

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030619\
 Data File : VX007863.D
 Acq On : 06 Mar 2019 16:41
 Operator : JC/SP
 Sample : VX0306WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0306WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/7/2019 10:35:33 AM

Quant Time: Mar 07 08:28:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	312927	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	447607	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	395595	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	199848	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	156557	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	
35) Dibromofluoromethane	5.50	113	136384	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	
50) Toluene-d8	8.71	98	514065	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
62) 4-Bromofluorobenzene	11.13	95	181346	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	50421	18.860	ug/l	99
3) Chloromethane	1.33	50	61529	17.859	ug/l	100
4) Vinyl Chloride	1.41	62	63188	18.458	ug/l	99
5) Bromomethane	1.64	94	33913	20.443	ug/l	97
6) Chloroethane	1.73	64	39699	17.456	ug/l	98
7) Trichlorofluoromethane	1.93	101	81917	18.379	ug/l	98
8) Diethyl Ether	2.19	74	35201	18.238	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	51782	18.748	ug/l	99
10) Methyl Iodide	2.51	142	75443	19.254	ug/l	99
11) Tert butyl alcohol	3.07	59	67190	91.015	ug/l	100
12) 1,1-Dichloroethene	2.38	96	48536	18.230	ug/l	99
13) Acrolein	2.30	56	39704	95.993	ug/l	99
14) Allyl chloride	2.73	41	101546	18.151	ug/l	99
15) Acrylonitrile	3.15	53	168204	90.269	ug/l	100
16) Acetone	2.45	43	167935	87.893	ug/l	99
17) Carbon Disulfide	2.57	76	152542	18.585	ug/l	98
18) Methyl Acetate	2.78	43	74303	18.305	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	171064	18.676	ug/l	99
20) Methylene Chloride	2.86	84	54709	17.991	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	52557	17.941	ug/l	99
22) Diisopropyl ether	3.87	45	192455	18.766	ug/l	100
23) Vinyl Acetate	3.82	43	840169	93.422	ug/l	100
24) 1,1-Dichloroethane	3.70	63	103442	18.743	ug/l	99
25) 2-Butanone	4.70	43	245535	90.770	ug/l	99
26) 2,2-Dichloropropane	4.59	77	64752	17.709	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	60052	17.914	ug/l	97
28) Bromochloromethane	5.02	49	53348	20.734	ug/l	97
29) Tetrahydrofuran	5.15	42	155805	92.339	ug/l	100
30) Chloroform	5.21	83	96816	18.545	ug/l	97
31) Cyclohexane	5.58	56	96625	19.050	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	79192	18.283	ug/l	100
36) 1,1-Dichloropropene	5.80	75	74482	18.377	ug/l	99
37) Ethyl Acetate	4.85	43	87941	18.284	ug/l	99
38) Carbon Tetrachloride	5.78	117	71552	18.596	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030619\
 Data File : VX007863.D
 Acq On : 06 Mar 2019 16:41
 Operator : JC/SP
 Sample : VX0306WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0306WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/7/2019 10:35:33 AM

Quant Time: Mar 07 08:28:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	95305	19.406	ug/l	96
40) Benzene	6.14	78	227990	18.895	ug/l	100
41) Methacrylonitrile	5.06	41	49058	18.708	ug/l	99
42) 1,2-Dichloroethane	6.20	62	74168	18.796	ug/l	99
43) Isopropyl Acetate	6.46	43	132598	18.628	ug/l	99
44) Trichloroethene	7.21	130	61912	18.619	ug/l	99
45) 1,2-Dichloropropane	7.52	63	60772	19.070	ug/l	99
46) Dibromomethane	7.66	93	38394	19.037	ug/l	99
47) Bromodichloromethane	7.90	83	71134	18.603	ug/l	99
48) Methyl methacrylate	7.77	41	69802	18.652	ug/l	99
49) 1,4-Dioxane	7.75	88	28011	364.358	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	439543	96.019	ug/l	100
52) Toluene	8.78	92	139648	18.957	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	72696	18.215	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	83904	18.617	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	57741	19.363	ug/l	98
56) Ethyl methacrylate	9.18	69	85819	19.167	ug/l	99
57) 1,3-Dichloropropane	9.37	76	95511	19.075	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	227173	98.086	ug/l	100
59) 2-Hexanone	9.49	43	337230	94.887	ug/l	99
60) Dibromochloromethane	9.59	129	58784	18.859	ug/l	99
61) 1,2-Dibromoethane	9.67	107	59467	18.782	ug/l	100
64) Tetrachloroethene	9.34	164	60587	18.481	ug/l	99
65) Chlorobenzene	10.14	112	152574	18.431	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	55640	18.754	ug/l	99
67) Ethyl Benzene	10.25	91	260233	19.097	ug/l	99
68) m/p-Xylenes	10.36	106	197798	37.659	ug/l	98
69) o-Xylene	10.69	106	96056	18.943	ug/l	99
70) Styrene	10.71	104	158970	19.158	ug/l	100
71) Bromoform	10.86	173	45532	17.871	ug/l	100
73) Isopropylbenzene	11.02	105	261863	19.374	ug/l	100
74) N-amyl acetate	10.90	43	113815	18.445	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	86051	18.457	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	81308m	19.388	ug/l	
77) Bromobenzene	11.26	156	68727	18.547	ug/l	100
78) n-propylbenzene	11.36	91	292553	19.511	ug/l	100
79) 2-Chlorotoluene	11.42	91	173312	18.904	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	215181	19.343	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	22639	17.256	ug/l	92
82) 4-Chlorotoluene	11.51	91	199208	18.961	ug/l	100
83) tert-Butylbenzene	11.77	119	213292	19.034	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	219425	19.241	ug/l	100
85) sec-Butylbenzene	11.94	105	256785	19.457	ug/l	100
86) p-Isopropyltoluene	12.06	119	232705	19.689	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	121408	18.519	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	121640	18.118	ug/l	99
89) n-Butylbenzene	12.39	91	194338	19.408	ug/l	99
90) Hexachloroethane	12.60	117	36639	18.541	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	121709	18.688	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	17214	17.667	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030619\
Data File : VX007863.D
Acq On : 06 Mar 2019 16:41
Operator : JC/SP
Sample : VX0306WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:35:33 AM

Quant Time: Mar 07 08:28:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 07:33:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	85177	18.617	ug/l	99
94) Hexachlorobutadiene	13.78	225	46490	19.436	ug/l	99
95) Naphthalene	13.83	128	247088	18.744	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	85033	18.657	ug/l	98

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

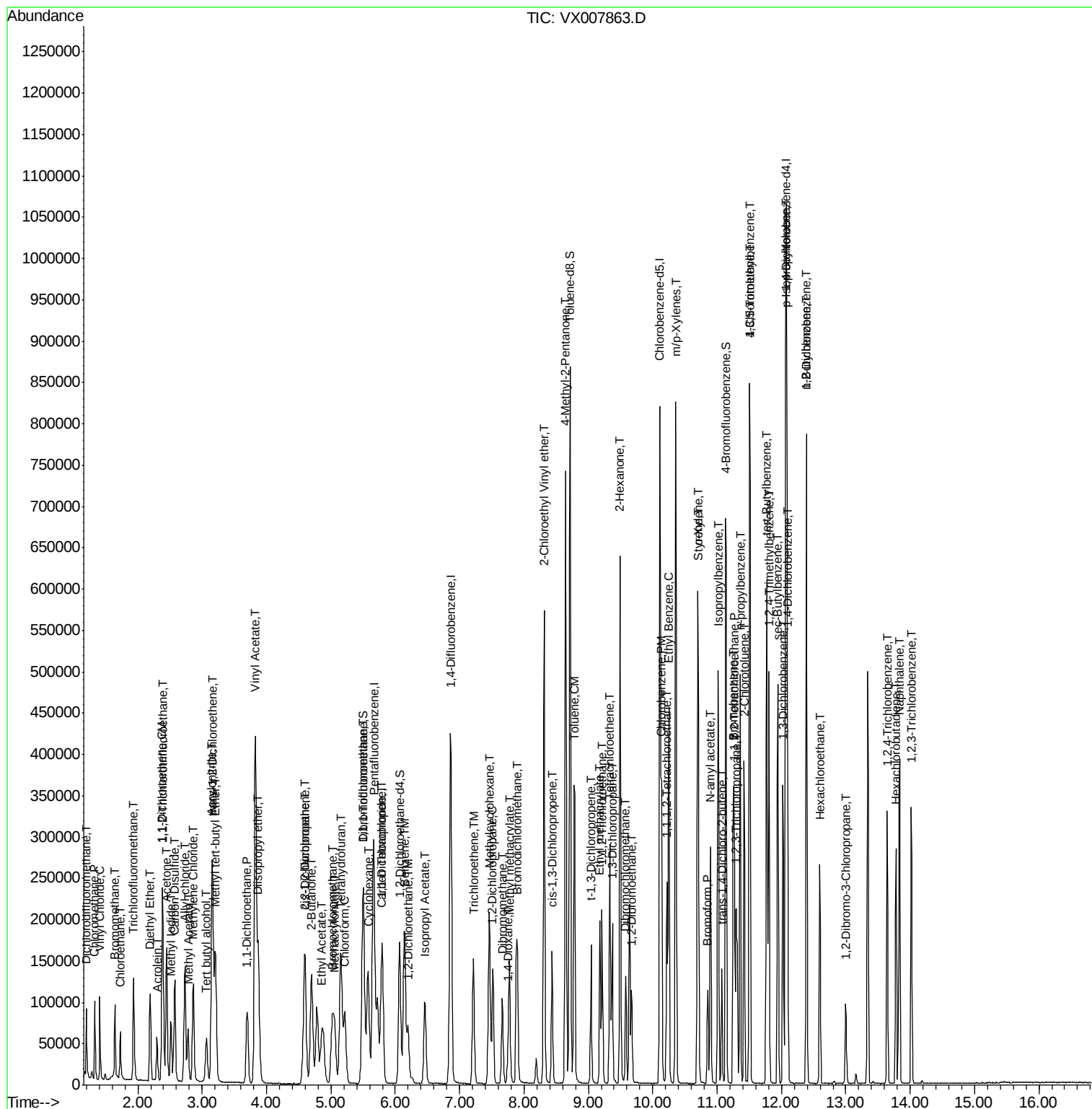
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX030619\
Data File : VX007863.D
Acq On : 06 Mar 2019 16:41
Operator : JC/SP
Sample : VX0306WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

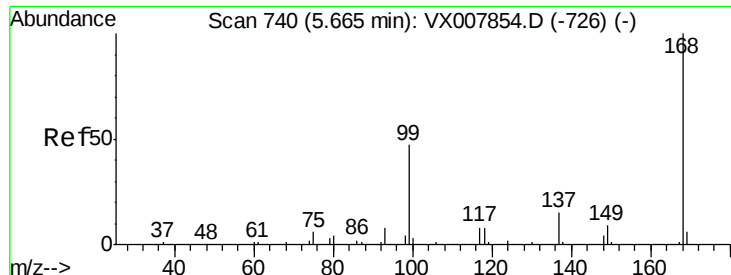
Instrument :
MSVOA_X
Client Sample Id :
VX0306WBS01

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:35:33 AM

Quant Time: Mar 07 08:28:34 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 07:33:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007863.D

Acq: 06 Mar 2019 16:41

Instrument :

MSVOA_X

ClientSampled :

VX0306WBS01

Tot Ion:168 Resp: 312927

Ion Ratio Lower Upper

168 100

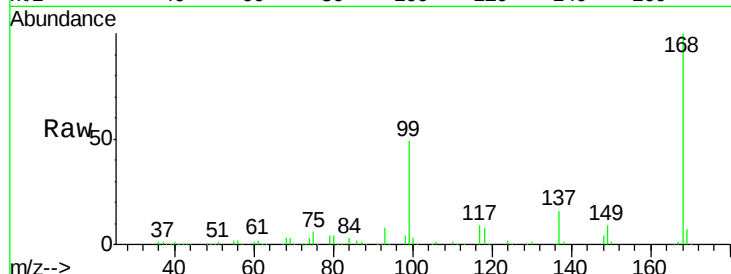
99 48.6 37.6 56.4

Manual Integrations

APPROVED

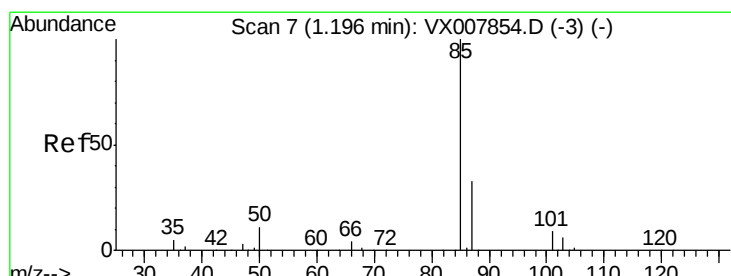
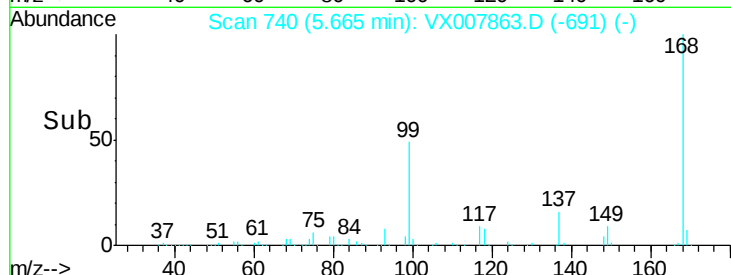
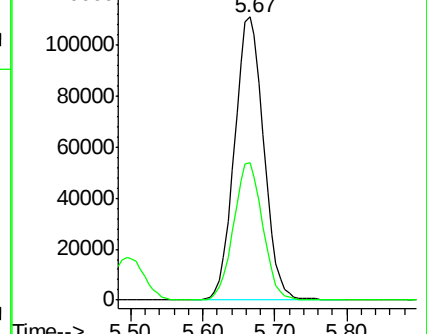
MMDadoda

3/7/2019 10:35:33 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 18.860 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007863.D

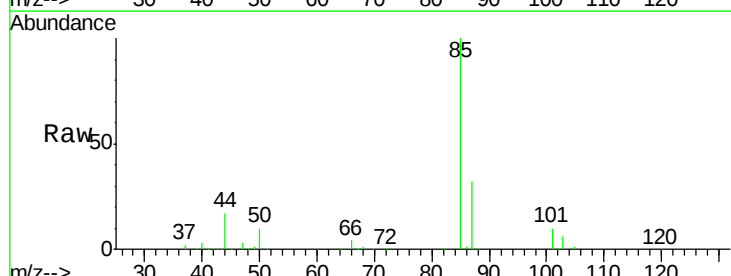
Acq: 06 Mar 2019 16:41

Tgt Ion: 85 Resp: 50421

Ion Ratio Lower Upper

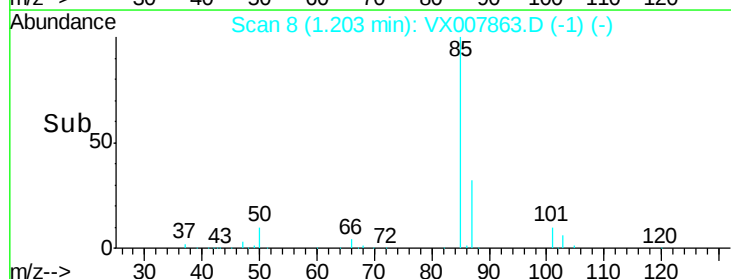
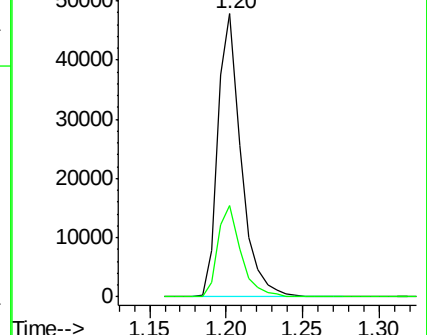
85 100

87 32.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 17.859 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007863.D

Acq: 06 Mar 2019 16:41

Instrument :

MSVOA_X

ClientSampleId :

VX0306WBS01

Tot Ion: 50 Resp: 61529

Ion Ratio Lower Upper

50 100

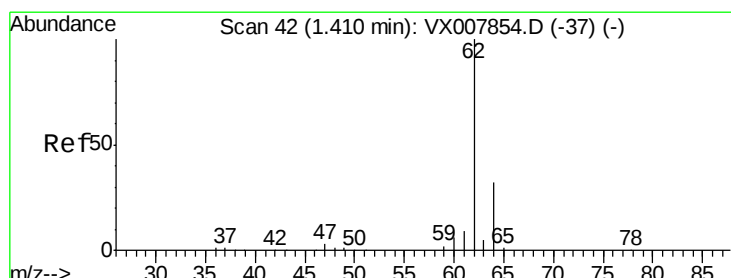
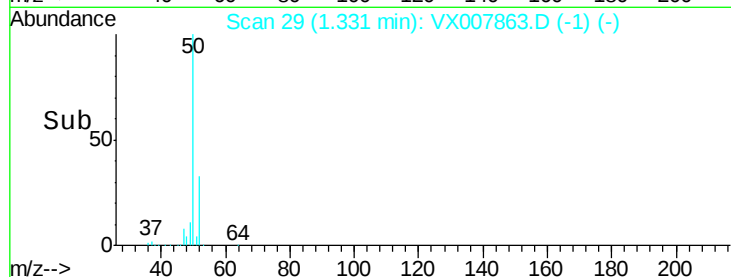
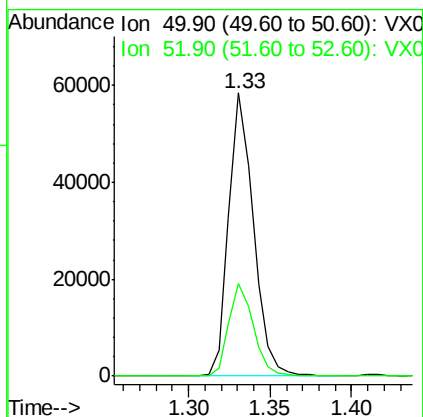
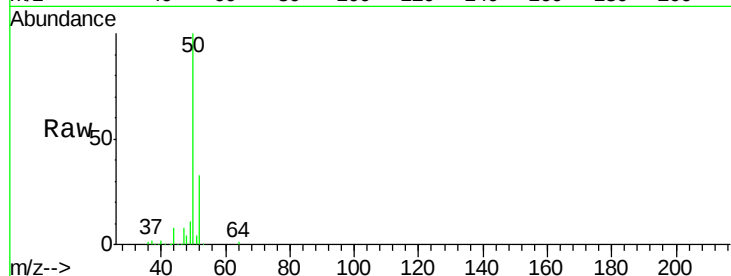
52 32.8 26.5 39.7

Manual Integrations

APPROVED

MMDadoda

3/7/2019 10:35:33 AM



#4

Vinyl Chloride

Concen: 18.458 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007863.D

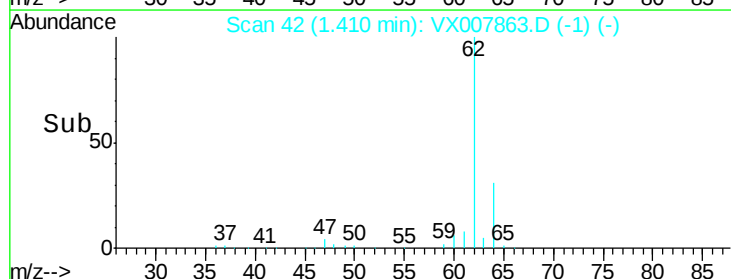
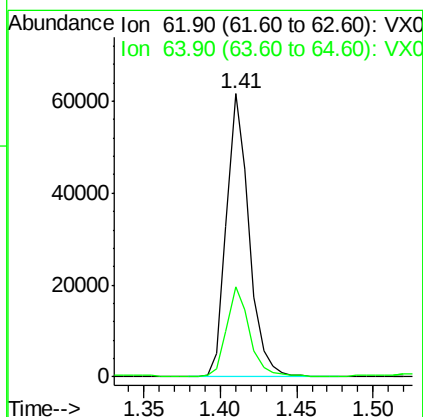
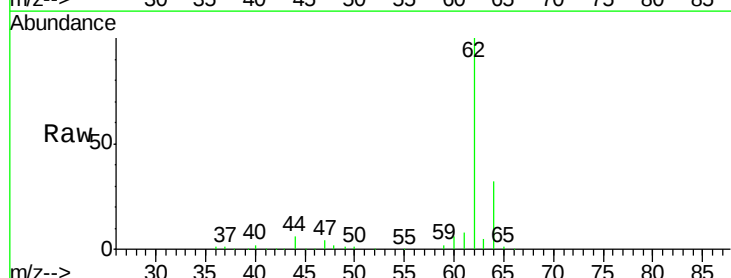
Acq: 06 Mar 2019 16:41

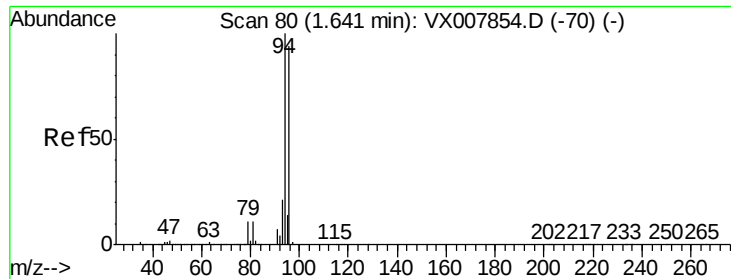
Tgt Ion: 62 Resp: 63188

Ion Ratio Lower Upper

62 100

64 31.3 25.3 37.9





#5

Bromomethane

Concen: 20.443 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007863.D

Acq: 06 Mar 2019 16:41

Instrument :

MSVOA_X

ClientSampleId :

VX0306WBS01

Tot Ion: 94 Resp: 33913

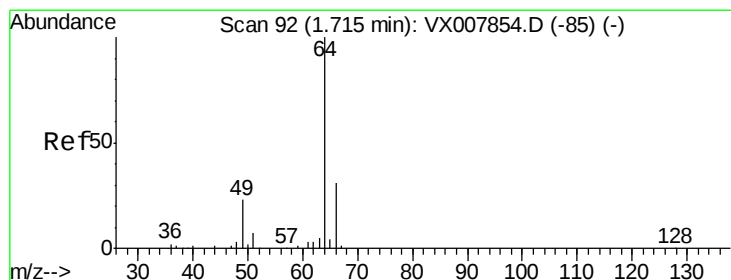
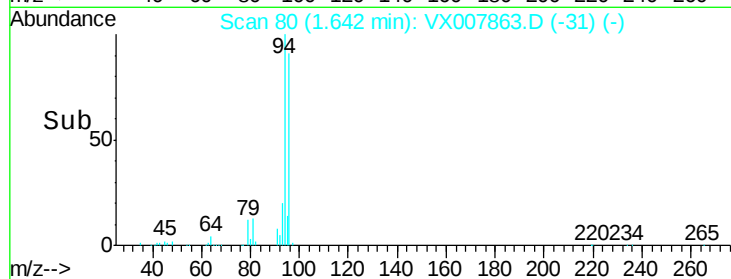
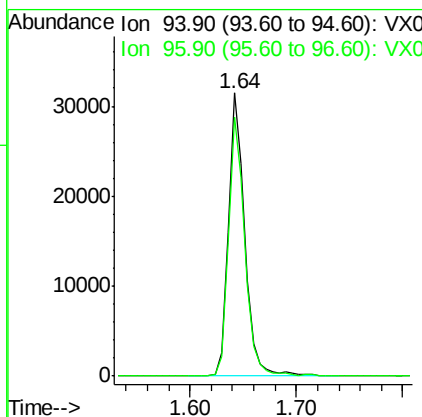
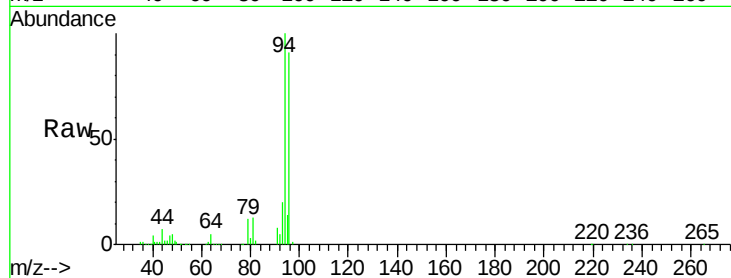
Ion Ratio Lower Upper

94 100

96 91.4 75.5 113.3

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:35:33 AM



#6

Chloroethane

Concen: 17.456 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX007863.D

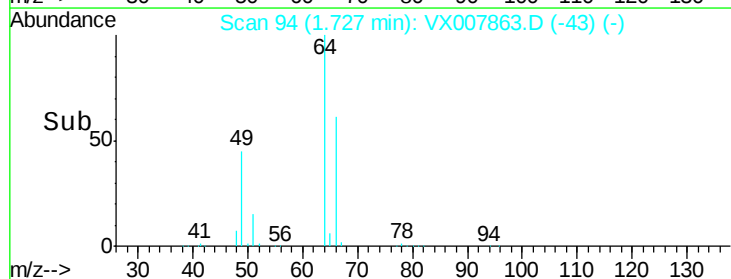
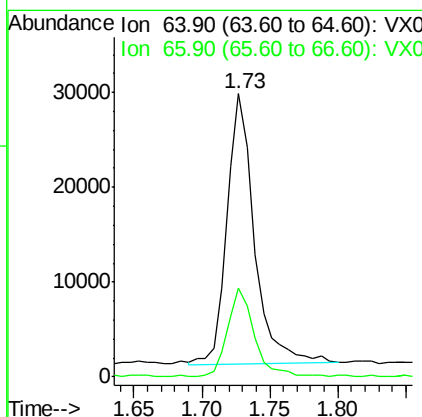
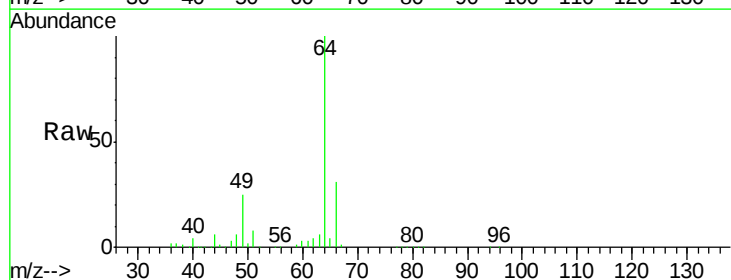
Acq: 06 Mar 2019 16:41

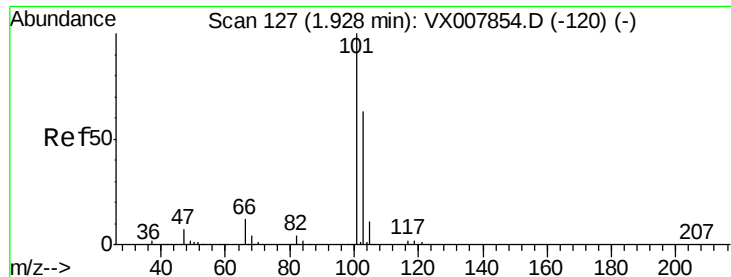
Tgt Ion: 64 Resp: 39699

Ion Ratio Lower Upper

64 100

66 32.8 25.2 37.8





#7

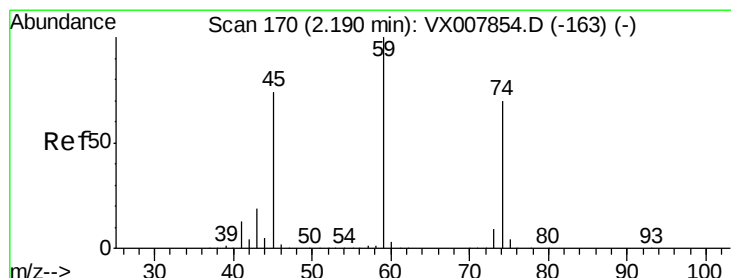
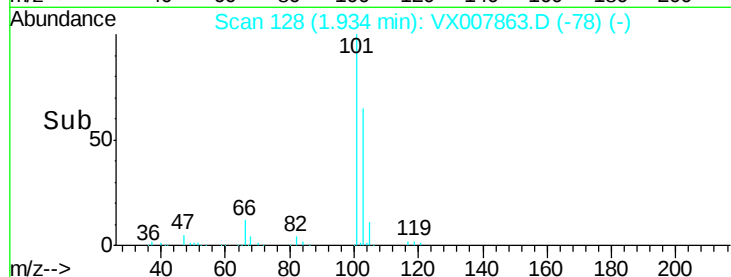
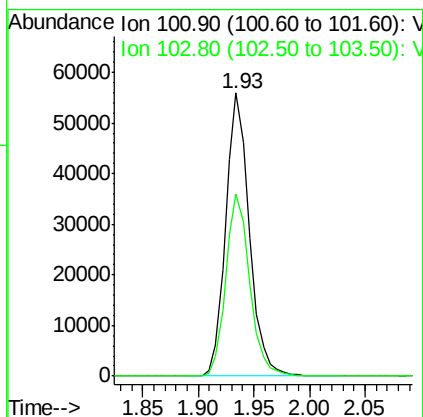
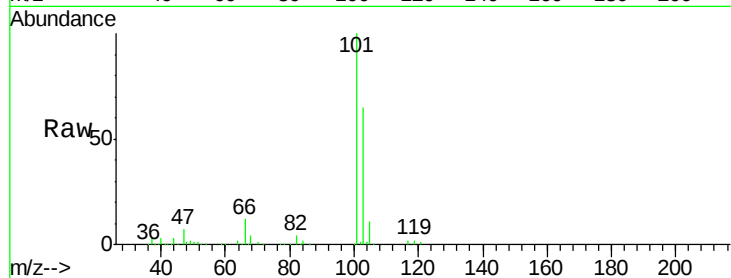
Trichlorofluoromethane
Concen: 18.379 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX007863.D
Acq: 06 Mar 2019 16:41

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100	100	81917		
103	64.6	50.4	75.6		

Manual Integrations
APPROVED

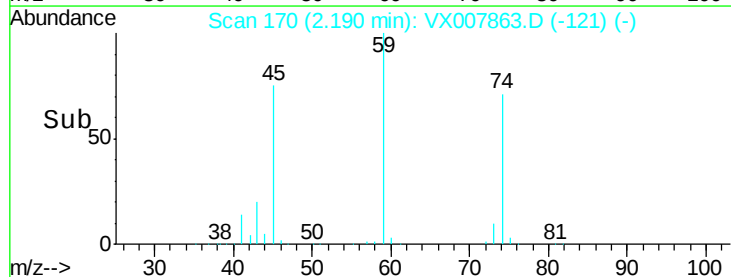
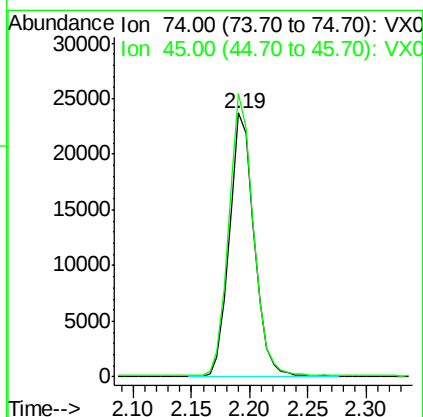
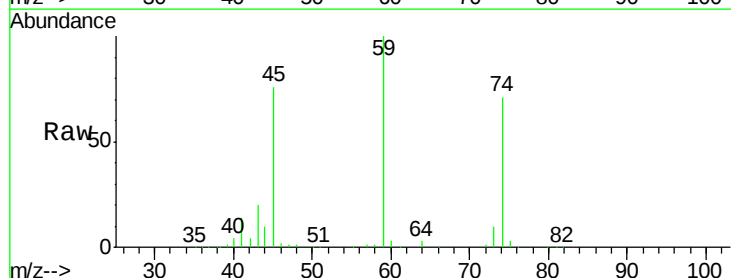
MMDadoda
3/7/2019 10:35:33 AM

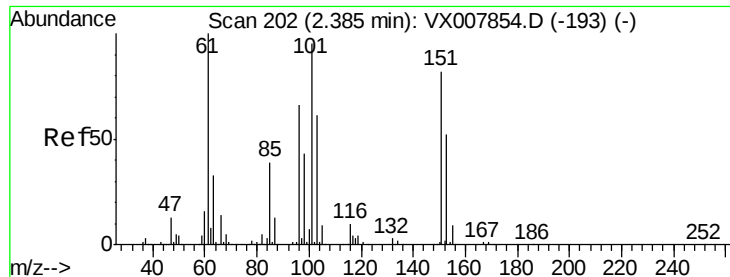


#8

Diethyl Ether
Concen: 18.238 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007863.D
Acq: 06 Mar 2019 16:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100	100	35201		
45	105.6	52.1	156.4		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.748 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX007863.D

Acq: 06 Mar 2019 16:41

Instrument :

MSVOA_X

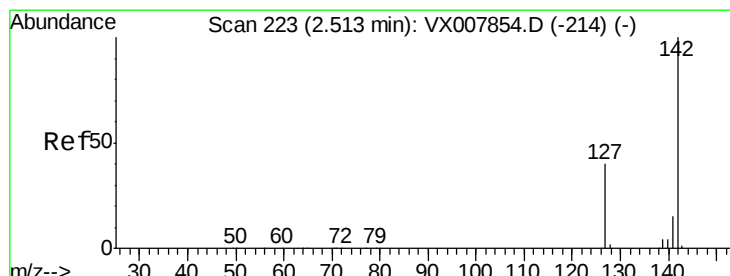
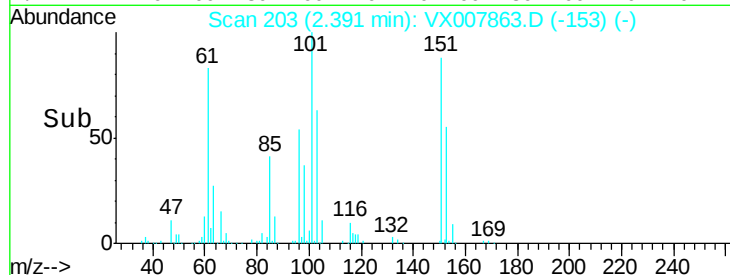
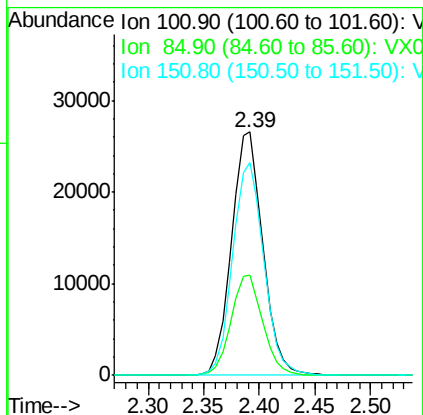
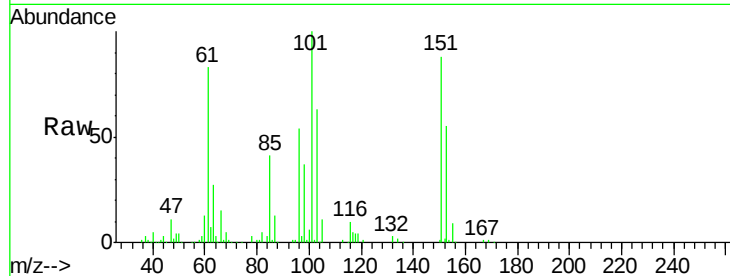
ClientSampled :

VX0306WBS01

Tot Ion:	101	Resp:	51782
Ion Ratio	Lower	Upper	
101	100		
85	41.7	33.8	50.6
151	87.3	69.1	103.7

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:35:33 AM



#10

Methyl Iodide

Concen: 19.254 ug/l

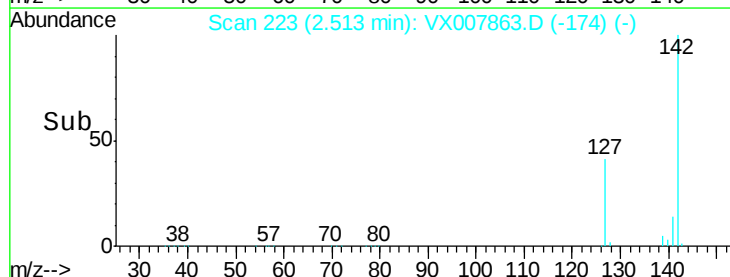
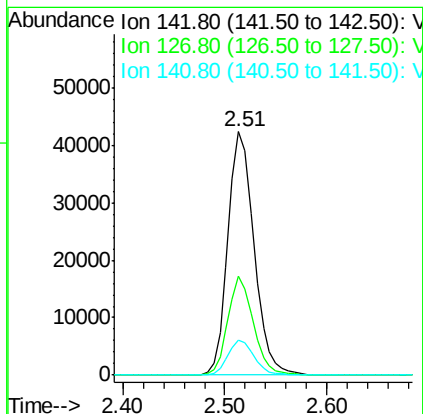
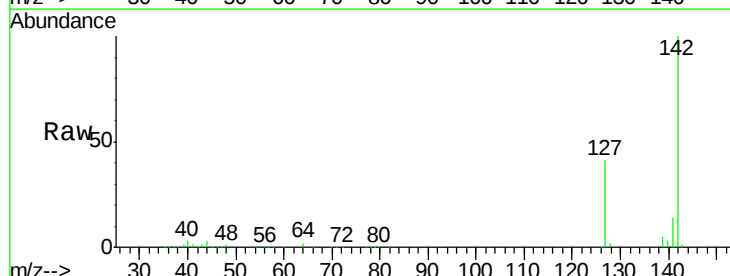
RT: 2.51 min Scan# 223

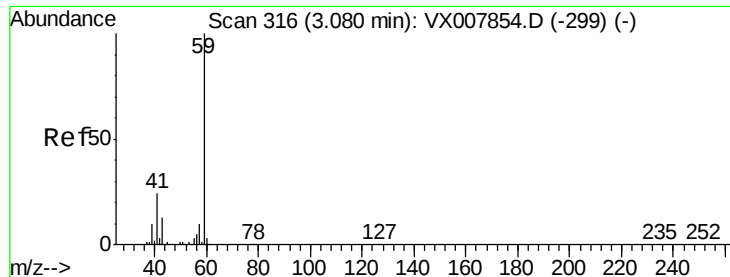
Delta R.T. 0.00 min

Lab File: VX007863.D

Acq: 06 Mar 2019 16:41

Tgt Ion:	142	Resp:	75443
Ion Ratio	Lower	Upper	
142	100		
127	39.4	32.1	48.1
141	14.2	11.4	17.2





#11

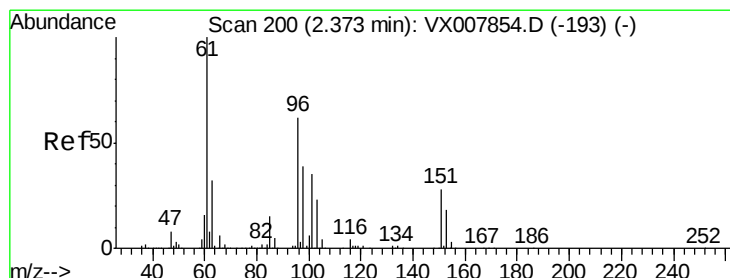
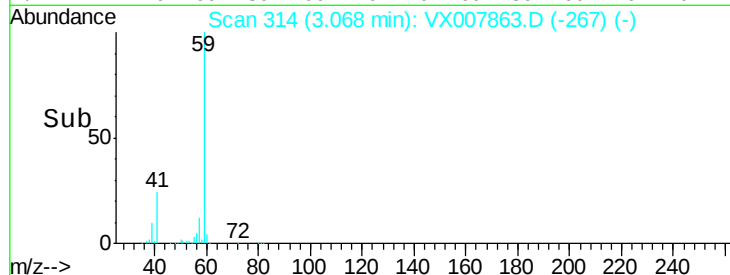
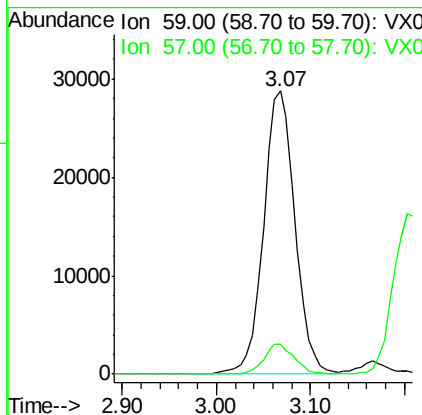
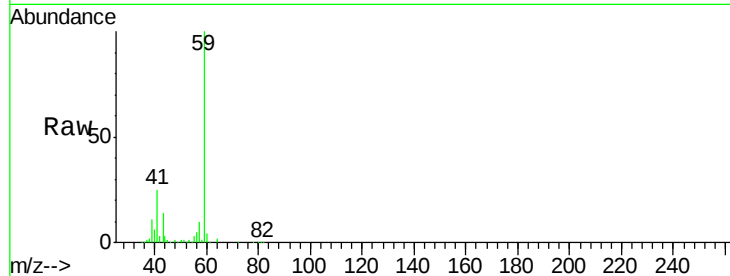
Tert butyl alcohol
 Concen: 91.015 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX007863.D
 Acq: 06 Mar 2019 16:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0306WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

Manual Integrations
 APPROVED

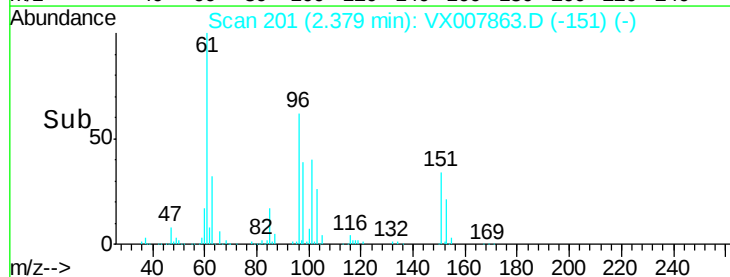
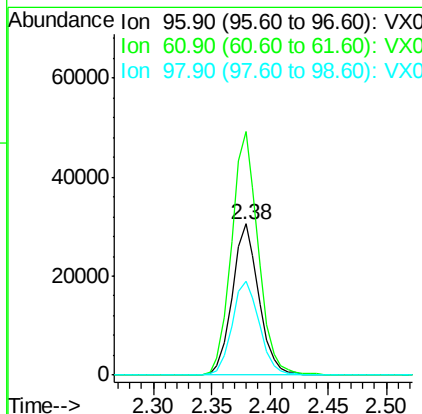
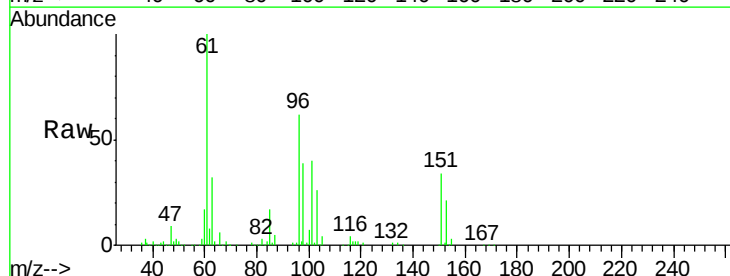
MMDadoda
 3/7/2019 10:35:33 AM

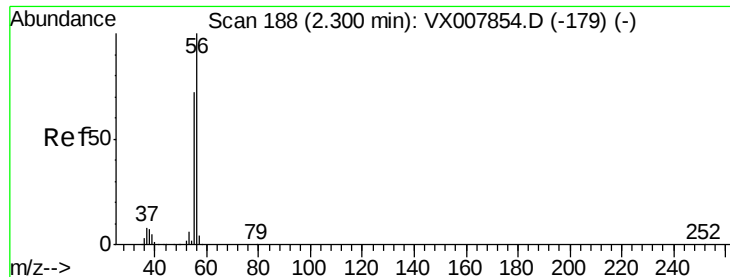


#12

1,1-Dichloroethene
 Concen: 18.230 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: VX007863.D
 Acq: 06 Mar 2019 16:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.9	129.8	194.6
98	62.4	51.0	76.6





#13

Acrolein

Concen: 95.993 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007863.D

Acq: 06 Mar 2019 16:41

Instrument :

MSVOA_X

ClientSampleId :

VX0306WBS01

Tot Ion: 56 Resp: 39704

Ion Ratio Lower Upper

56 100

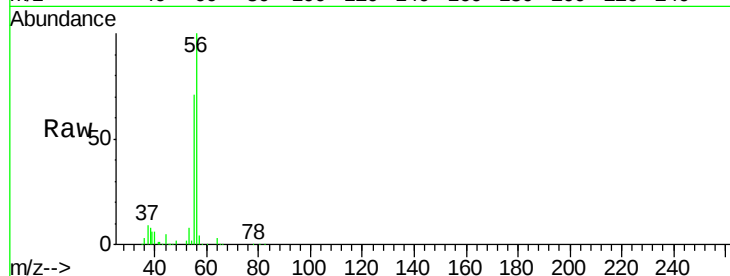
55 71.6 57.8 86.6

Manual Integrations

APPROVED

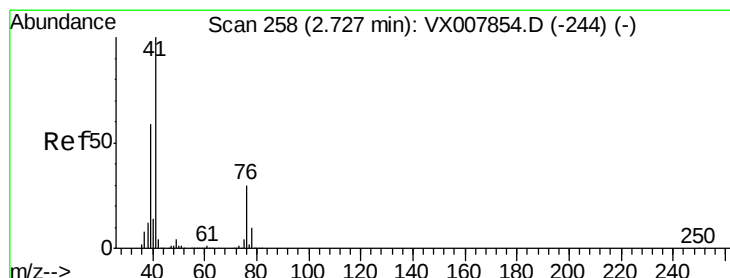
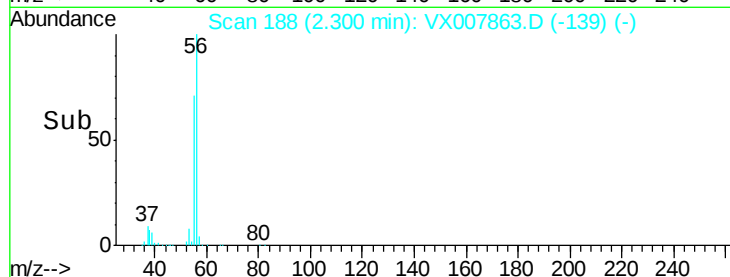
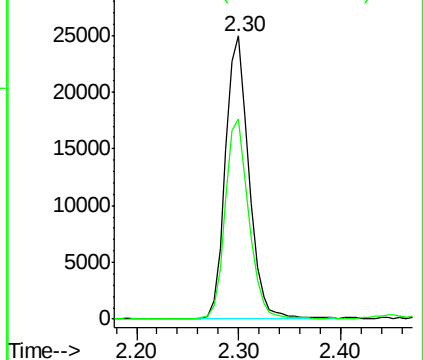
MMDadoda

3/7/2019 10:35:33 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 18.151 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX007863.D

Acq: 06 Mar 2019 16:41

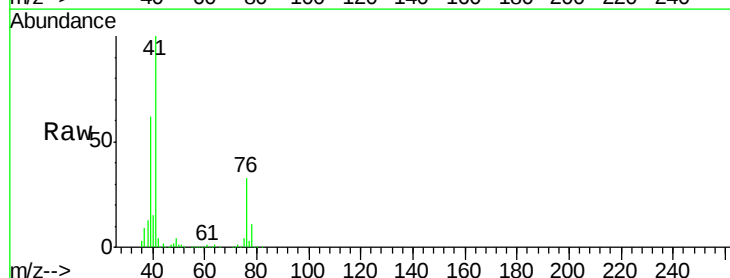
Tgt Ion: 41 Resp: 101546

Ion Ratio Lower Upper

41 100

39 58.9 46.1 69.1

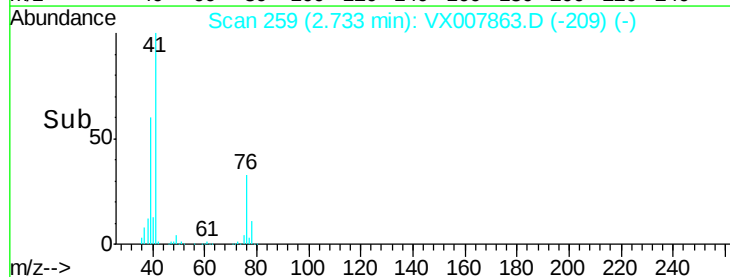
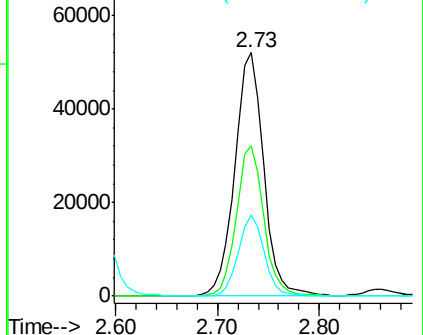
76 30.1 24.0 36.0

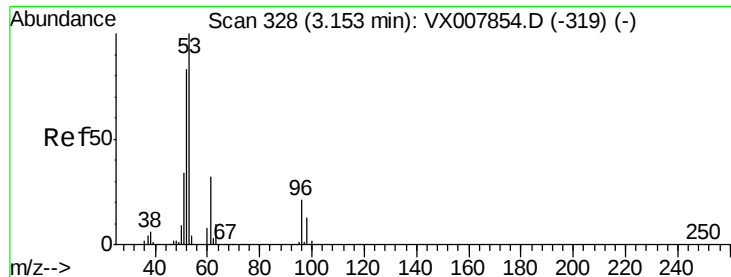


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 90.269 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007863.D

Acq: 06 Mar 2019 16:41

Instrument :

MSVOA_X

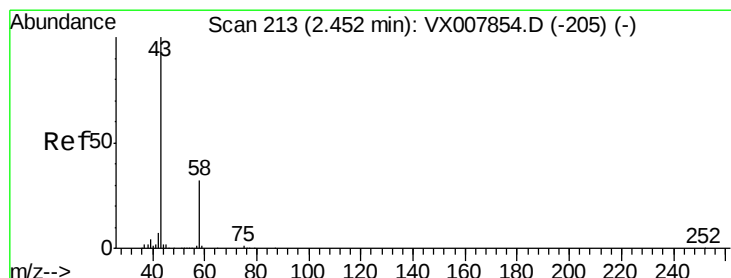
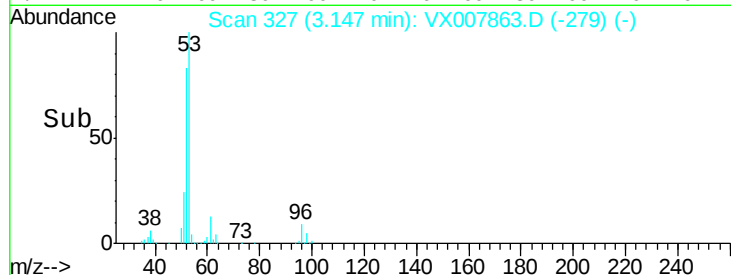
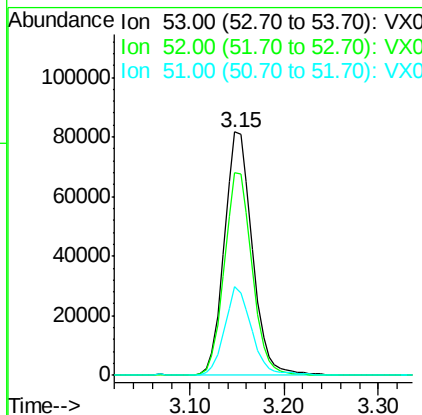
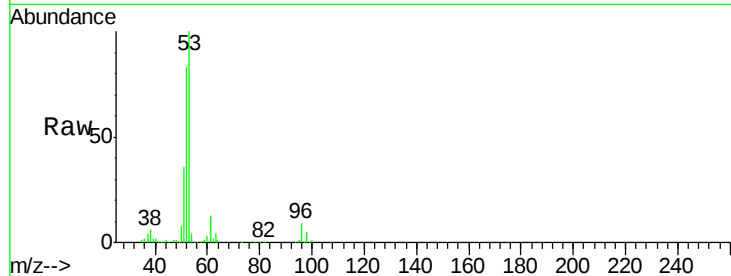
ClientSampled :

VX0306WBS01

Tot Ion:	53	Resp:	168204
Ion Ratio		Lower	Upper
53	100		
52	82.8	66.0	99.0
51	35.2	28.0	42.0

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:35:33 AM



#16

Acetone

Concen: 87.893 ug/l

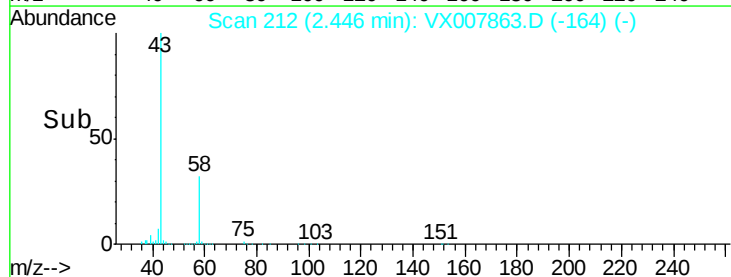
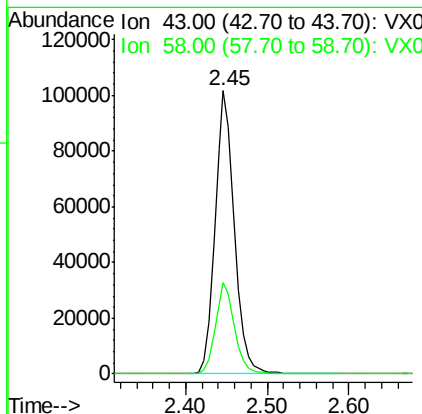
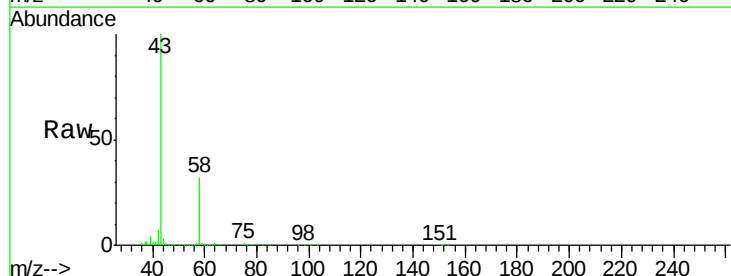
RT: 2.45 min Scan# 212

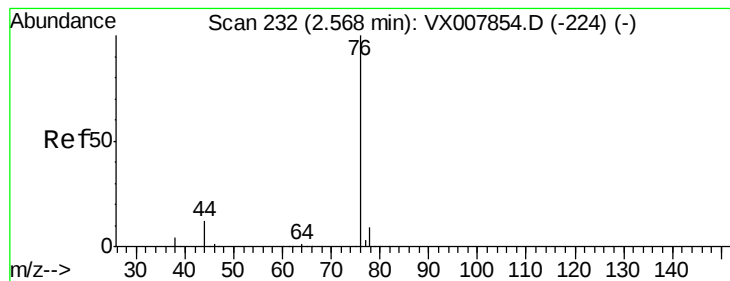
Delta R.T. -0.01 min

Lab File: VX007863.D

Acq: 06 Mar 2019 16:41

Tgt Ion:	43	Resp:	167935
Ion Ratio		Lower	Upper
43	100		
58	32.5	25.5	38.3





#17

Carbon Disulfide

Concen: 18.585 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX007863.D

Acq: 06 Mar 2019 16:41

Instrument :

MSVOA_X

ClientSampled :

VX0306WBS01

Tot Ion: 76 Resp: 152542

Ion Ratio Lower Upper

76 100

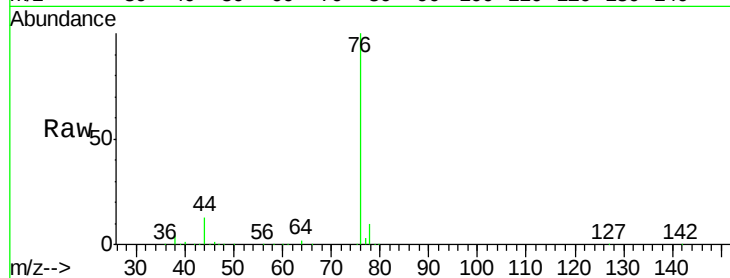
78 9.6 7.2 10.8

Manual Integrations

APPROVED

MMDadoda

3/7/2019 10:35:33 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

100000

80000

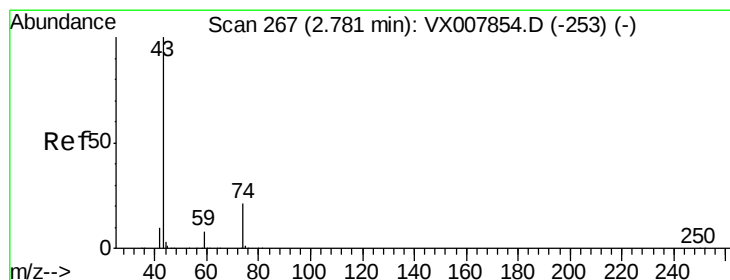
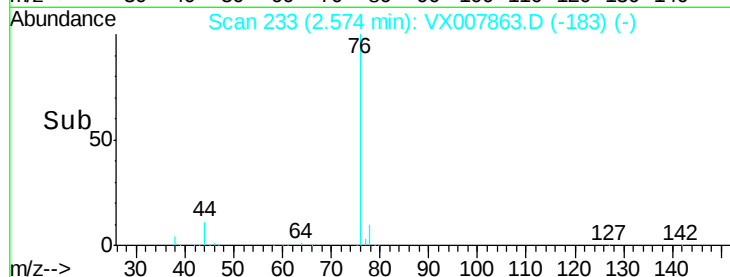
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 18.305 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX007863.D

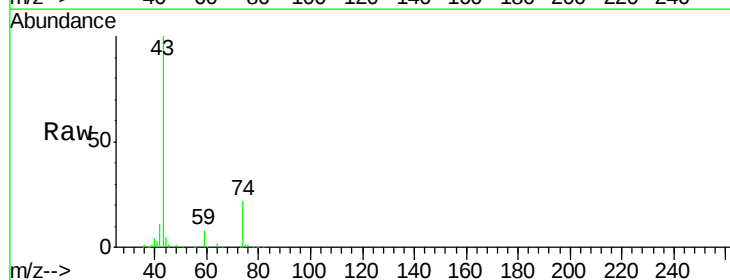
Acq: 06 Mar 2019 16:41

Tgt Ion: 43 Resp: 74303

Ion Ratio Lower Upper

43 100

74 22.4 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

40000

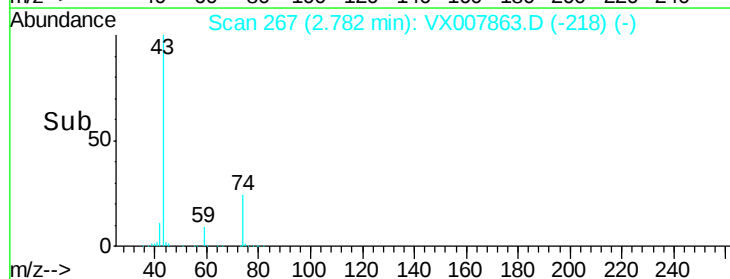
30000

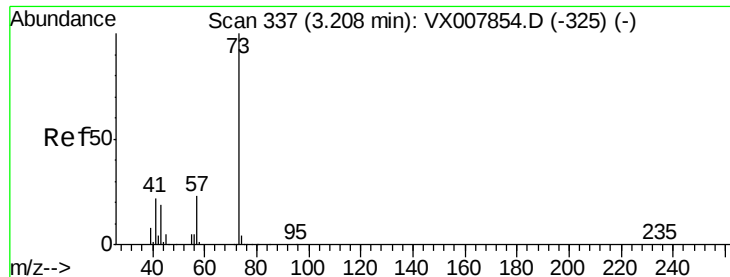
20000

10000

0

Time-->





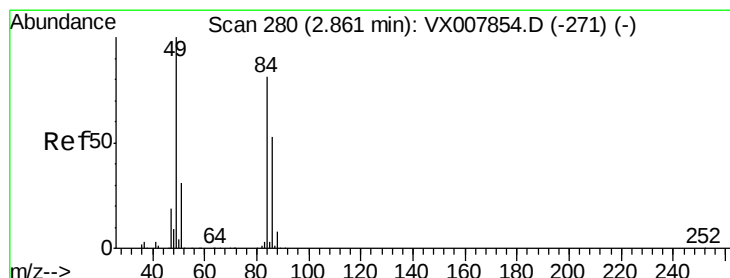
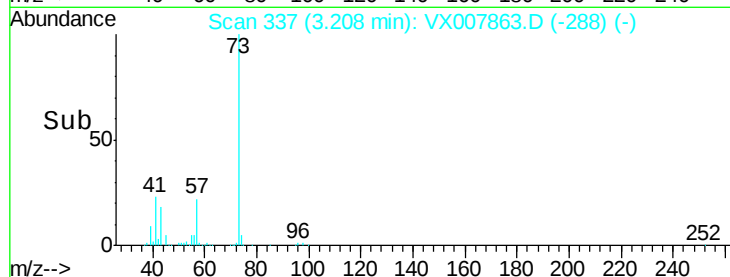
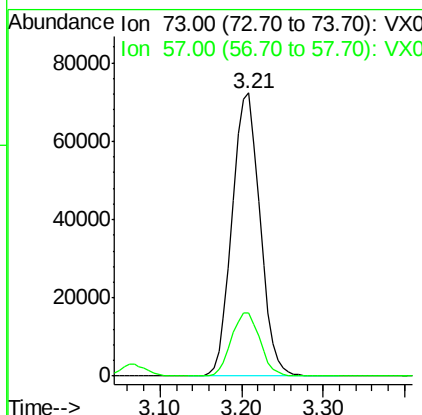
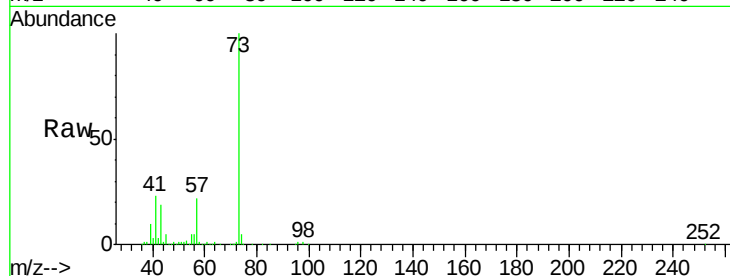
#19
Methyl tert-butyl Ether
Concen: 18.676 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX007863.D
Acq: 06 Mar 2019 16:41

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	18.2	27.4

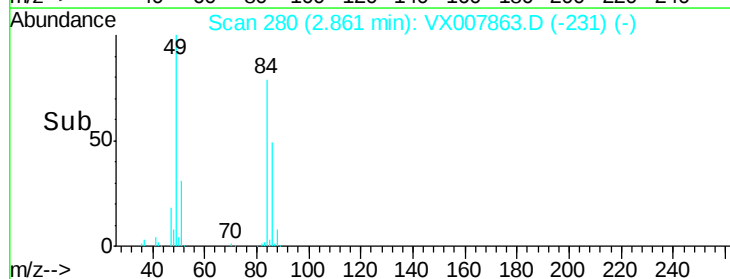
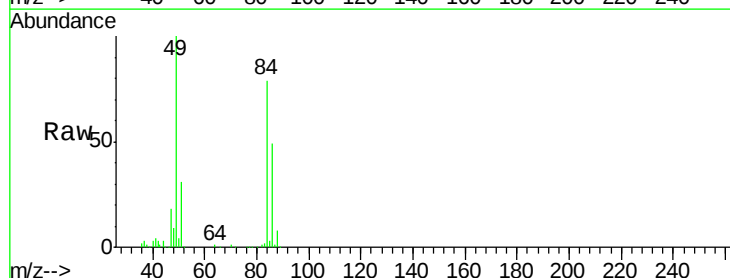
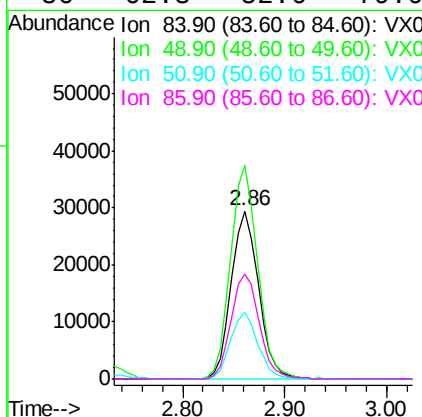
Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:35:33 AM



#20
Methylene Chloride
Concen: 17.991 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007863.D
Acq: 06 Mar 2019 16:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.0	99.3	148.9
51	39.3	31.3	46.9
86	62.3	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 17.941 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007863.D

Acq: 06 Mar 2019 16:41

Instrument :

MSVOA_X

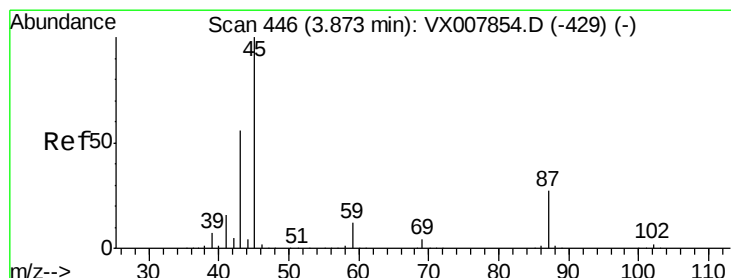
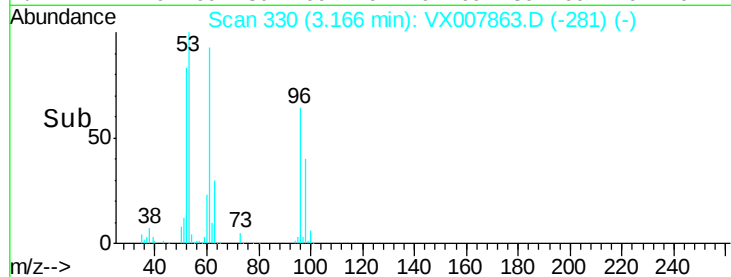
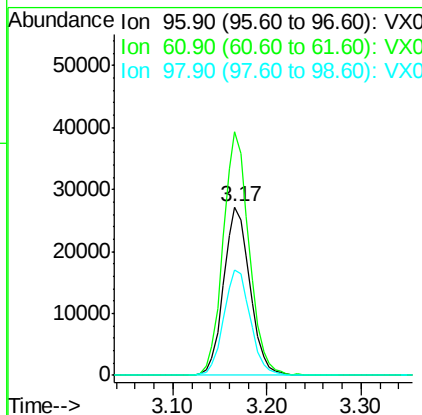
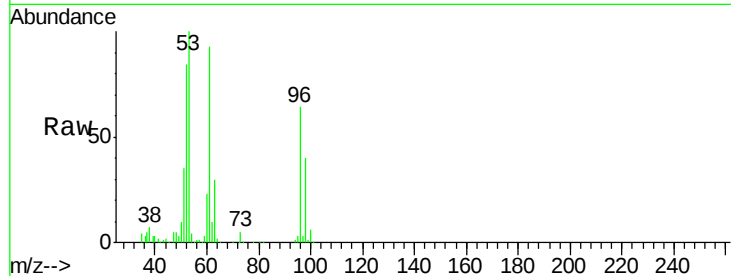
ClientSampled :

VX0306WBS01

Tot Ion:	96	Resp:	52557
Ion Ratio	Lower	Upper	
96	100		
61	144.3	114.4	171.6
98	62.4	51.1	76.7

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:35:33 AM



#22

Diisopropyl ether

Concen: 18.766 ug/l

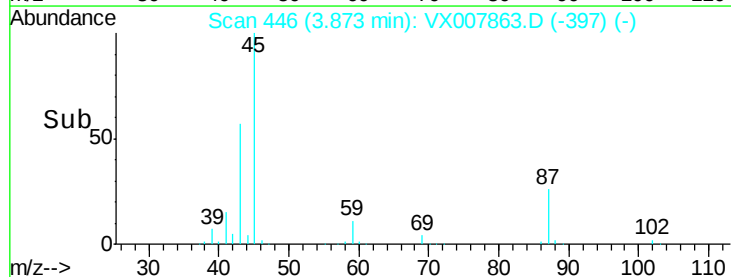
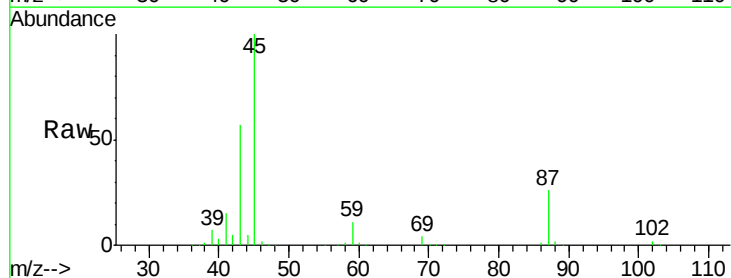
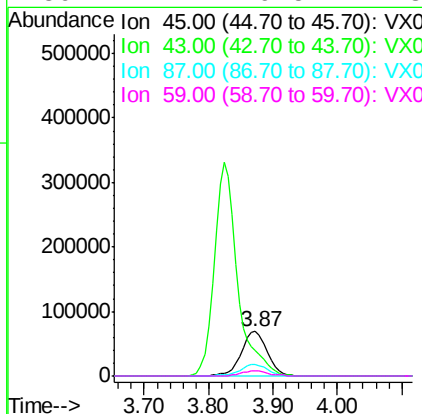
RT: 3.87 min Scan# 446

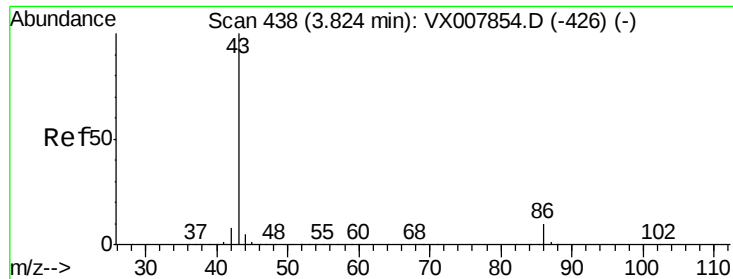
Delta R.T. 0.00 min

Lab File: VX007863.D

Acq: 06 Mar 2019 16:41

Tgt Ion:	45	Resp:	192455
Ion Ratio	Lower	Upper	
45	100		
43	56.7	45.3	67.9
87	26.2	21.4	32.0
59	11.4	9.5	14.3





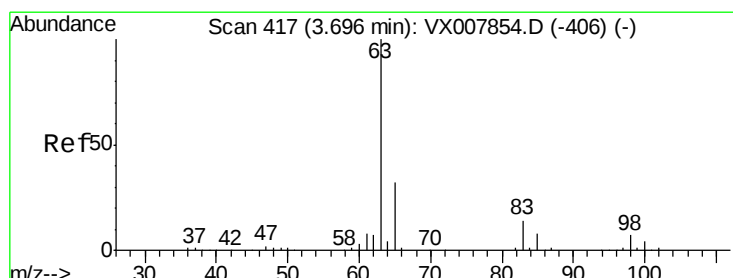
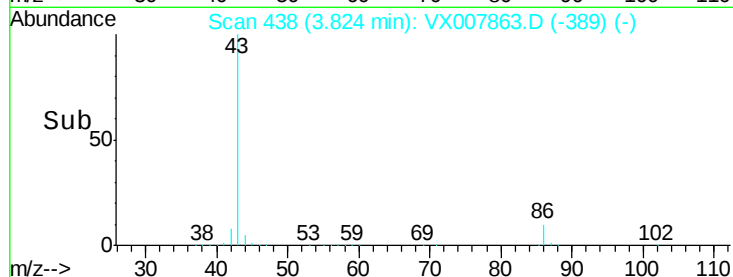
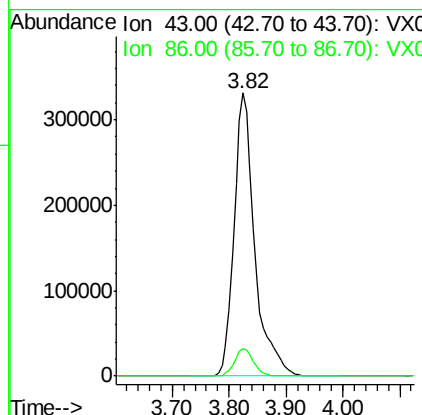
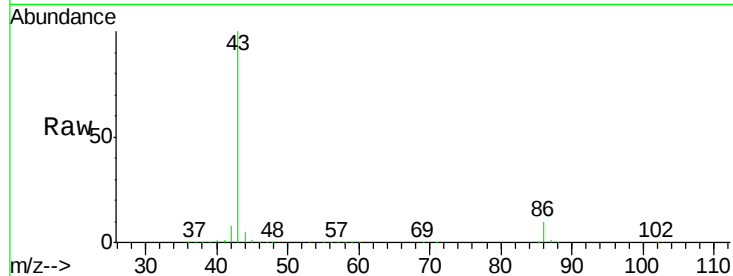
#23
 Vinyl Acetate
 Concen: 93.422 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. 0.00 min
 Lab File: VX007863.D
 Acq: 06 Mar 2019 16:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0306WBS01

Tot Ion: 43 Resp: 840169
 Ion Ratio Lower Upper
 43 100
 86 9.9 7.9 11.9

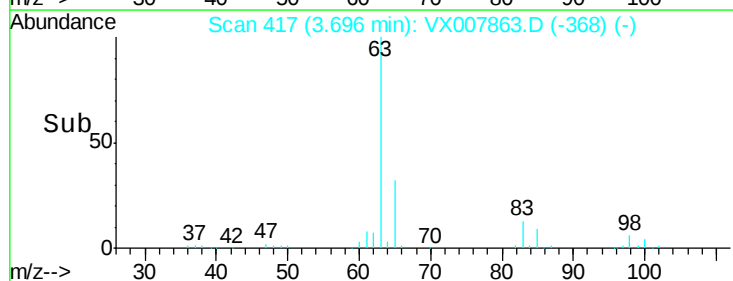
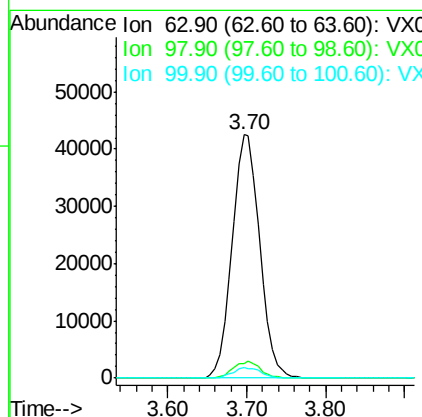
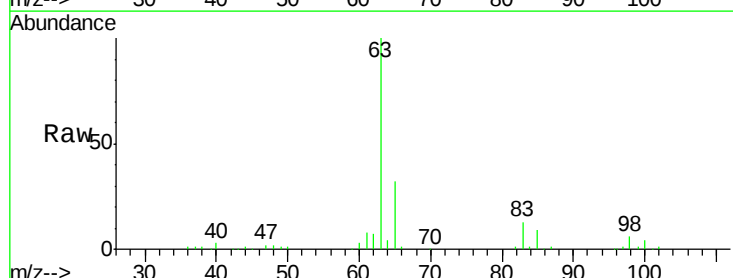
Manual Integrations
 APPROVED

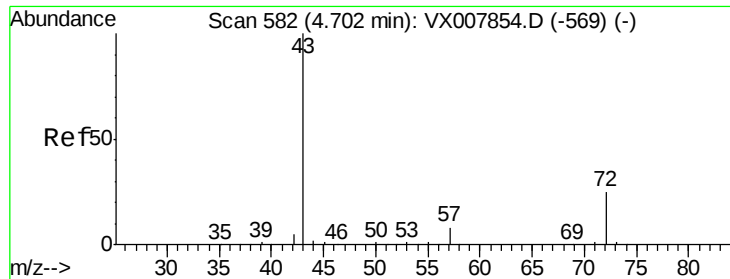
MMDadoda
 3/7/2019 10:35:33 AM



#24
 1,1-Dichloroethane
 Concen: 18.743 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: VX007863.D
 Acq: 06 Mar 2019 16:41

Tgt Ion: 63 Resp: 103442
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.3 9.8
 100 4.1 2.3 6.8





#25

2-Butanone

Concen: 90.770 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007863.D

Acq: 06 Mar 2019 16:41

Instrument :

MSVOA_X

ClientSampleId :

VX0306WBS01

Tot Ion: 43 Resp: 245535

Ion Ratio Lower Upper

43 100

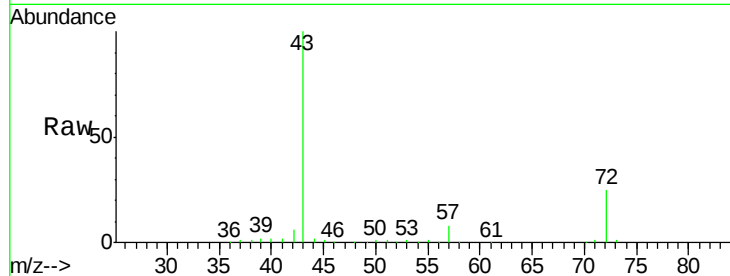
72 24.6 19.9 29.9

Manual Integrations

APPROVED

MMDadoda

3/7/2019 10:35:33 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

100000

80000

60000

40000

20000

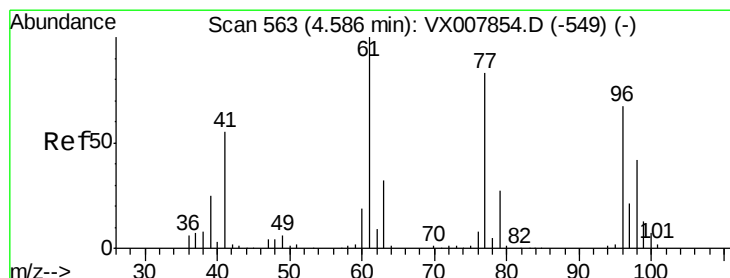
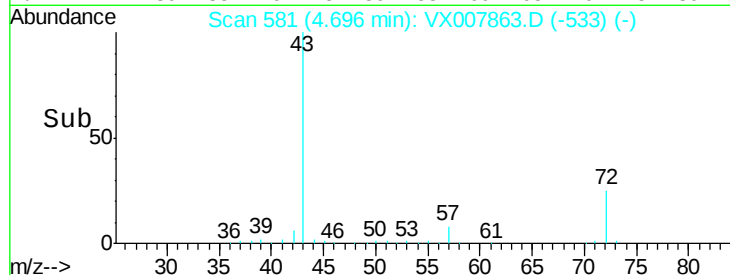
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 17.709 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX007863.D

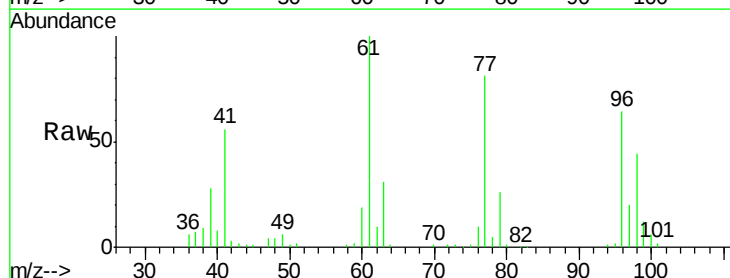
Acq: 06 Mar 2019 16:41

Tgt Ion: 77 Resp: 64752

Ion Ratio Lower Upper

77 100

97 25.2 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

20000

15000

10000

5000

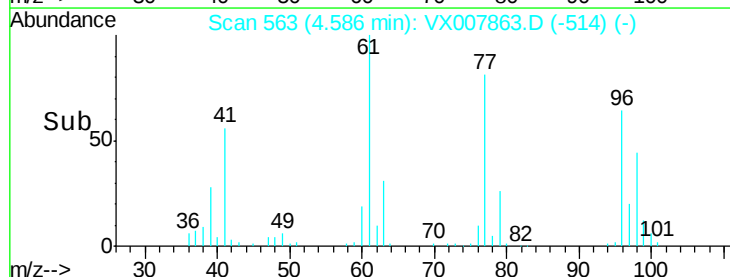
0

4.50

4.60

4.70

Time-->





#27

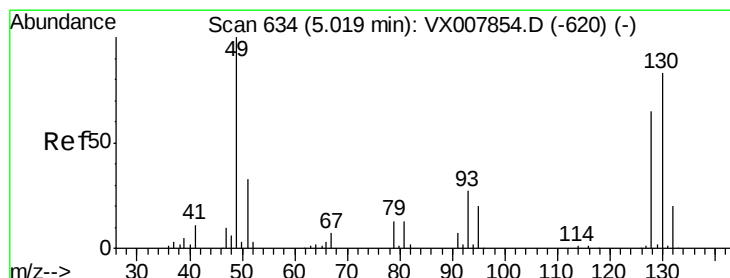
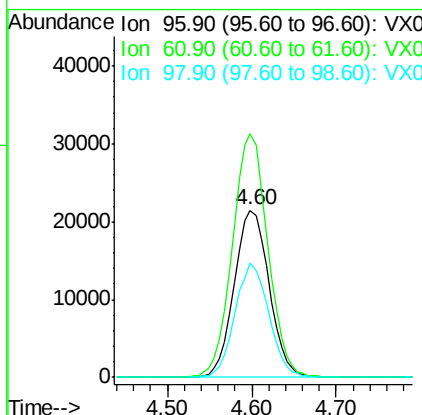
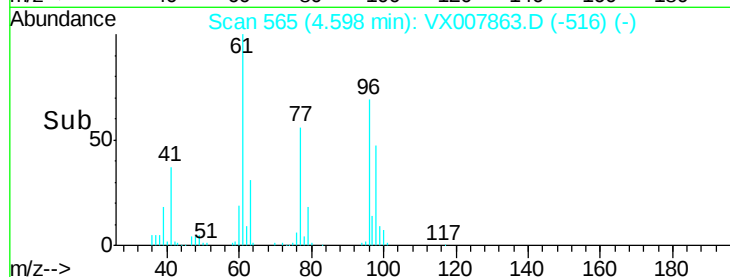
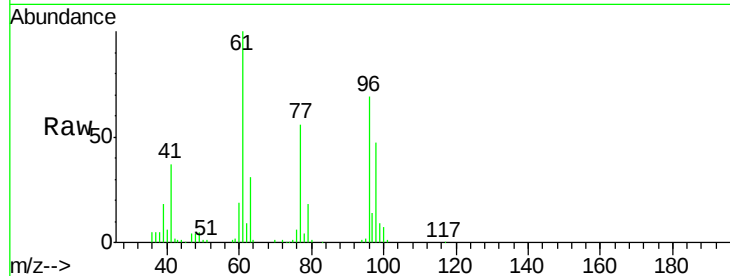
cis-1,2-Dichloroethene
Concen: 17.914 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007863.D
Acq: 06 Mar 2019 16:41

Instrument :
MSVOA_X
ClientSampled :
VX0306WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.1	0.0	288.0
98	66.5	0.0	129.0

Manual Integrations
APPROVED

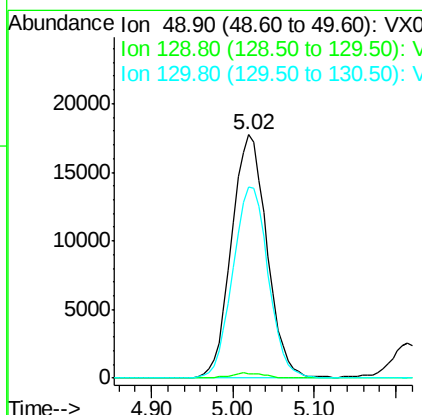
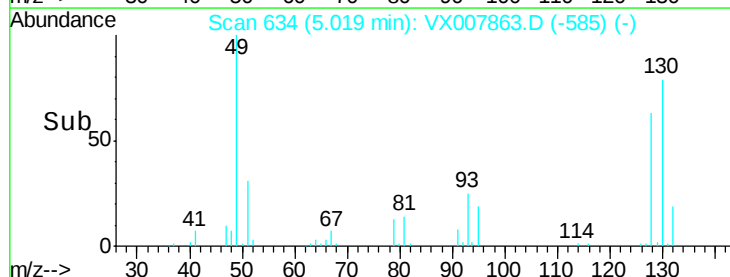
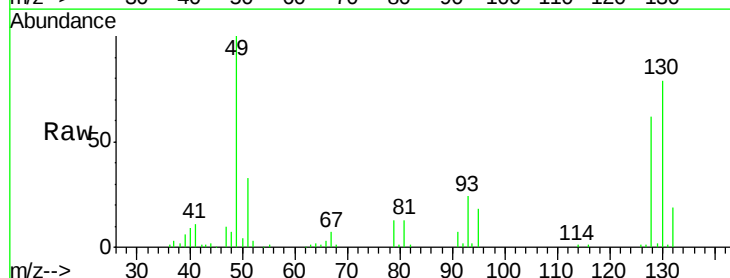
MMDadoda
3/7/2019 10:35:33 AM

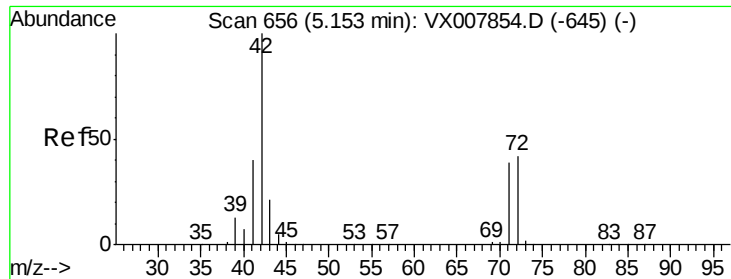


#28

Bromochloromethane
Concen: 20.734 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007863.D
Acq: 06 Mar 2019 16:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	78.9	65.0	97.4





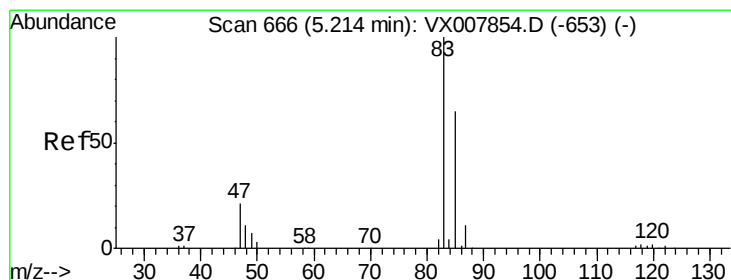
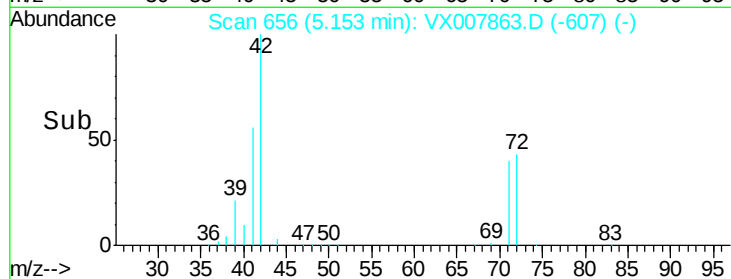
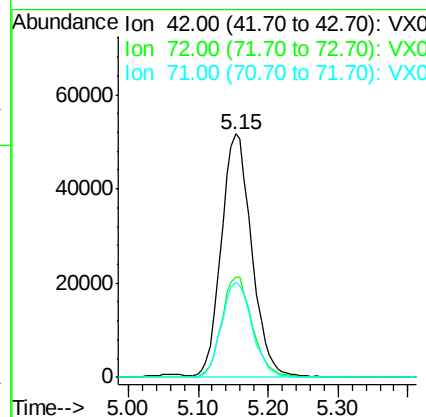
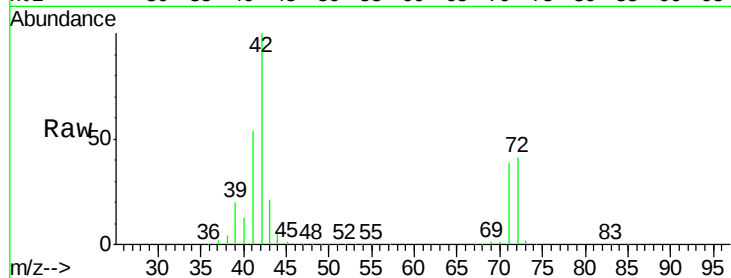
#29
Tetrahydrofuran
Concen: 92.339 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX007863.D
Acq: 06 Mar 2019 16:41

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.8	50.6
71	39.3	31.5	47.3

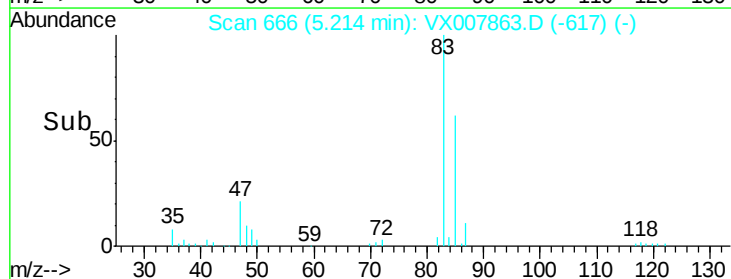
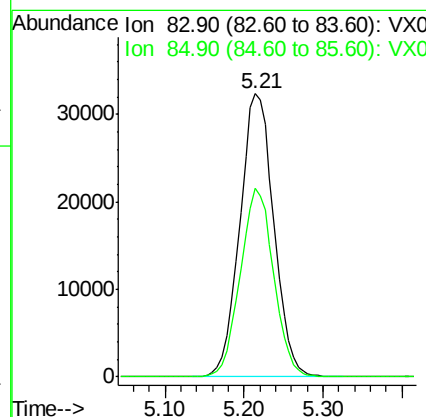
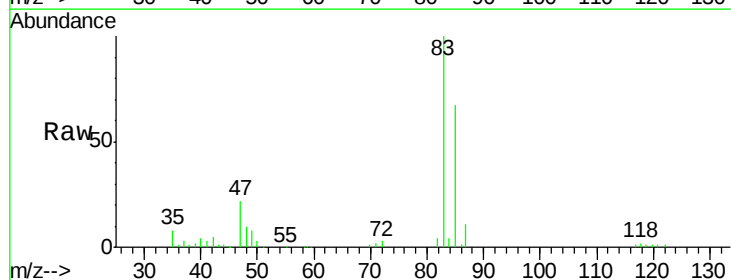
Manual Integrations
APPROVED

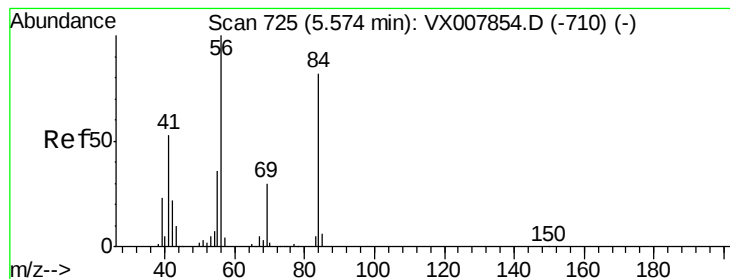
MMDadoda
3/7/2019 10:35:33 AM



#30
Chloroform
Concen: 18.545 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007863.D
Acq: 06 Mar 2019 16:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	51.8	77.6





#31

Cyclohexane

Concen: 19.050 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX007863.D

Acq: 06 Mar 2019 16:41

Instrument :

MSVOA_X

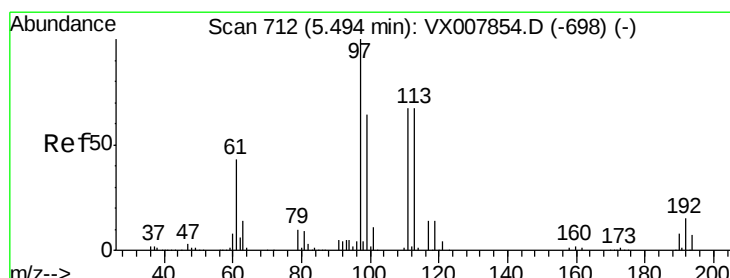
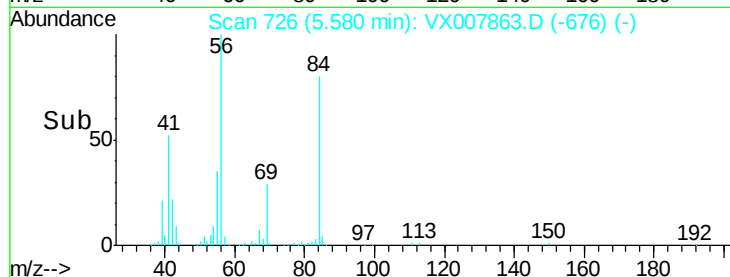
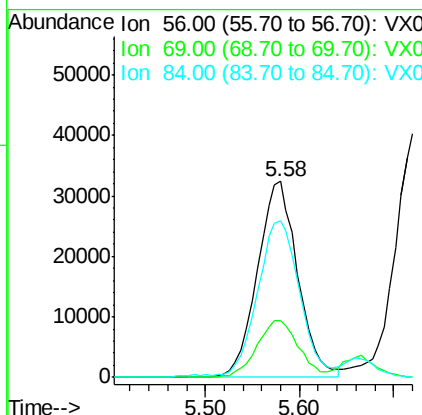
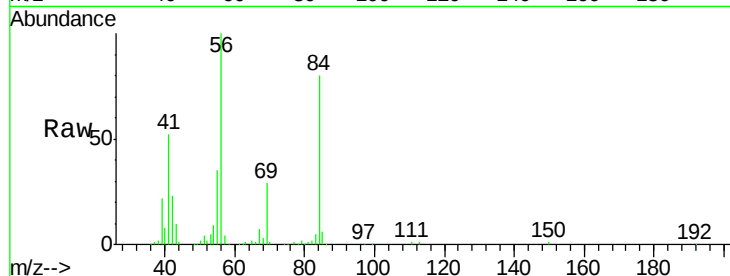
ClientSampled :

VX0306WBS01

Tot Ion:	56	Resp:	96625
Ion	Ratio	Lower	Upper
56	100		
69	29.1	24.0	36.0
84	78.7	65.3	97.9

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:35:33 AM



#32

1,1,1-Trichloroethane

Concen: 18.283 ug/l

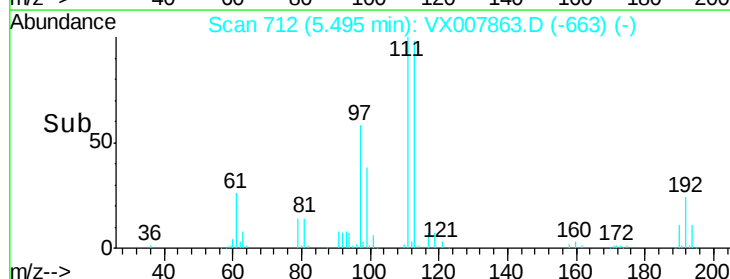
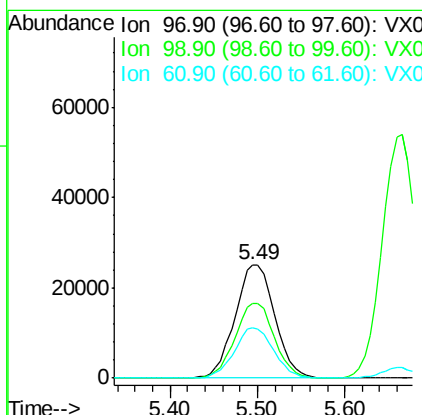
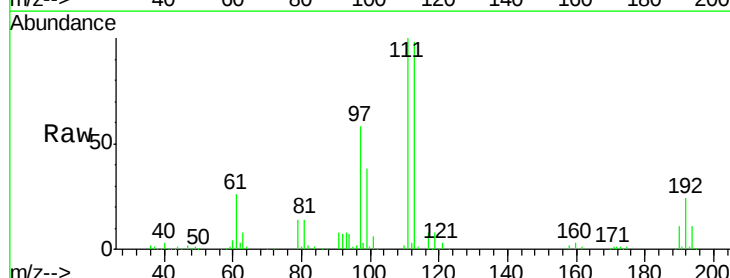
RT: 5.49 min Scan# 712

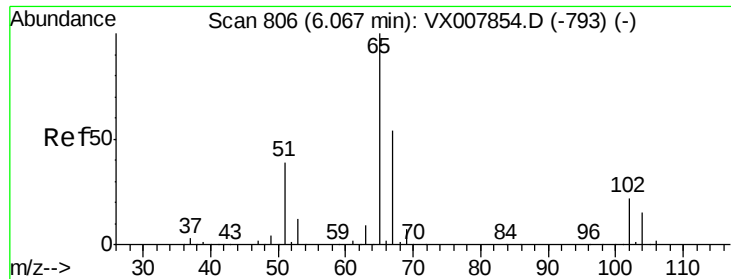
Delta R.T. 0.00 min

Lab File: VX007863.D

Acq: 06 Mar 2019 16:41

Tgt Ion:	97	Resp:	79192
Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.2	78.2
61	44.1	34.9	52.3





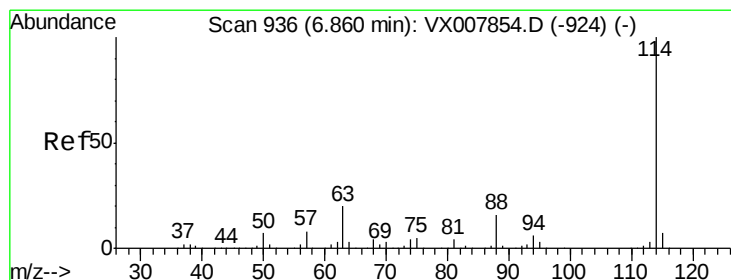
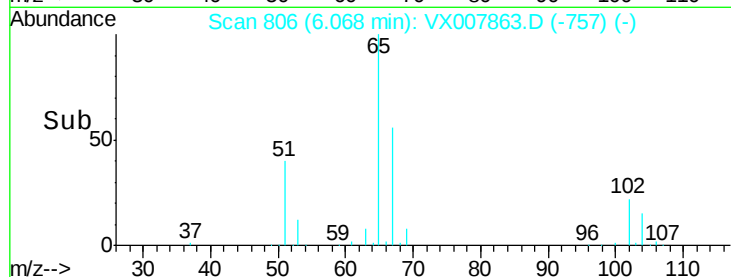
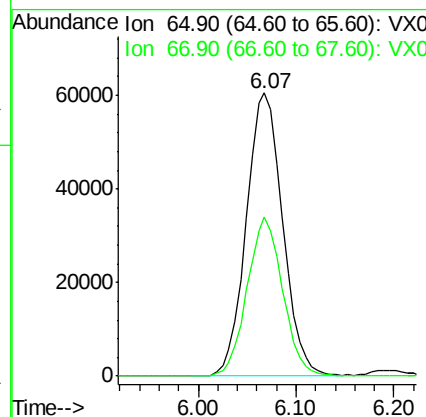
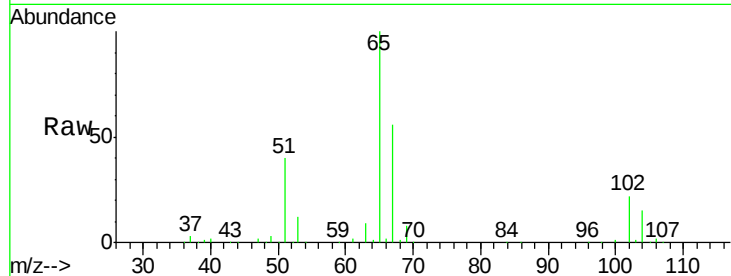
#33
 1,2-Dichloroethane-d4
 Concen: 47.426 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007863.D
 Acq: 06 Mar 2019 16:41

Instrument :
 MSVOA_X
 ClientSampled :
 VX0306WBS01

Tot Ion: 65 Resp: 156557
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 110.0

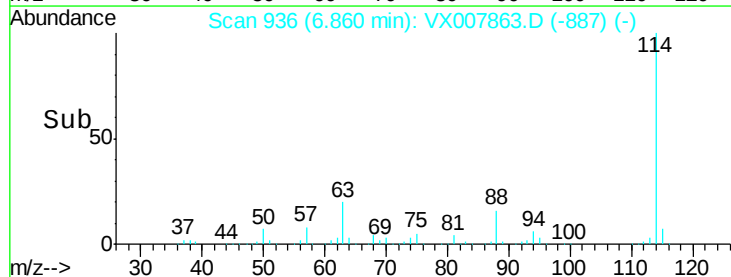
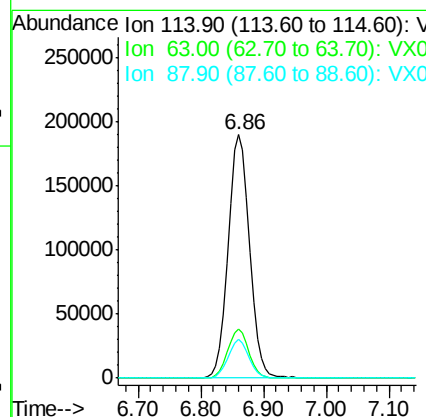
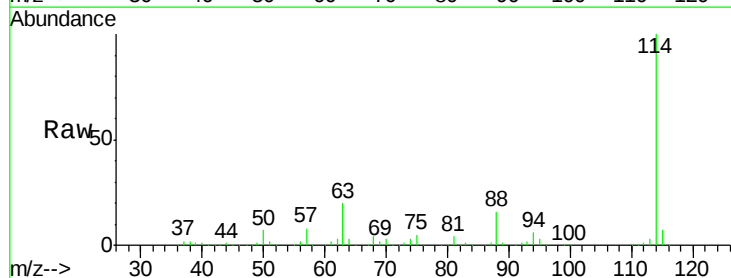
Manual Integrations
 APPROVED

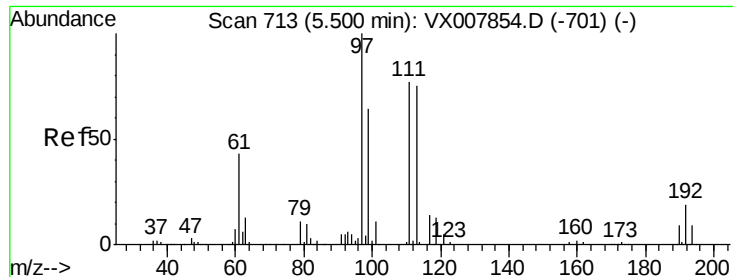
MMDadoda
 3/7/2019 10:35:33 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007863.D
 Acq: 06 Mar 2019 16:41

Tgt Ion: 114 Resp: 447607
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.8
 88 15.7 0.0 31.4





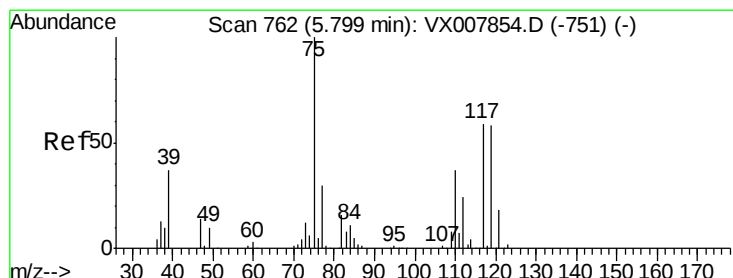
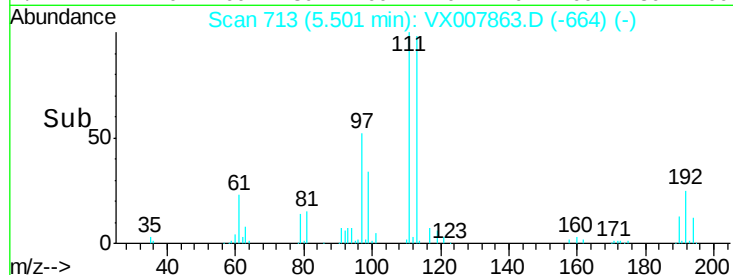
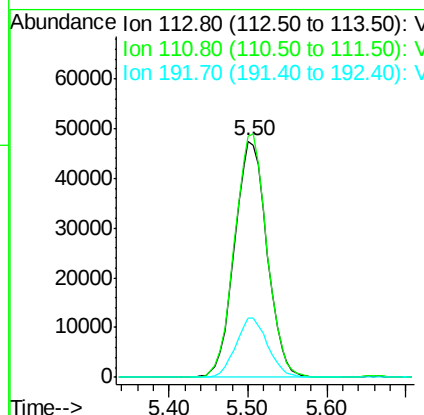
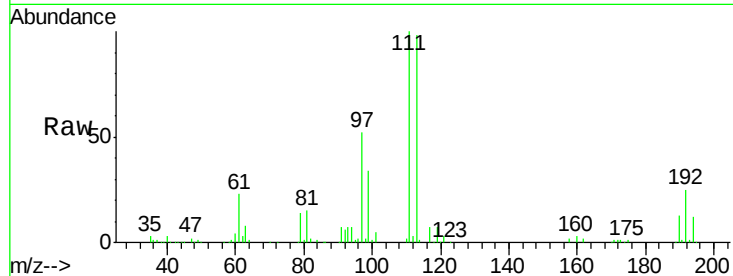
#35
 Dibromofluoromethane
 Concen: 47.634 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX007863.D
 Acq: 06 Mar 2019 16:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0306WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.4	122.0
192	24.6	19.4	29.0

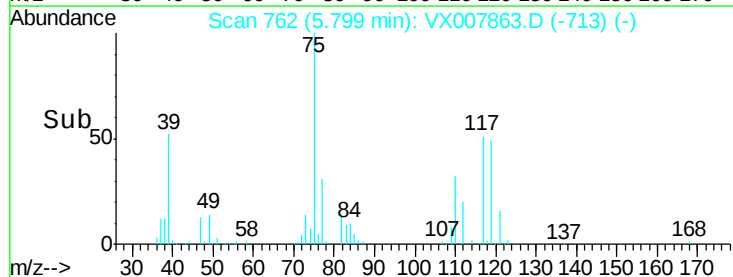
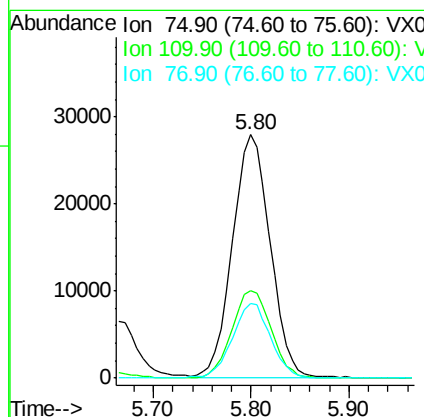
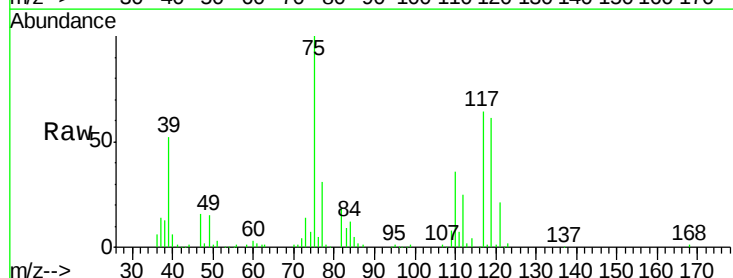
Manual Integrations
 APPROVED

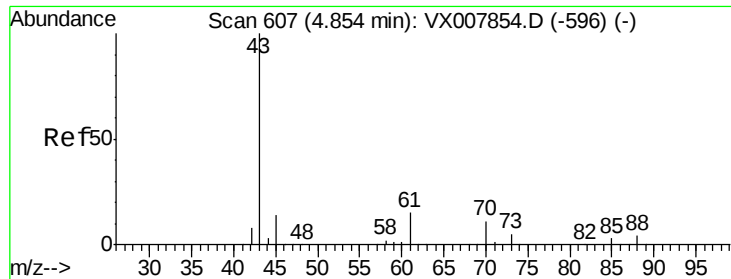
MMDadoda
 3/7/2019 10:35:33 AM



#36
 1,1-Dichloropropene
 Concen: 18.377 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX007863.D
 Acq: 06 Mar 2019 16:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.6	18.4	55.0
77	31.4	25.0	37.4





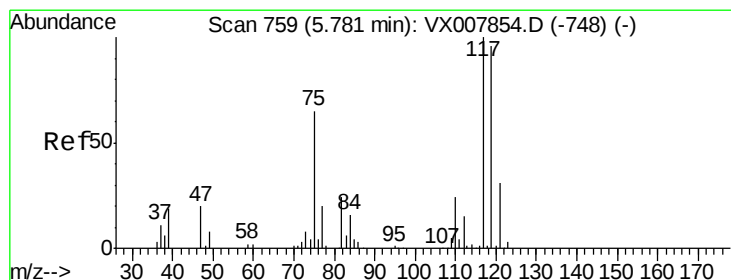
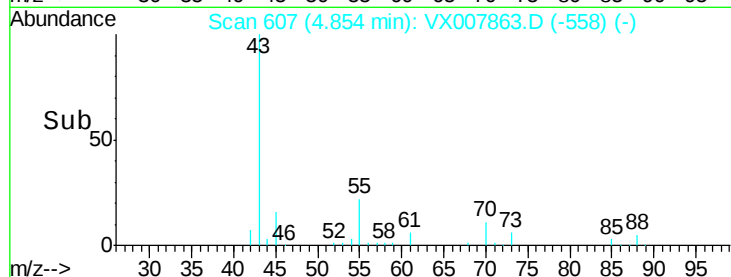
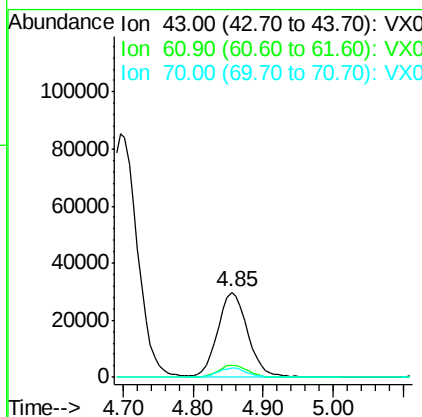
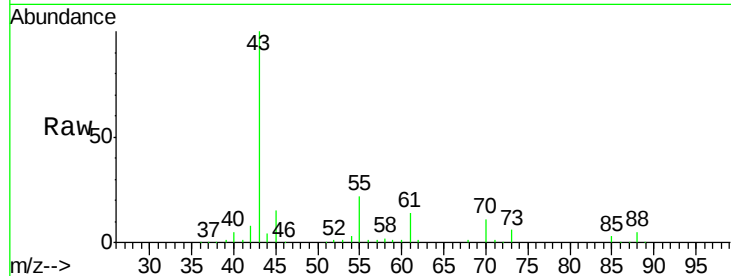
#37
Ethyl Acetate
Concen: 18.284 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX007863.D
Acq: 06 Mar 2019 16:41

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.3	16.9
70	10.9	8.5	12.7

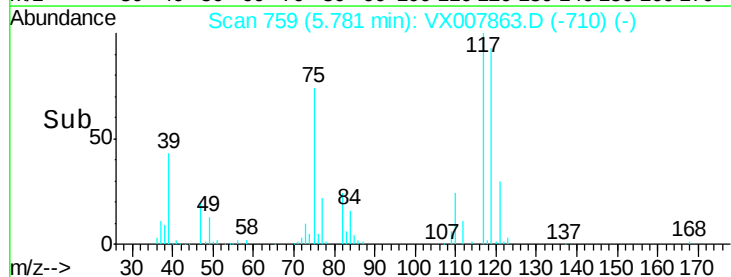
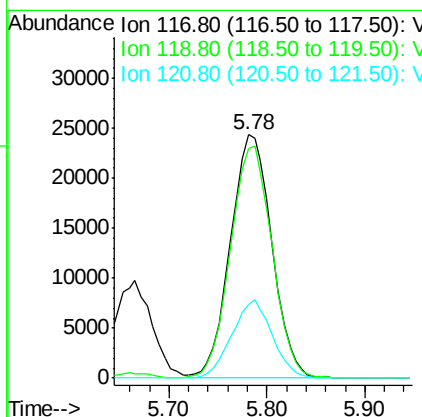
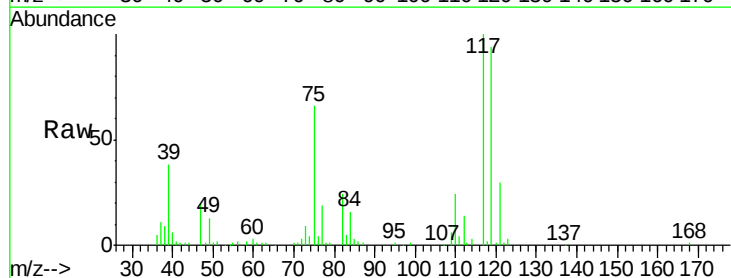
Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:35:33 AM



#38
Carbon Tetrachloride
Concen: 18.596 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007863.D
Acq: 06 Mar 2019 16:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	76.2	114.2
121	30.1	24.6	36.8





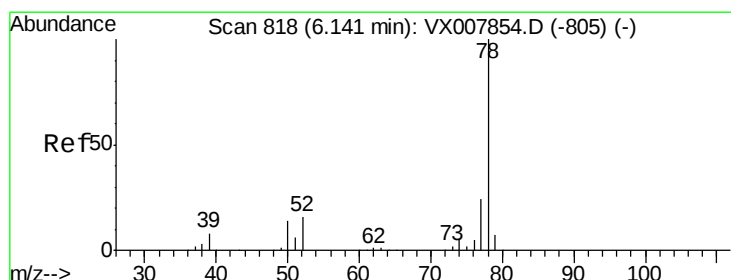
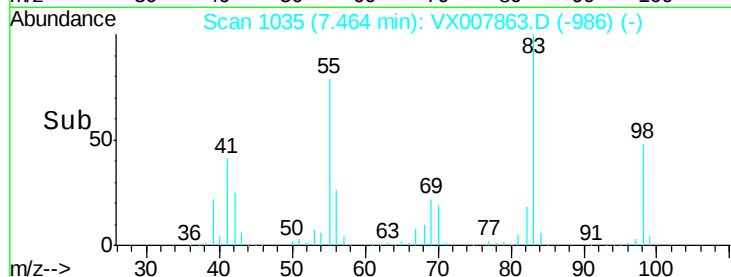
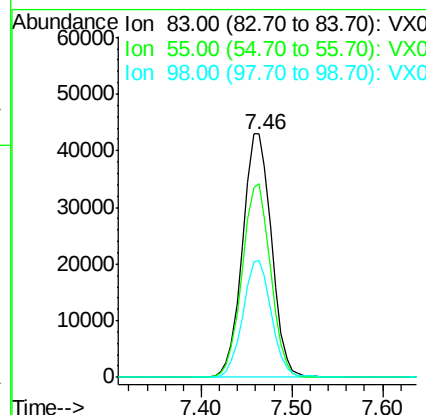
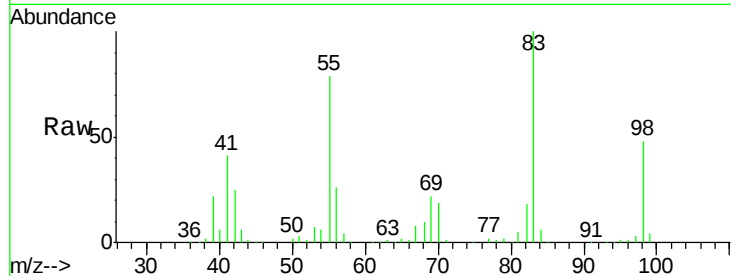
#39
Methylvlcvclohexane
Concen: 19.406 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007863.D
Acq: 06 Mar 2019 16:41

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.3	60.4	90.6
98	47.8	36.5	54.7

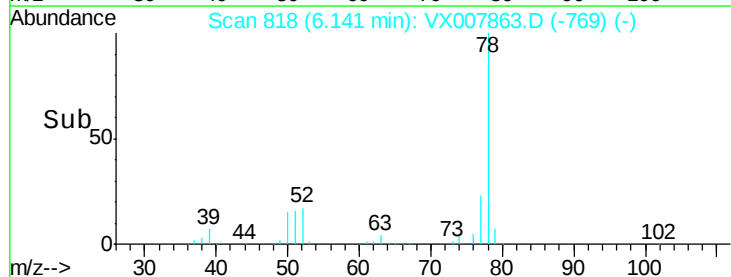
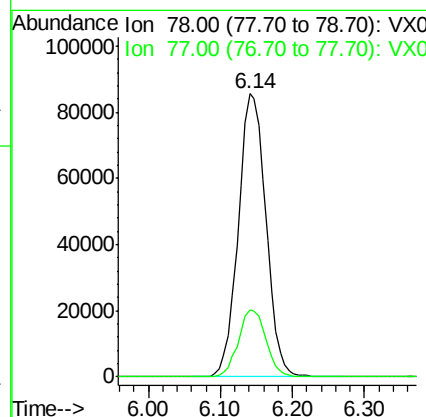
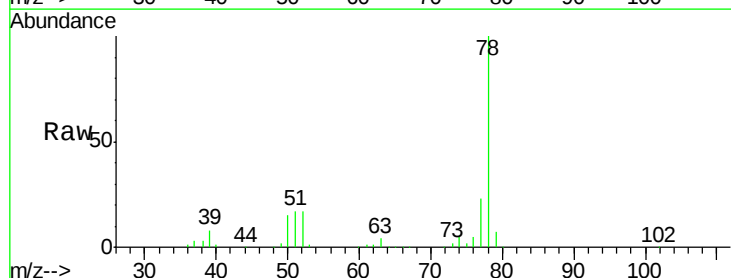
Manual Integrations
APPROVED

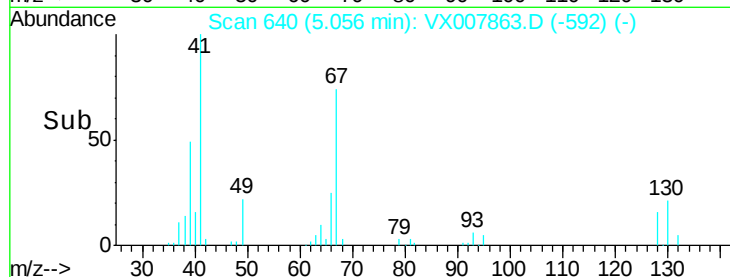
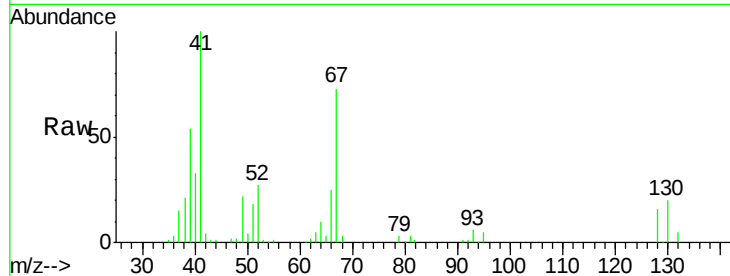
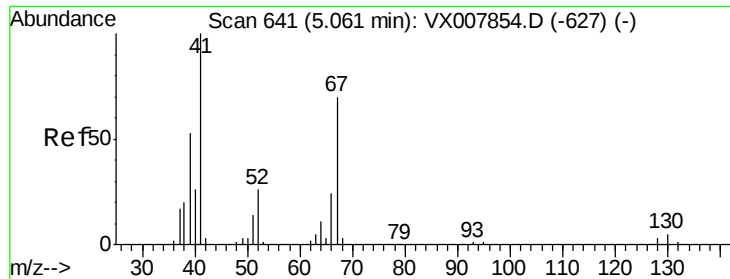
MMDadoda
3/7/2019 10:35:33 AM



#40
Benzene
Concen: 18.895 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007863.D
Acq: 06 Mar 2019 16:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4





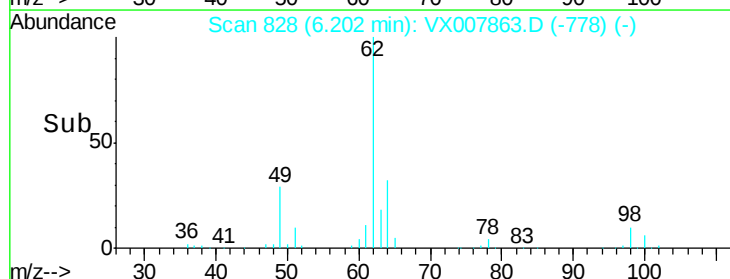
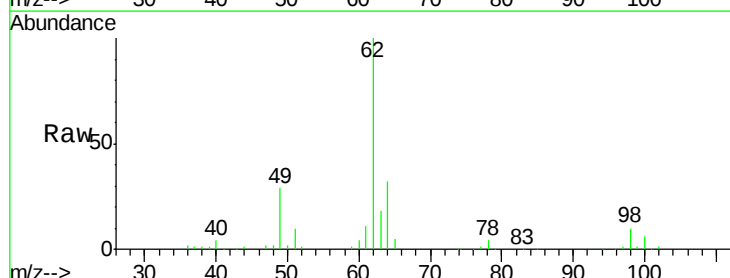
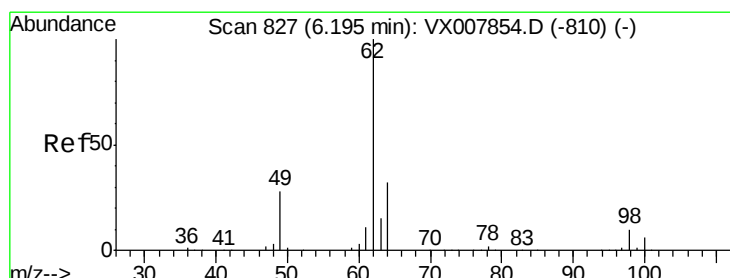
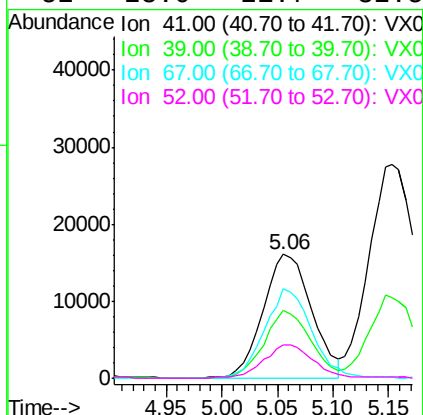
#41
Methacrylonitrile
Concen: 18.708 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX007863.D
Acq: 06 Mar 2019 16:41

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.5	41.6	62.4	
67	69.9	55.8	83.6	
52	28.0	21.7	32.5	

Instrument :
MSVOA_X
ClientSampled :
VX0306WBS01

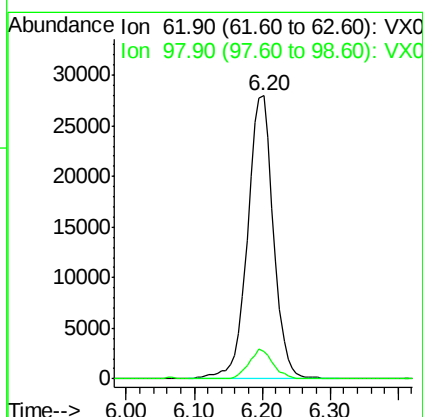
Manual Integrations
APPROVED

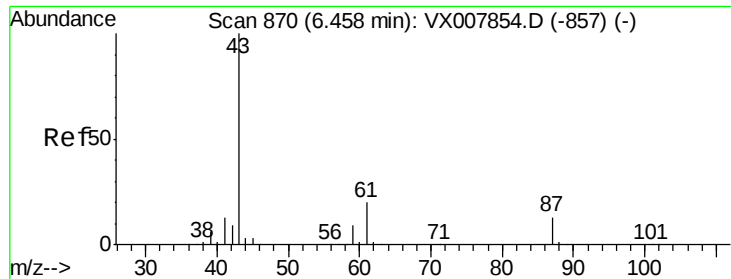
MMDadoda
3/7/2019 10:35:33 AM



#42
1,2-Dichloroethane
Concen: 18.796 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX007863.D
Acq: 06 Mar 2019 16:41

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	20.4	





#43

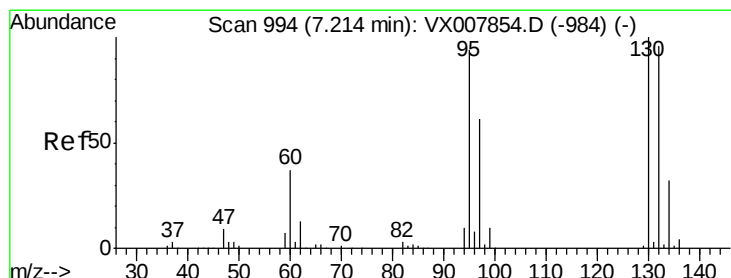
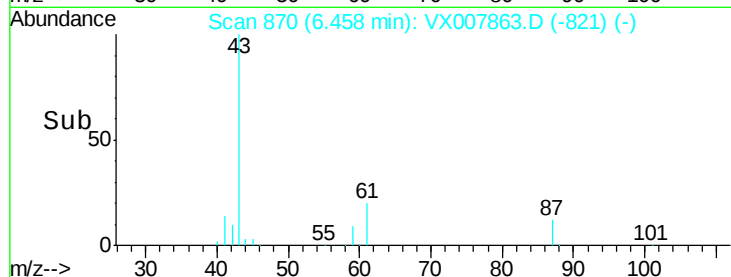
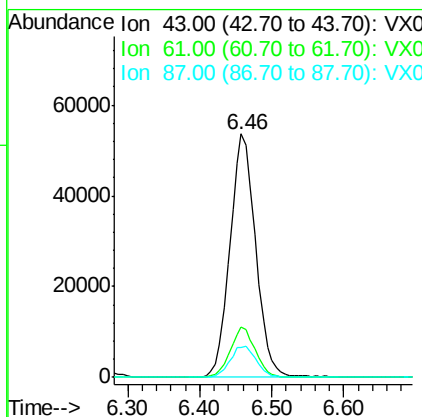
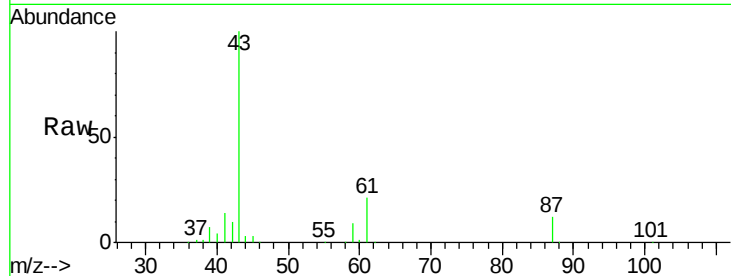
Isopropyl Acetate
 Concen: 18.628 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX007863.D
 Acq: 06 Mar 2019 16:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0306WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.0	16.3	24.5
87	13.1	10.5	15.7

Manual Integrations
 APPROVED

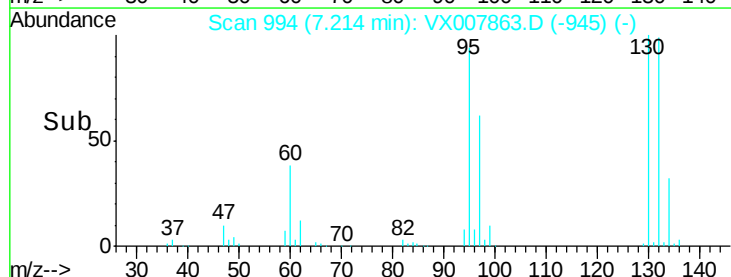
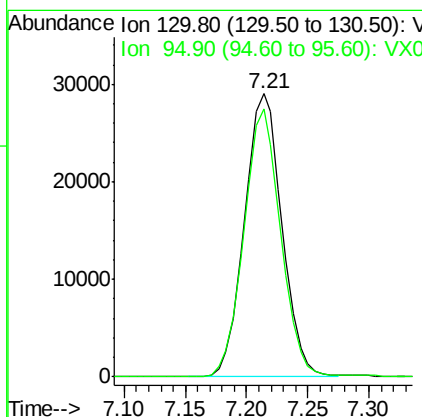
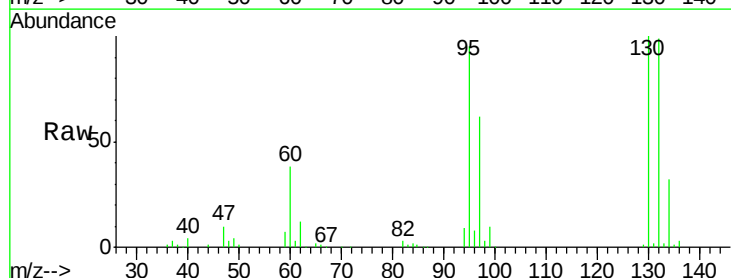
MMDadoda
 3/7/2019 10:35:33 AM

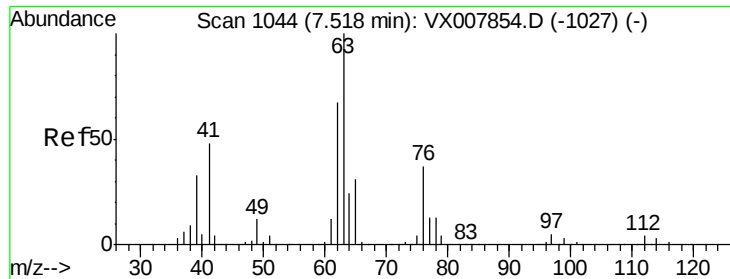


#44

Trichloroethene
 Concen: 18.619 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX007863.D
 Acq: 06 Mar 2019 16:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	188.0





#45

1,2-Dichloropropane

Concen: 19.070 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX007863.D

Acq: 06 Mar 2019 16:41

Instrument :

MSVOA_X

ClientSampleId :

VX0306WBS01

Tot Ion: 63 Resp: 60772

Ion Ratio Lower Upper

63 100

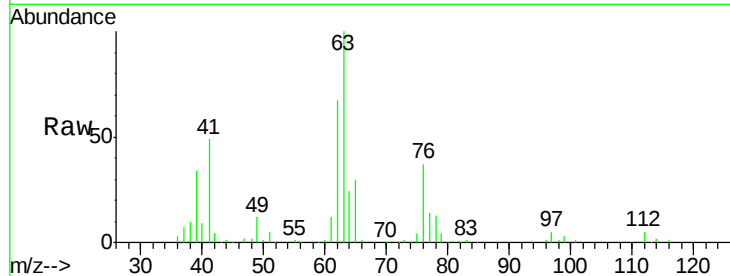
65 30.3 24.7 37.1

Manual Integrations

APPROVED

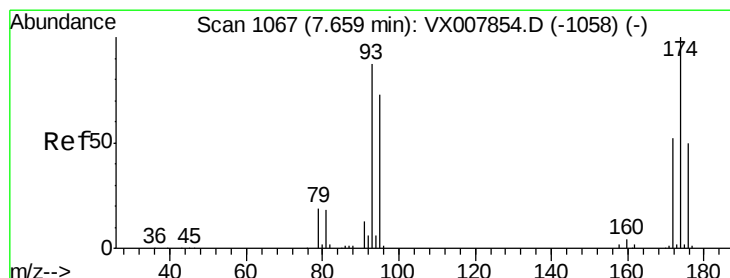
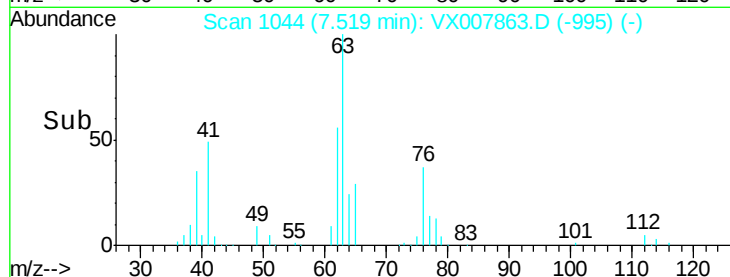
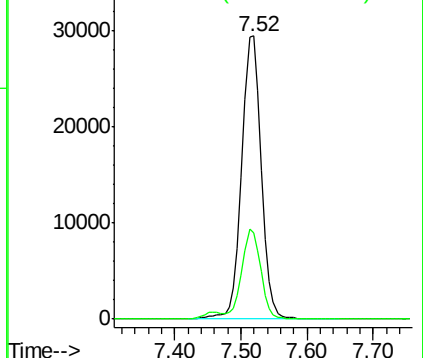
MMDadoda

3/7/2019 10:35:33 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.037 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX007863.D

Acq: 06 Mar 2019 16:41

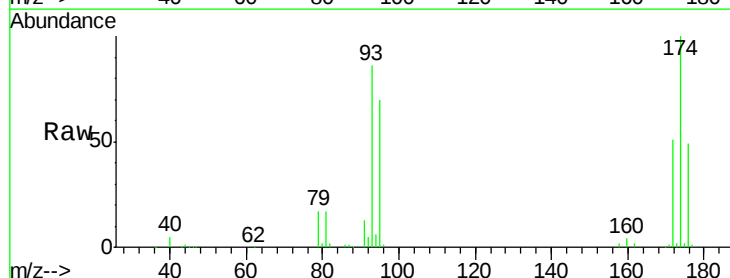
Tgt Ion: 93 Resp: 38394

Ion Ratio Lower Upper

93 100

95 82.8 66.8 100.2

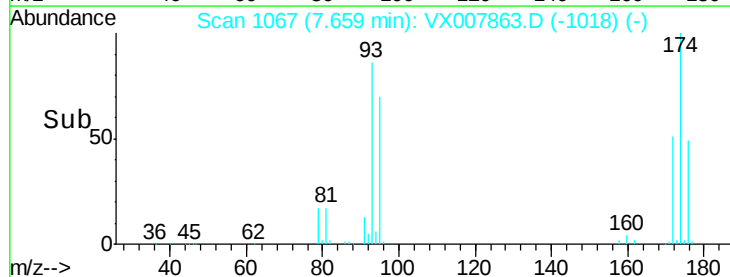
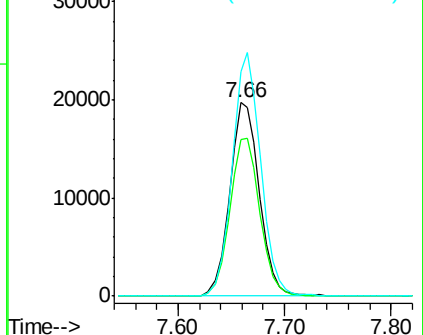
174 121.3 97.3 145.9

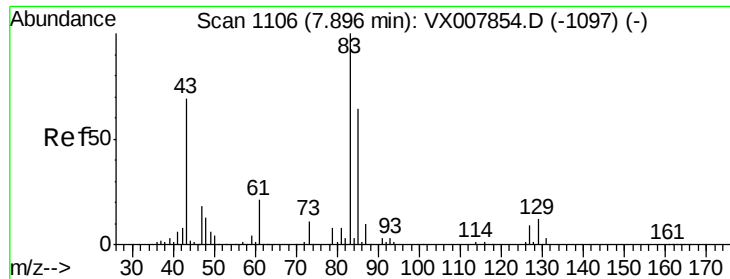


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.603 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007863.D

Acq: 06 Mar 2019 16:41

Instrument :

MSVOA_X

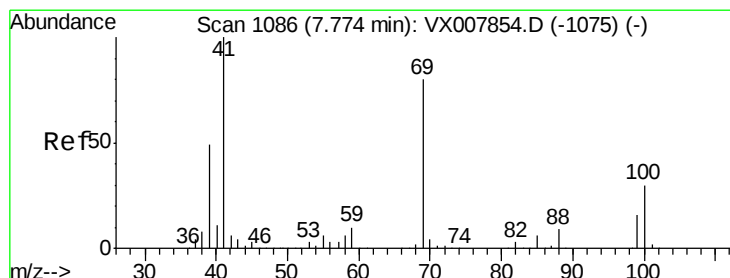
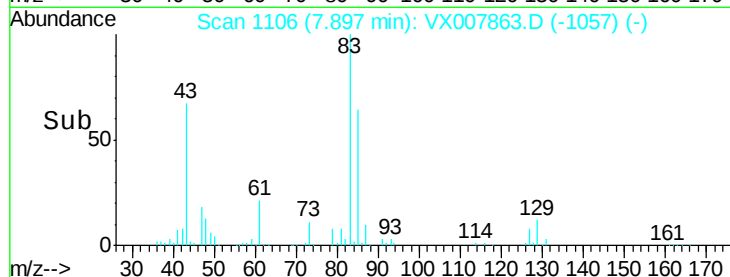
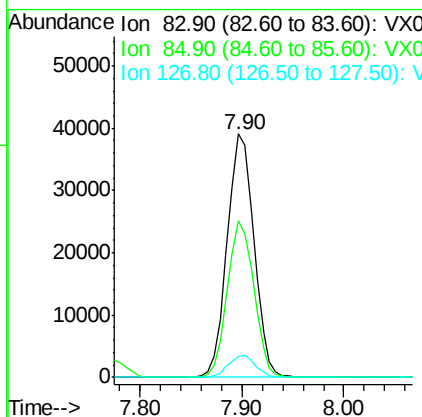
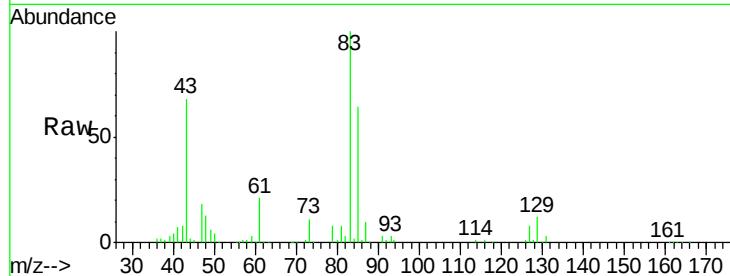
ClientSampled :

VX0306WBS01

Tot Ion:	83	Resp:	71134
Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.9	76.3
127	8.4	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:35:33 AM



#48

Methyl methacrylate

Concen: 18.652 ug/l

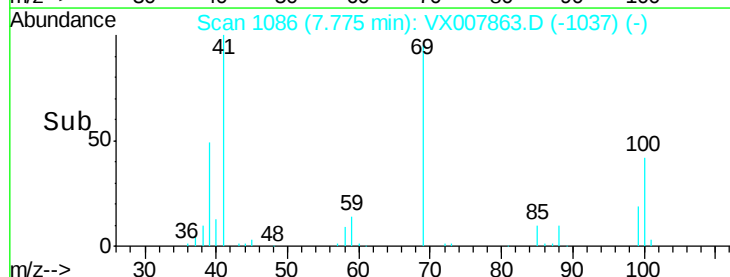
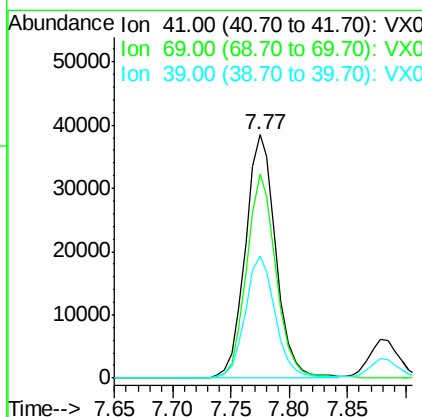
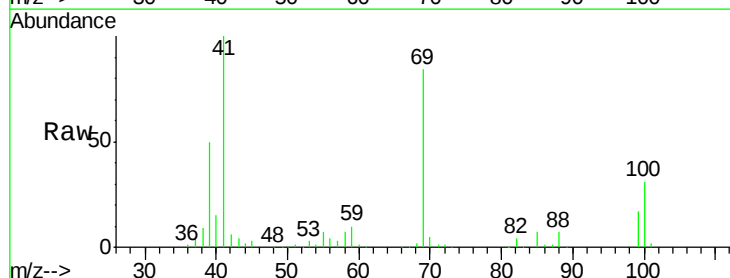
RT: 7.77 min Scan# 1086

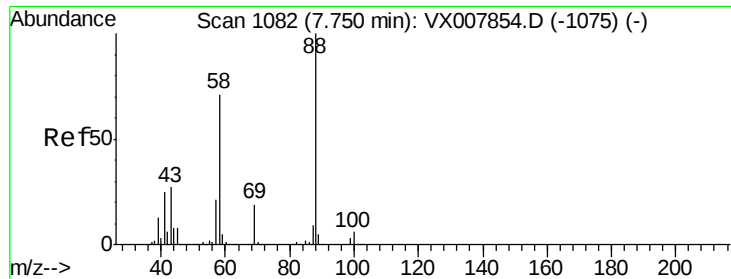
Delta R.T. 0.00 min

Lab File: VX007863.D

Acq: 06 Mar 2019 16:41

Tgt Ion:	41	Resp:	69802
Ion	Ratio	Lower	Upper
41	100		
69	82.1	65.2	97.8
39	50.0	39.4	59.2





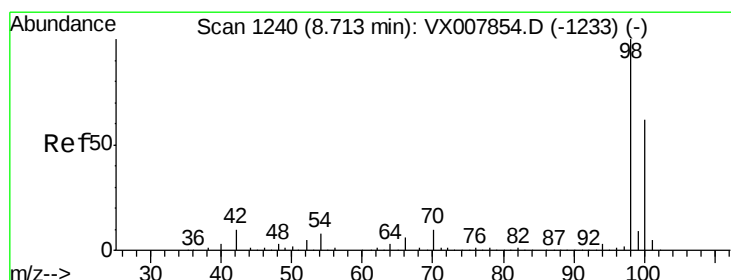
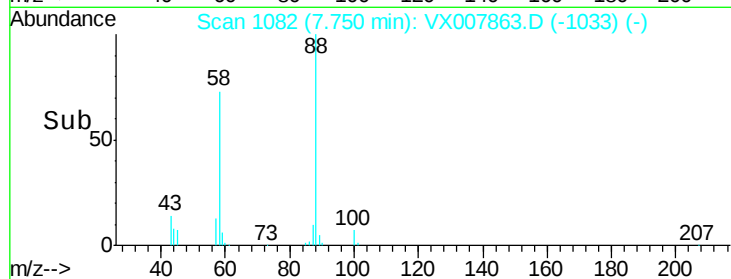
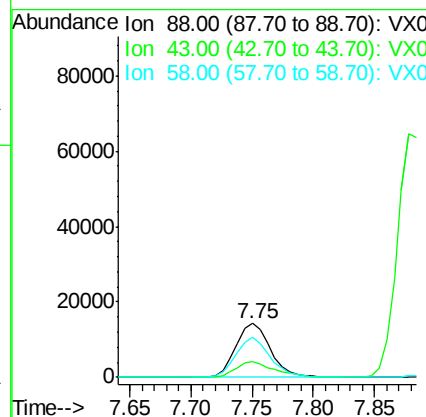
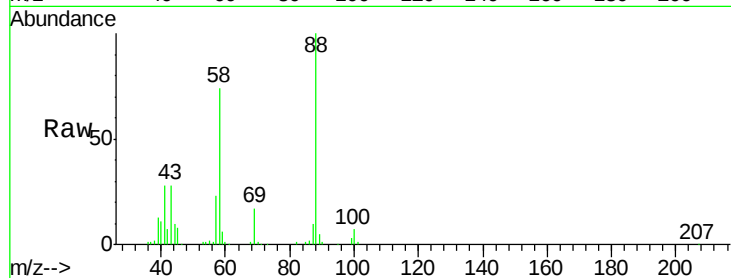
#49
1,4-Dioxane
Concen: 364.358 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007863.D
Acq: 06 Mar 2019 16:41

Instrument :
MSVOA_X
ClientSampled :
VX0306WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.1	25.1	37.7
58	74.4	57.8	86.6

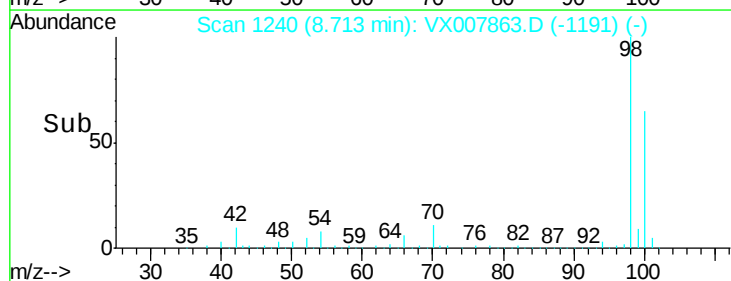
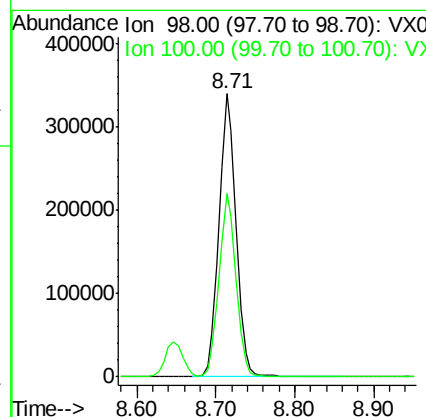
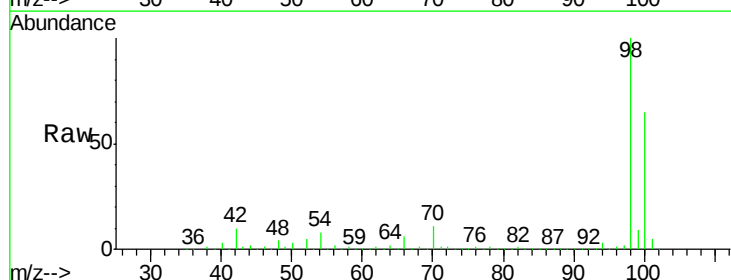
Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:35:33 AM



#50
Toluene-d8
Concen: 48.888 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007863.D
Acq: 06 Mar 2019 16:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 96.019 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007863.D

Acq: 06 Mar 2019 16:41

Instrument :

MSVOA_X

ClientSampled :

VX0306WBS01

Tot Ion: 43 Resp: 439543

Ion Ratio Lower Upper

43 100

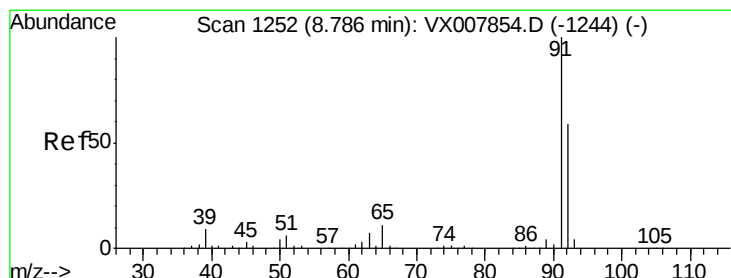
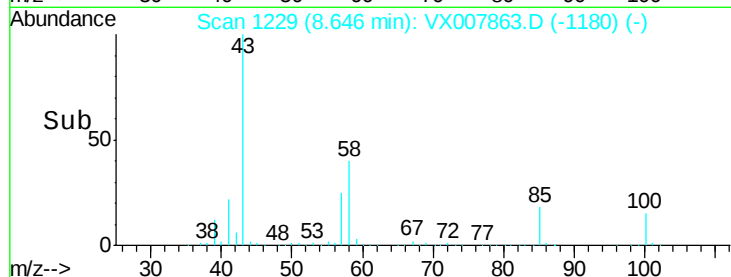
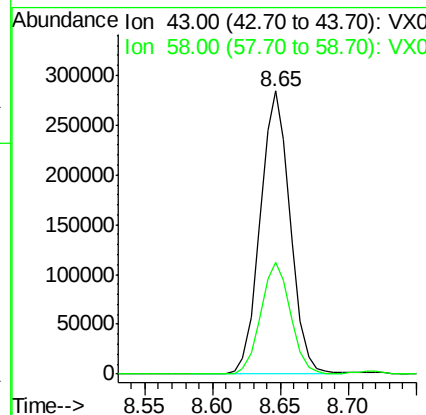
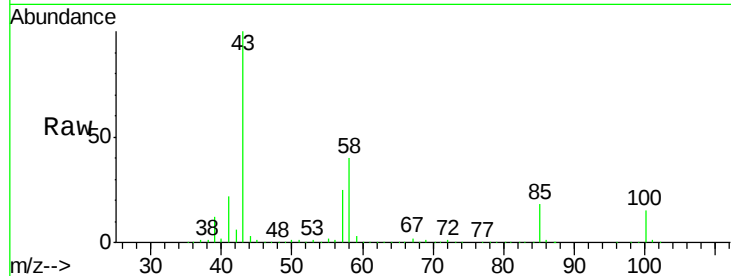
58 39.2 31.3 46.9

Manual Integrations

APPROVED

MMDadoda

3/7/2019 10:35:33 AM



#52

Toluene

Concen: 18.957 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007863.D

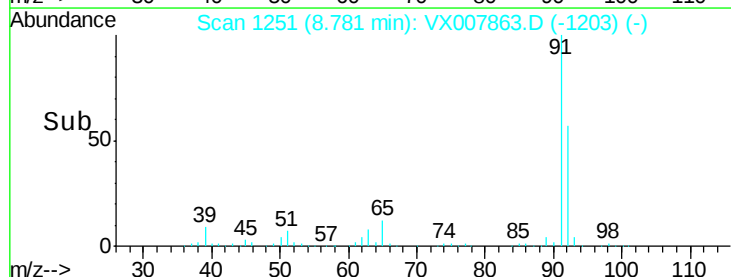
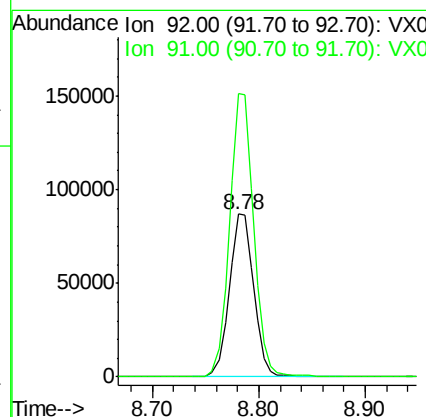
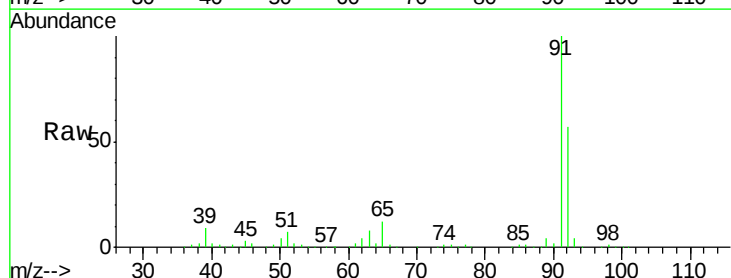
Acq: 06 Mar 2019 16:41

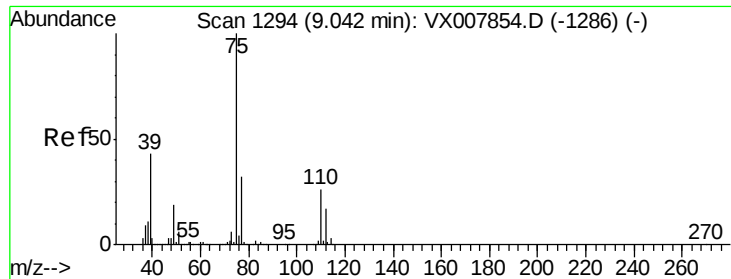
Tgt Ion: 92 Resp: 139648

Ion Ratio Lower Upper

92 100

91 172.3 137.4 206.0





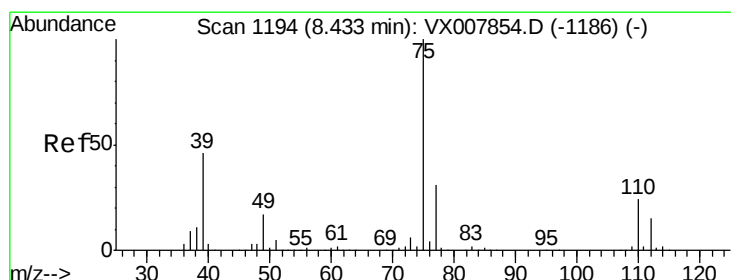
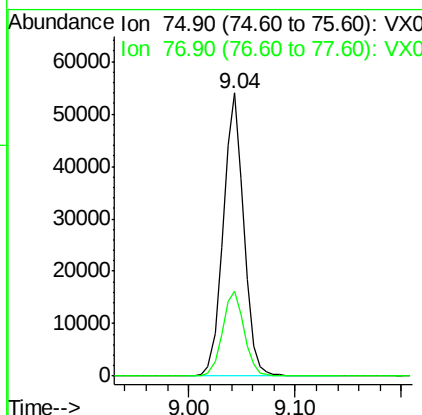
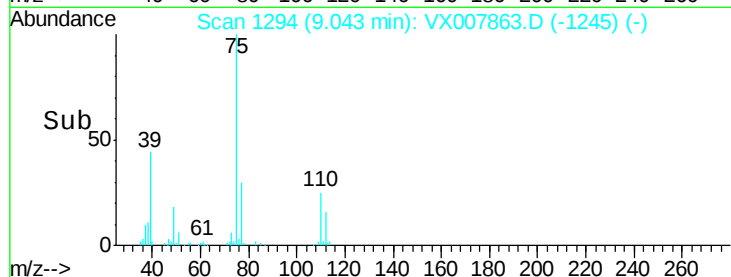
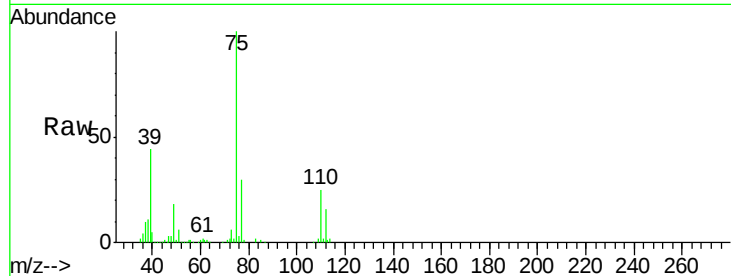
#53
t-1,3-Dichloropropene
Concen: 18.215 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007863.D
Acq: 06 Mar 2019 16:41

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Tot Ion: 75 Resp: 72696
Ion Ratio Lower Upper
75 100
77 30.1 25.4 38.0

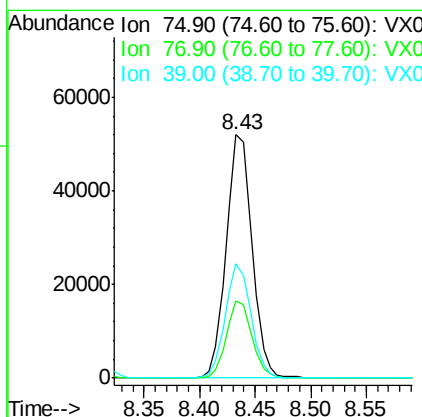
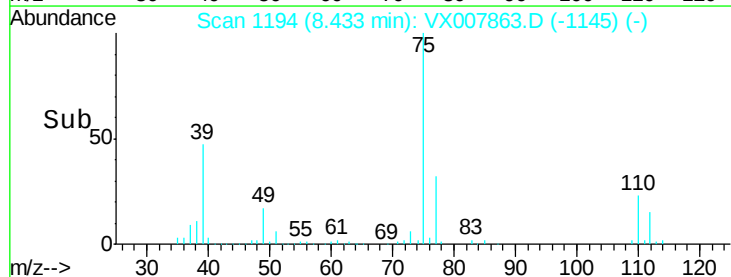
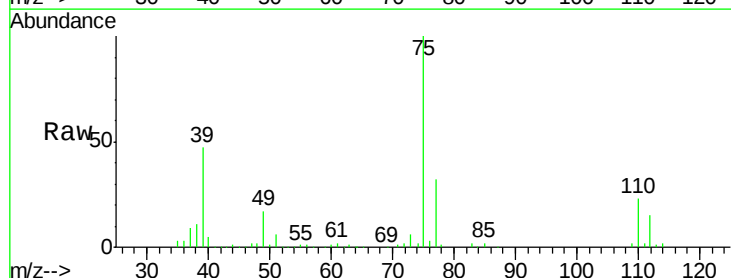
Manual Integrations
APPROVED

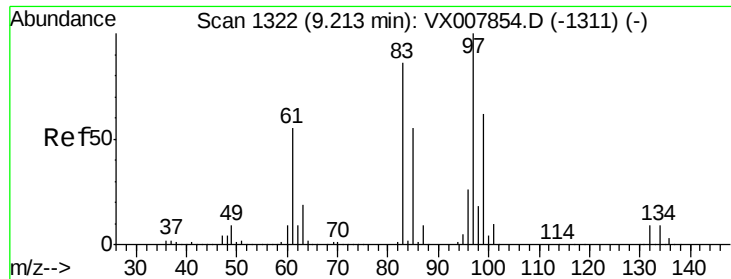
MMDadoda
3/7/2019 10:35:33 AM



#54
cis-1,3-Dichloropropene
Concen: 18.617 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX007863.D
Acq: 06 Mar 2019 16:41

Tgt Ion: 75 Resp: 83904
Ion Ratio Lower Upper
75 100
77 31.9 25.0 37.6
39 46.6 36.6 54.8





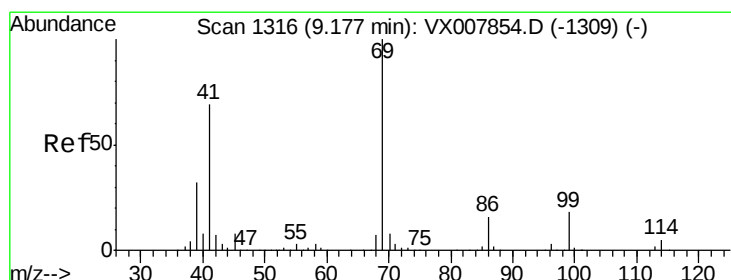
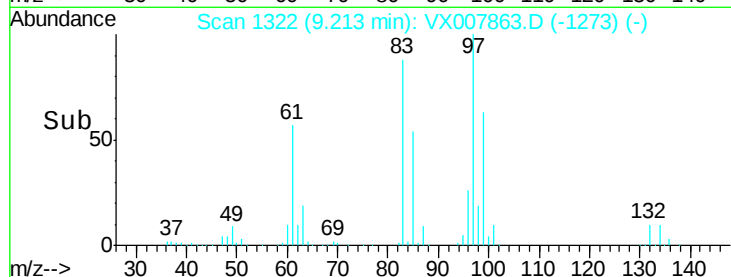
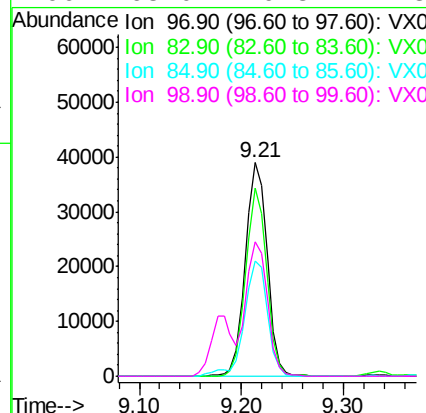
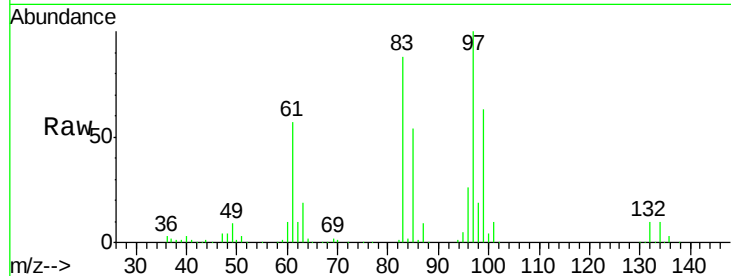
#55
 1,1,2-Trichloroethane
 Concen: 19.363 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007863.D
 Acq: 06 Mar 2019 16:41

Instrument :
 MSVOA_X
 ClientSampled :
 VX0306WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		57741		
83	88.1	69.1	103.7		
85	54.0	44.3	66.5		
99	63.0	49.8	74.8		

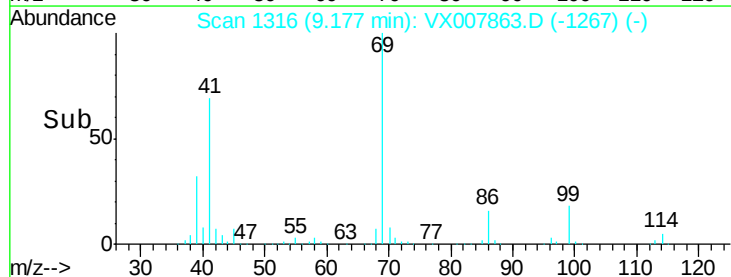
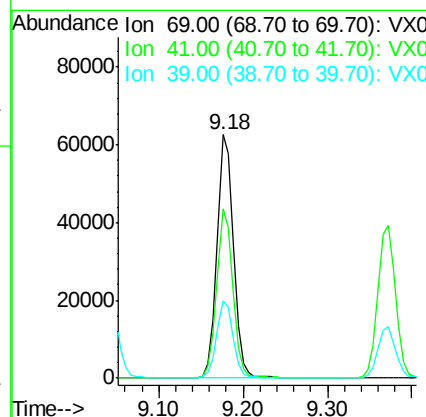
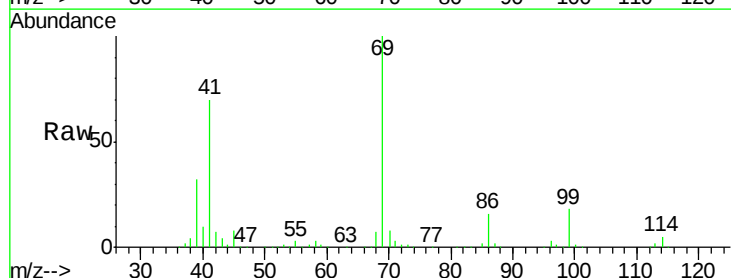
Manual Integrations
 APPROVED

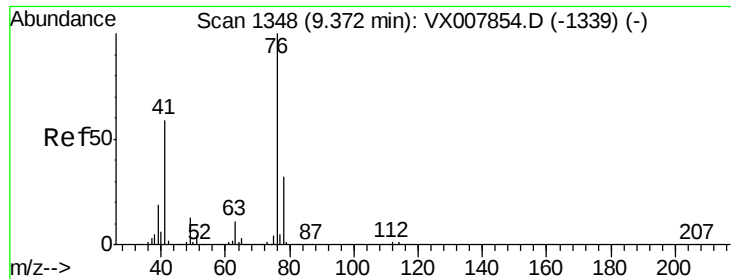
MMDadoda
 3/7/2019 10:35:33 AM



#56
 Ethyl methacrylate
 Concen: 19.167 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX007863.D
 Acq: 06 Mar 2019 16:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		85819		
41	69.0	54.2	81.4		
39	31.6	25.0	37.4		





#57

1,3-Dichloropropane

Concen: 19.075 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007863.D

Acq: 06 Mar 2019 16:41

Instrument :

MSVOA_X

ClientSampleId :

VX0306WBS01

Tot Ion: 76 Resp: 9511

Ion Ratio Lower Upper

76 100

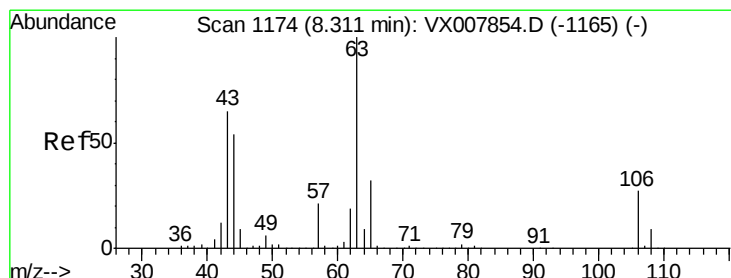
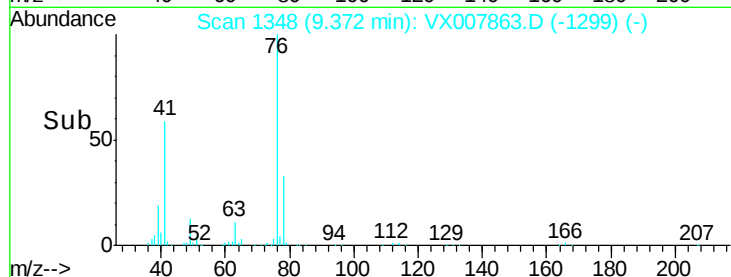
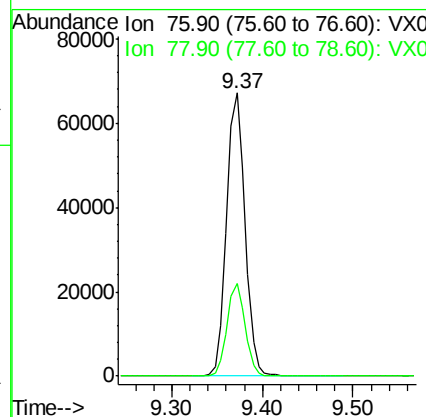
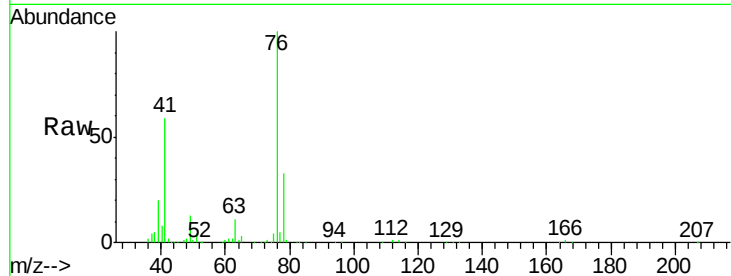
78 32.2 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

3/7/2019 10:35:33 AM



#58

2-Chloroethyl Vinyl ether

Concen: 98.086 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007863.D

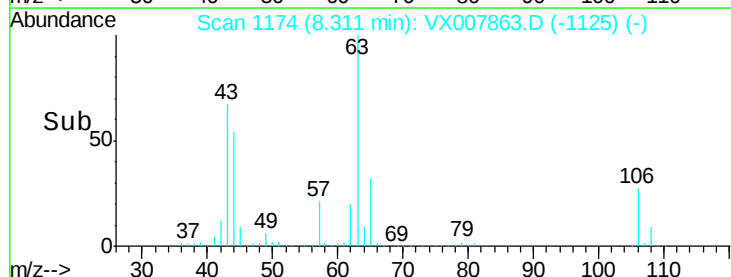
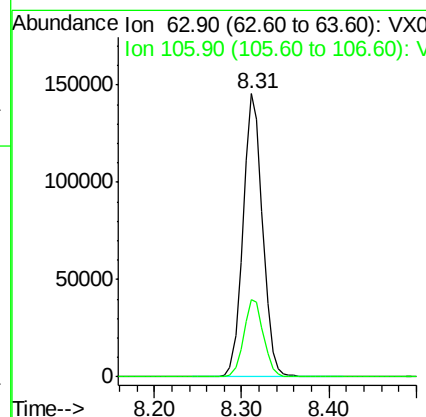
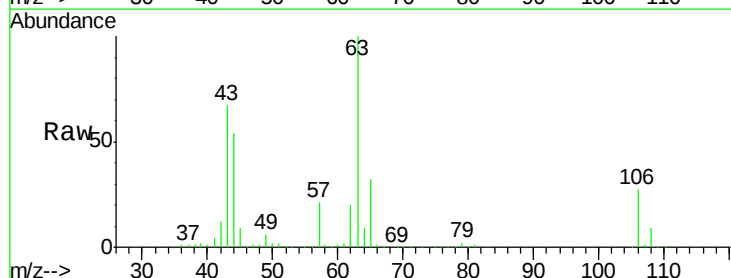
Acq: 06 Mar 2019 16:41

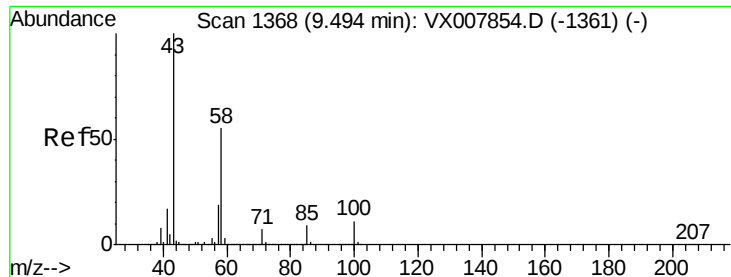
Tgt Ion: 63 Resp: 227173

Ion Ratio Lower Upper

63 100

106 27.5 22.2 33.2





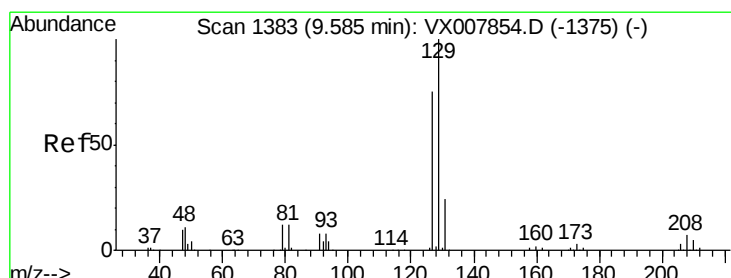
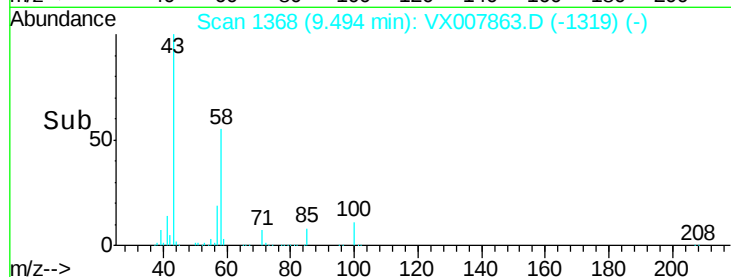
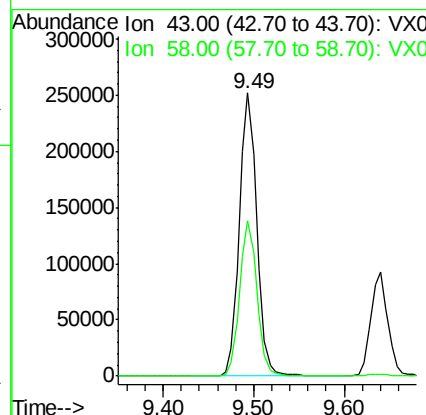
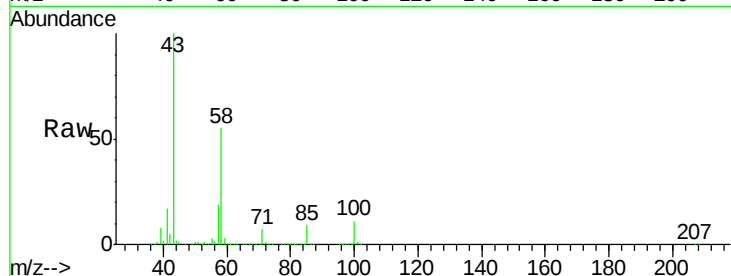
#59
2-Hexanone
Concen: 94.887 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007863.D
Acq: 06 Mar 2019 16:41

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Tot Ion: 43 Resp: 337230
Ion Ratio Lower Upper
43 100
58 54.6 27.6 82.7

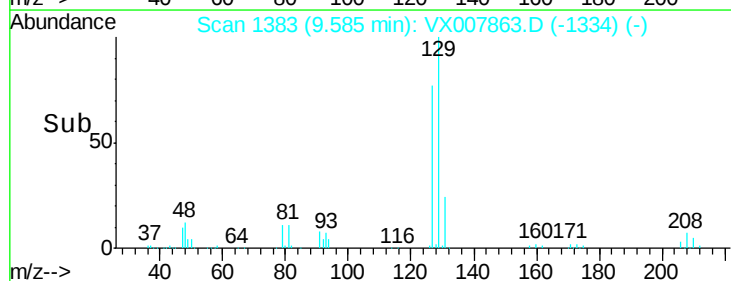
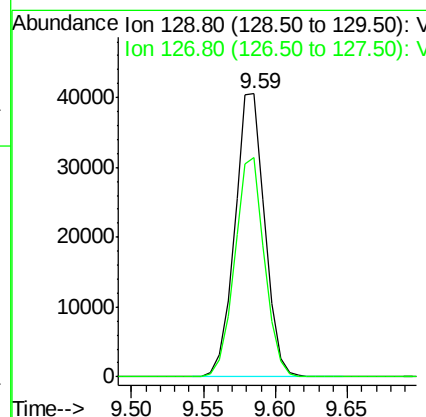
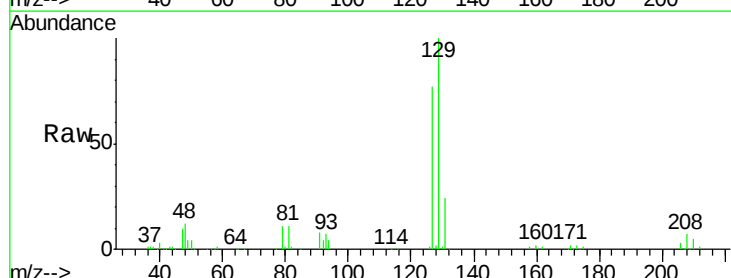
Manual Integrations
APPROVED

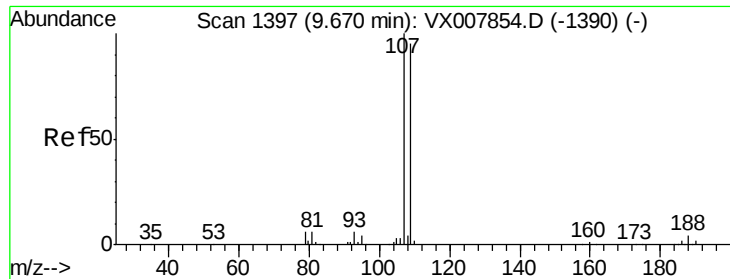
MMDadoda
3/7/2019 10:35:33 AM



#60
Dibromochloromethane
Concen: 18.859 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX007863.D
Acq: 06 Mar 2019 16:41

Tgt Ion: 129 Resp: 58784
Ion Ratio Lower Upper
129 100
127 77.0 38.3 114.8





#61

1,2-Dibromoethane

Concen: 18.782 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007863.D

Acq: 06 Mar 2019 16:41

Instrument :

MSVOA_X

ClientSampled :

VX0306WBS01

Tot Ion:107 Resp: 59467

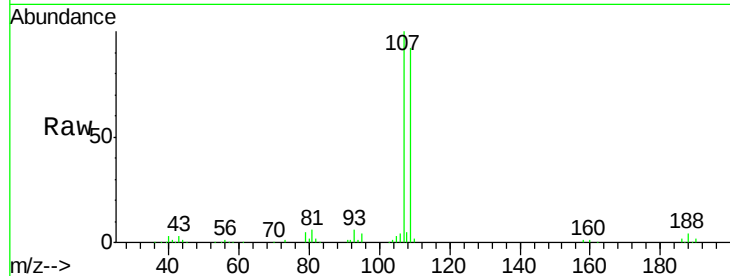
Ion Ratio Lower Upper

107 100

109 94.9 75.8 113.8

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:35:33 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

50000

40000

30000

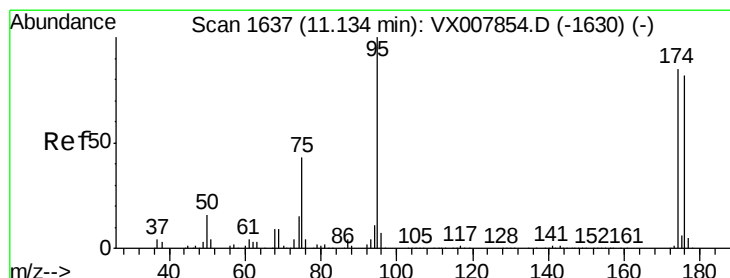
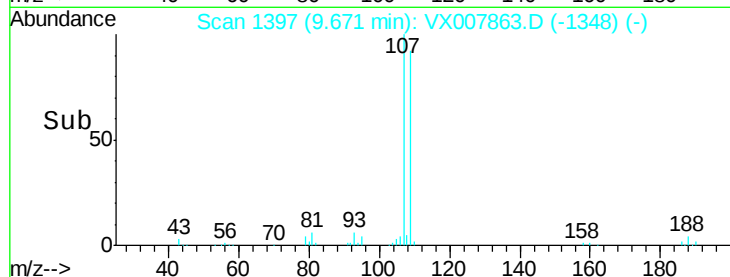
20000

10000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 49.190 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007863.D

Acq: 06 Mar 2019 16:41

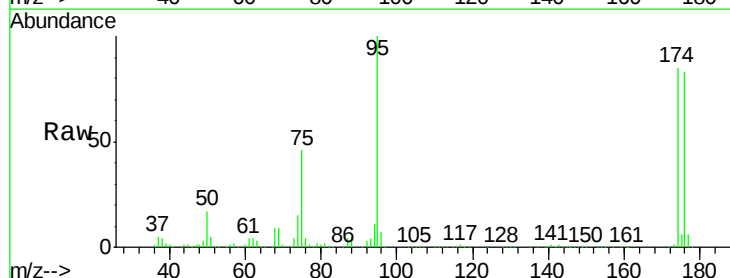
Tgt Ion: 95 Resp: 181346

Ion Ratio Lower Upper

95 100

174 92.0 0.0 182.8

176 89.1 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

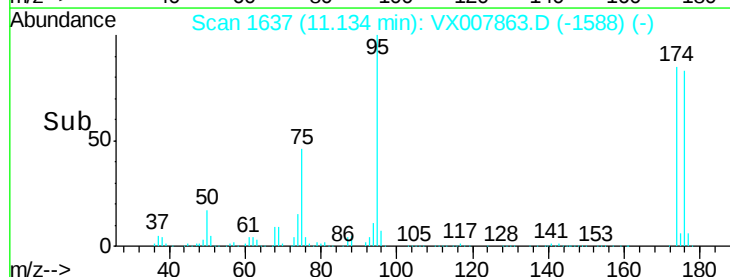
100000

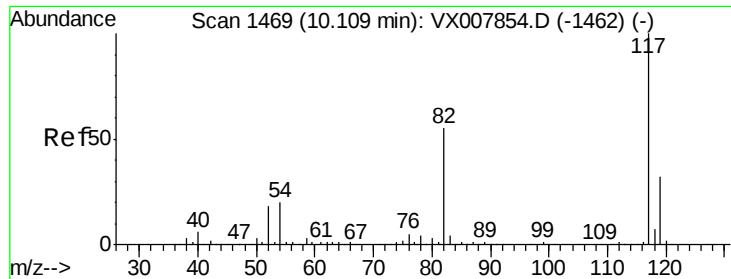
50000

0

Time-->

11.10 11.20





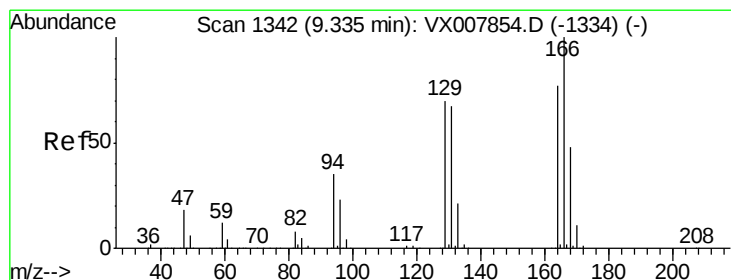
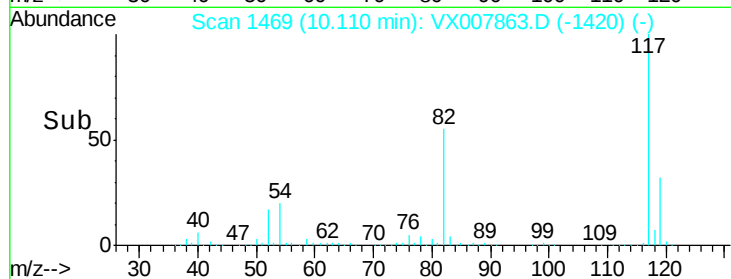
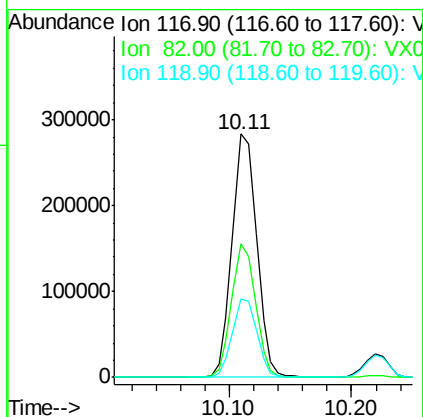
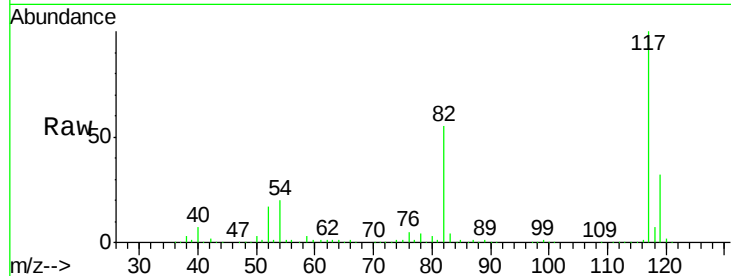
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007863.D
Acq: 06 Mar 2019 16:41

Instrument :
MSVOA_X
ClientSampled :
VX0306WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	44.3	66.5
119	32.0	25.3	37.9

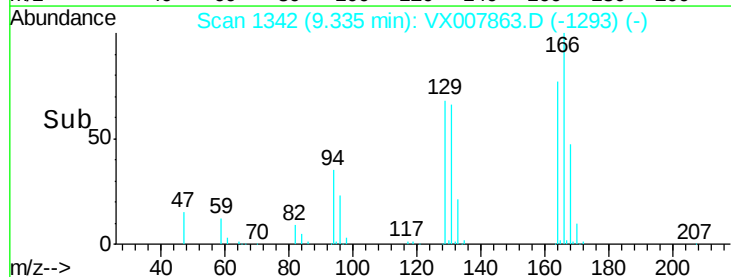
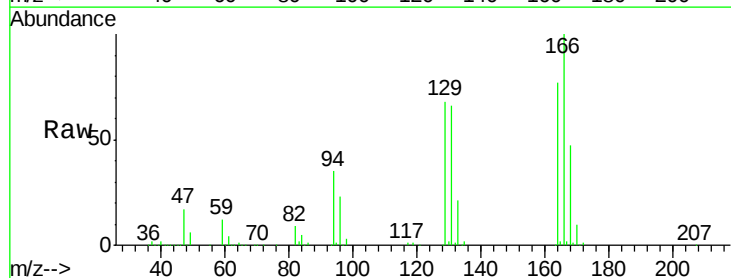
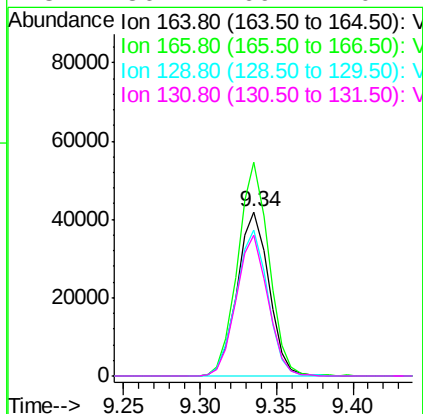
Manual Integrations
APPROVED

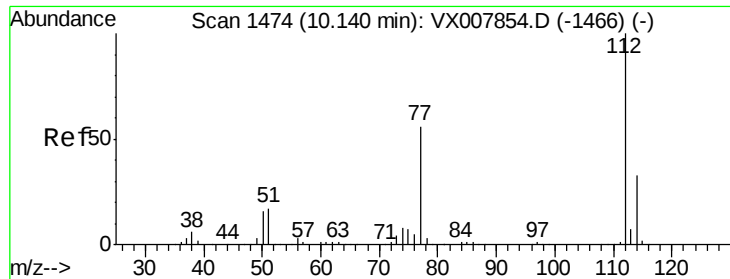
MMDadoda
3/7/2019 10:35:33 AM



#64
Tetrachloroethene
Concen: 18.481 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007863.D
Acq: 06 Mar 2019 16:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.3	103.4	155.0
129	89.2	72.2	108.4
131	86.2	69.4	104.2





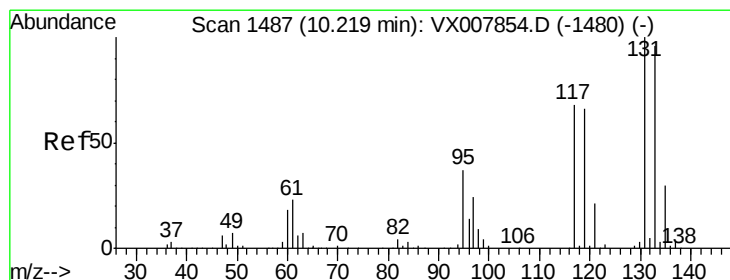
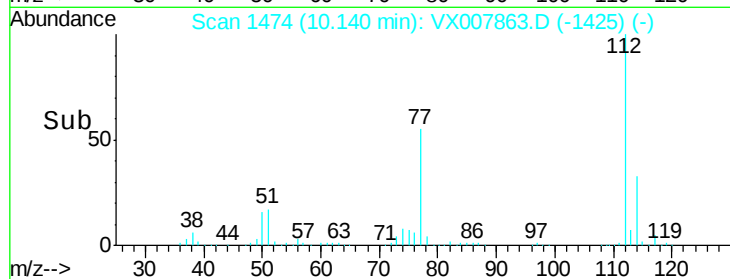
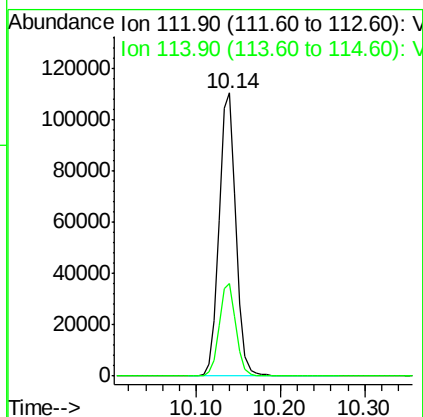
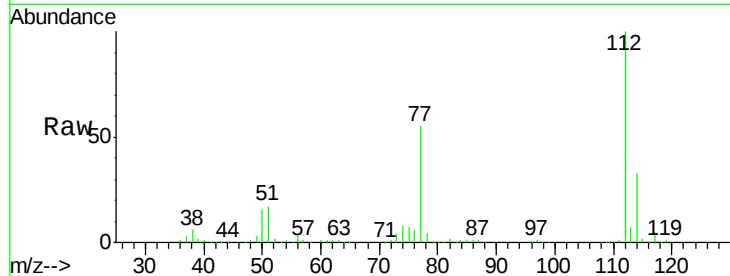
#65
Chlorobenzene
Concen: 18.431 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX007863.D
Acq: 06 Mar 2019 16:41

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Tot Ion:112 Resp: 152574
Ion Ratio Lower Upper
112 100
114 32.6 26.0 39.0

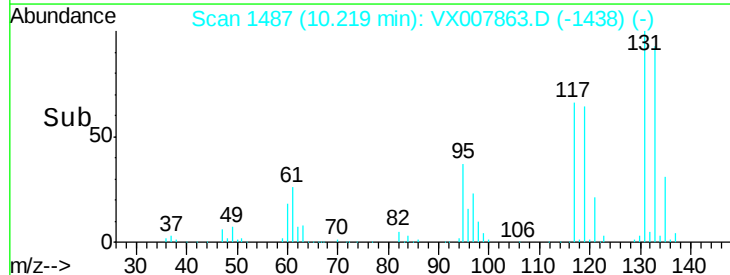
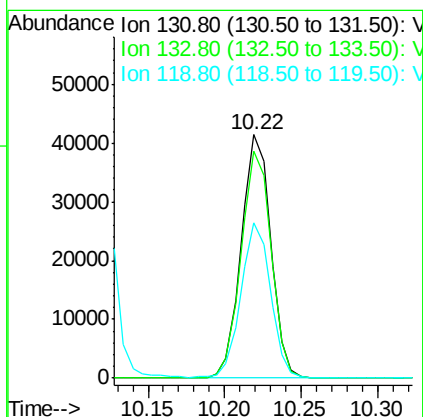
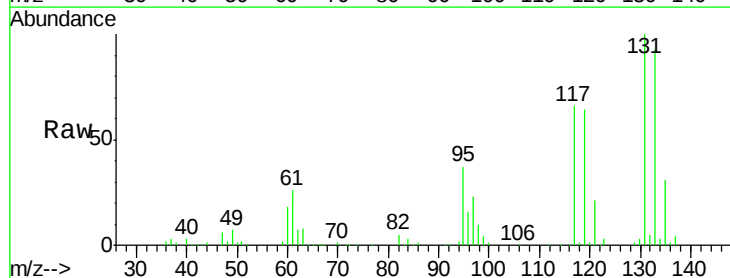
Manual Integrations
APPROVED

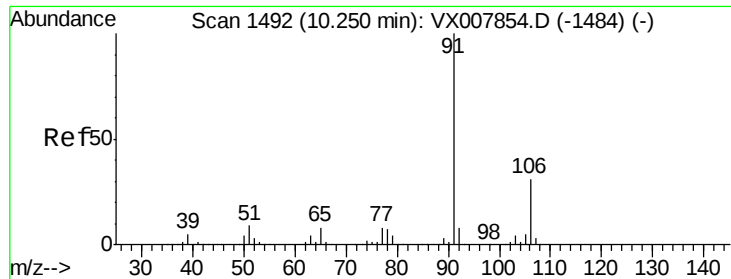
MMDadoda
3/7/2019 10:35:33 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.754 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX007863.D
Acq: 06 Mar 2019 16:41

Tgt Ion:131 Resp: 55640
Ion Ratio Lower Upper
131 100
133 94.5 47.8 143.3
119 64.1 32.5 97.5





#67

Ethyl Benzene

Concen: 19.097 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007863.D

Acq: 06 Mar 2019 16:41

Instrument :

MSVOA_X

ClientSampled :

VX0306WBS01

Tot Ion: 91 Resp: 260233

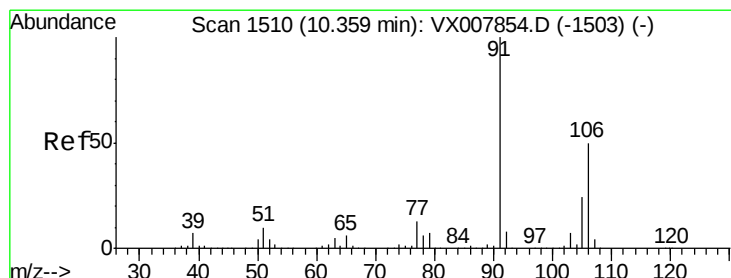
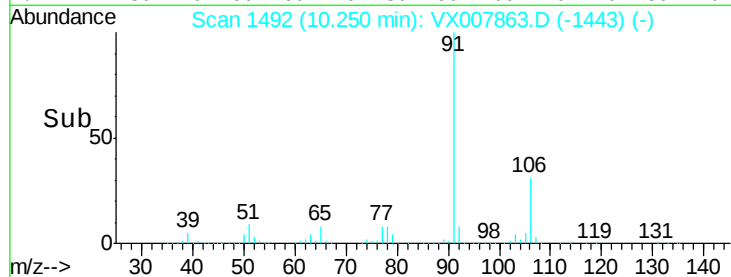
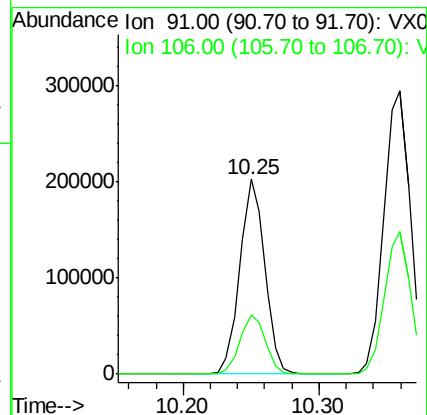
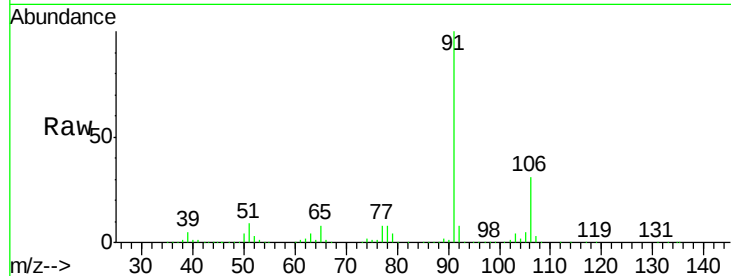
Ion Ratio Lower Upper

91 100

106 30.7 25.2 37.8

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:35:33 AM



#68

m/p-Xylenes

Concen: 37.659 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007863.D

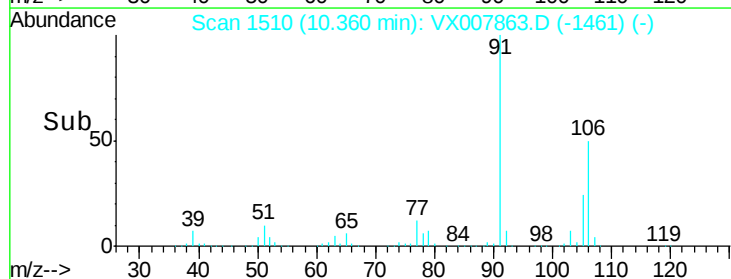
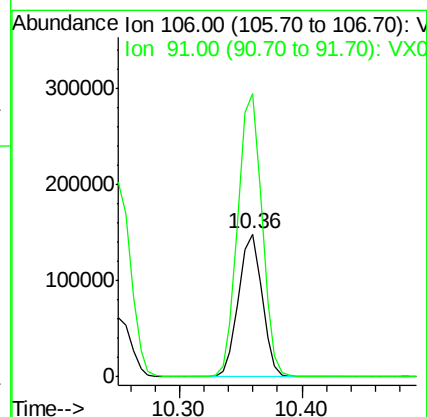
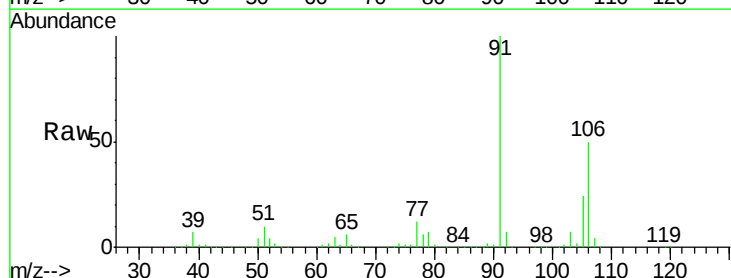
Acq: 06 Mar 2019 16:41

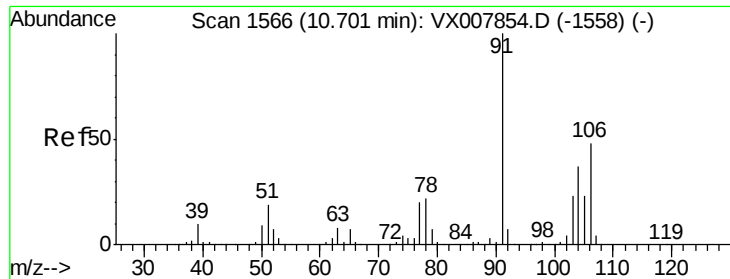
Tgt Ion: 106 Resp: 197798

Ion Ratio Lower Upper

106 100

91 202.2 159.8 239.6





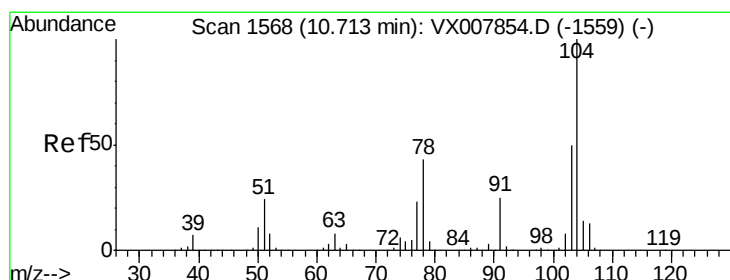
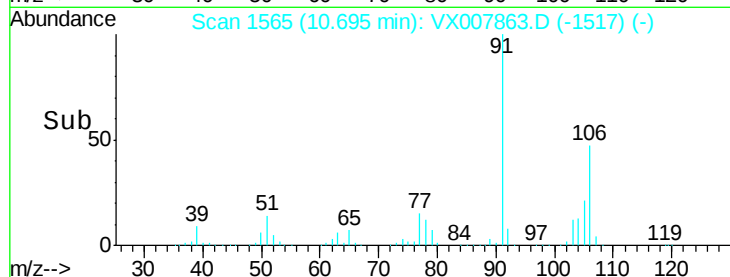
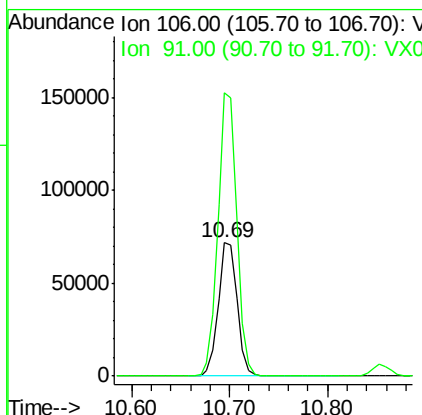
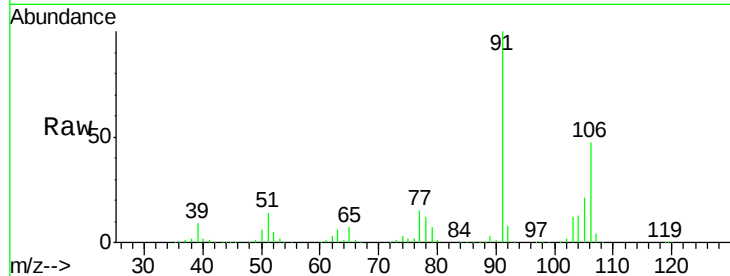
#69
o-Xylene
Concen: 18.943 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007863.D
Acq: 06 Mar 2019 16:41

Instrument :
MSVOA_X
ClientSampled :
VX0306WBS01

Tot Ion:106 Resp: 96056
Ion Ratio Lower Upper
106 100
91 211.7 106.3 318.9

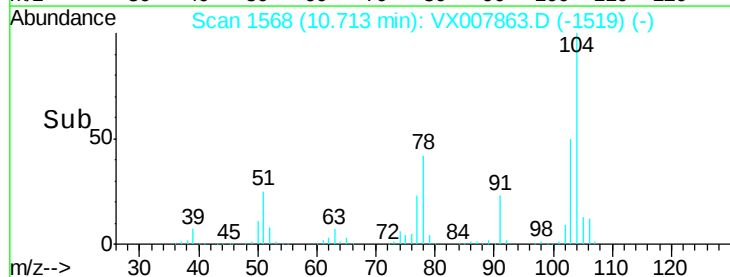
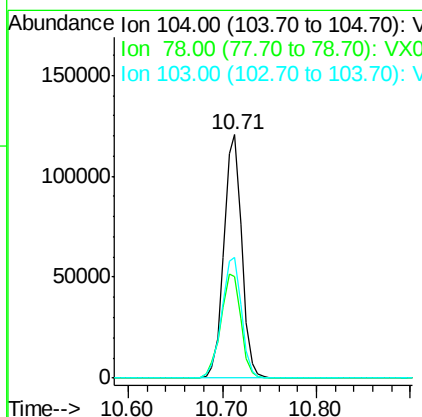
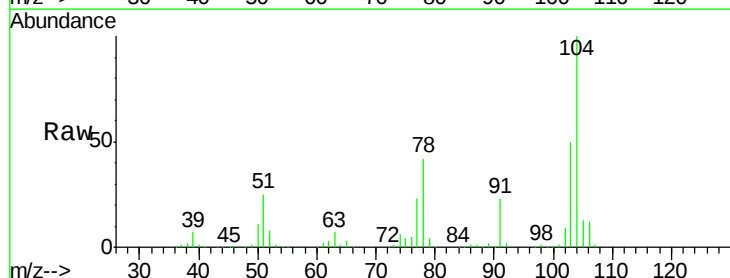
Manual Integrations
APPROVED

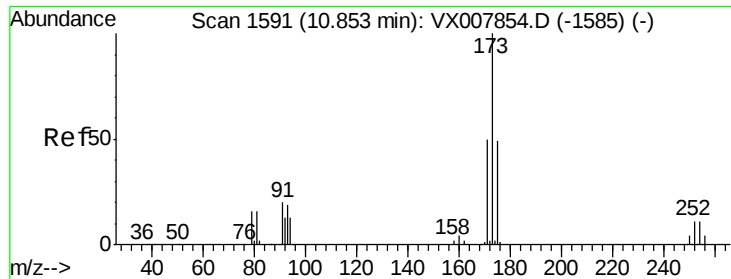
MMDadoda
3/7/2019 10:35:33 AM



#70
Styrene
Concen: 19.158 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007863.D
Acq: 06 Mar 2019 16:41

Tgt Ion:104 Resp: 158970
Ion Ratio Lower Upper
104 100
78 48.3 38.5 57.7
103 54.9 44.1 66.1





#71

Bromoform

Concen: 17.871 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX007863.D

Acq: 06 Mar 2019 16:41

Instrument :

MSVOA_X

ClientSampled :

VX0306WBS01

Tot Ion:173 Resp: 45532

Ion Ratio Lower Upper

173 100

175 48.5 24.3 72.9

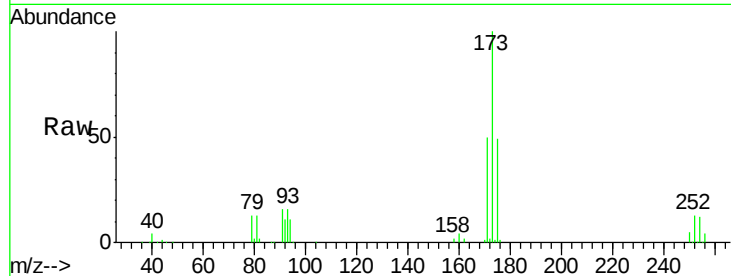
254 0.1 0.1 0.1

Manual Integrations

APPROVED

MMDadoda

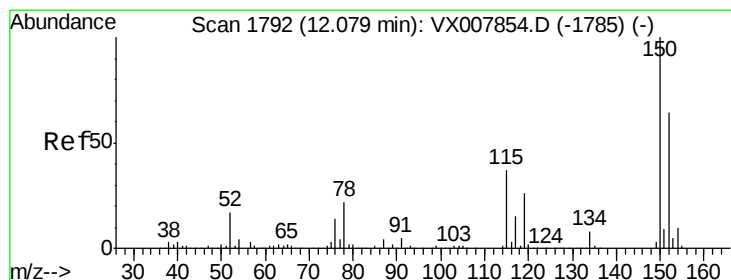
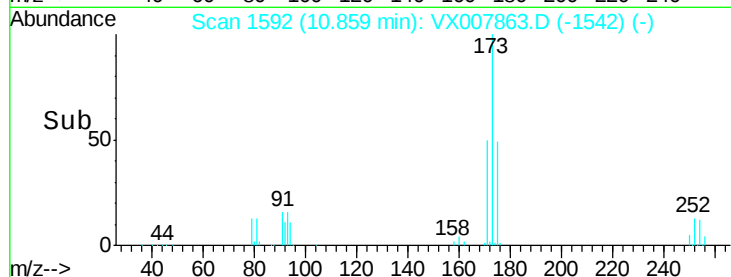
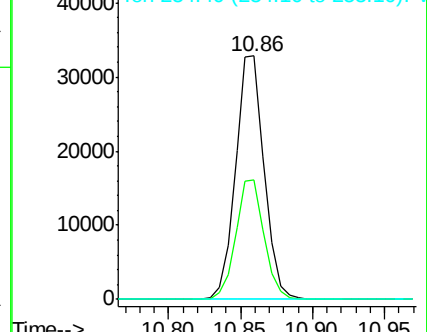
3/7/2019 10:35:33 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007863.D

Acq: 06 Mar 2019 16:41

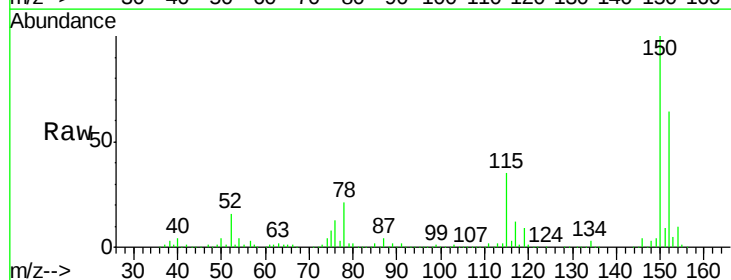
Tgt Ion:152 Resp: 199848

Ion Ratio Lower Upper

152 100

115 63.4 38.6 115.7

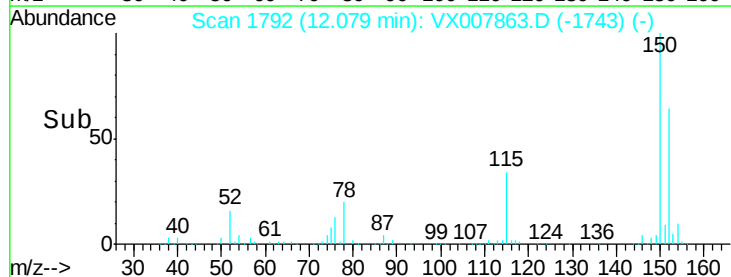
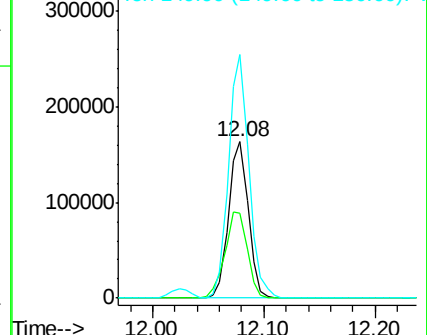
150 161.1 0.0 348.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





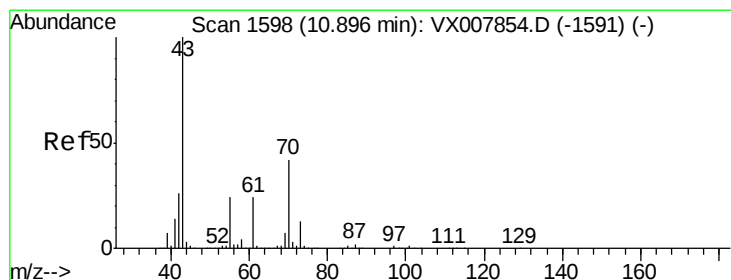
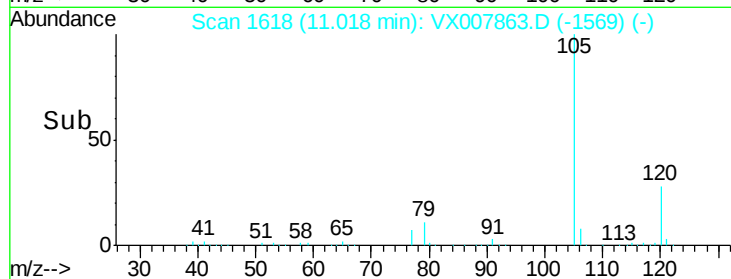
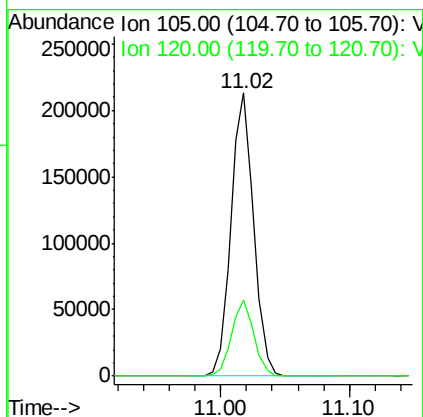
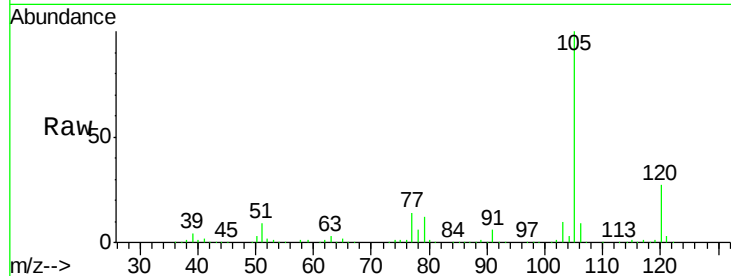
#73
Isopropylbenzene
Concen: 19.374 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX007863.D
Acq: 06 Mar 2019 16:41

Instrument :
MSVOA_X
ClientSampled :
VX0306WBS01

Tot Ion: 105 Resp: 261863
Ion Ratio Lower Upper
105 100
120 26.6 13.4 40.1

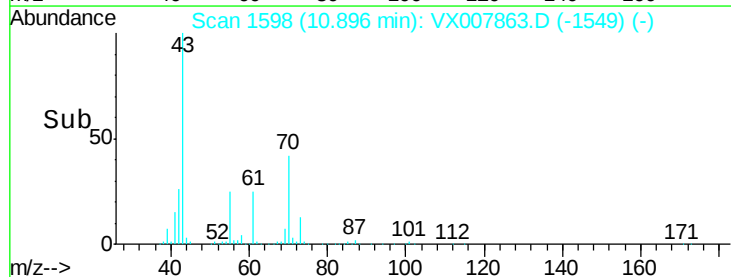
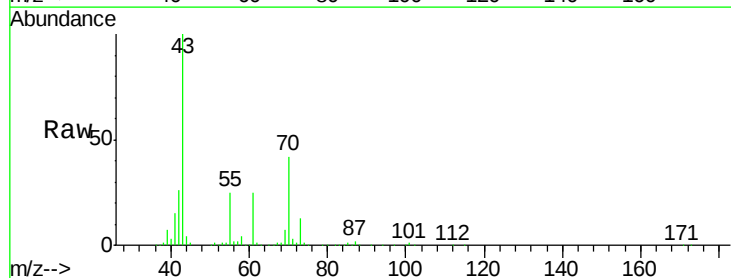
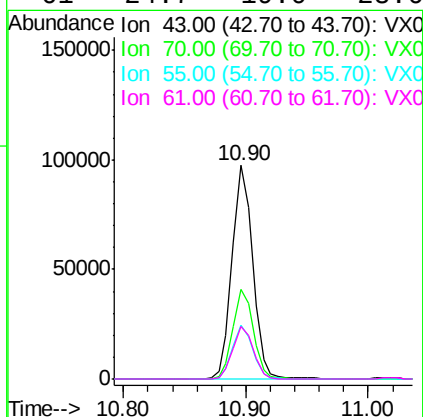
Manual Integrations
APPROVED

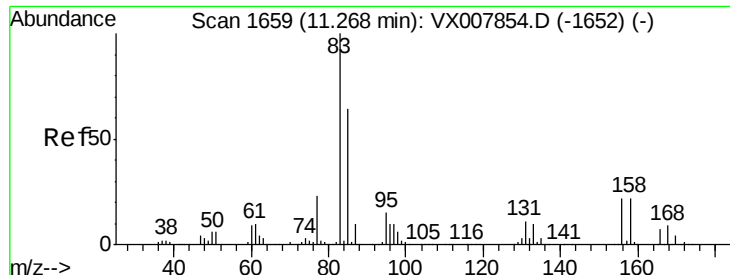
MMDadoda
3/7/2019 10:35:33 AM



#74
N-ethyl acetate
Concen: 18.445 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX007863.D
Acq: 06 Mar 2019 16:41

Tgt Ion: 43 Resp: 113815
Ion Ratio Lower Upper
43 100
70 42.0 33.5 50.3
55 25.2 19.2 28.8
61 24.7 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.457 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007863.D

Acq: 06 Mar 2019 16:41

Instrument :

MSVOA_X

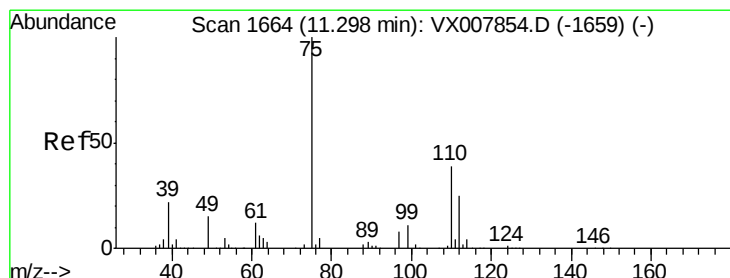
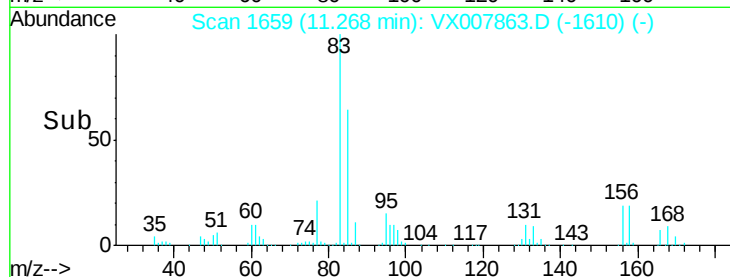
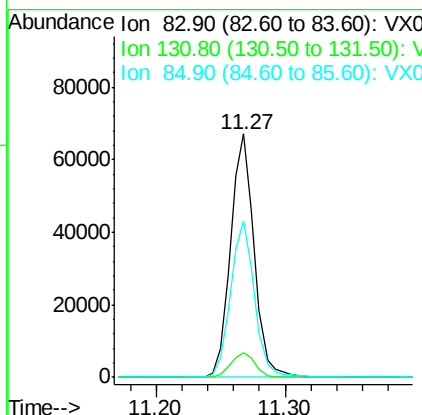
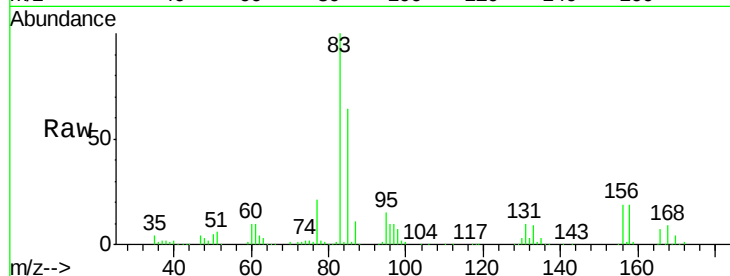
ClientSampled :

VX0306WBS01

Tot Ion:	83	Resp:	86051
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.4	16.2
85	65.0	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:35:33 AM



#76

1,2,3-Trichloropropane

Concen: 19.388 ug/l m

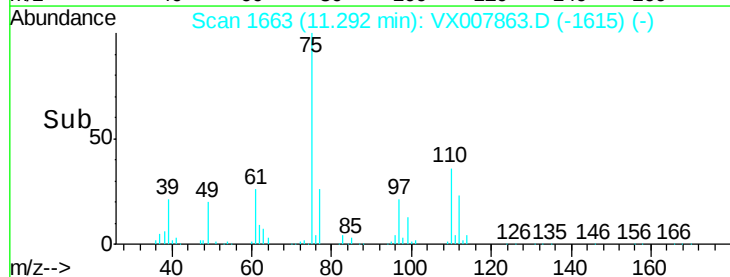
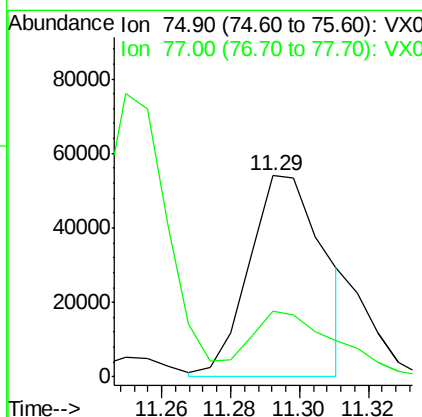
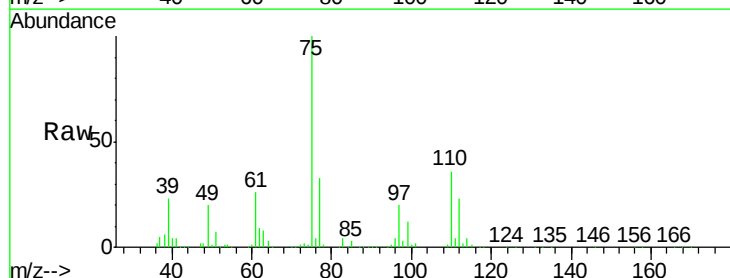
RT: 11.29 min Scan# 1663

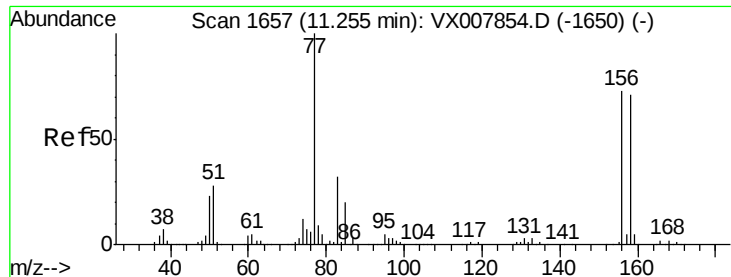
Delta R.T. -0.01 min

Lab File: VX007863.D

Acq: 06 Mar 2019 16:41

Tgt Ion:	75	Resp:	81308
Ion Ratio	Lower	Upper	
75	100		
77	38.2	18.9	56.7





#77

Bromobenzene

Concen: 18.547 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007863.D

Acq: 06 Mar 2019 16:41

Instrument :

MSVOA_X

ClientSampled :

VX0306WBS01

Tot Ion:156 Resp: 68727

Ion Ratio Lower Upper

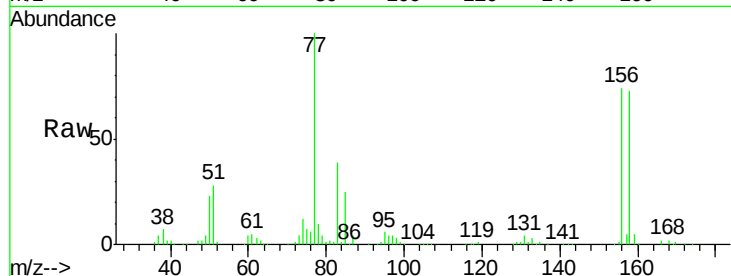
156 100

77 144.5 72.0 215.9

158 97.5 48.6 145.9

Manual Integrations
APPROVED

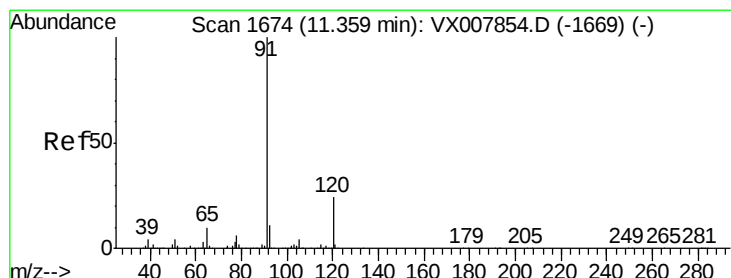
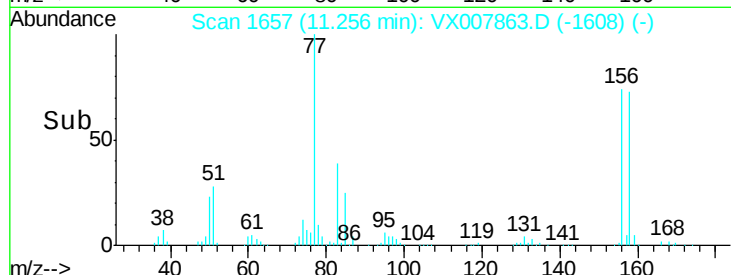
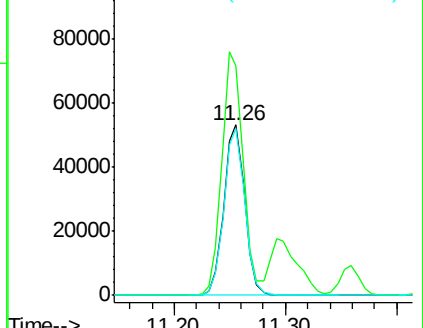
MMDadoda
3/7/2019 10:35:33 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.511 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007863.D

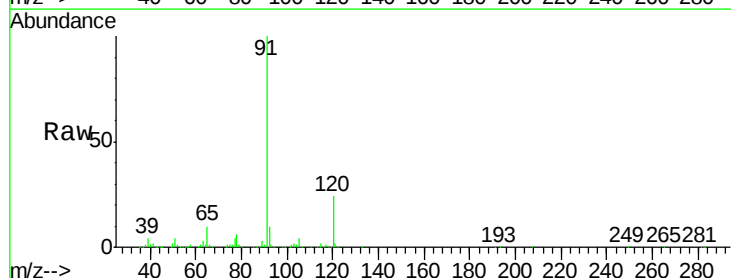
Acq: 06 Mar 2019 16:41

Tgt Ion: 91 Resp: 292553

Ion Ratio Lower Upper

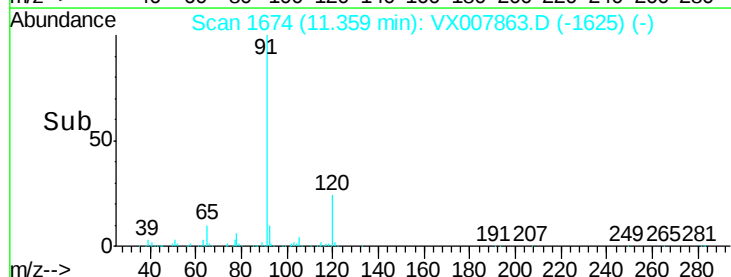
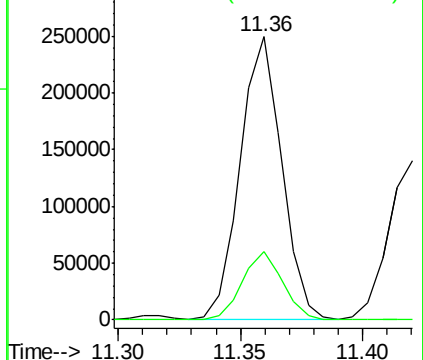
91 100

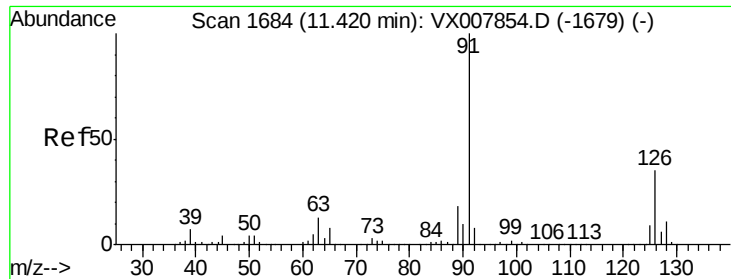
120 23.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





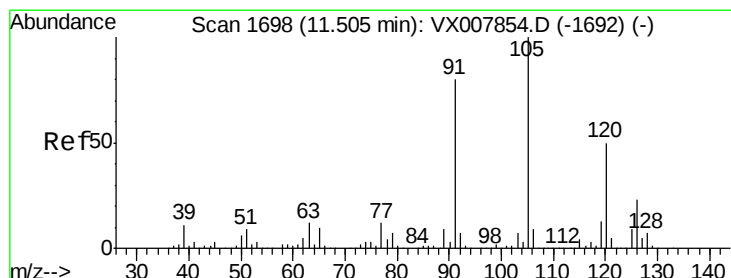
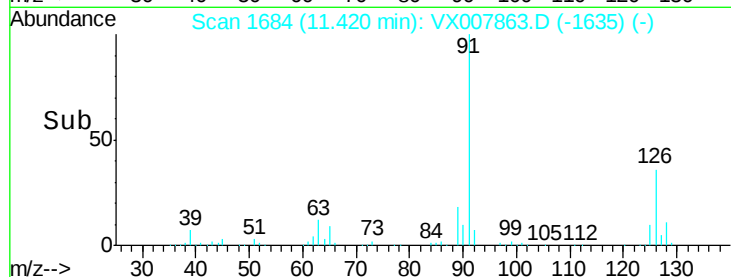
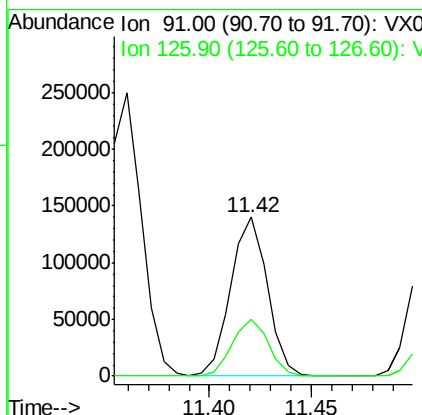
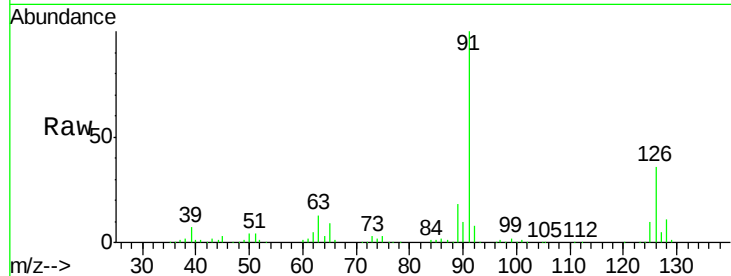
#79
 2-Chlorotoluene
 Concen: 18.904 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX007863.D
 Acq: 06 Mar 2019 16:41

Instrument :
 MSVOA_X
 ClientSampled :
 VX0306WBS01

Tot Ion: 91 Resp: 173312
 Ion Ratio Lower Upper
 91 100
 126 35.7 17.5 52.6

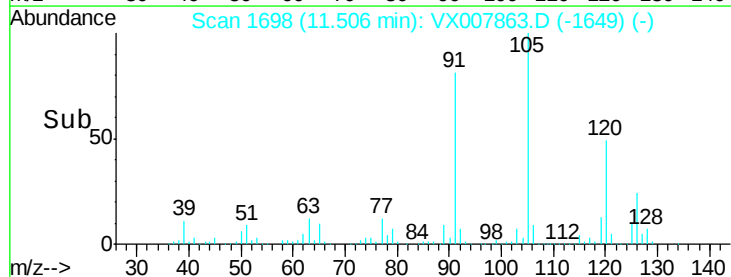
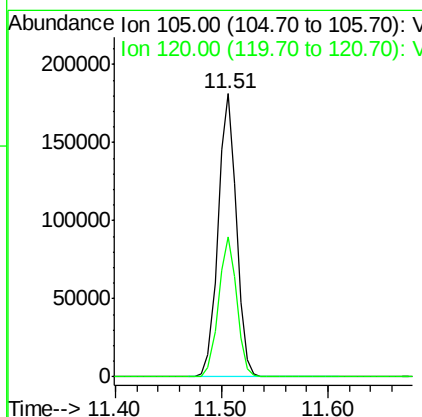
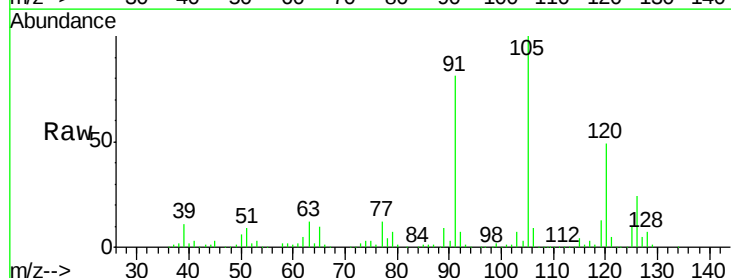
Manual Integrations
 APPROVED

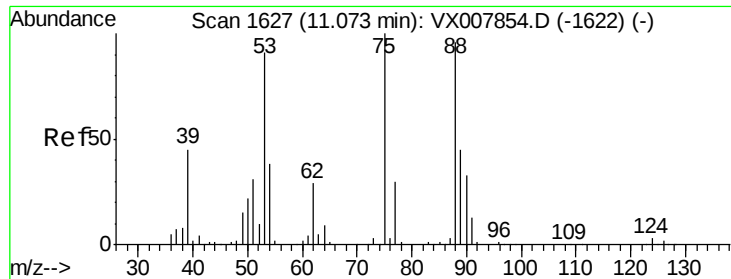
MMDadoda
 3/7/2019 10:35:33 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.343 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX007863.D
 Acq: 06 Mar 2019 16:41

Tgt Ion: 105 Resp: 215181
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 17.256 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007863.D

Acq: 06 Mar 2019 16:41

Instrument :

MSVOA_X

ClientSampled :

VX0306WBS01

Tot Ion: 75 Resp: 22639

Ion Ratio Lower Upper

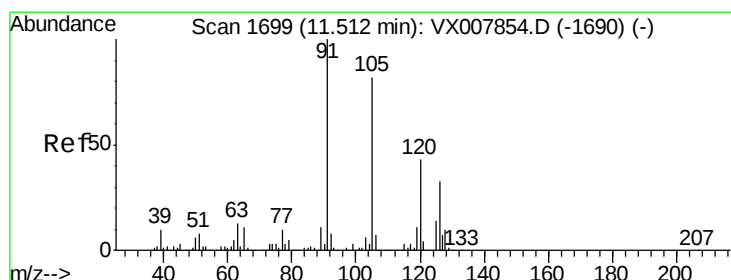
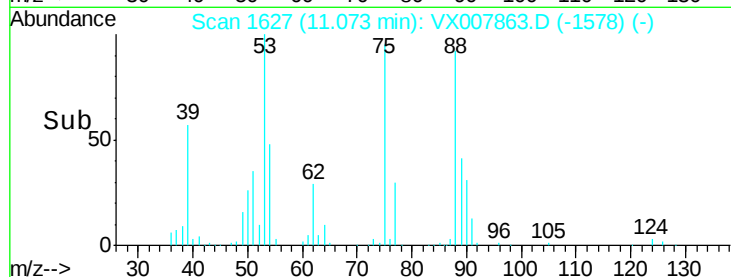
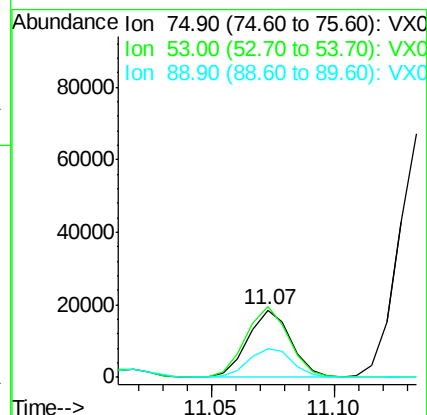
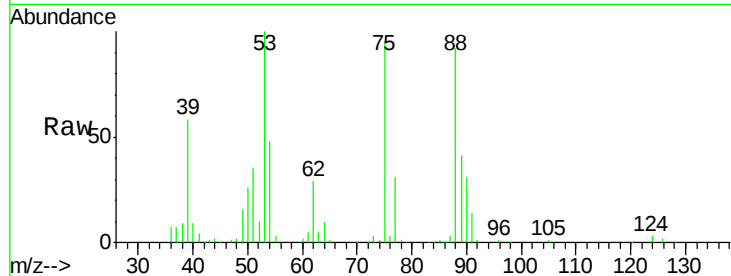
75 100

53 106.3 76.1 114.1

89 44.6 36.3 54.5

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:35:33 AM



#82

4-Chlorotoluene

Concen: 18.961 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX007863.D

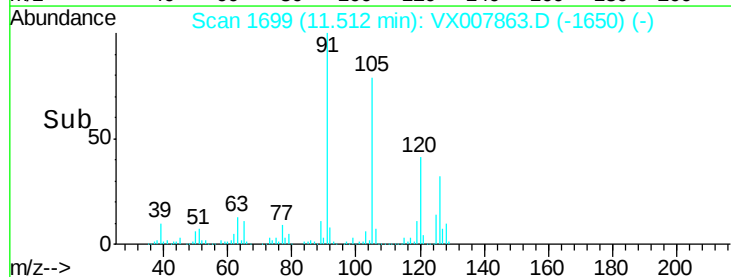
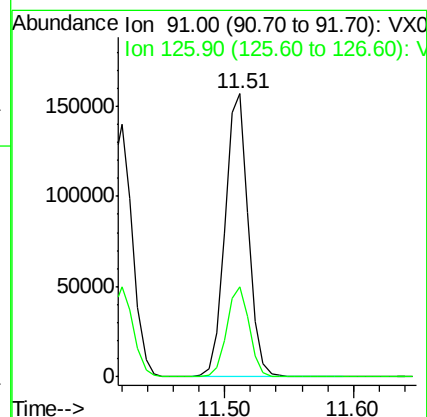
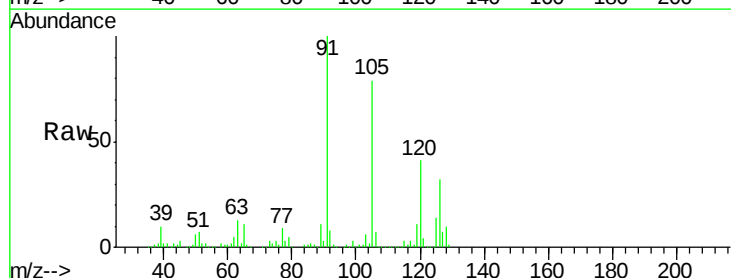
Acq: 06 Mar 2019 16:41

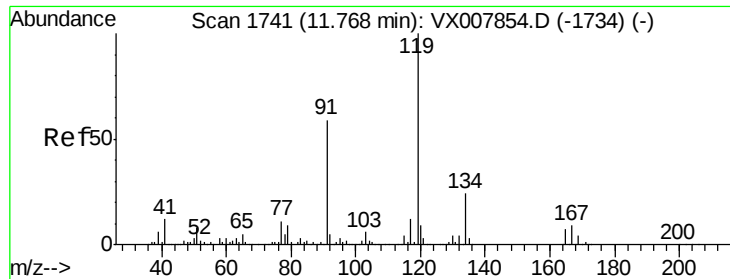
Tgt Ion: 91 Resp: 199208

Ion Ratio Lower Upper

91 100

126 31.1 15.6 46.8





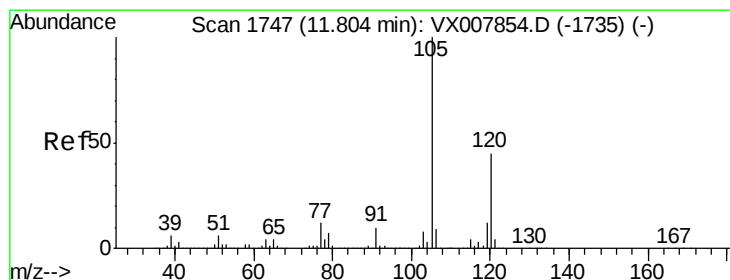
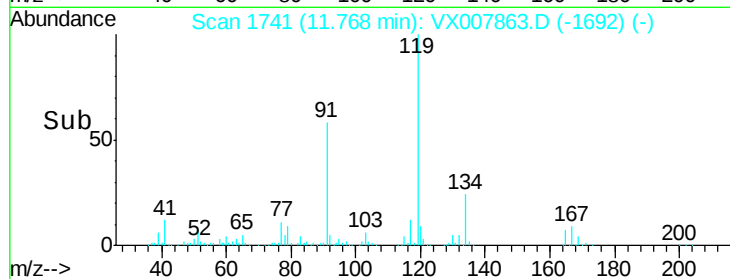
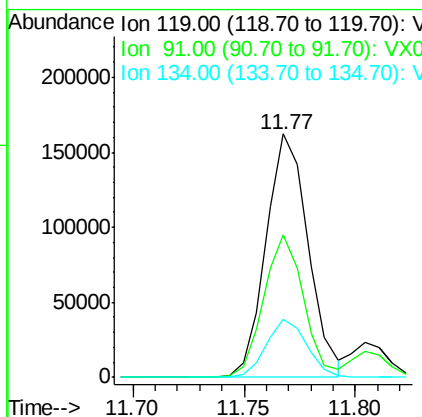
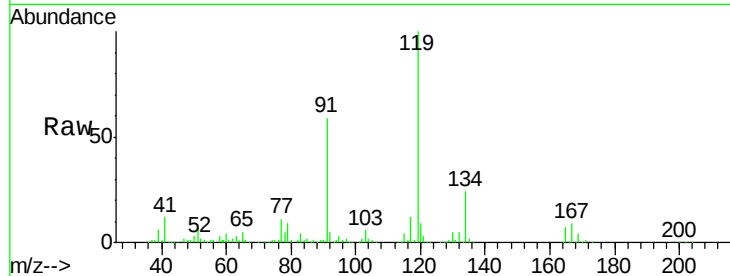
#83
 tert-Butylbenzene
 Concen: 19.034 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX007863.D
 Acq: 06 Mar 2019 16:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0306WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	213292		
91	55.7	27.1	81.3	
134	22.9	11.4	34.1	

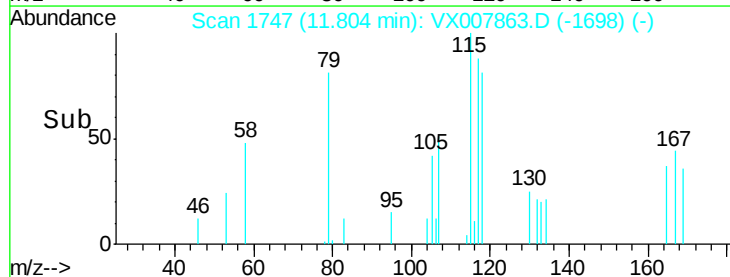
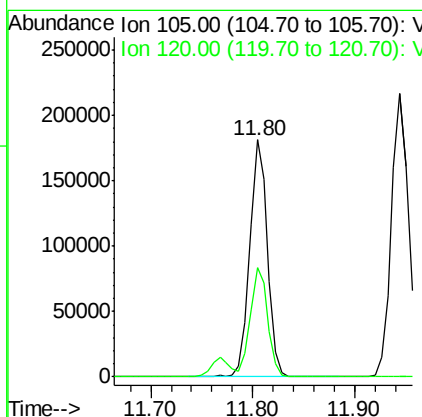
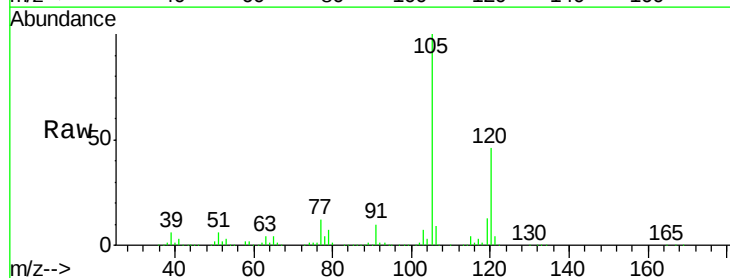
Manual Integrations
 APPROVED

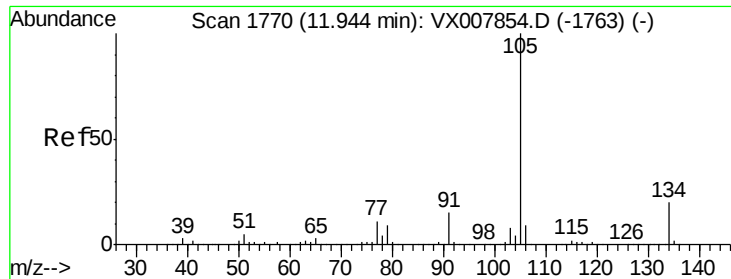
MMDadoda
 3/7/2019 10:35:33 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.241 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX007863.D
 Acq: 06 Mar 2019 16:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	219425		
120	45.4	22.6	67.7	





#85

sec-Butylbenzene

Concen: 19.457 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007863.D

Acq: 06 Mar 2019 16:41

Instrument :

MSVOA_X

ClientSampled :

VX0306WBS01

Tot Ion:105 Resp: 256785

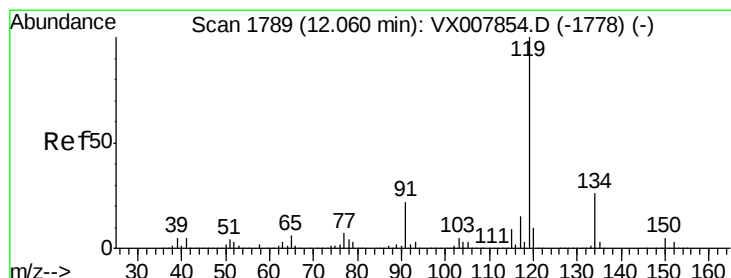
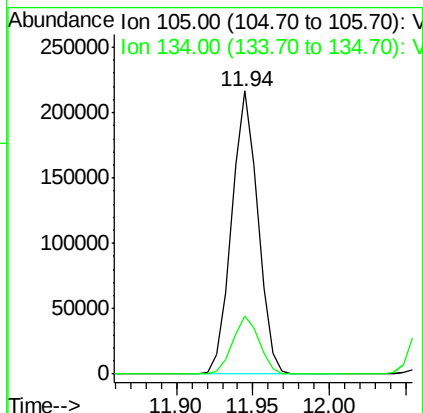
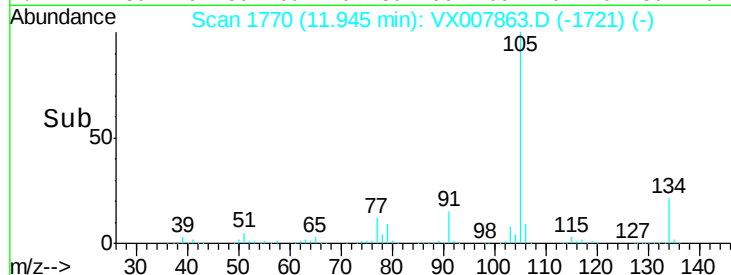
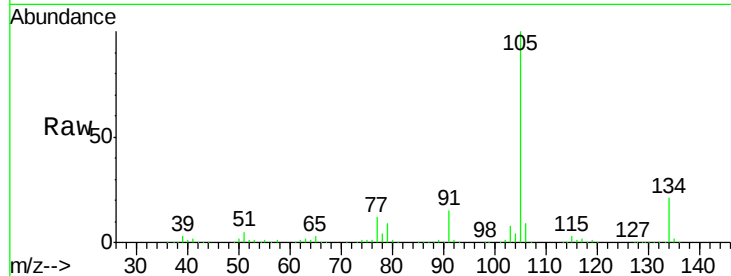
Ion Ratio Lower Upper

105 100

134 20.8 10.4 31.2

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:35:33 AM



#86

p-Isopropyltoluene

Concen: 19.689 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007863.D

Acq: 06 Mar 2019 16:41

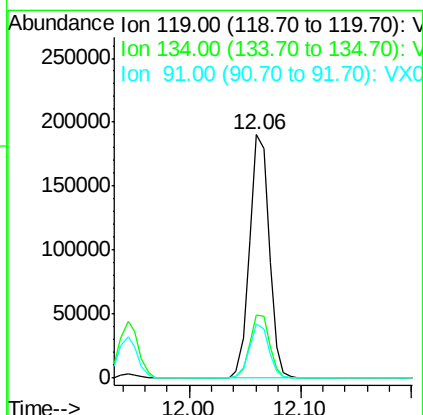
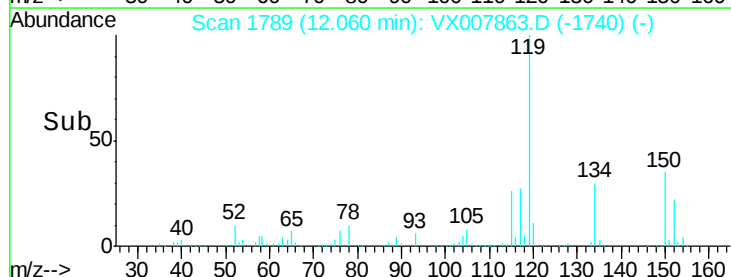
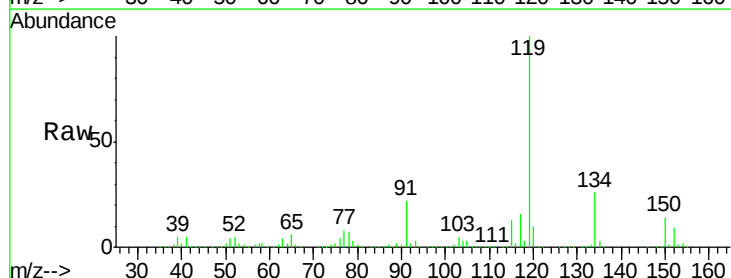
Tgt Ion:119 Resp: 232705

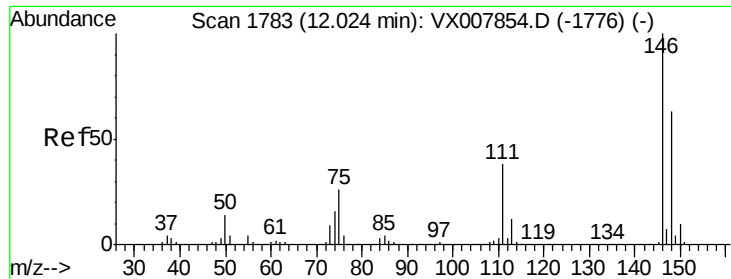
Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.9

91 22.1 10.9 32.7





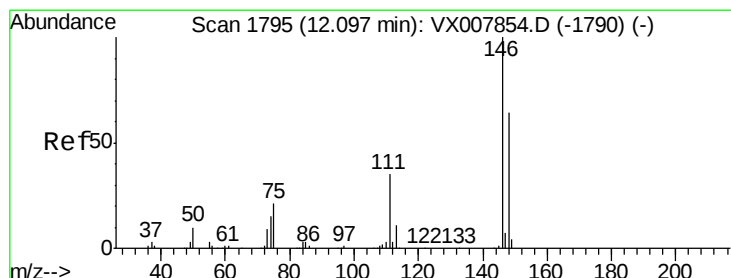
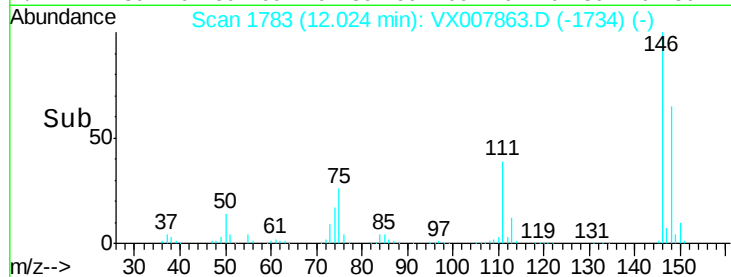
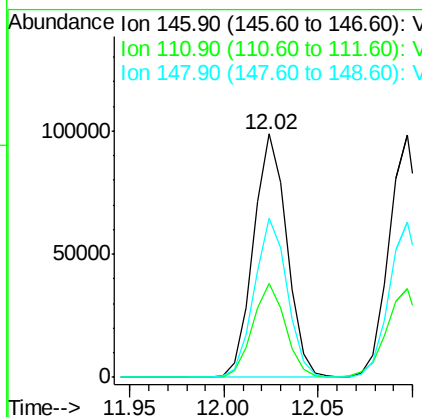
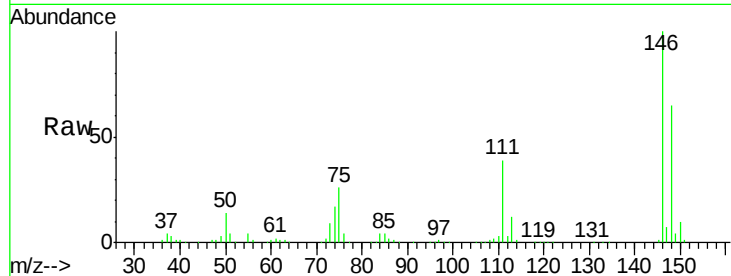
#87
 1,3-Dichlorobenzene
 Concen: 18.519 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007863.D
 Acq: 06 Mar 2019 16:41

Instrument :
 MSVOA_X
 ClientSampled :
 VX0306WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.7
148	64.1	31.7	95.1

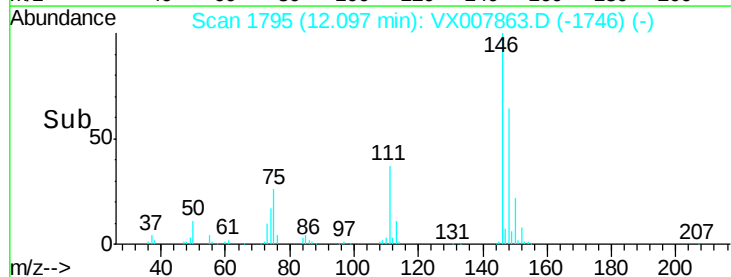
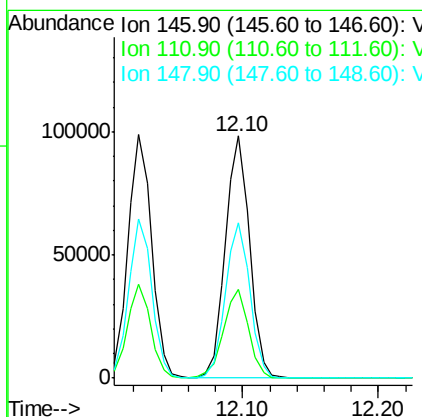
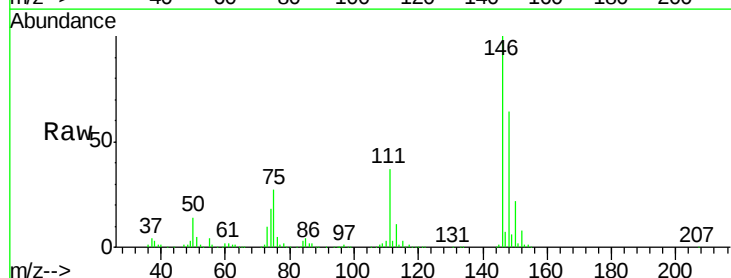
Manual Integrations
 APPROVED

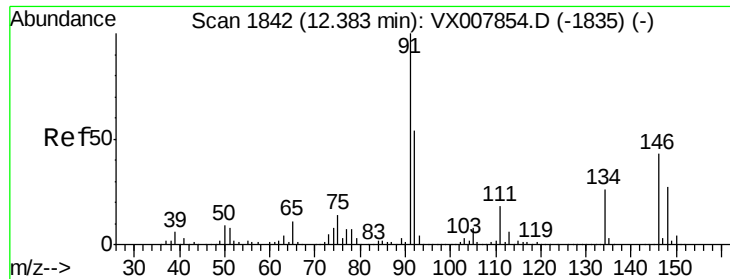
MMDadoda
 3/7/2019 10:35:33 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.118 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007863.D
 Acq: 06 Mar 2019 16:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.4	55.0
148	64.8	32.2	96.6





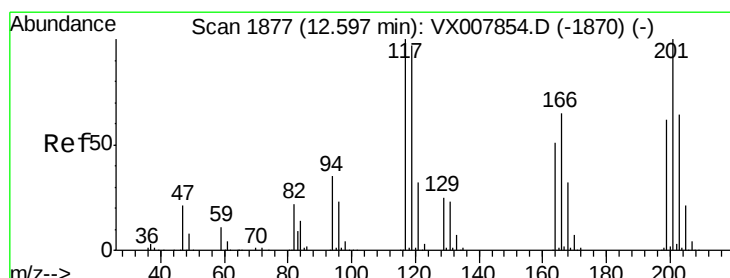
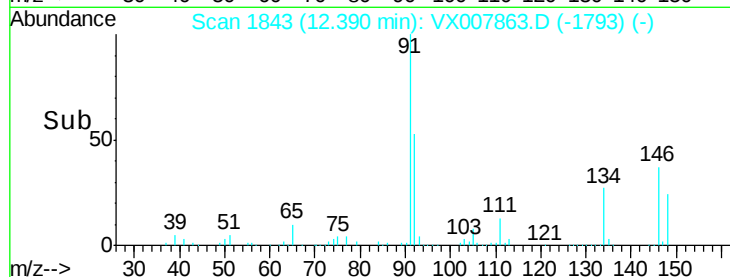
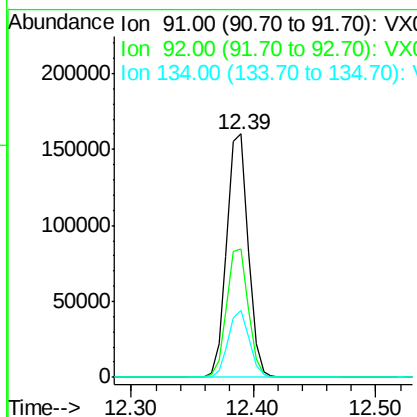
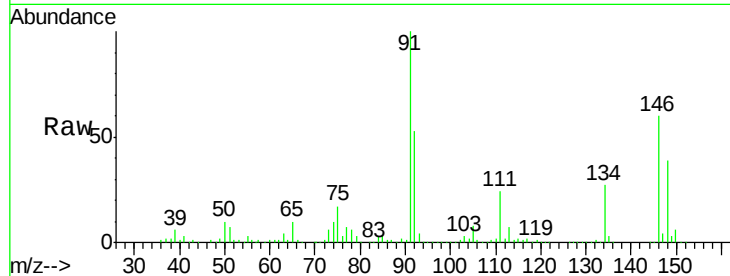
#89
n-Butylbenzene
Concen: 19.408 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX007863.D
Acq: 06 Mar 2019 16:41

Instrument :
MSVOA_X
ClientSampled :
VX0306WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		194338		
92	53.4	27.0	80.8		
134	26.8	13.7	41.0		

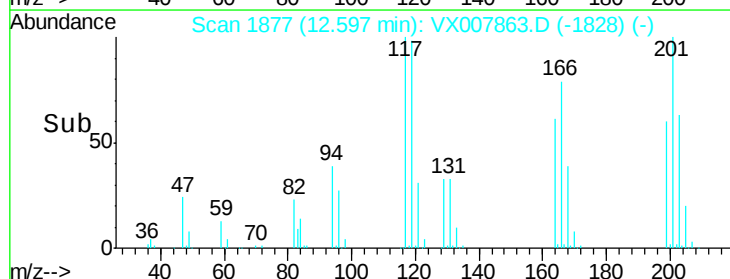
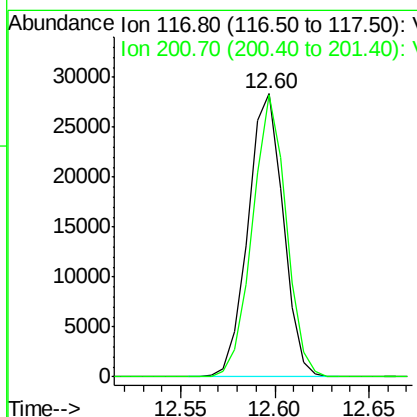
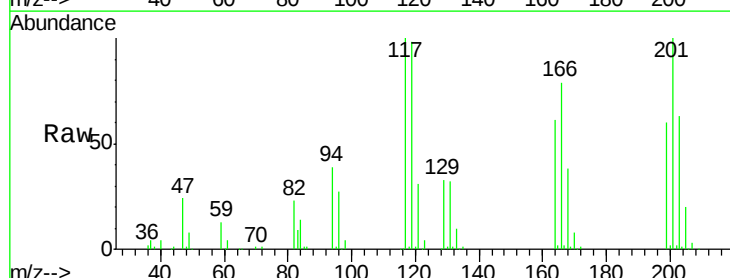
Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:35:33 AM



#90
Hexachloroethane
Concen: 18.541 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007863.D
Acq: 06 Mar 2019 16:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		36639		
201	95.7	48.9	146.7		





#91

1,2-Dichlorobenzene

Concen: 18.688 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007863.D

Acq: 06 Mar 2019 16:41

Instrument :

MSVOA_X

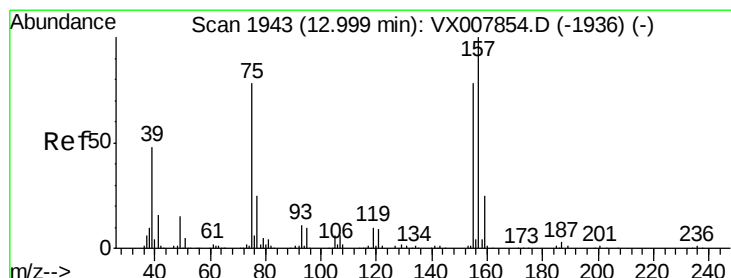
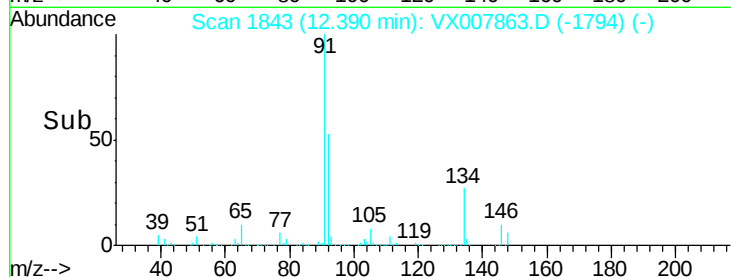
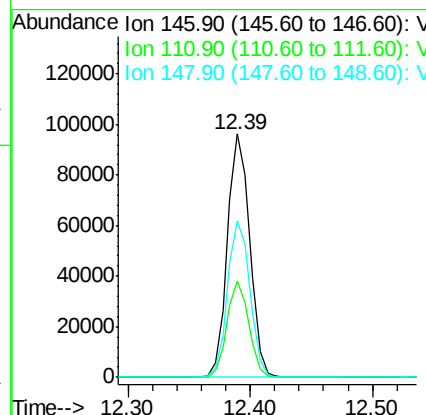
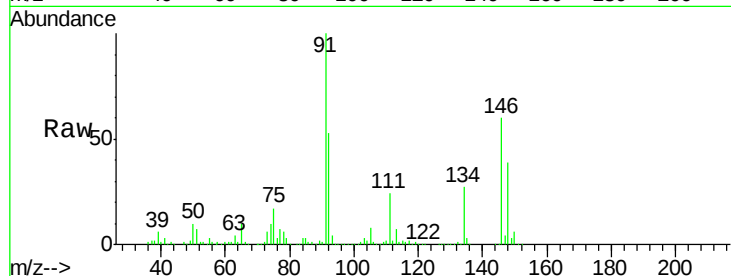
ClientSampleId :

VX0306WBS01

Tot Ion:	146	Resp:	121709
Ion Ratio	Lower	Upper	
146	100		
111	38.7	19.6	58.8
148	64.5	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:35:33 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.667 ug/l

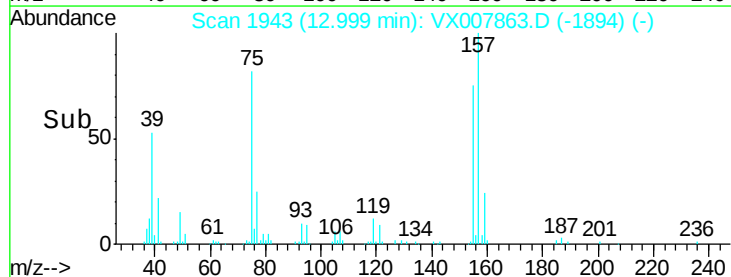
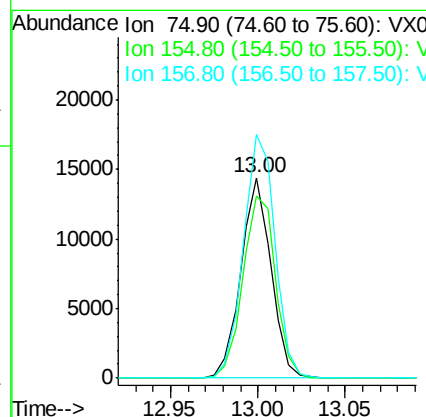
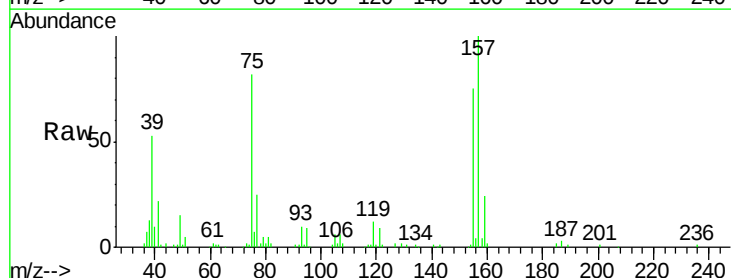
RT: 13.00 min Scan# 1943

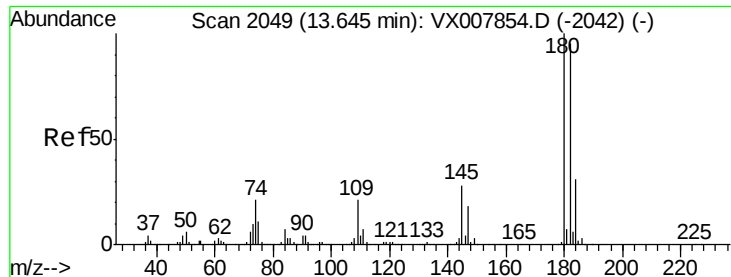
Delta R.T. 0.00 min

Lab File: VX007863.D

Acq: 06 Mar 2019 16:41

Tgt Ion:	75	Resp:	17214
Ion Ratio	Lower	Upper	
75	100		
155	98.6	49.7	149.1
157	127.5	63.8	191.4





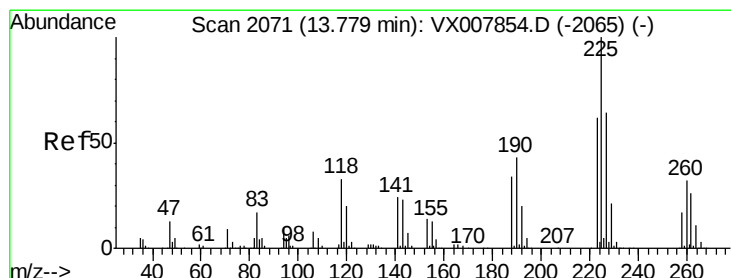
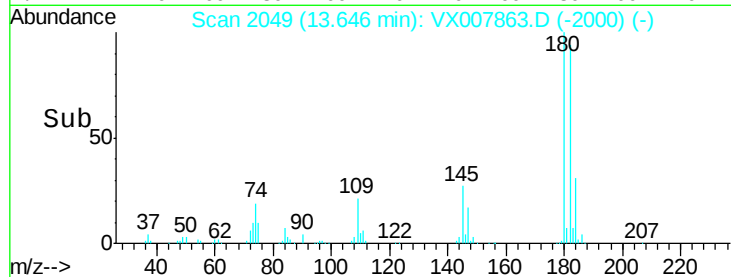
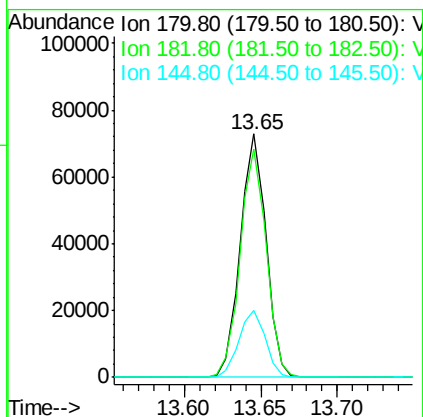
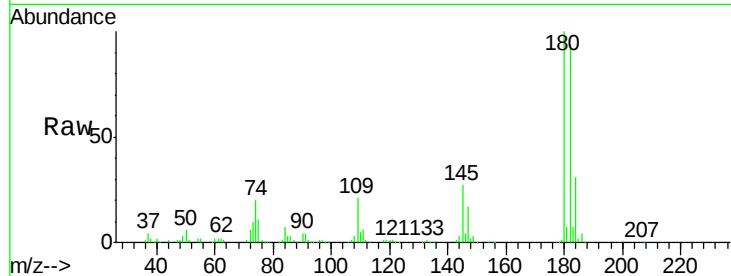
#93
 1,2,4-Trichlorobenzene
 Concen: 18.617 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007863.D
 Acq: 06 Mar 2019 16:41

Instrument :
 MSVOA_X
 ClientSampled :
 VX0306WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.9	143.7
145	28.2	14.1	42.4

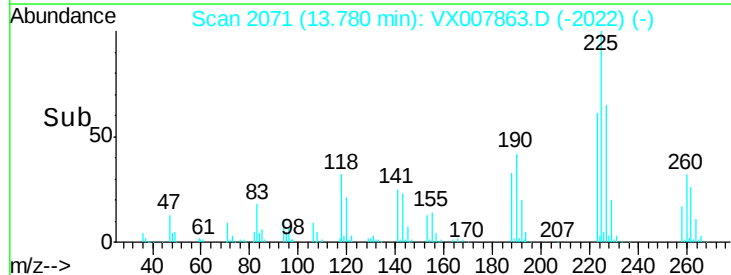
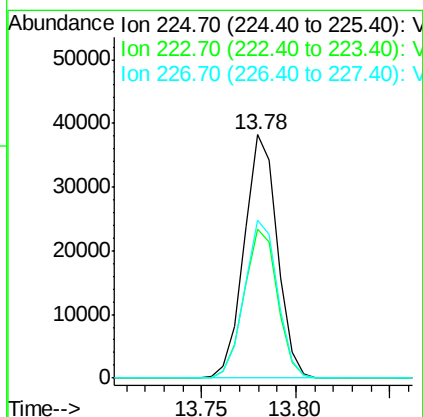
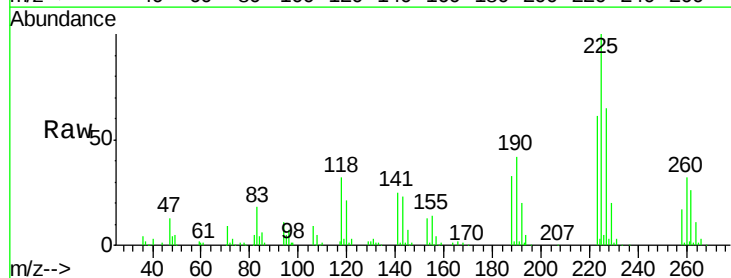
Manual Integrations
 APPROVED

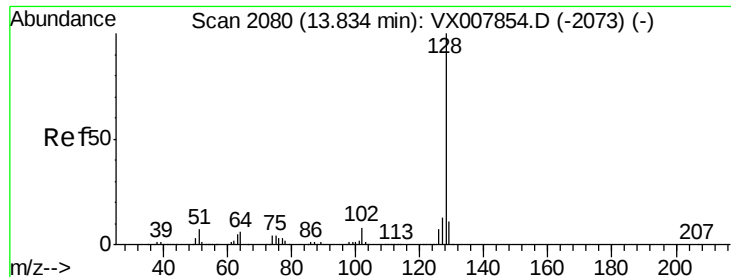
MMDadoda
 3/7/2019 10:35:33 AM



#94
 Hexachlorobutadiene
 Concen: 19.436 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007863.D
 Acq: 06 Mar 2019 16:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.1	93.2
227	64.8	32.0	96.0





#95

Naphthalene

Concen: 18.744 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007863.D

Acq: 06 Mar 2019 16:41

Instrument :

MSVOA_X

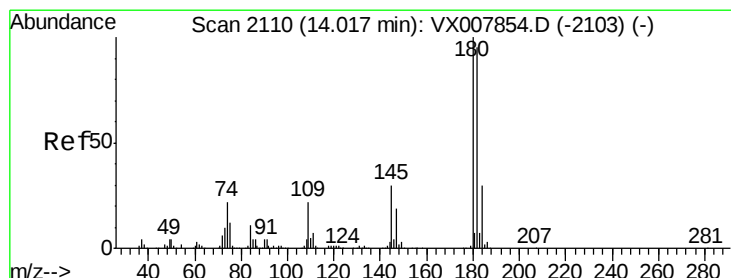
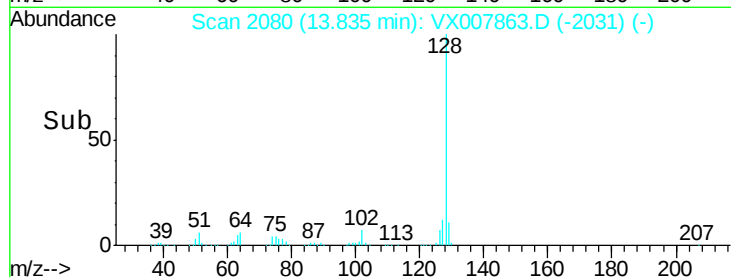
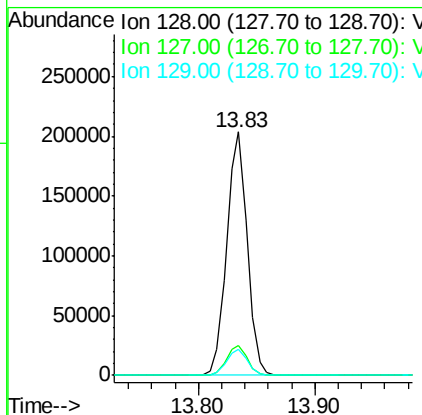
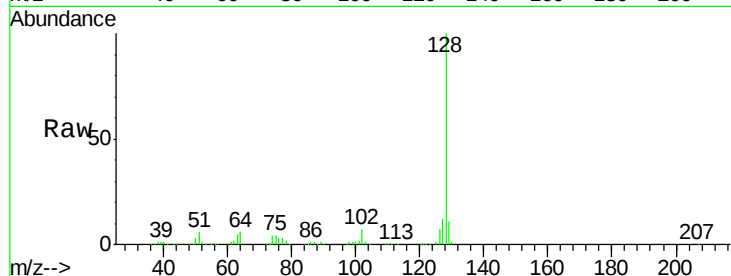
ClientSampled :

VX0306WBS01

Tot Ion:	128	Resp:	247088
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:35:33 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.657 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007863.D

Acq: 06 Mar 2019 16:41

Tgt Ion:	180	Resp:	85033
Ion Ratio	Lower	Upper	
180	100		
182	97.2	47.5	142.5
145	30.0	14.8	44.3

