trichloroethene

Concen: 19.19 ug/l

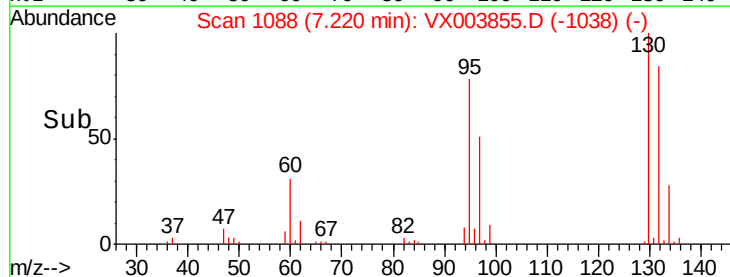
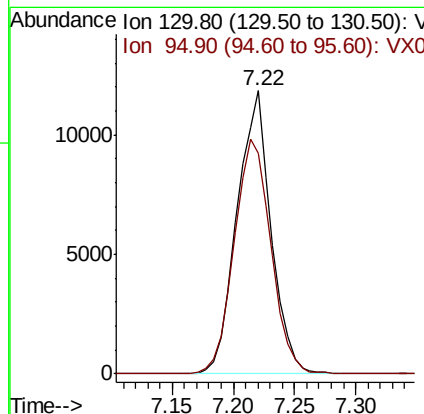
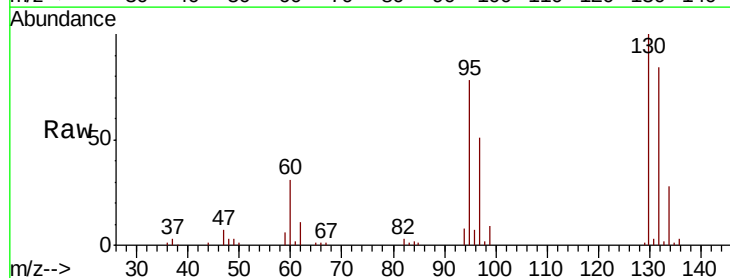
RT: 7.22 min Scan# 1088

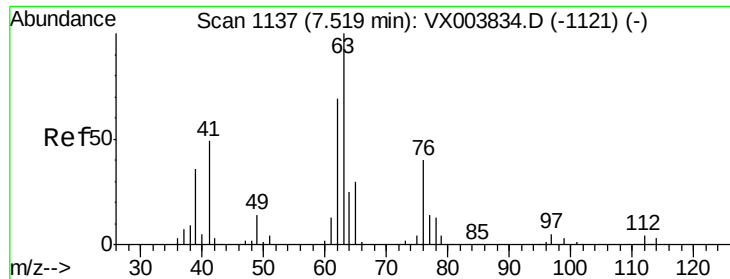
Delta R.T. 0.01 min

Lab File: VX003855.D

Acq: 03 Aug 2018 18:14

Tgt Ion:	130	Resp:	22748
Ion	Ratio	Lower	Upper
130	100		
95	78.0	0.0	184.8





#45
 1,2-Dichloropropane
 Concen: 17.99 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX003855.D
 Acq: 03 Aug 2018 18:14

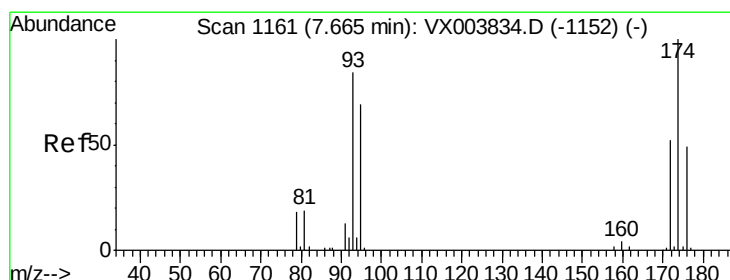
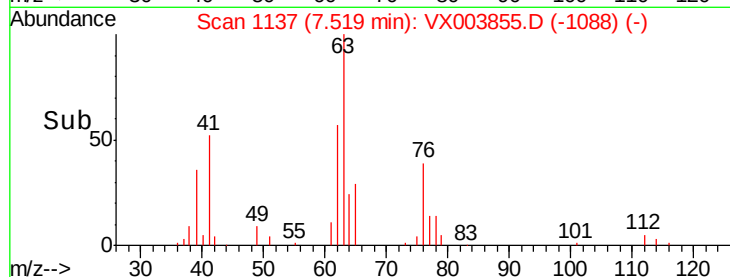
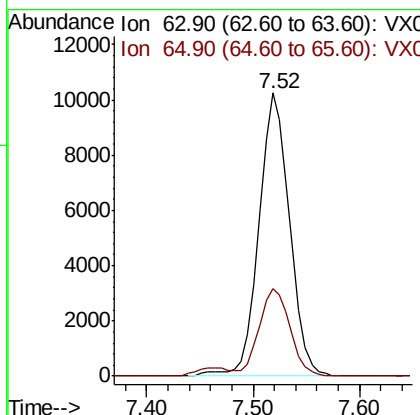
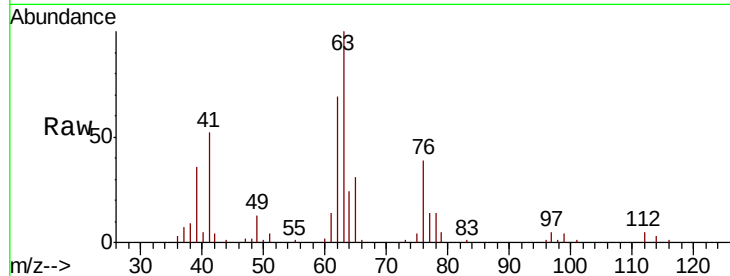
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0805WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.2	36.4

Manual Integrations
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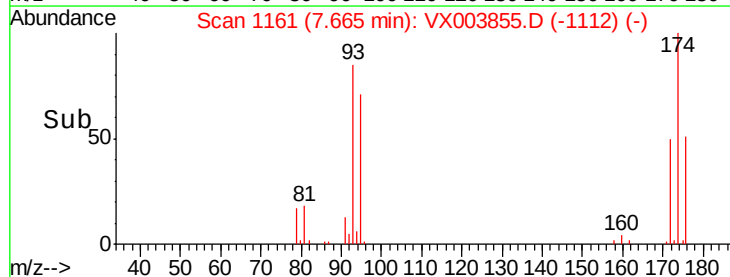
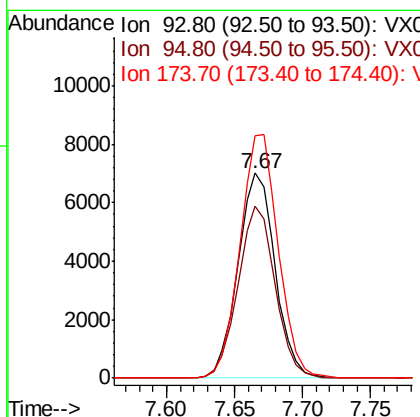
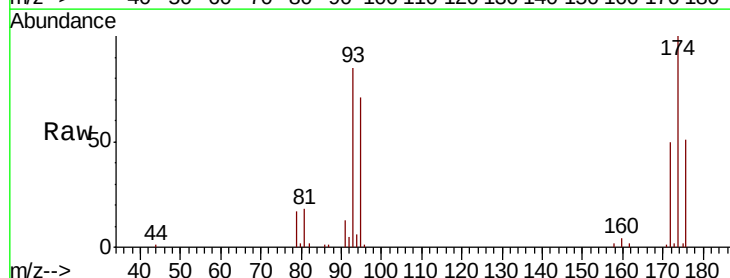
MMDadoda

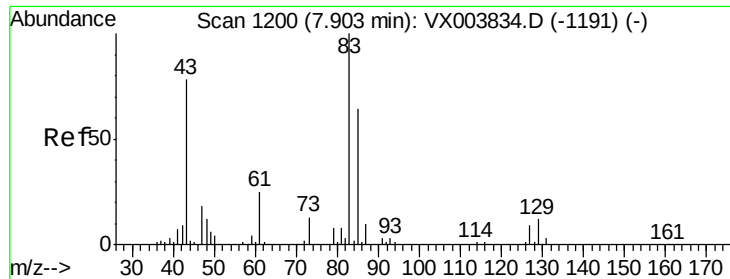
8/6/2018 10:47:39 AM



#46
 Dibromomethane
 Concen: 18.06 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX003855.D
 Acq: 03 Aug 2018 18:14

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	67.0	100.6
174	122.4	97.4	146.2





#47

Bromodichloromethane

Concen: 17.67 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003855.D

Acq: 03 Aug 2018 18:14

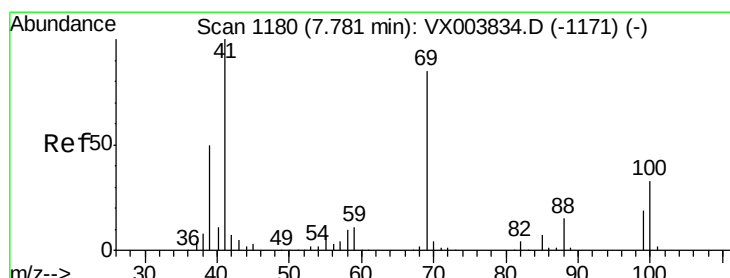
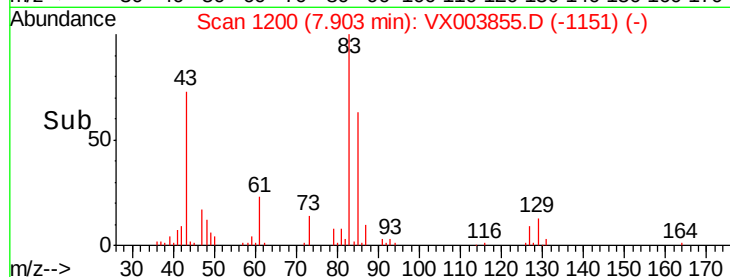
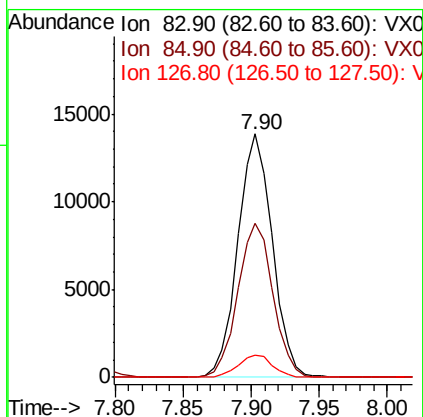
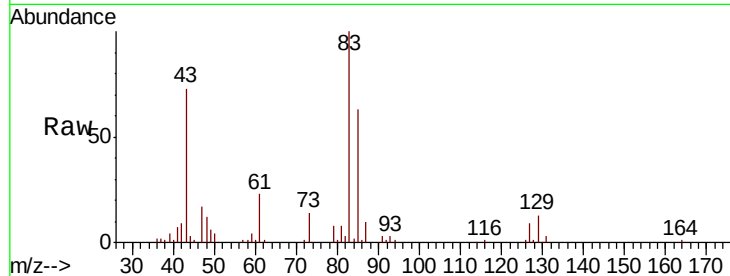
Tot Ion:	83	Resp:	24546
Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.4	77.2
127	8.9	7.0	10.6

Instrument :
MSVOA_X
ClientSampleId :
VX0805WBS01

Manual Integrations
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8/6/2018 10:47:39 AM



#48

Methyl methacrylate

Concen: 17.62 ug/l

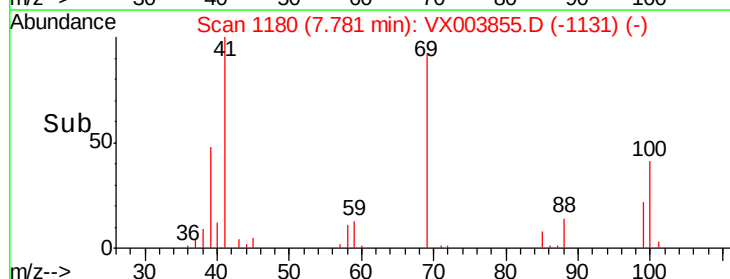
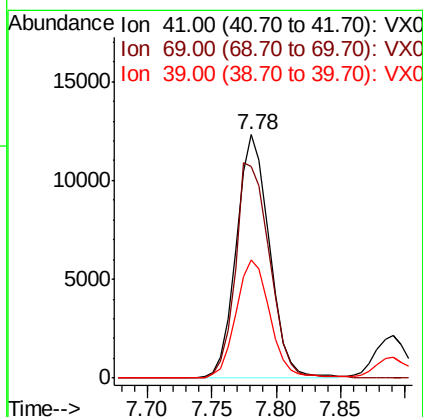
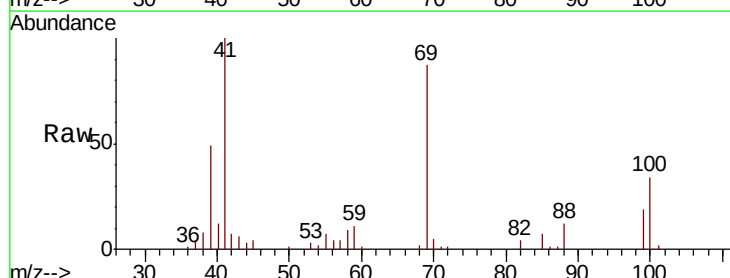
RT: 7.78 min Scan# 1180

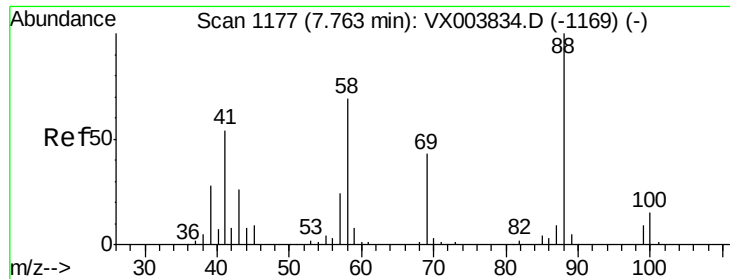
Delta R.T. -0.00 min

Lab File: VX003855.D

Acq: 03 Aug 2018 18:14

Tgt Ion:	41	Resp:	22042
Ion	Ratio	Lower	Upper
41	100		
69	91.0	70.2	105.4
39	49.7	40.9	61.3





#49
1,4-Dioxane
Concen: 357.84 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VX003855.D
Acq: 03 Aug 2018 18:14

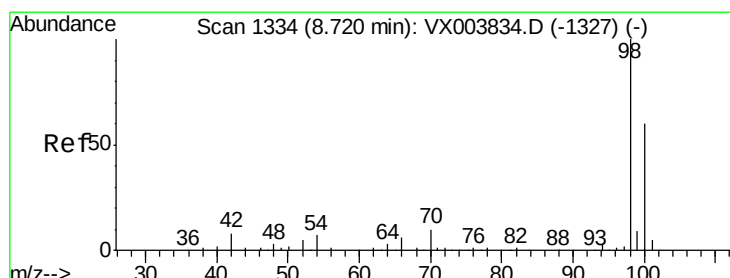
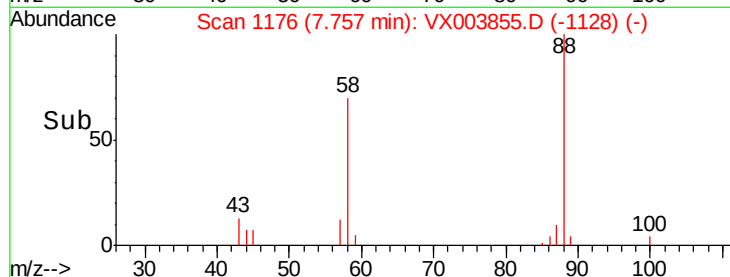
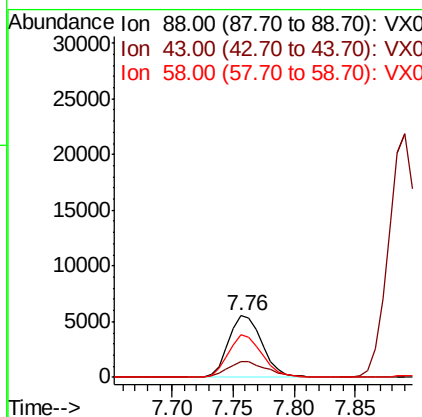
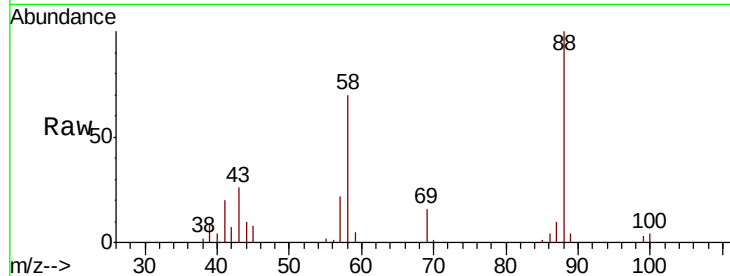
Instrument :
MSVOA_X
ClientSampled :
VX0805WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.3	24.4	36.6
58	69.8	56.5	84.7

Manual Integrations
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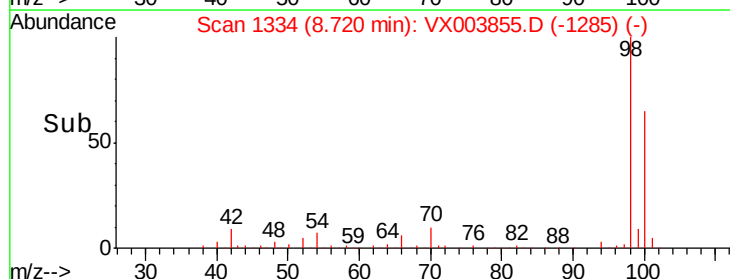
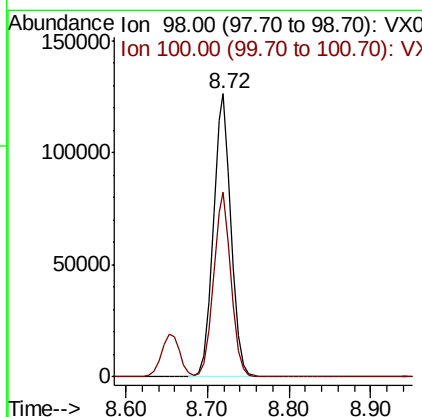
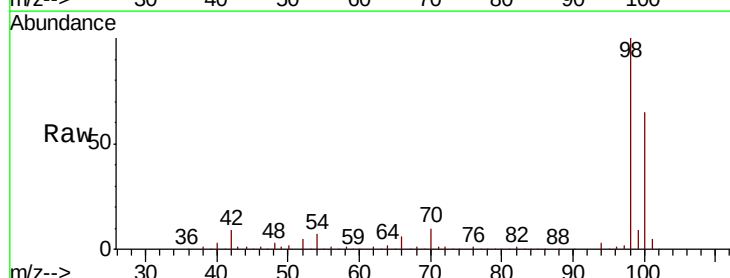
MMDadoda

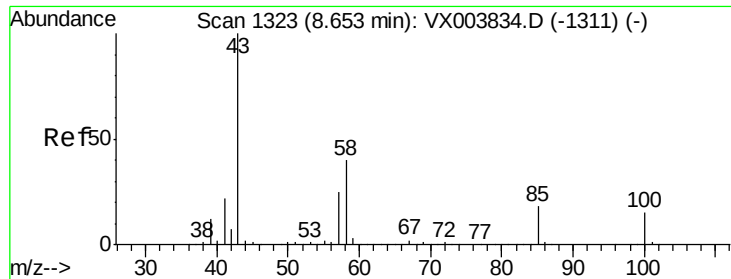
8/6/2018 10:47:39 AM



#50
Toluene-d8
Concen: 48.30 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX003855.D
Acq: 03 Aug 2018 18:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.4	77.2





#51
4-Methyl-2-Pentanone
Concen: 88.17 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX003855.D
Acq: 03 Aug 2018 18:14

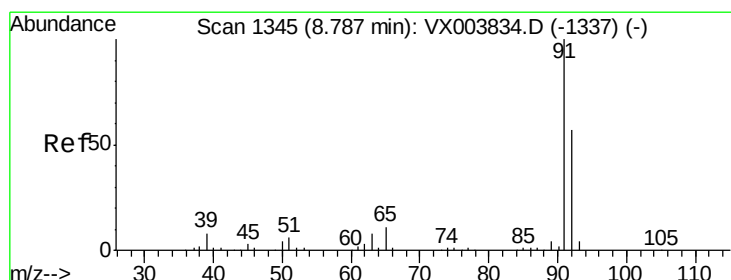
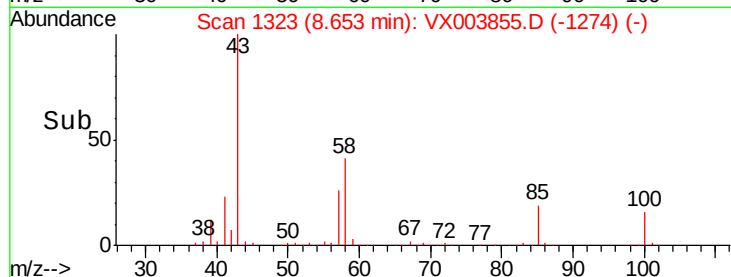
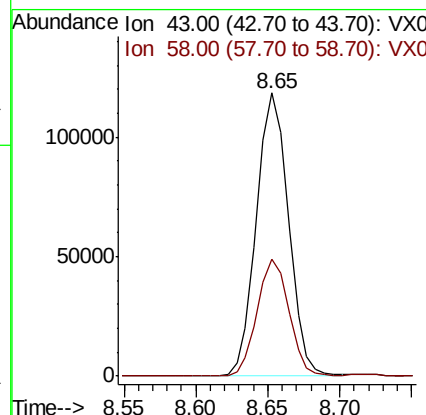
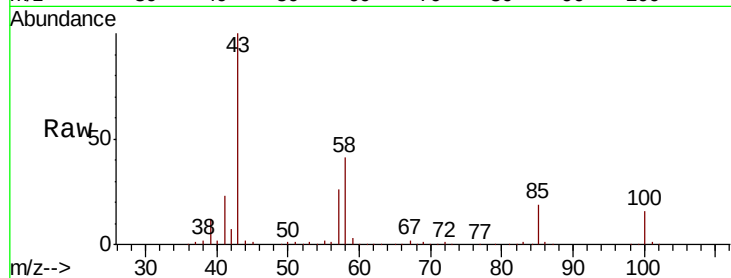
Instrument :
MSVOA_X
ClientSampleId :
VX0805WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.9	32.2	48.2

Manual Integrations
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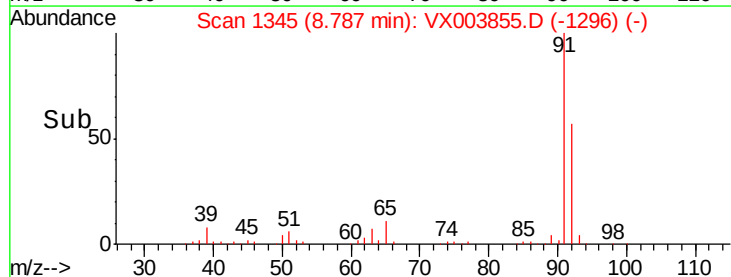
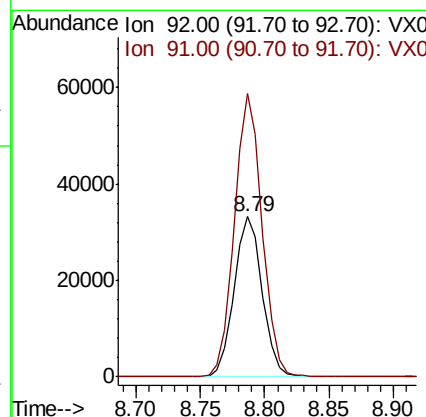
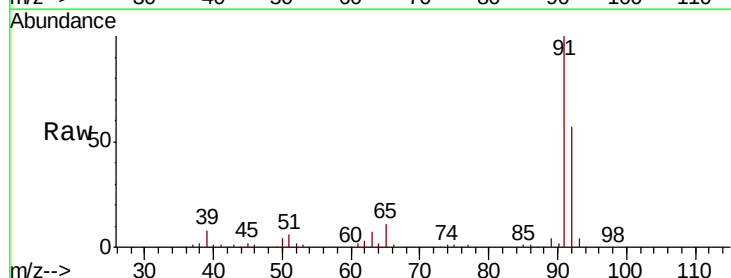
MMDadoda

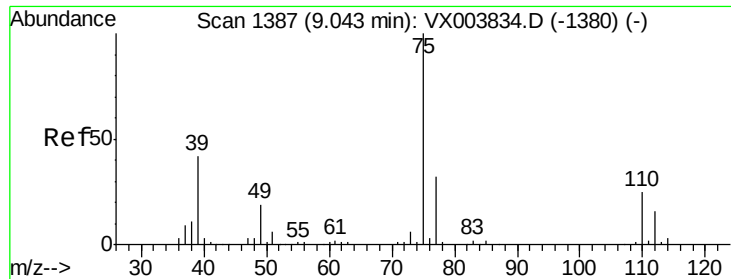
8/6/2018 10:47:39 AM



#52
Toluene
Concen: 18.68 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX003855.D
Acq: 03 Aug 2018 18:14

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.5	140.2	210.2





#53
t-1,3-Dichloropropene
Concen: 18.14 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX003855.D
Acq: 03 Aug 2018 18:14

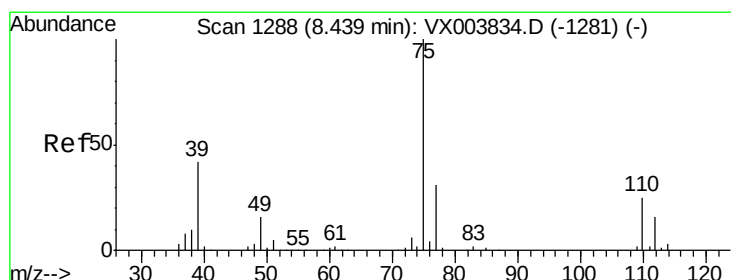
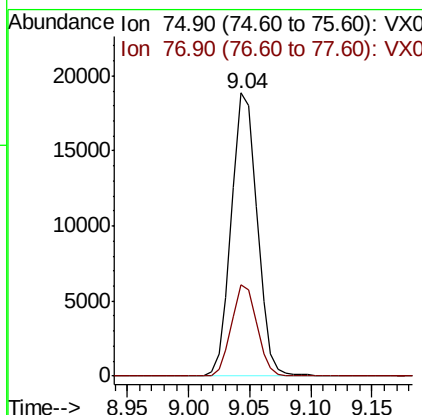
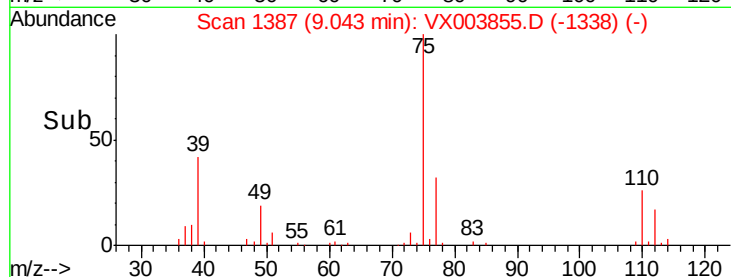
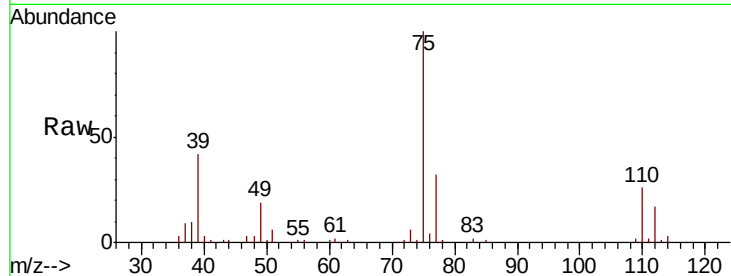
Instrument :
MSVOA_X
ClientSampleId :
VX0805WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.3	37.9

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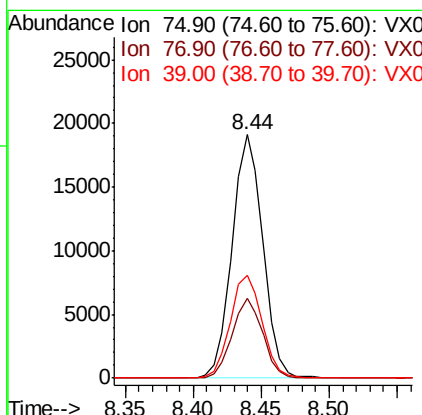
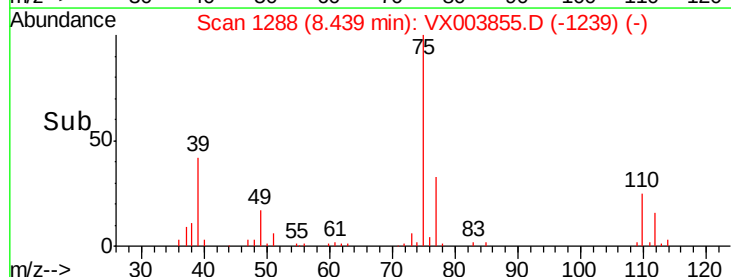
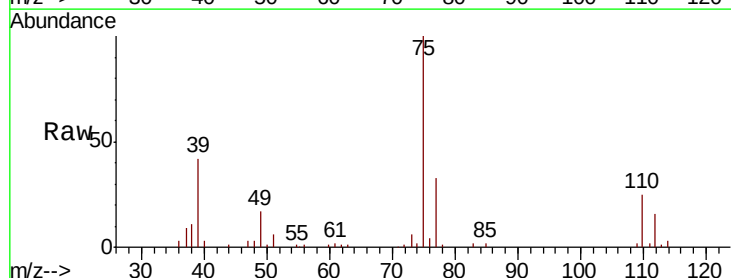
MMDadoda

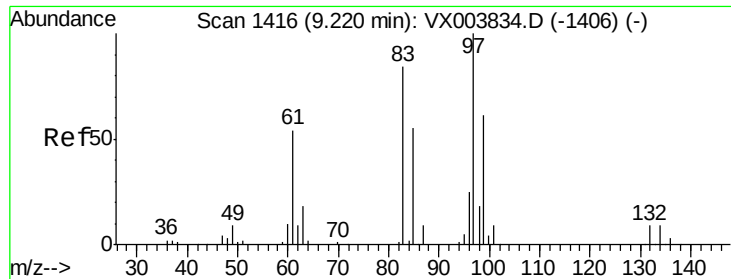
8/6/2018 10:47:39 AM



#54
cis-1,3-Dichloropropene
Concen: 18.19 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX003855.D
Acq: 03 Aug 2018 18:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.2	37.8
39	42.2	33.5	50.3





#55
 1,1,2-Trichloroethane
 Concen: 18.13 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003855.D
 Acq: 03 Aug 2018 18:14

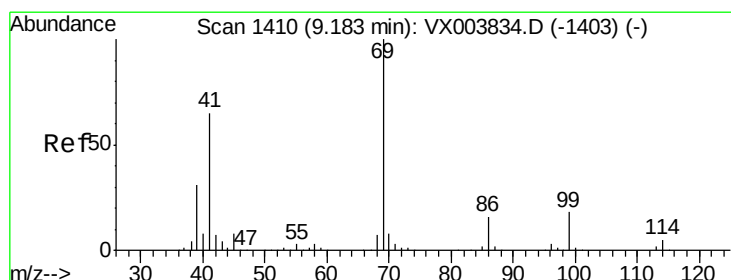
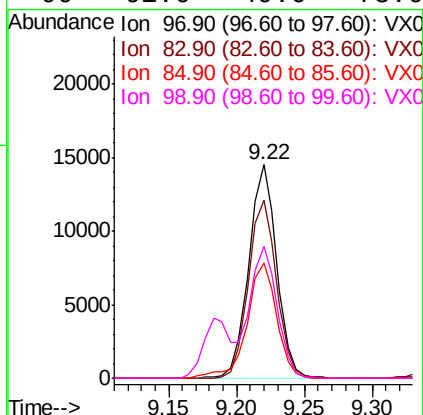
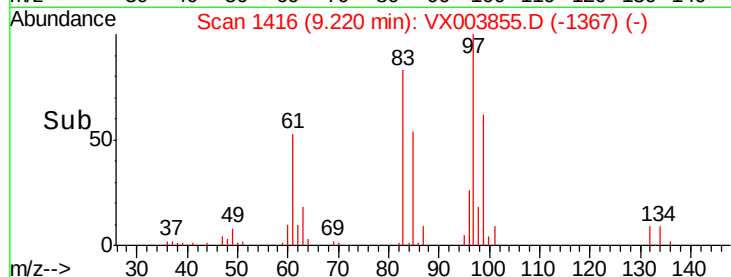
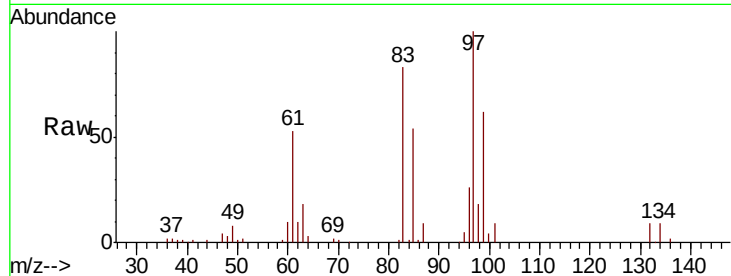
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0805WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		20908		
83	83.1	67.4	101.2		
85	54.0	43.9	65.9		
99	61.6	49.0	73.6		

Manual Integrations
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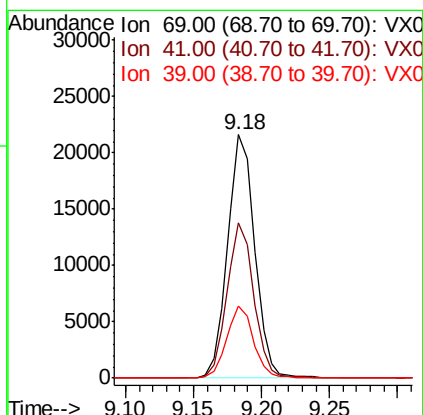
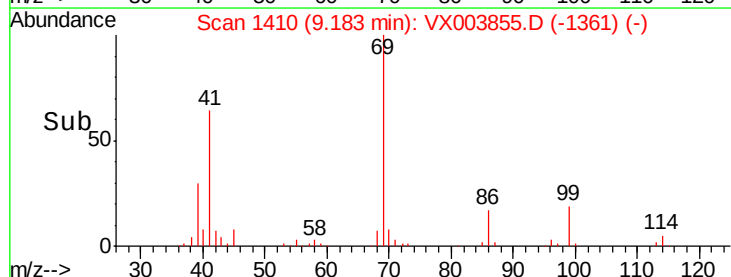
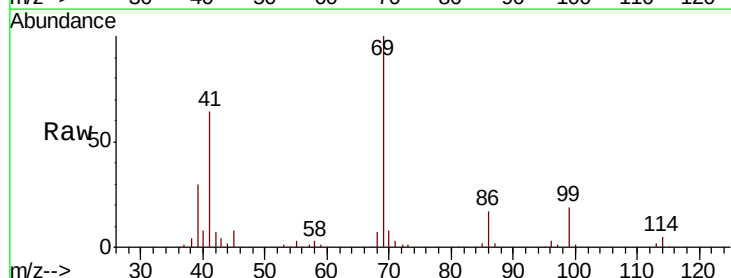
MMDadoda

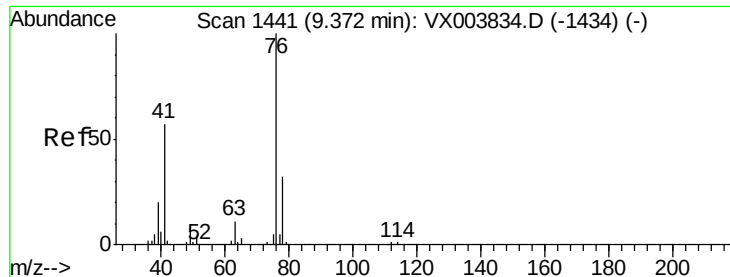
8/6/2018 10:47:39 AM



#56
 Ethyl methacrylate
 Concen: 18.56 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX003855.D
 Acq: 03 Aug 2018 18:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		29964		
41	62.8	51.1	76.7		
39	29.5	24.7	37.1		





#57

1,3-Dichloropropane

Concen: 18.03 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.01 min

Lab File: VX003855.D

Acq: 03 Aug 2018 18:14

Instrument :

MSVOA_X

ClientSampled :

VX0805WBS01

Tot Ion: 76 Resp: 33832

Ion Ratio Lower Upper

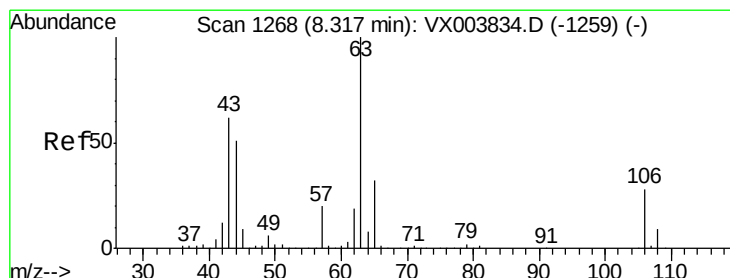
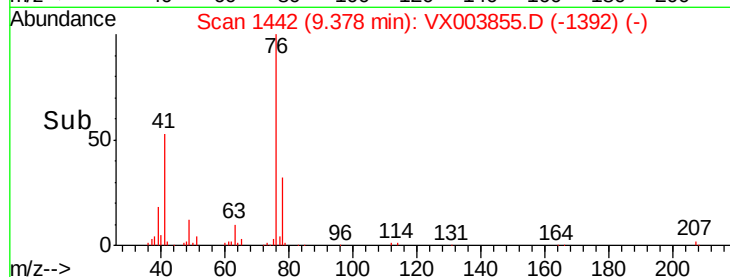
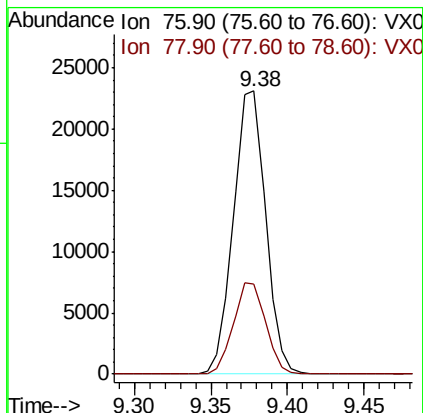
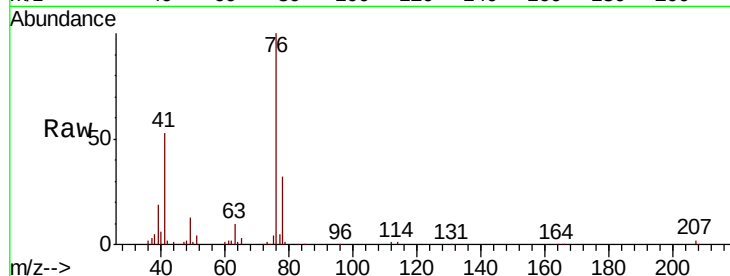
76 100

78 32.3 25.7 38.5

Manual Integrations
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MMDadoda

8/6/2018 10:47:39 AM



#58

2-Chloroethyl Vinyl ether

Concen: 95.62 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX003855.D

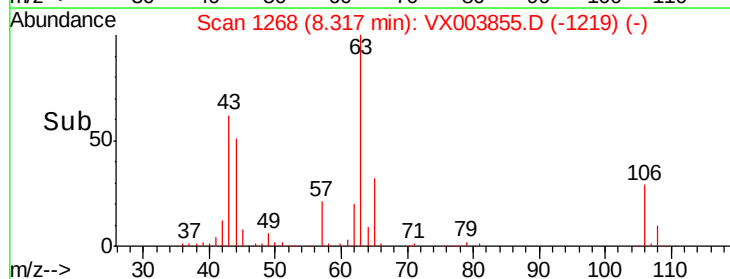
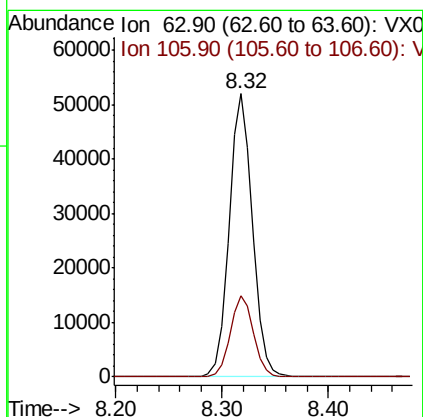
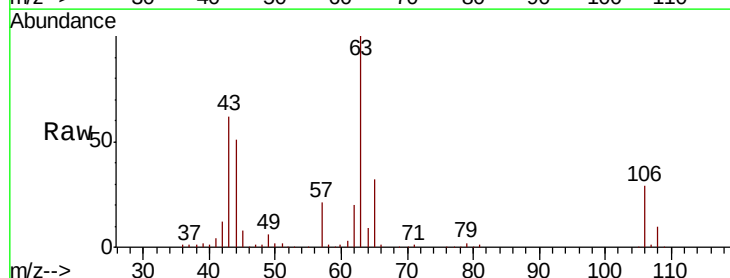
Acq: 03 Aug 2018 18:14

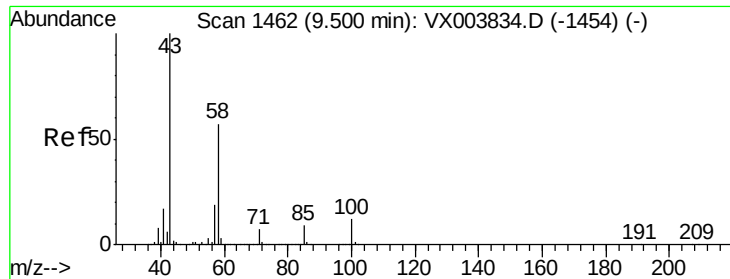
Tgt Ion: 63 Resp: 79382

Ion Ratio Lower Upper

63 100

106 28.6 22.6 34.0





#59
2-Hexanone
Concen: 88.74 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003855.D
Acq: 03 Aug 2018 18:14

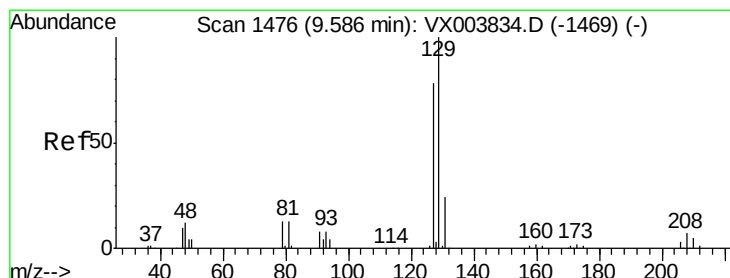
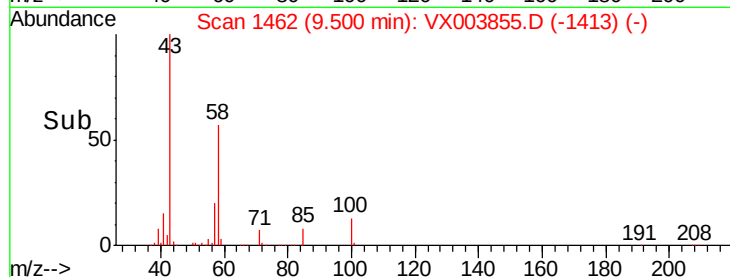
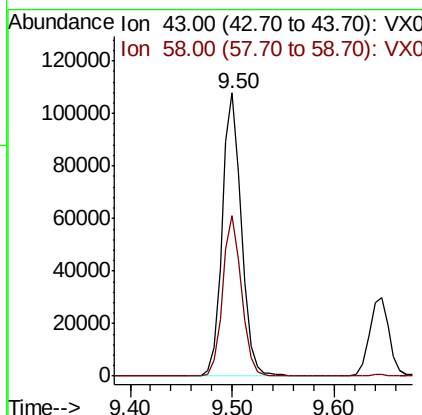
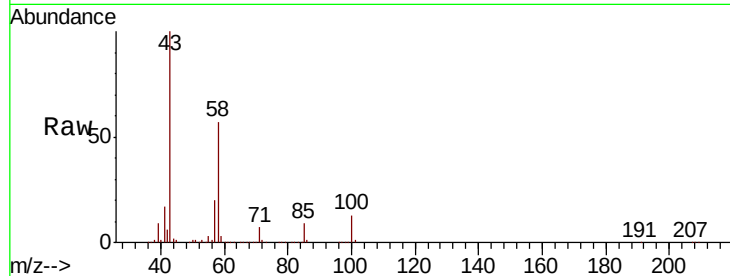
Instrument :
MSVOA_X
ClientSampleId :
VX0805WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.1	28.2	84.7

Manual Integrations
APPROVED

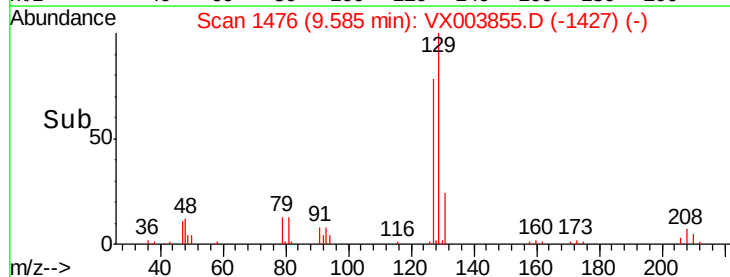
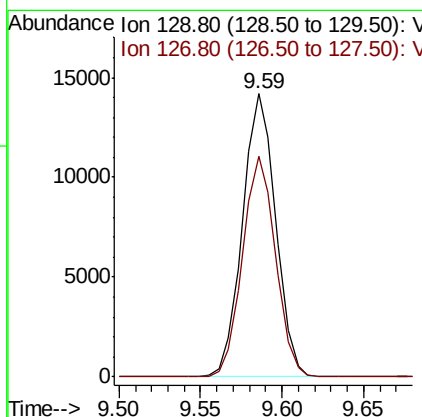
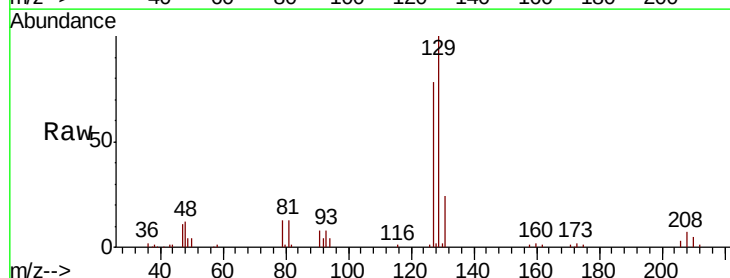
MMDadoda

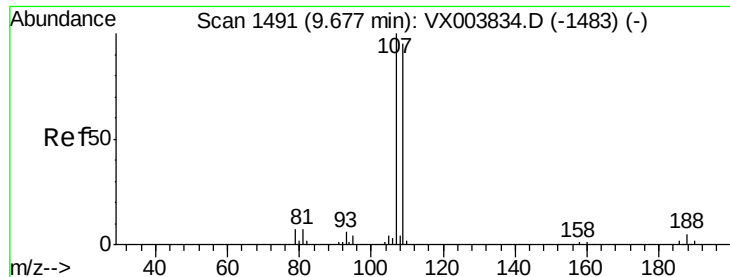
8/6/2018 10:47:39 AM



#60
Dibromochloromethane
Concen: 17.82 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003855.D
Acq: 03 Aug 2018 18:14

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.0	116.9





#61
 1,2-Dibromoethane
 Concen: 18.41 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. -0.00 min
 Lab File: VX003855.D
 Acq: 03 Aug 2018 18:14

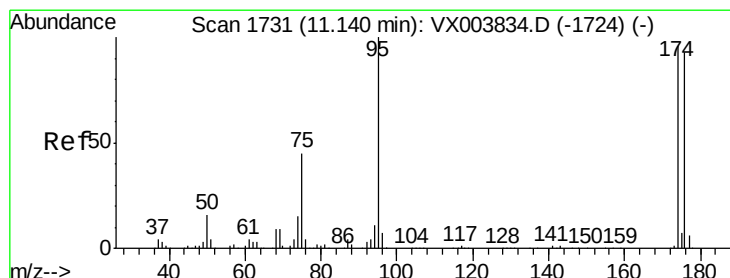
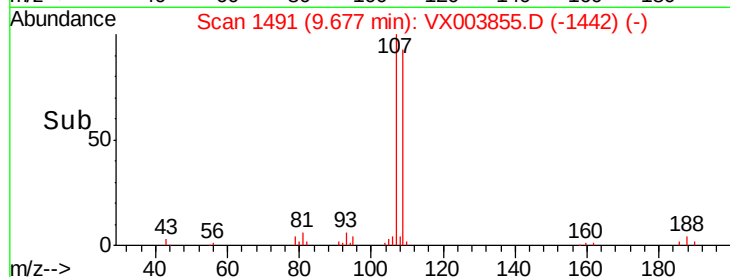
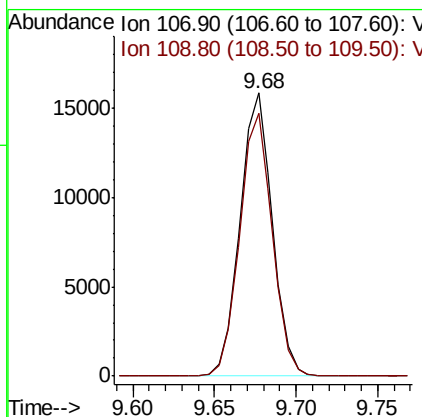
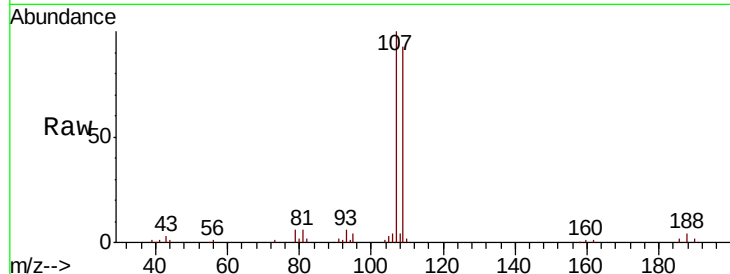
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0805WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.8	113.8

Manual Integrations
 APPROVED

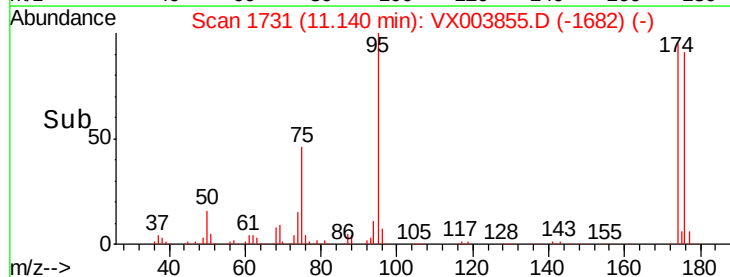
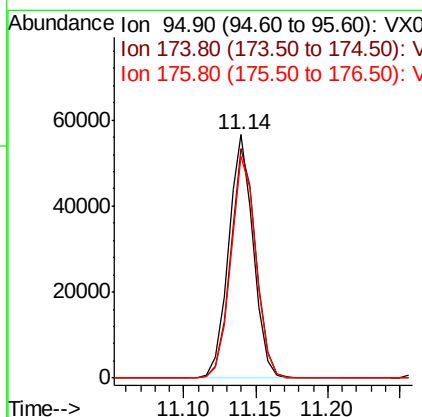
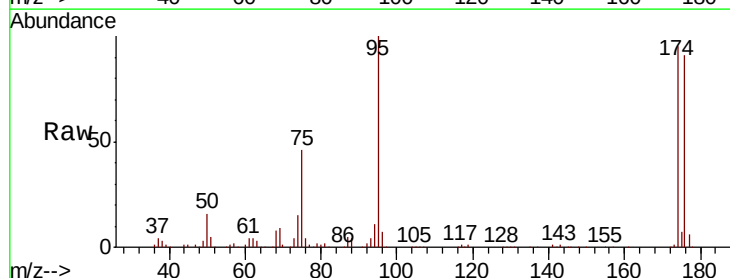
MMDadoda

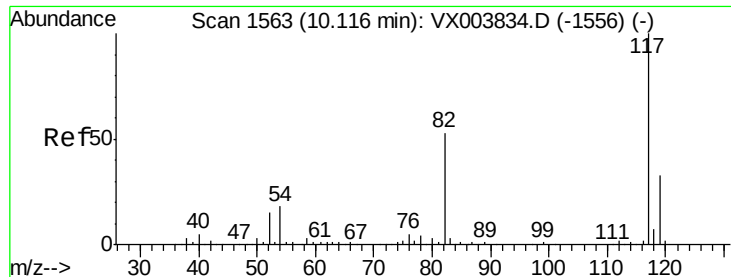
8/6/2018 10:47:39 AM



#62
 4-Bromofluorobenzene
 Concen: 47.21 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX003855.D
 Acq: 03 Aug 2018 18:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.0	0.0	192.2
176	92.8	0.0	185.8





#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003855.D
Acq: 03 Aug 2018 18:14

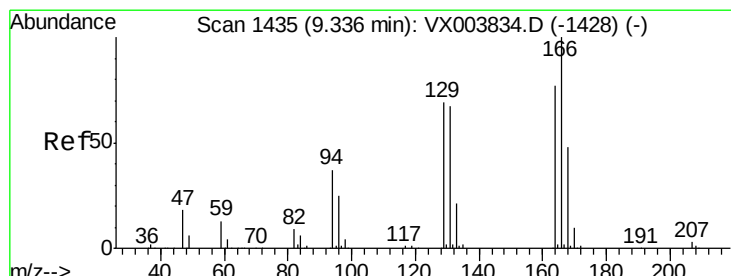
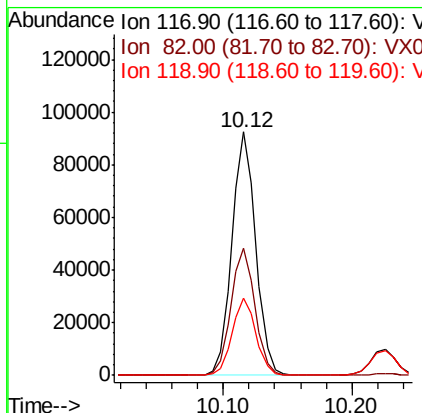
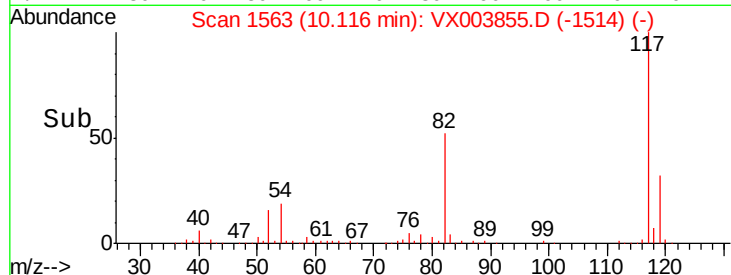
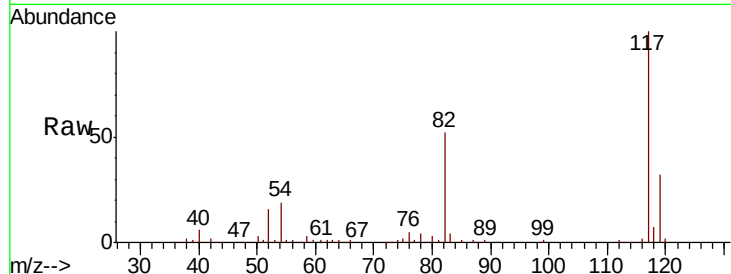
Instrument :
MSVOA_X
ClientSampleId :
VX0805WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	42.2	63.4
119	32.0	26.2	39.2

Manual Integrations
APPROVED

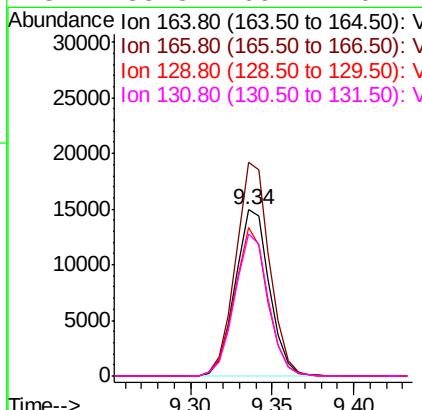
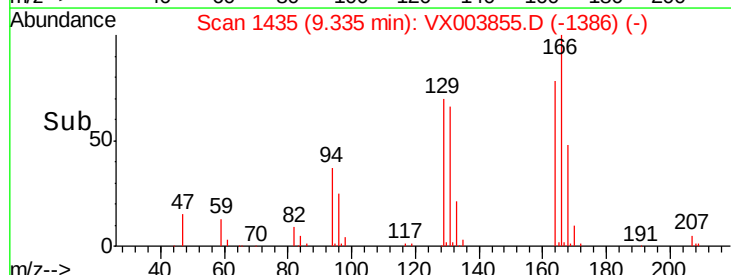
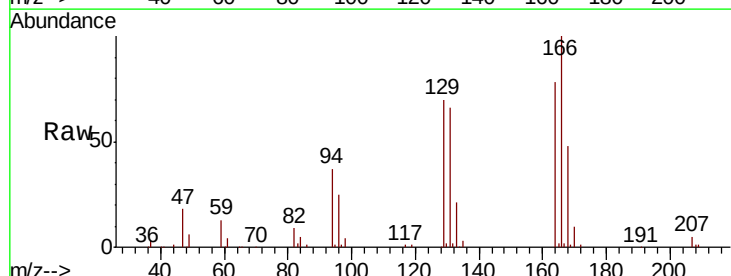
MMDadoda

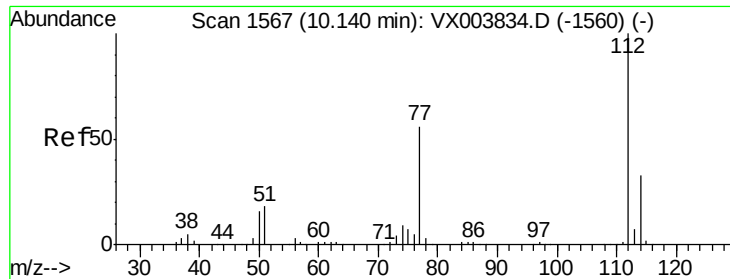
8/6/2018 10:47:39 AM



#64
Tetrachloroethene
Concen: 20.13 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX003855.D
Acq: 03 Aug 2018 18:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	103.7	155.5
129	89.5	71.9	107.9
131	85.3	69.4	104.2





#65
Chlorobenzene
Concen: 19.49 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003855.D
Acq: 03 Aug 2018 18:14

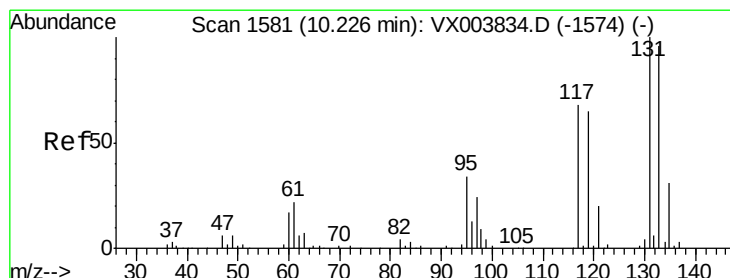
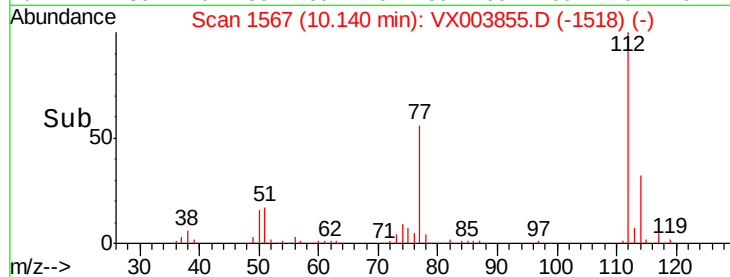
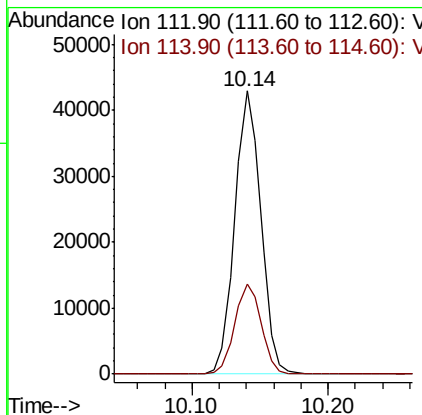
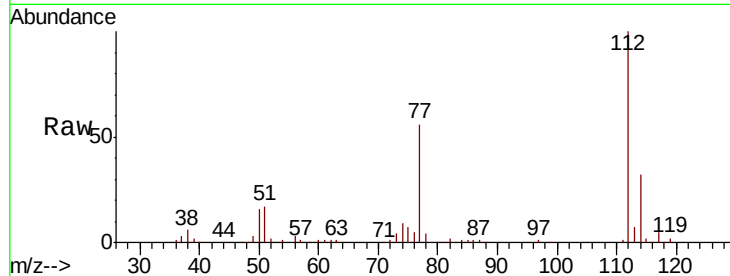
Instrument :
MSVOA_X
ClientSampleId :
VX0805WBS01

Tot Ion:112 Resp: 57323
Ion Ratio Lower Upper
112 100
114 32.0 26.2 39.4

Manual Integrations
APPROVED

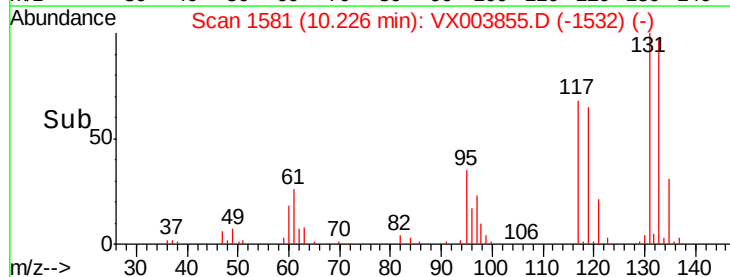
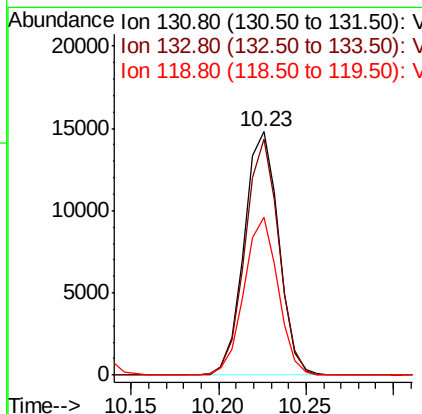
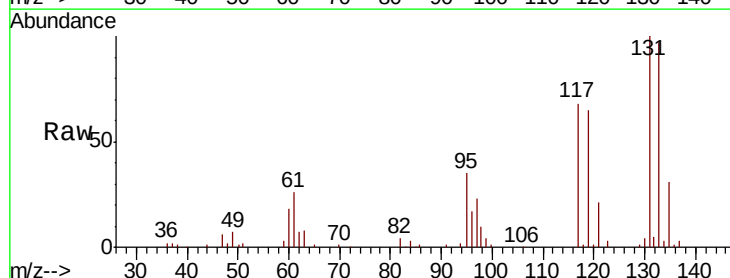
MMDadoda

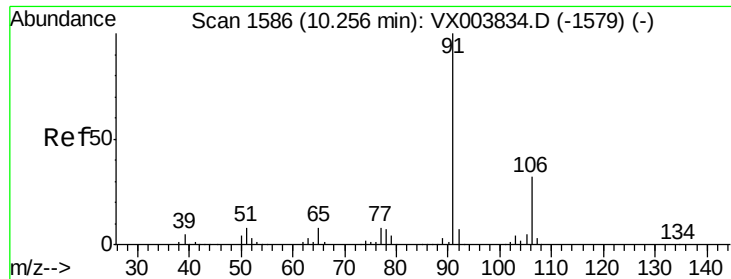
8/6/2018 10:47:39 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.67 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX003855.D
Acq: 03 Aug 2018 18:14

Tgt Ion:131 Resp: 20372
Ion Ratio Lower Upper
131 100
133 94.8 47.9 143.8
119 63.7 32.8 98.3





#67

Ethyl Benzene

Concen: 20.09 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX003855.D

Acq: 03 Aug 2018 18:14

Instrument :

MSVOA_X

ClientSampled :

VX0805WBS01

Tot Ion: 91 Resp: 94480

Ion Ratio Lower Upper

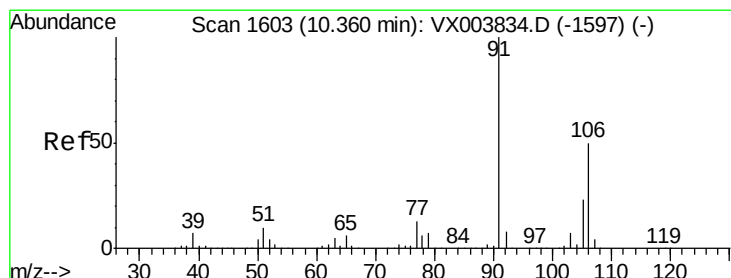
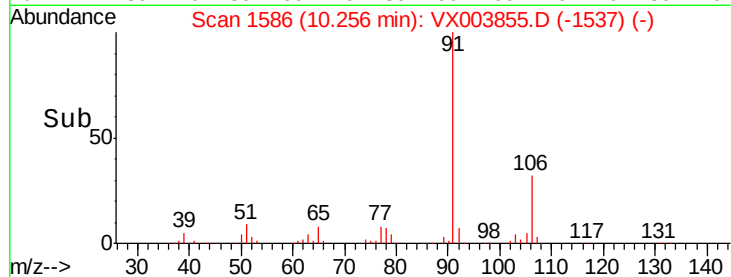
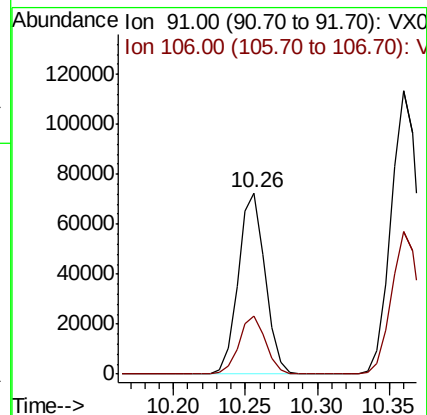
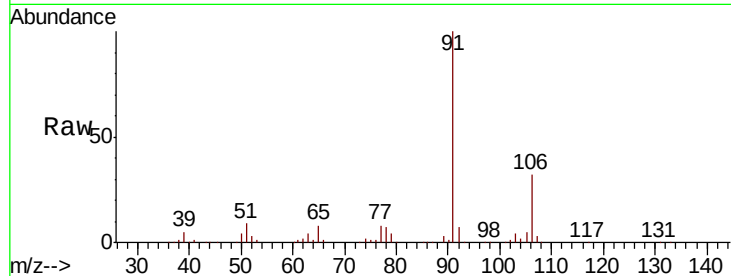
91 100

106 32.0 25.7 38.5

Manual Integrations
APPROVED

MMDadoda

8/6/2018 10:47:39 AM



#68

m/p-Xylenes

Concen: 41.00 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX003855.D

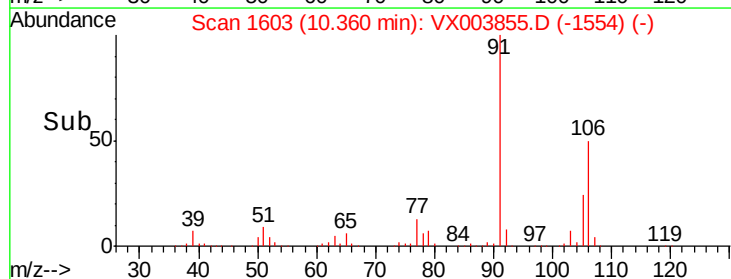
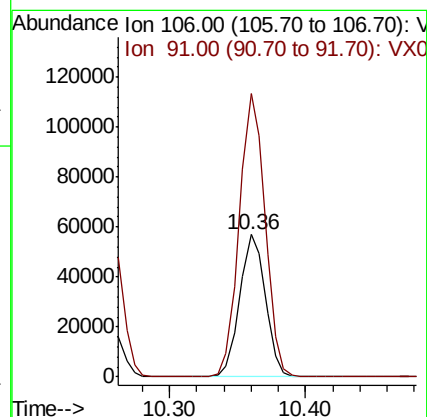
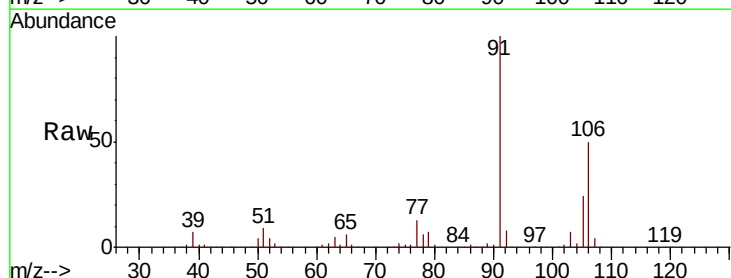
Acq: 03 Aug 2018 18:14

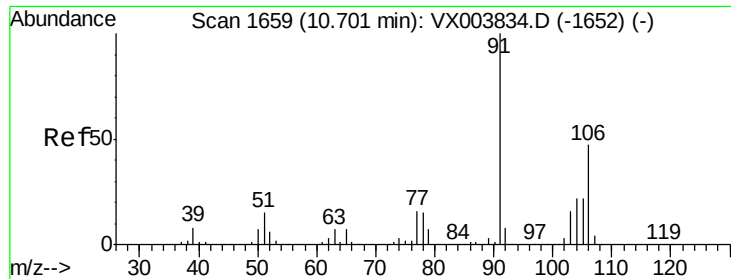
Tgt Ion: 106 Resp: 75374

Ion Ratio Lower Upper

106 100

91 199.1 161.3 241.9





#69
o-Xylene
Concen: 20.11 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003855.D
Acq: 03 Aug 2018 18:14

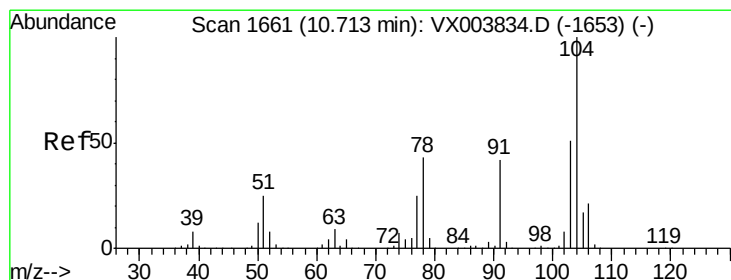
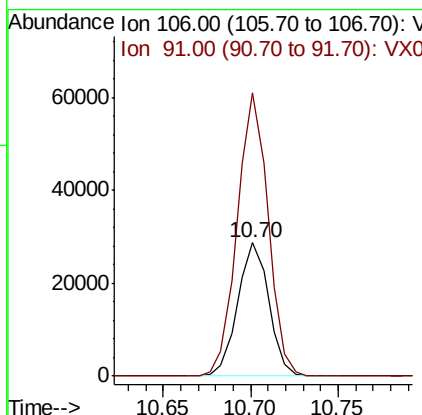
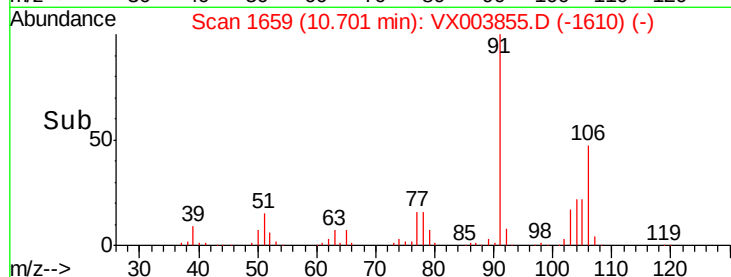
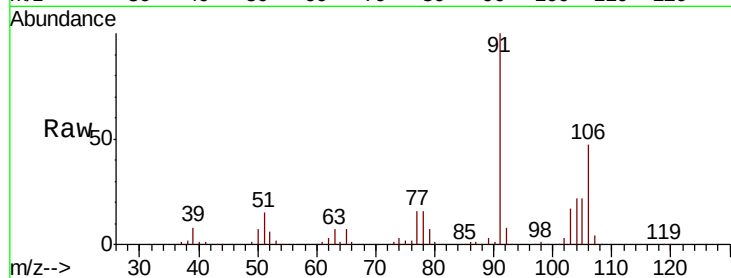
Instrument :
MSVOA_X
ClientSampleId :
VX0805WBS01

Tot Ion:106 Resp: 35639
Ion Ratio Lower Upper
106 100
91 210.8 105.7 317.1

Manual Integrations
APPROVED

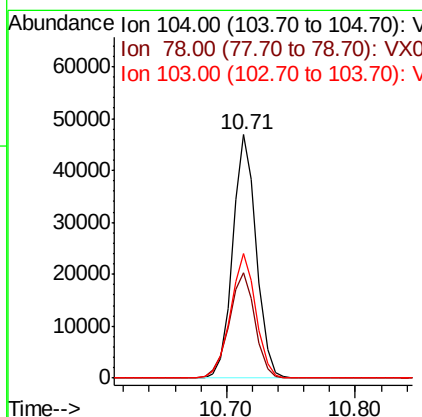
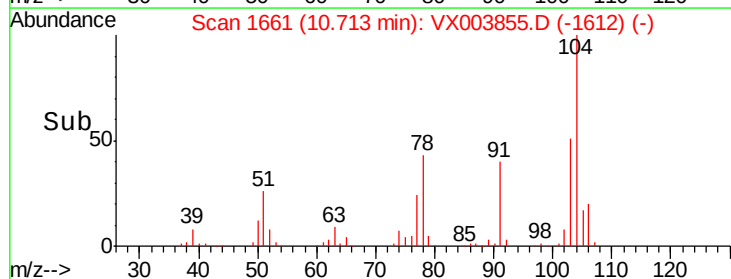
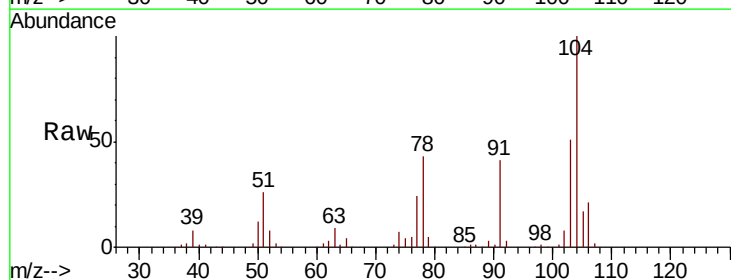
MMDadoda

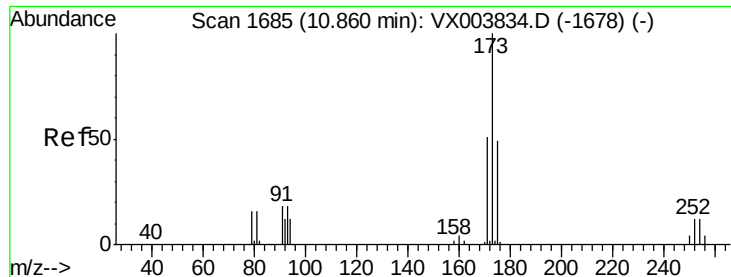
8/6/2018 10:47:39 AM



#70
Styrene
Concen: 20.38 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003855.D
Acq: 03 Aug 2018 18:14

Tgt Ion:104 Resp: 59985
Ion Ratio Lower Upper
104 100
78 47.6 37.8 56.8
103 55.2 44.2 66.4





#71
Bromoform
Concen: 18.45 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX003855.D
Acq: 03 Aug 2018 18:14

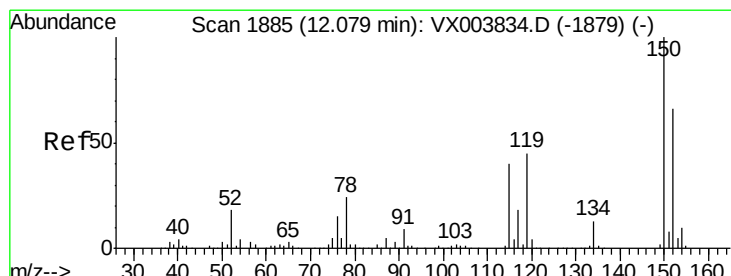
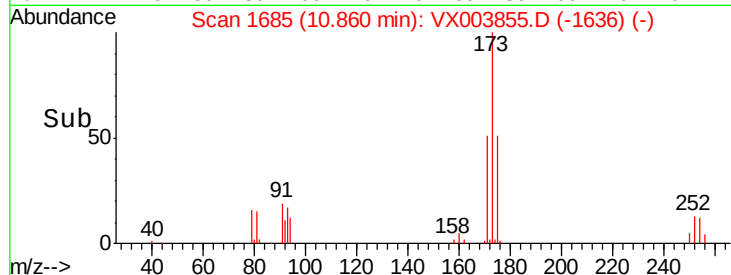
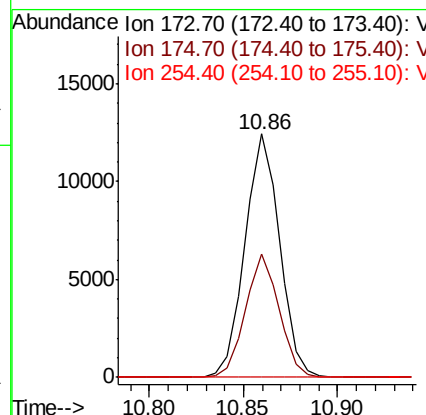
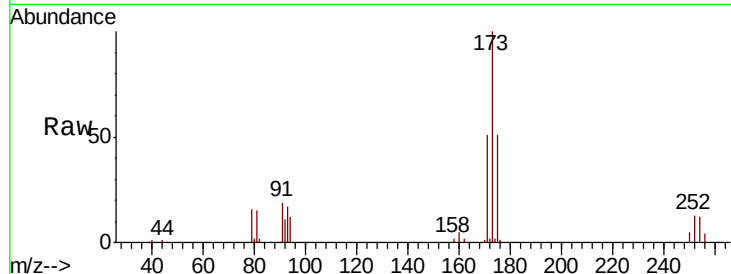
Instrument :
MSVOA_X
ClientSampleId :
VX0805WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.4	73.2
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

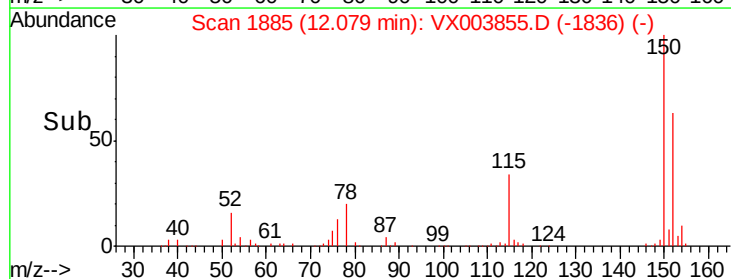
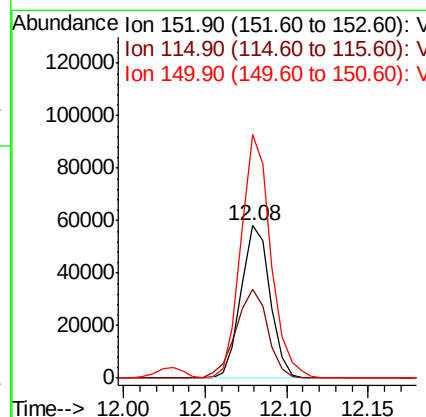
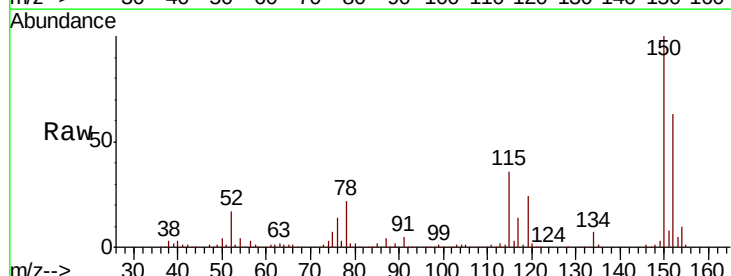
MMDadoda

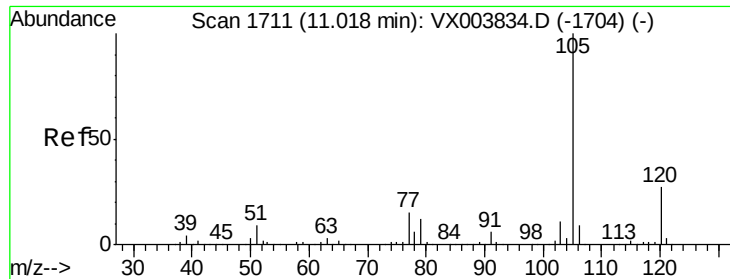
8/6/2018 10:47:39 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX003855.D
Acq: 03 Aug 2018 18:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.4	37.4	112.1
150	163.8	0.0	346.6





#73

Isopropylbenzene

Concen: 20.89 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX003855.D

Acq: 03 Aug 2018 18:14

Instrument :

MSVOA_X

ClientSampled :

VX0805WBS01

Tot Ion: 105 Resp: 96678

Ion Ratio Lower Upper

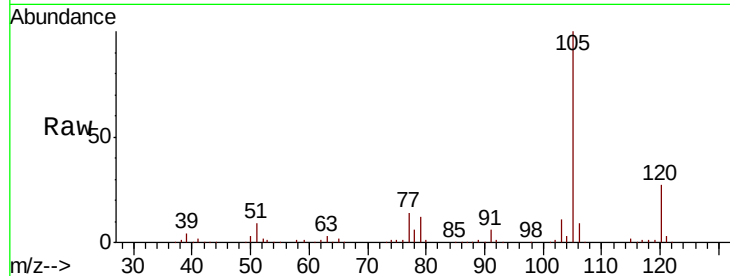
105 100

120 26.8 13.6 40.7

Manual Integrations
APPROVED

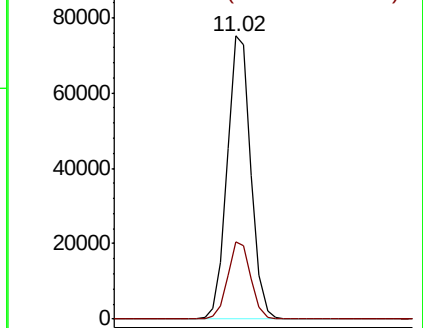
MMDadoda

8/6/2018 10:47:39 AM

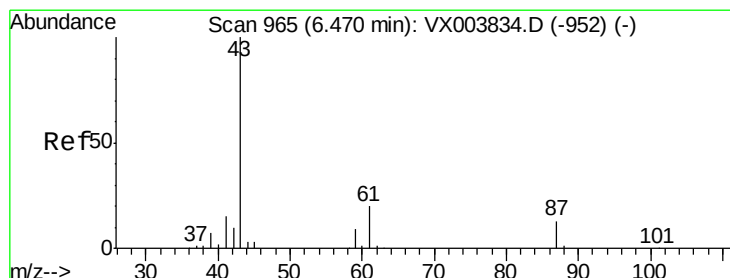
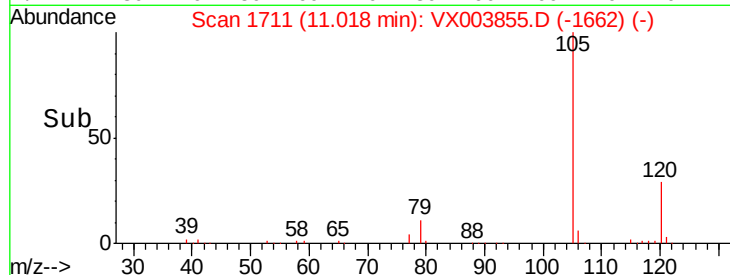


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 18.96 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX003855.D

Acq: 03 Aug 2018 18:14

Tgt Ion: 43 Resp: 43516

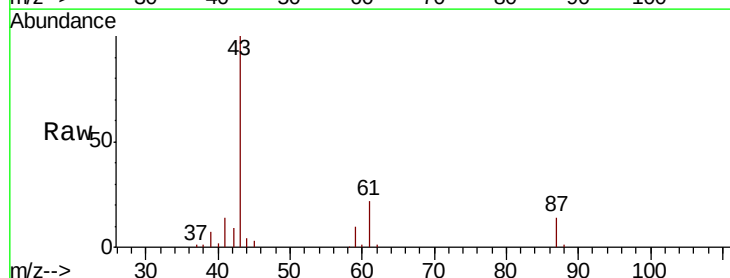
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 21.1 16.7 25.1

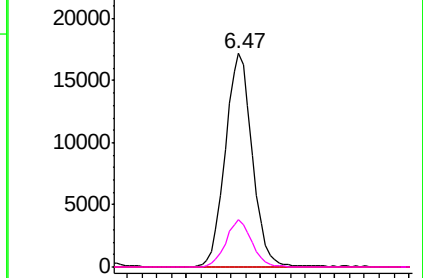


Abundance Ion 43.00 (42.70 to 43.70): VX0

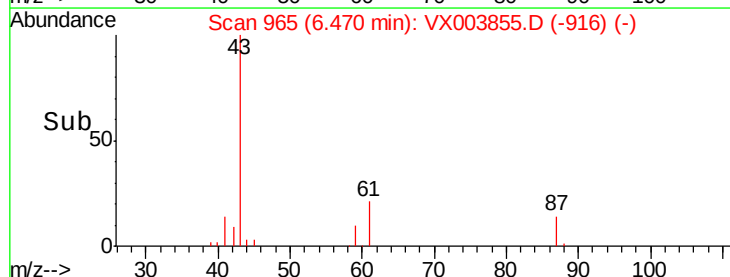
Ion 70.00 (69.70 to 70.70): VX0

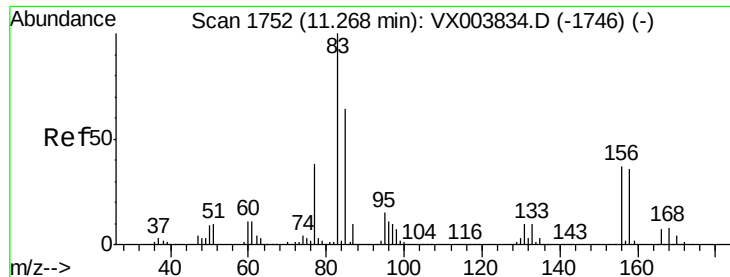
Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.12 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX003855.D

Acq: 03 Aug 2018 18:14

Instrument :

MSVOA_X

ClientSampleId :

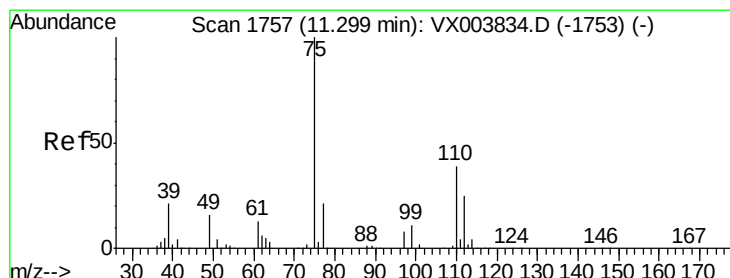
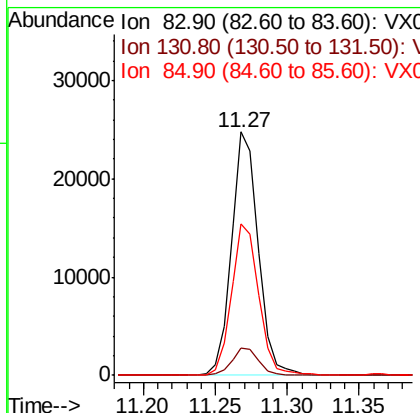
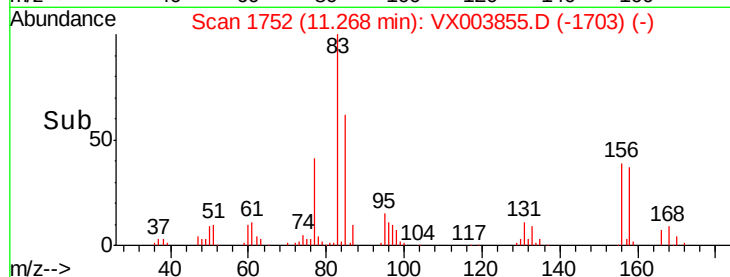
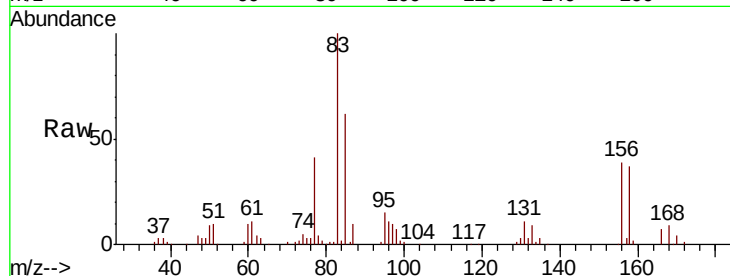
VX0805WBS01

Tot Ion:	83	Resp:	32249
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.3	15.9
85	63.7	32.1	96.3

Manual Integrations
APPROVED

MMDadoda

8/6/2018 10:47:39 AM



#76

1,2,3-Trichloropropane

Concen: 19.29 ug/l m

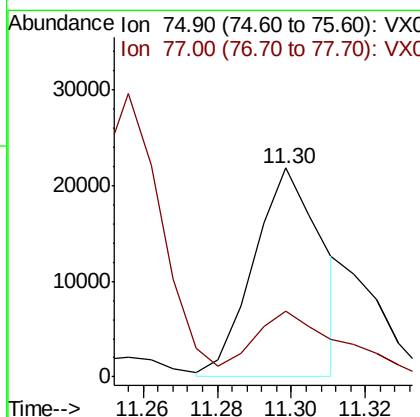
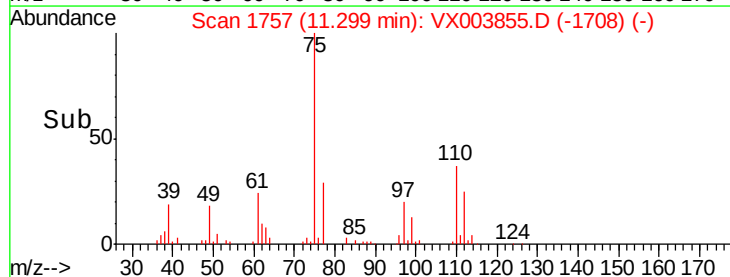
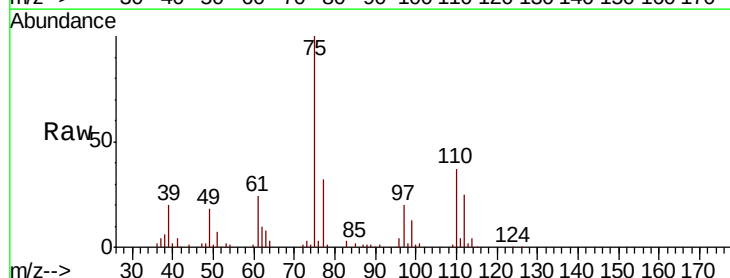
RT: 11.30 min Scan# 1757

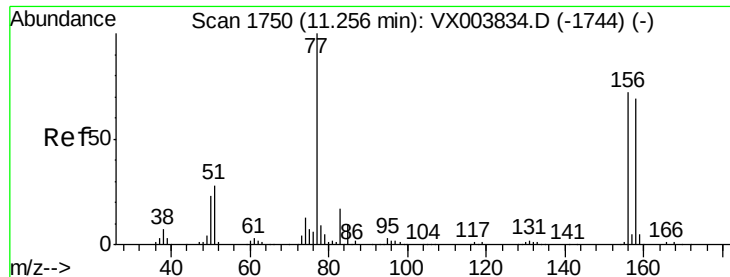
Delta R.T. -0.00 min

Lab File: VX003855.D

Acq: 03 Aug 2018 18:14

Tgt Ion:	75	Resp:	28060
Ion Ratio	Lower	Upper	
75	100		
77	40.9	21.1	63.3





#77

Bromobenzene

Concen: 20.52 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX003855.D

Acq: 03 Aug 2018 18:14

Instrument :

MSVOA_X

ClientSampled :

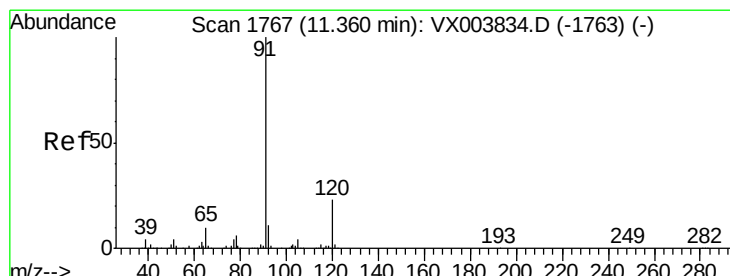
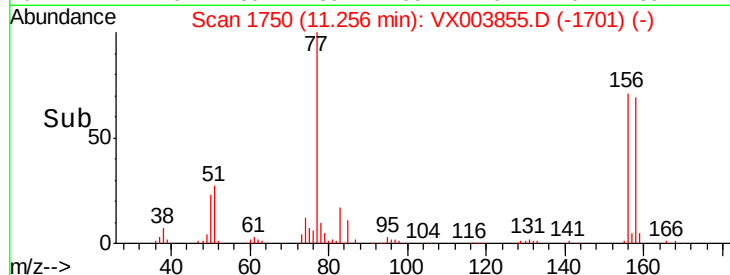
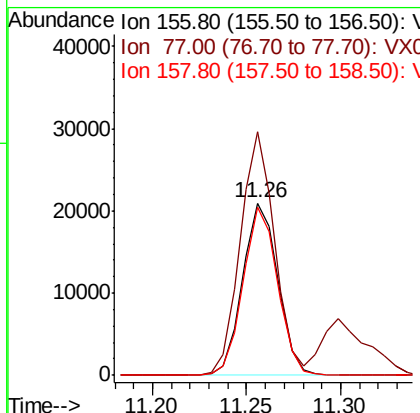
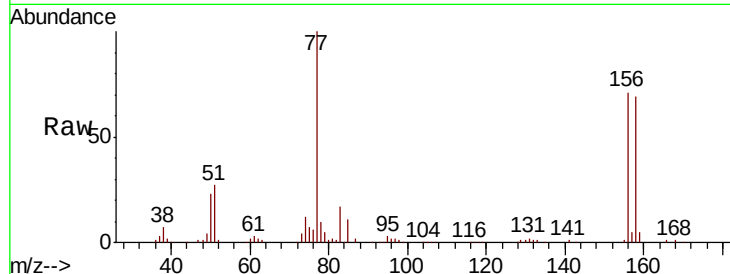
VX0805WBS01

Tot Ion:	156	Resp:	27100
Ion Ratio	Lower	Upper	
156	100		
77	137.8	69.0	206.9
158	95.6	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 20.89 ug/l

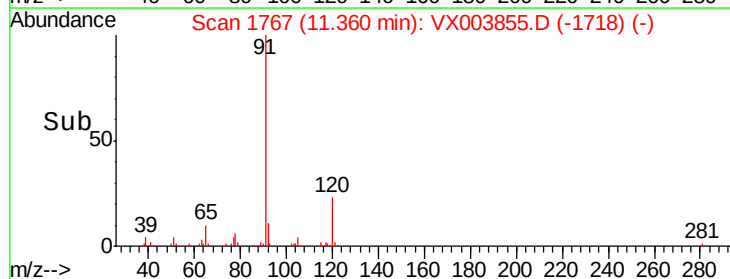
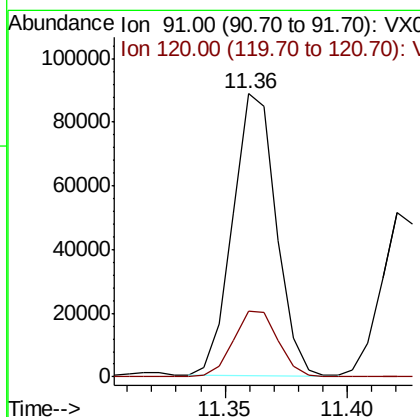
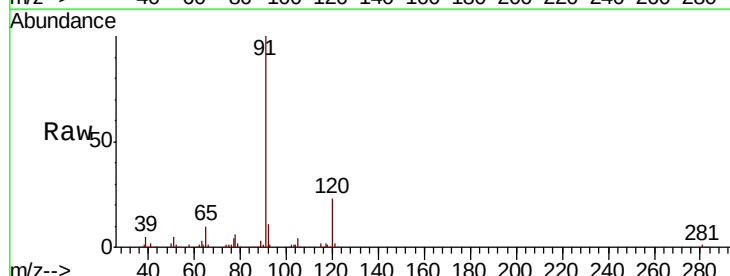
RT: 11.36 min Scan# 1767

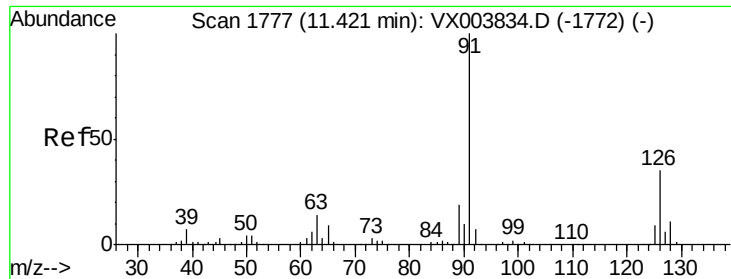
Delta R.T. -0.00 min

Lab File: VX003855.D

Acq: 03 Aug 2018 18:14

Tgt Ion:	91	Resp:	109375
Ion Ratio	Lower	Upper	
91	100		
120	23.9	12.1	36.3





#79

2-Chlorotoluene

Concen: 20.16 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX003855.D

Acq: 03 Aug 2018 18:14

Instrument :

MSVOA_X

ClientSampled :

VX0805WBS01

Tot Ion: 91 Resp: 65258

Ion Ratio Lower Upper

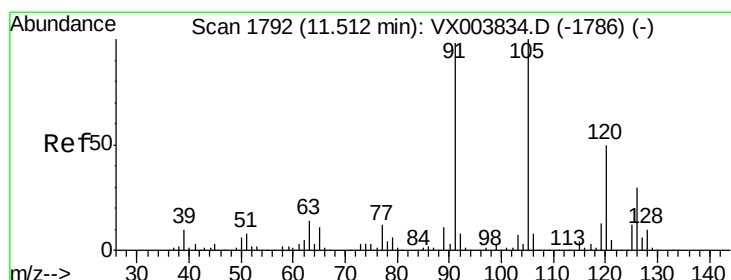
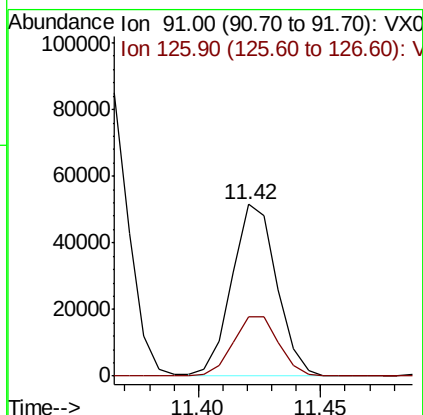
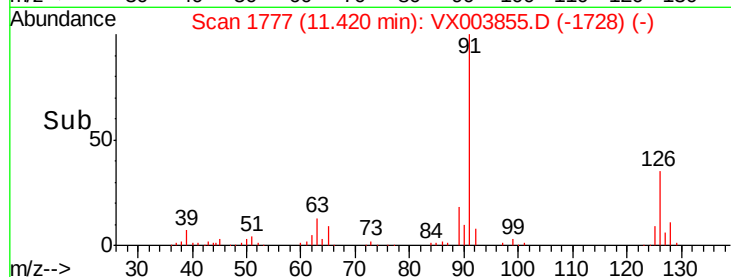
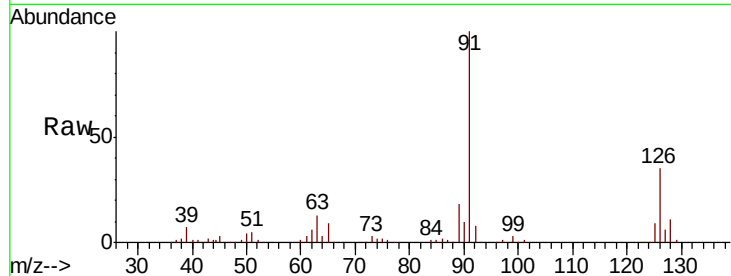
91 100

126 36.1 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 21.05 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX003855.D

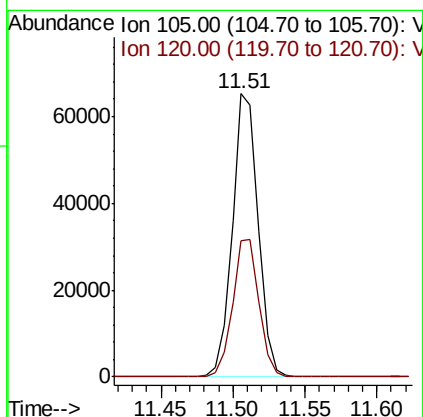
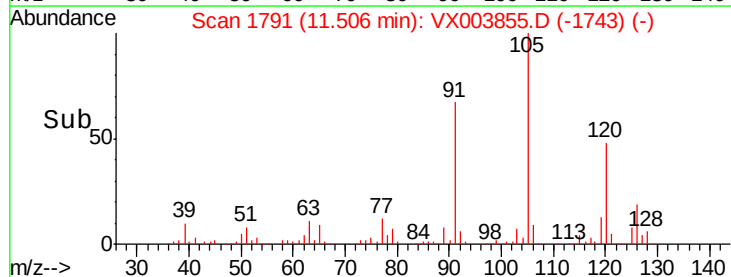
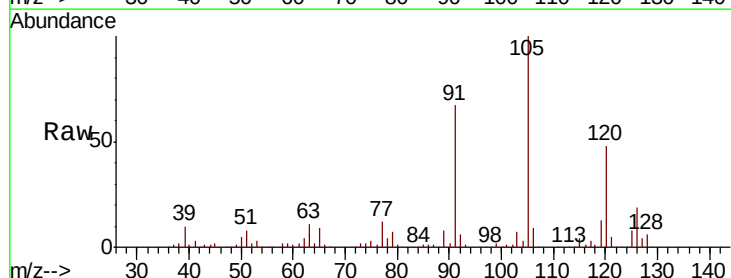
Acq: 03 Aug 2018 18:14

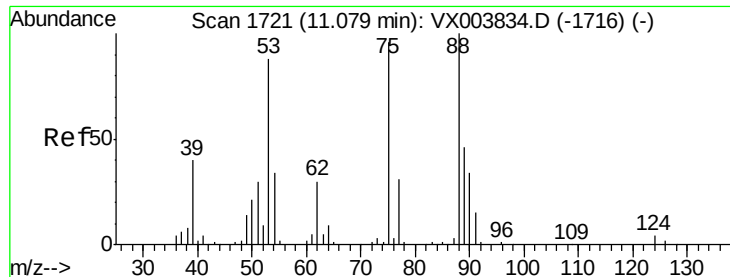
Tgt Ion: 105 Resp: 81722

Ion Ratio Lower Upper

105 100

120 49.7 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.21 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX003855.D

Acq: 03 Aug 2018 18:14

Instrument :

MSVOA_X

ClientSampled :

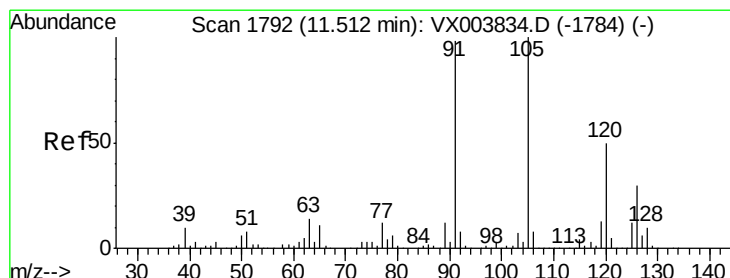
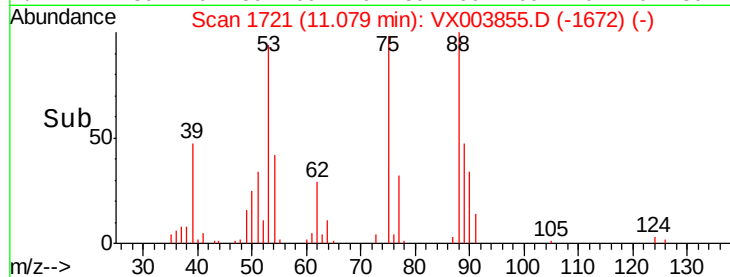
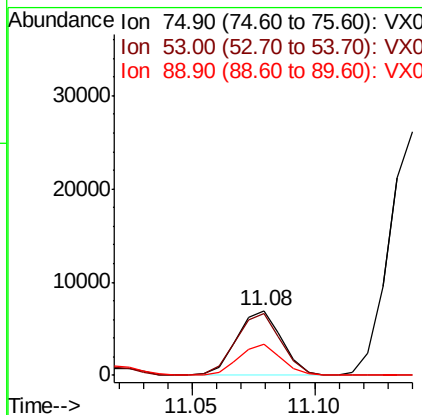
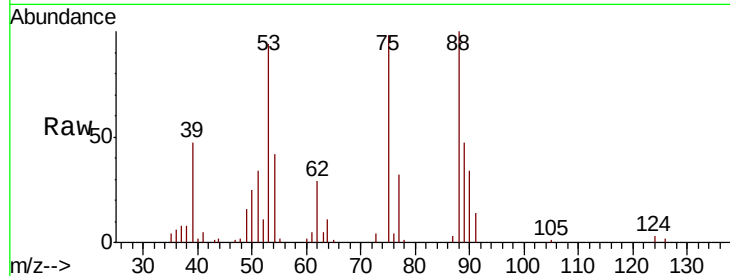
VX0805WBS01

Tot Ion:	75	Resp:	8867
Ion	Ratio	Lower	Upper
75	100		
53	95.4	74.9	112.3
89	45.6	36.6	54.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.54 ug/l

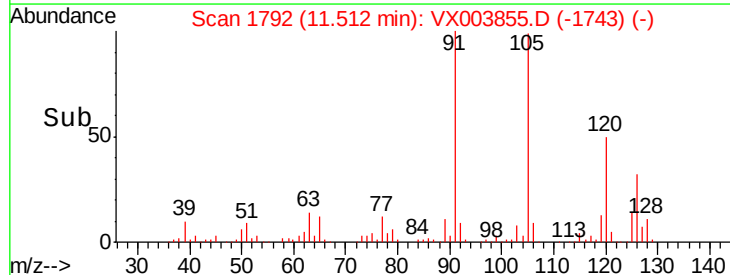
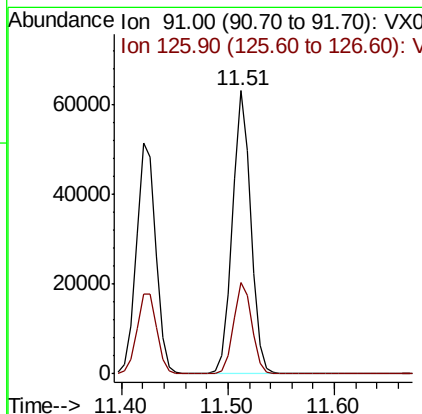
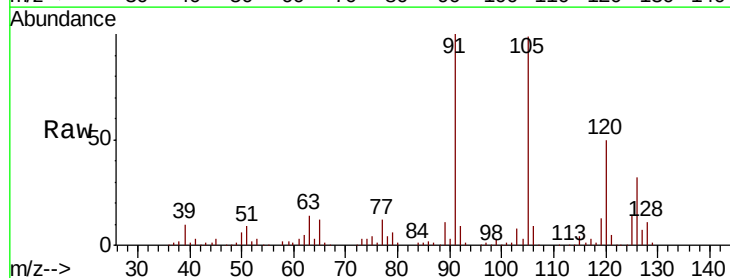
RT: 11.51 min Scan# 1792

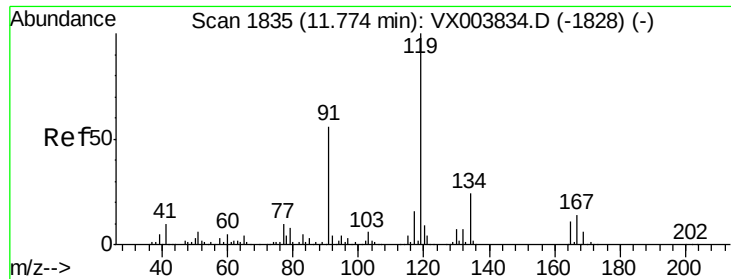
Delta R.T. -0.00 min

Lab File: VX003855.D

Acq: 03 Aug 2018 18:14

Tgt Ion:	91	Resp:	76943
Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.0	47.9





#83
 tert-Butylbenzene
 Concen: 20.63 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX003855.D
 Acq: 03 Aug 2018 18:14

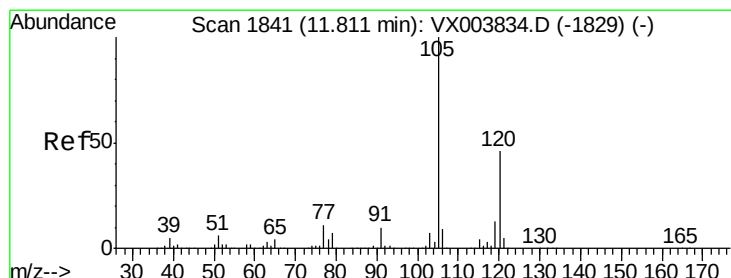
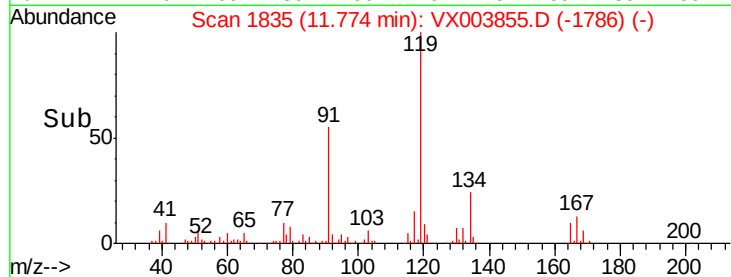
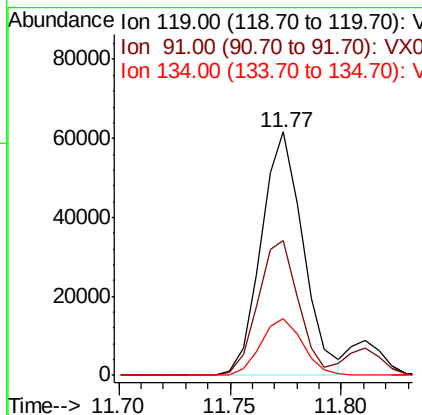
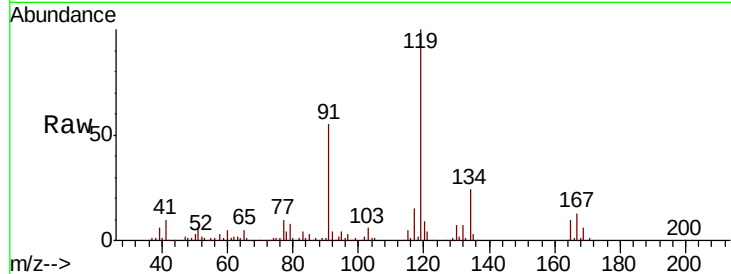
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0805WBS01

Tot Ion:	119	Resp:	80552
Ion Ratio	Lower	Upper	
119	100		
91	53.7	26.6	79.7
134	23.4	11.6	34.7

Manual Integrations
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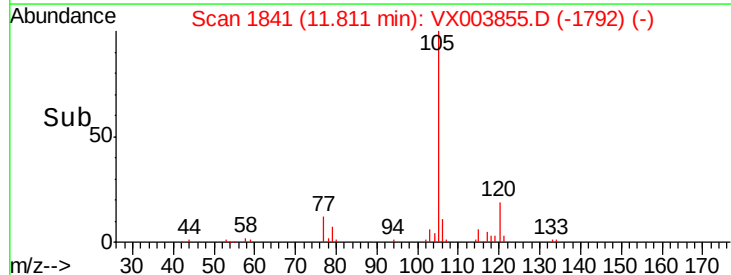
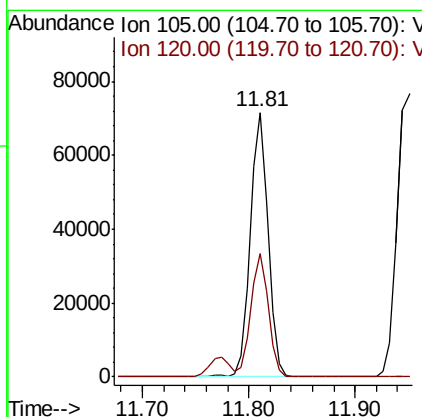
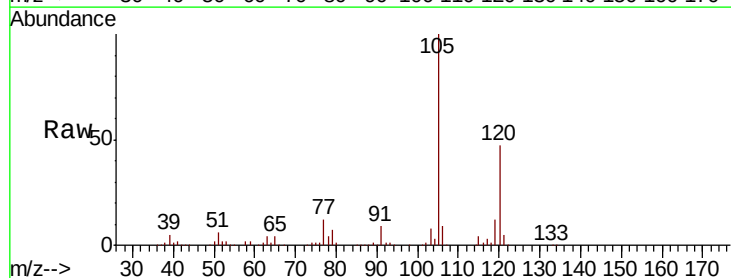
MMDadoda

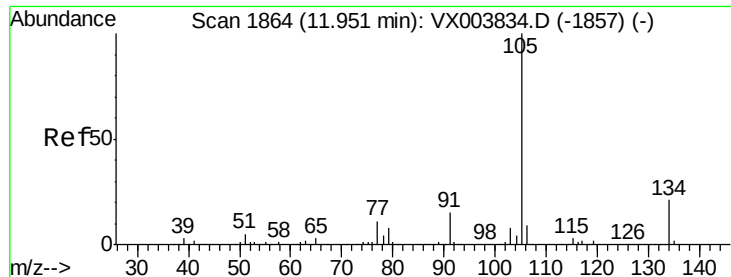
8/6/2018 10:47:39 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.04 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003855.D
 Acq: 03 Aug 2018 18:14

Tgt Ion:	105	Resp:	84494
Ion Ratio	Lower	Upper	
105	100		
120	46.0	22.9	68.5





#85

sec-Butylbenzene

Concen: 21.04 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003855.D

Acq: 03 Aug 2018 18:14

Instrument :

MSVOA_X

ClientSampleId :

VX0805WBS01

Tot Ion:105 Resp: 94938

Ion Ratio Lower Upper

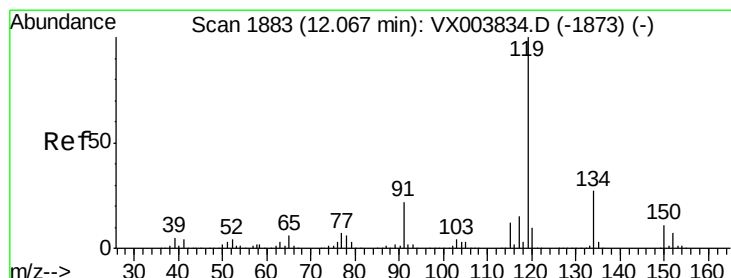
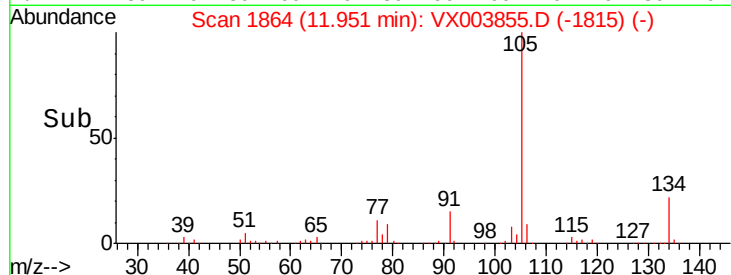
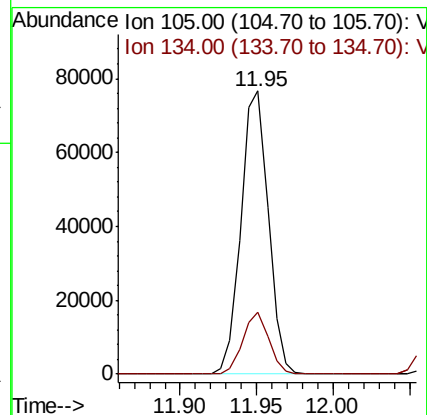
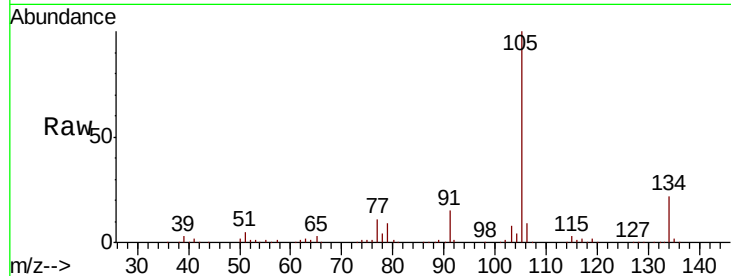
105 100

134 20.9 10.4 31.4

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 21.13 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003855.D

Acq: 03 Aug 2018 18:14

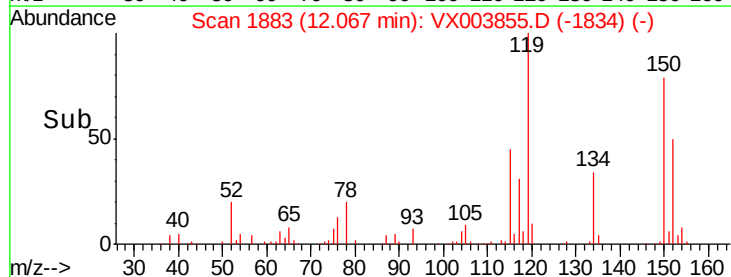
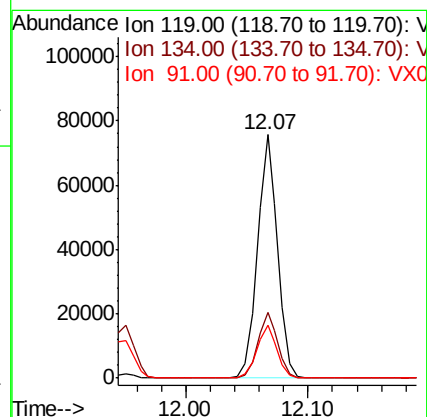
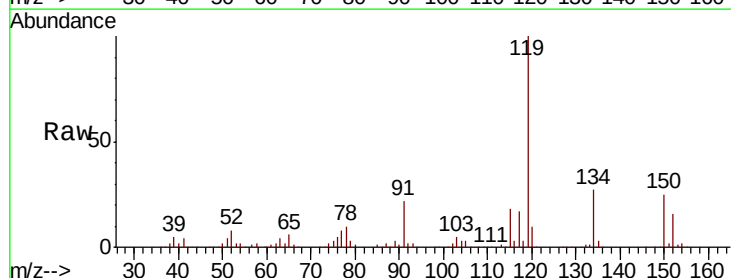
Tgt Ion:119 Resp: 86361

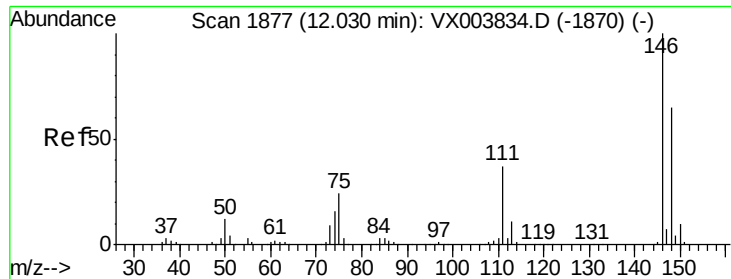
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

91 22.0 11.1 33.1





#87
 1,3-Dichlorobenzene
 Concen: 19.93 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003855.D
 Acq: 03 Aug 2018 18:14

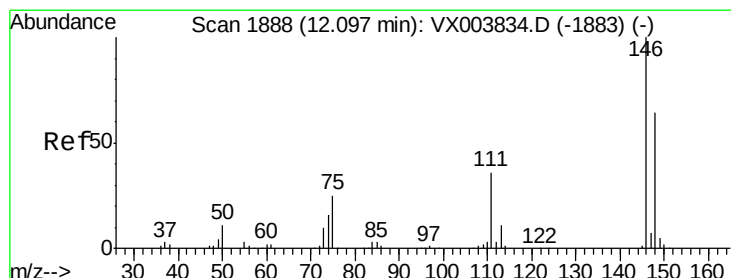
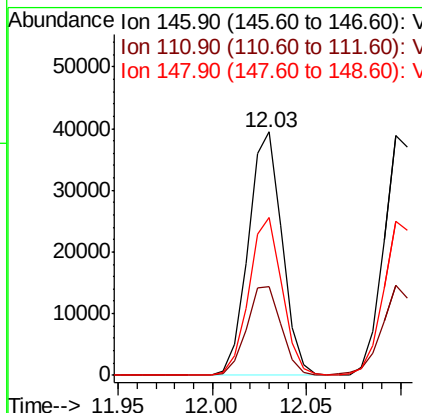
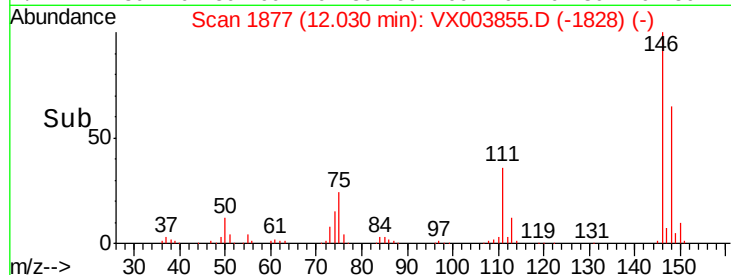
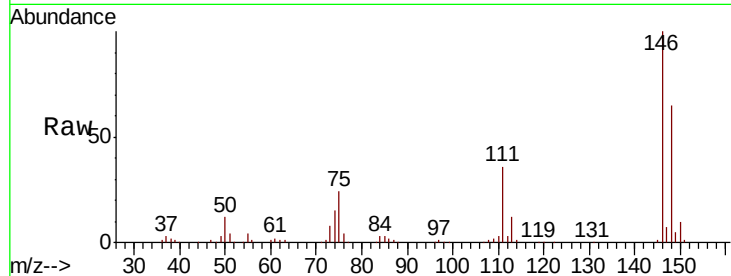
Instrument :
 MSVOA_X
 ClientSampled :
 VX0805WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.4
148	63.5	32.2	96.6

Manual Integrations
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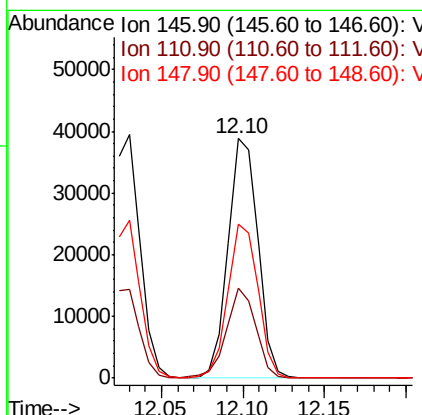
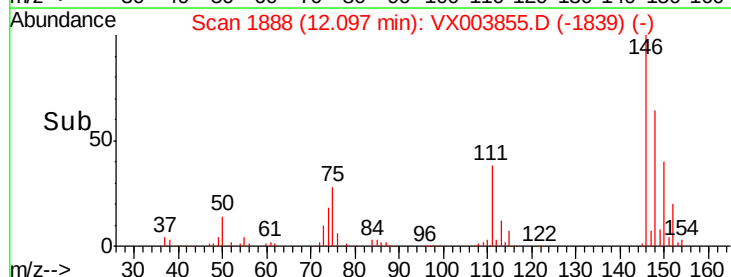
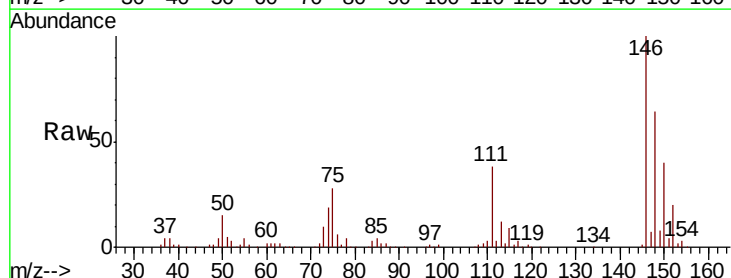
MMDadoda

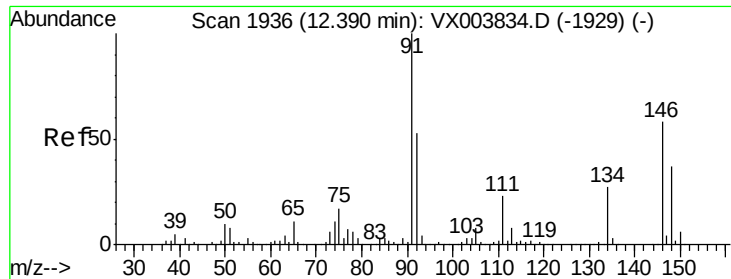
8/6/2018 10:47:39 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.56 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX003855.D
 Acq: 03 Aug 2018 18:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.1	54.3
148	64.8	32.1	96.5





#89

n-Butylbenzene

Concen: 20.44 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX003855.D

Acq: 03 Aug 2018 18:14

Instrument :

MSVOA_X

ClientSampled :

VX0805WBS01

Tot Ion: 91 Resp: 71588

Ion Ratio Lower Upper

91 100

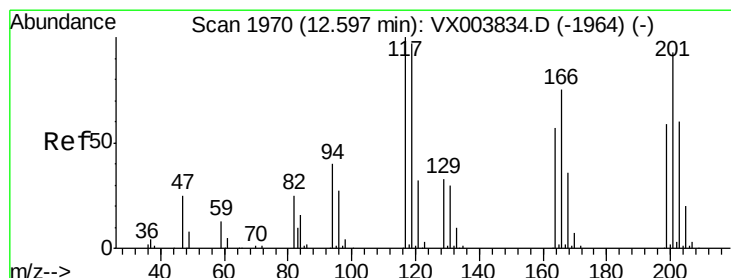
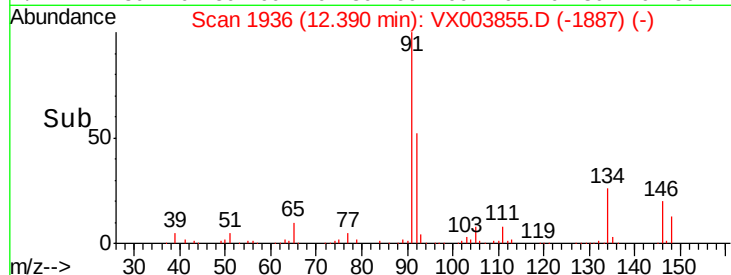
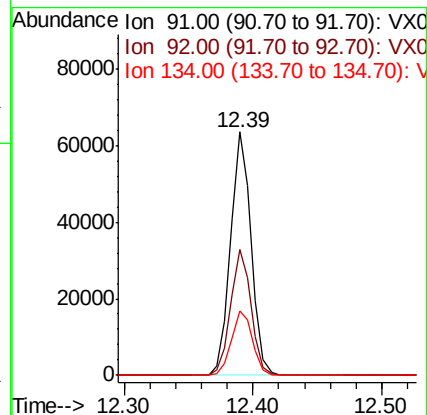
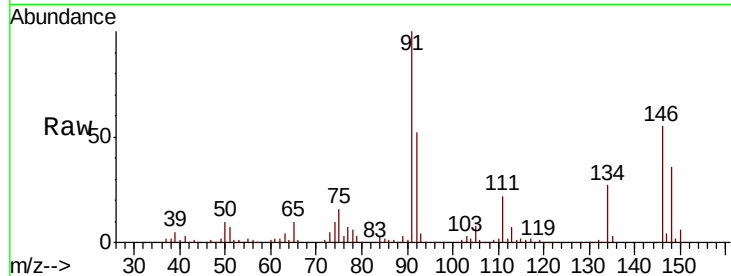
92 51.6 26.3 78.9

134 27.2 13.7 41.0

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#90

Hexachloroethane

Concen: 19.28 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VX003855.D

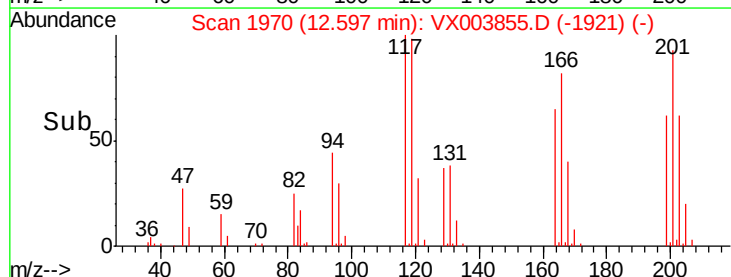
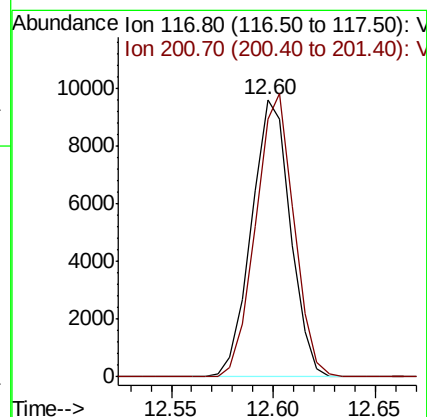
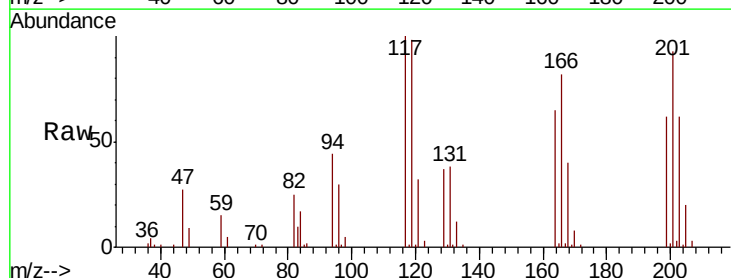
Acq: 03 Aug 2018 18:14

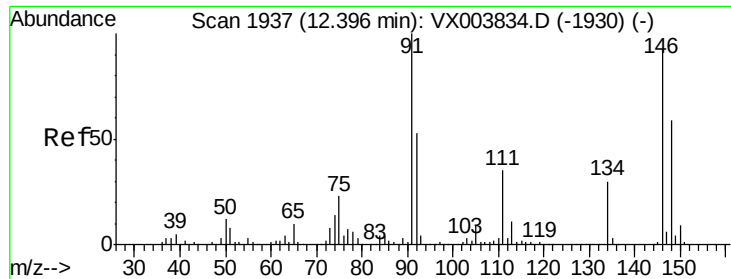
Tgt Ion: 117 Resp: 12765

Ion Ratio Lower Upper

117 100

201 100.0 49.9 149.6





#91
 1,2-Dichlorobenzene
 Concen: 19.63 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003855.D
 Acq: 03 Aug 2018 18:14

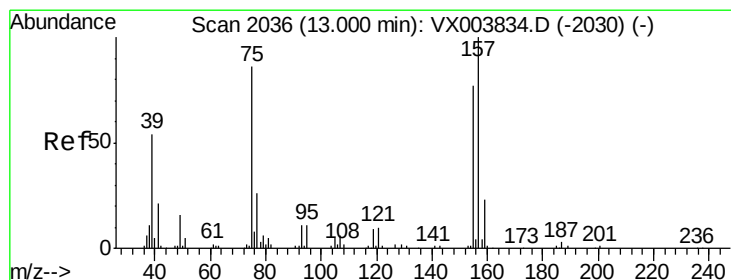
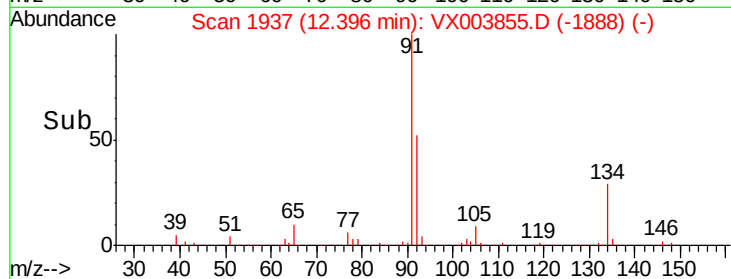
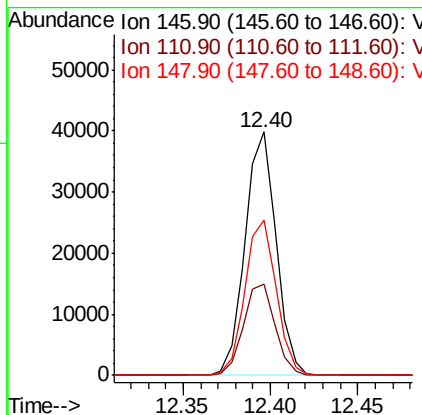
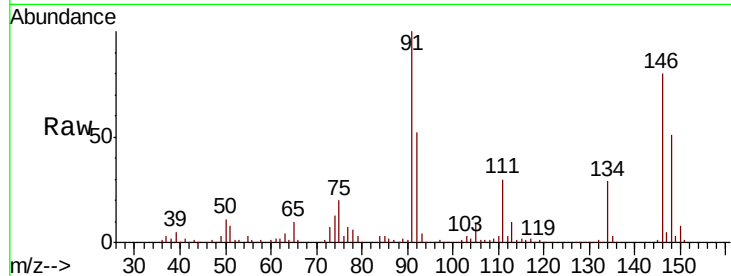
Instrument :
 MSVOA_X
 ClientSampled :
 VX0805WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.5
148	64.2	32.0	96.2

Manual Integrations
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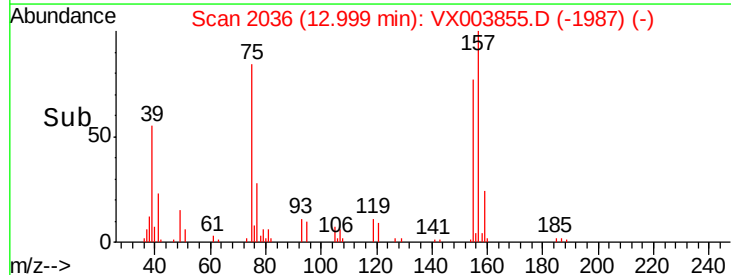
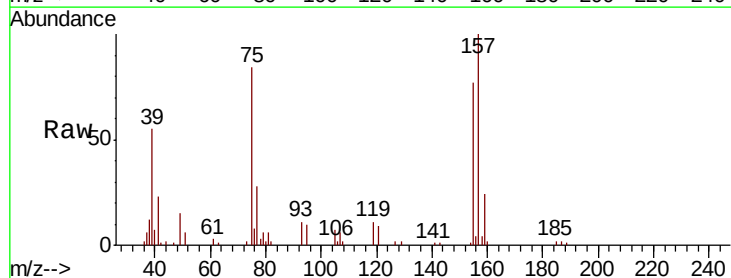
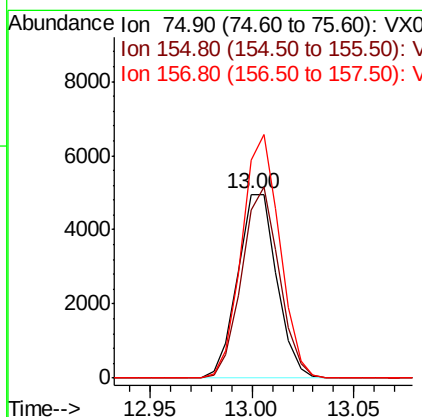
MMDadoda

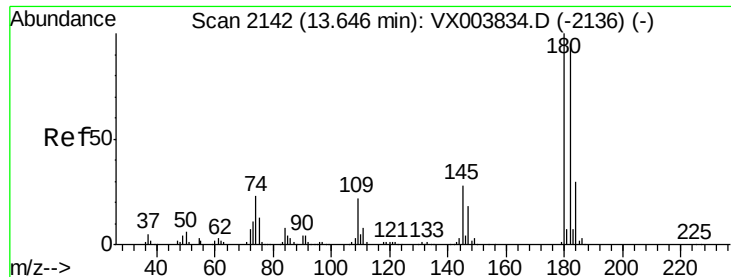
8/6/2018 10:47:39 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.71 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX003855.D
 Acq: 03 Aug 2018 18:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.3	49.5	148.3
157	128.4	64.5	193.5





#93
1,2,4-Trichlorobenzene
Concen: 20.10 ug/l
RT: 13.65 min Scan# 2142
Delta R.T. -0.00 min
Lab File: VX003855.D
Acq: 03 Aug 2018 18:14

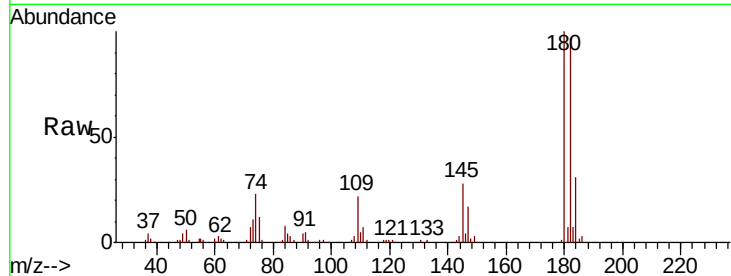
Instrument :
MSVOA_X
ClientSampleId :
VX0805WBS01

Tot Ion:	180	Resp:	35718
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.6	142.9
145	27.3	13.8	41.3

Manual Integrations
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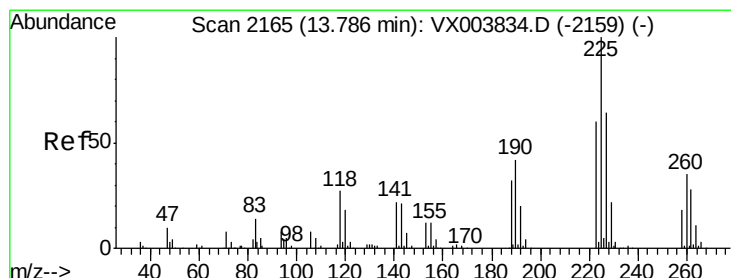
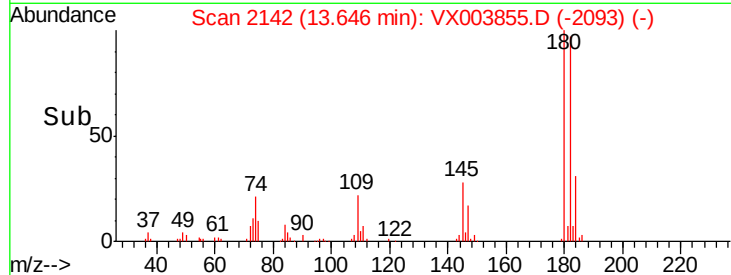
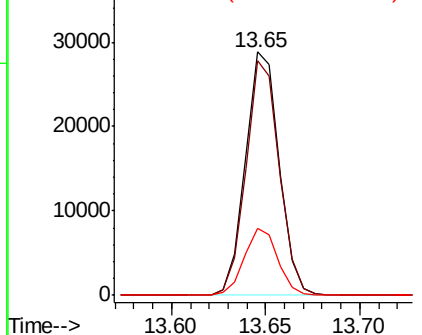


Abundance

Ion 179.80 (179.50 to 180.50): V

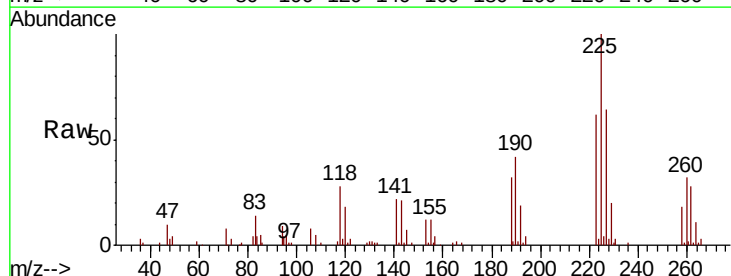
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 20.42 ug/l
RT: 13.79 min Scan# 2165
Delta R.T. -0.00 min
Lab File: VX003855.D
Acq: 03 Aug 2018 18:14

Tgt Ion:	225	Resp:	17127
Ion Ratio	Lower	Upper	
225	100		
223	63.5	30.4	91.3
227	63.9	32.2	96.6

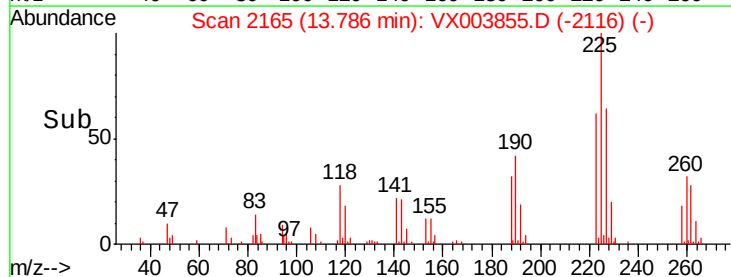
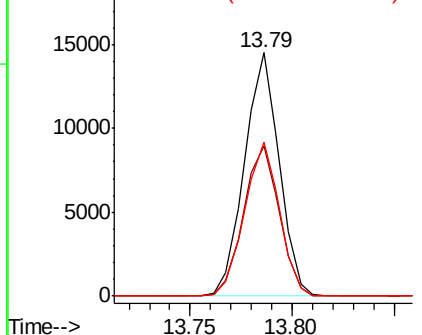


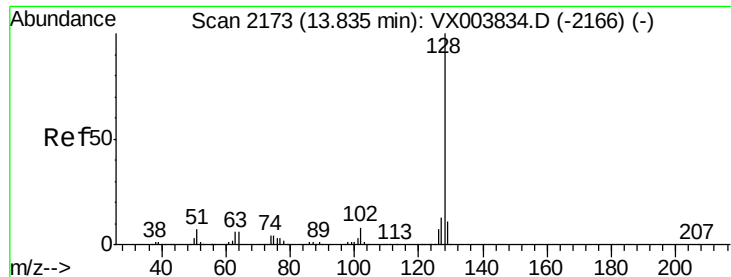
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.24 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX003855.D

Acq: 03 Aug 2018 18:14

Instrument :

MSVOA_X

ClientSampled :

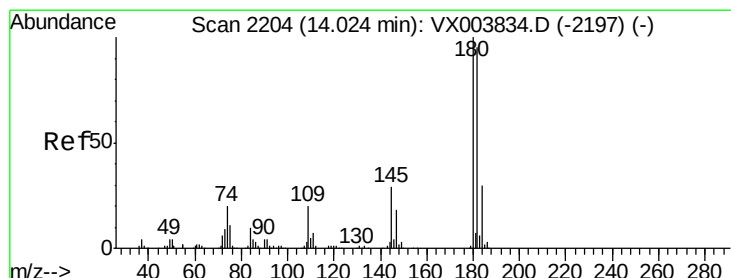
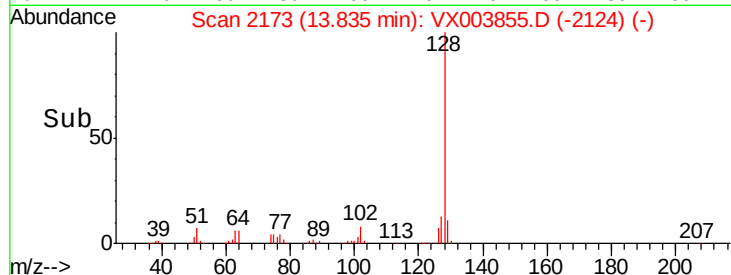
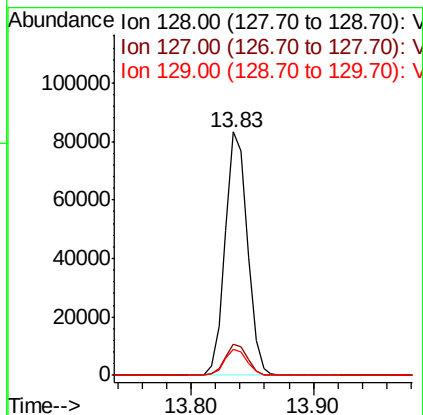
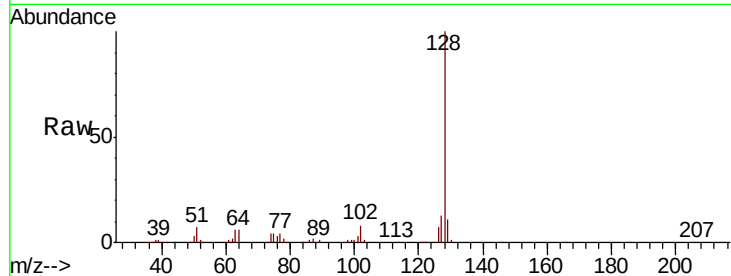
VX0805WBS01

Tot Ion:	128	Resp:	104739
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda

8/6/2018 10:47:39 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.92 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX003855.D

Acq: 03 Aug 2018 18:14

Tgt Ion:	180	Resp:	36831
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.8	143.4
145	29.5	14.6	44.0

