

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061719\
 Data File : VX010319.D
 Acq On : 17 Jun 2019 13:12
 Operator : JC/SP
 Sample : VX0617WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0617WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/18/2019 11:26:30 AM

Quant Time: Jun 18 02:03:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	306170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	450365	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	406794	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	208785	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	150080	50.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.44%	
35) Dibromofluoromethane	5.50	113	151013	54.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.72%	
50) Toluene-d8	8.71	98	563674	54.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.28%	
62) 4-Bromofluorobenzene	11.13	95	203827	52.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.84%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	52937	18.791	ug/l	96
3) Chloromethane	1.33	50	50182	17.936	ug/l	100
4) Vinyl Chloride	1.41	62	54097	20.573	ug/l	99
5) Bromomethane	1.64	94	26707	26.915	ug/l	98
6) Chloroethane	1.73	64	31873	24.041	ug/l	94
7) Trichlorofluoromethane	1.93	101	87387	22.373	ug/l	99
8) Diethyl Ether	2.19	74	30260	22.477	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	2.39	101	51048	18.960	ug/l	91
10) Methyl Iodide	2.51	142	64177	15.384	ug/l	97
11) Tert butyl alcohol	3.05	59	77407	105.730	ug/l	98
12) 1,1-Dichloroethene	2.37	96	49871	18.134	ug/l #	77
13) Acrolein	2.29	56	9302	69.681	ug/l	100
14) Allyl chloride	2.73	41	75457	18.177	ug/l #	89
15) Acrylonitrile	3.15	53	146948	98.199	ug/l	99
16) Acetone	2.45	43	141610	100.744	ug/l #	86
17) Carbon Disulfide	2.57	76	122447	15.410	ug/l	97
18) Methyl Acetate	2.78	43	63007	20.382	ug/l #	82
19) Methyl tert-butyl Ether	3.20	73	166238	18.816	ug/l	93
20) Methylene Chloride	2.86	84	57344	18.576	ug/l #	78
21) trans-1,2-Dichloroethene	3.17	96	53524	17.587	ug/l #	79
22) Diisopropyl ether	3.86	45	155349	19.573	ug/l #	86
23) Vinyl Acetate	3.82	43	674900	95.319	ug/l #	88
24) 1,1-Dichloroethane	3.70	63	89146	18.499	ug/l #	93
25) 2-Butanone	4.67	43	209943	100.301	ug/l #	83
26) 2,2-Dichloropropane	4.59	77	79795	18.151	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	64067	18.923	ug/l	78
28) Bromochloromethane	5.02	49	40827	18.904	ug/l #	46
29) Tetrahydrofuran	5.13	42	129549	98.483	ug/l #	76
30) Chloroform	5.21	83	95111	19.005	ug/l	94
31) Cyclohexane	5.58	56	78575	18.067	ug/l #	75
32) 1,1,1-Trichloroethane	5.49	97	85535	18.180	ug/l	94
36) 1,1-Dichloropropene	5.80	75	68000	18.507	ug/l	93
37) Ethyl Acetate	4.84	43	75167	19.662	ug/l #	90
38) Carbon Tetrachloride	5.79	117	76671	18.436	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061719\
 Data File : VX010319.D
 Acq On : 17 Jun 2019 13:12
 Operator : JC/SP
 Sample : VX0617WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0617WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/18/2019 11:26:30 AM

Quant Time: Jun 18 02:03:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	88598	17.708	ug/l #	81
40) Benzene	6.15	78	219571	19.326	ug/l	97
41) Methacrylonitrile	5.04	41	39949	19.318	ug/l #	82
42) 1,2-Dichloroethane	6.20	62	68440	18.869	ug/l	93
43) Isopropyl Acetate	6.45	43	123116	19.261	ug/l #	90
44) Trichloroethene	7.21	130	65376	19.089	ug/l	85
45) 1,2-Dichloropropane	7.51	63	56858	19.994	ug/l	97
46) Dibromomethane	7.66	93	40013	18.781	ug/l	91
47) Bromodichloromethane	7.90	83	74858	18.804	ug/l #	97
48) Methyl methacrylate	7.77	41	57281	19.162	ug/l #	77
49) 1,4-Dioxane	7.74	88	33311	390.835	ug/l #	80
51) 4-Methyl-2-Pentanone	8.64	43	400449	104.868	ug/l	90
52) Toluene	8.79	92	143618	19.230	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	83248	18.079	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	90054	18.243	ug/l	91
55) 1,1,2-Trichloroethane	9.21	97	61933	20.248	ug/l	97
56) Ethyl methacrylate	9.18	69	91293	18.895	ug/l #	83
57) 1,3-Dichloropropane	9.37	76	95037	19.736	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	186516	81.886	ug/l #	85
59) 2-Hexanone	9.49	43	315780	103.718	ug/l	88
60) Dibromochloromethane	9.58	129	69260	19.144	ug/l	99
61) 1,2-Dibromoethane	9.67	107	64841	19.034	ug/l	99
64) Tetrachloroethene	9.34	164	63609	21.053	ug/l	97
65) Chlorobenzene	10.14	112	164901	19.641	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	62410	19.330	ug/l	100
67) Ethyl Benzene	10.25	91	273595	19.142	ug/l	92
68) m/p-Xylenes	10.36	106	212946	38.501	ug/l	89
69) o-Xylene	10.69	106	106393	19.351	ug/l	87
70) Styrene	10.71	104	178223	19.140	ug/l	95
71) Bromoform	10.85	173	55364	18.652	ug/l #	99
73) Isopropylbenzene	11.02	105	280984	19.279	ug/l	96
74) N-amyl acetate	10.90	43	108148	18.771	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.27	83	97235	19.490	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	78946m	18.904	ug/l	
77) Bromobenzene	11.26	156	77542	19.347	ug/l	80
78) n-propylbenzene	11.36	91	303945	18.732	ug/l	94
79) 2-Chlorotoluene	11.42	91	179964	18.467	ug/l	89
80) 1,3,5-Trimethylbenzene	11.51	105	233236	19.000	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	31949	16.903	ug/l	85
82) 4-Chlorotoluene	11.51	91	209161	18.894	ug/l	91
83) tert-Butylbenzene	11.77	119	237406	19.108	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	235317	18.978	ug/l	95
85) sec-Butylbenzene	11.94	105	275233	19.014	ug/l	97
86) p-Isopropyltoluene	12.06	119	252176	19.056	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	133456	18.904	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	134965	18.965	ug/l	97
89) n-Butylbenzene	12.38	91	208873	18.337	ug/l	97
90) Hexachloroethane	12.60	117	46076	17.479	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	137914	20.095	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19968	17.008	ug/l	63

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061719\
Data File : VX010319.D
Acq On : 17 Jun 2019 13:12
Operator : JC/SP
Sample : VX0617WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0617WBSD01

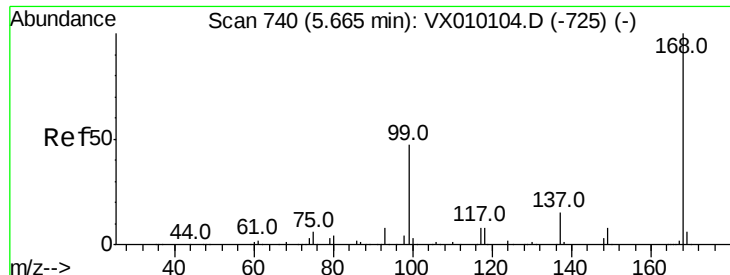
Manual Integrations
APPROVED

MMDadoda
6/18/2019 11:26:30 AM

Quant Time: Jun 18 02:03:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 02:12:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	95544	19.018	ug/l	98
94) Hexachlorobutadiene	13.78	225	45892	20.540	ug/l	98
95) Naphthalene	13.83	128	299664	18.949	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	96453	19.418	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0617WBSD01

Tot Ion:168 Resp: 306170

Ion Ratio Lower Upper

168 100

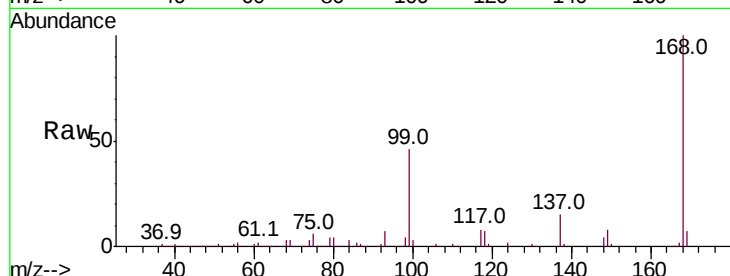
99 45.7 43.0 64.6

Manual Integrations

APPROVED

MMDadoda

6/18/2019 11:26:30 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

20000

0

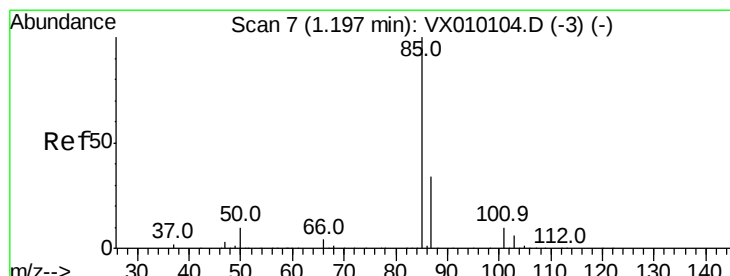
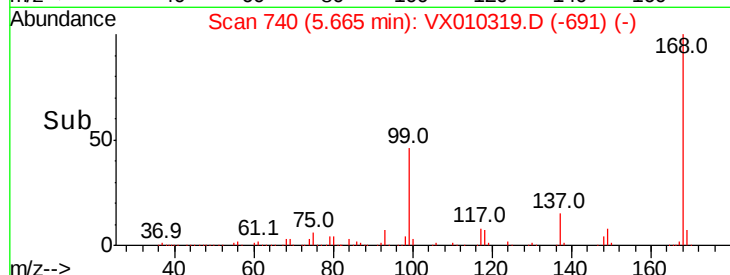
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.791 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX010319.D

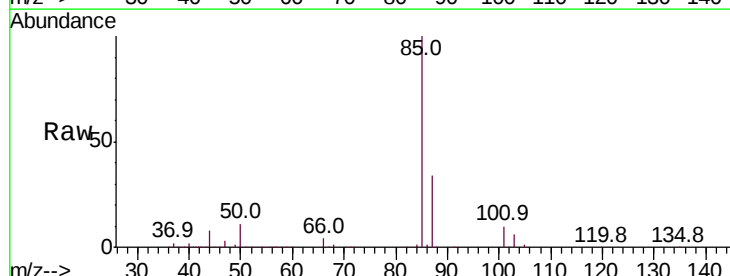
Acq: 17 Jun 2019 13:12

Tgt Ion: 85 Resp: 52937

Ion Ratio Lower Upper

85 100

87 34.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

60000

50000

40000

30000

20000

10000

0

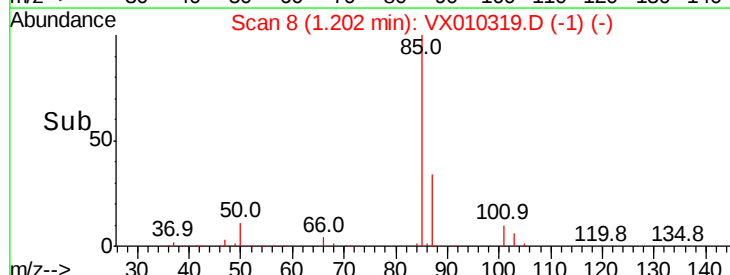
1.15

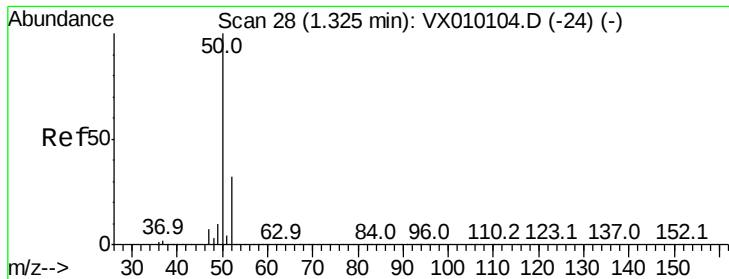
1.20

1.25

1.30

Time-->





#3

Chloromethane

Concen: 17.936 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0617WBSD01

Tot Ion: 50 Resp: 50182

Ion Ratio Lower Upper

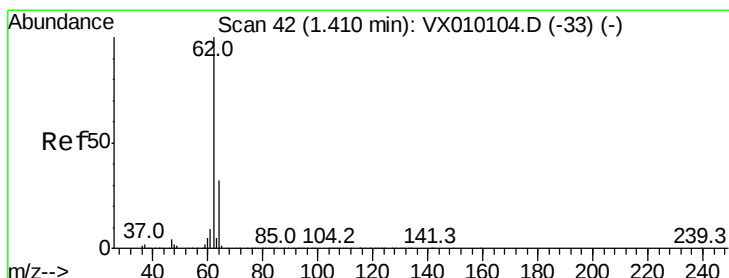
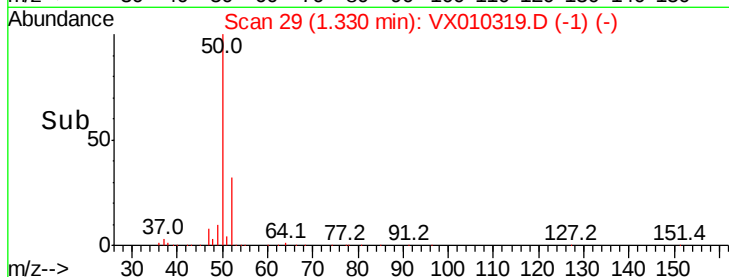
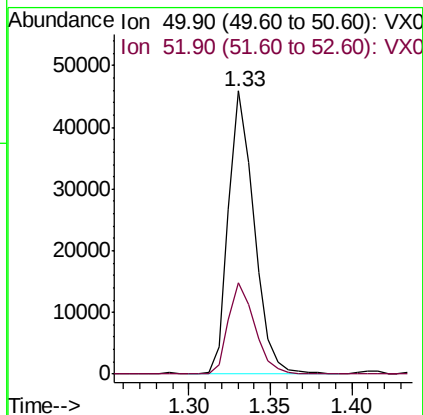
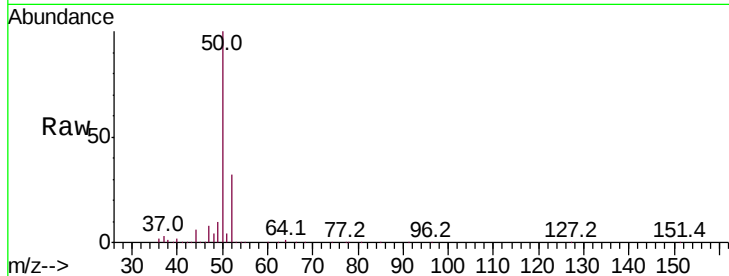
50 100

52 32.4 26.0 39.0

Manual Integrations
APPROVED

MMDadoda

6/18/2019 11:26:30 AM



#4

Vinyl Chloride

Concen: 20.573 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010319.D

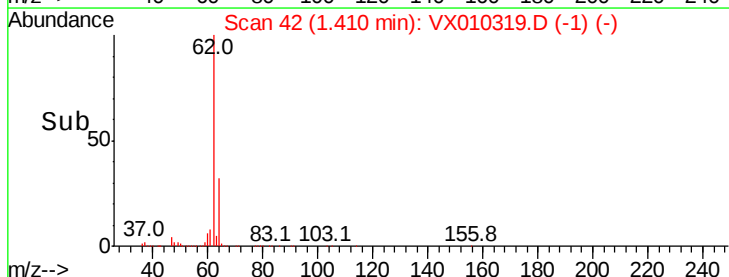
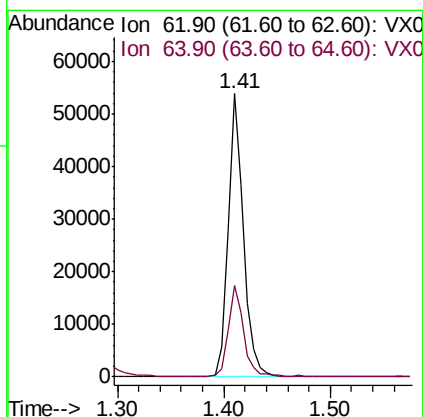
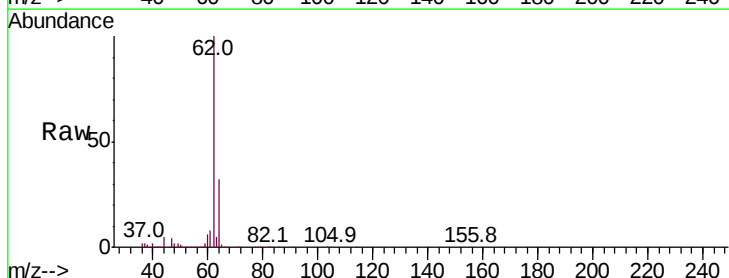
Acq: 17 Jun 2019 13:12

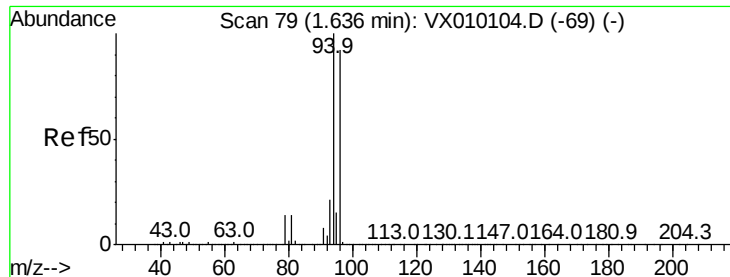
Tgt Ion: 62 Resp: 54097

Ion Ratio Lower Upper

62 100

64 31.8 25.7 38.5





#5

Bromomethane

Concen: 26.915 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0617WBSD01

Tot Ion: 94 Resp: 26707

Ion Ratio Lower Upper

94 100

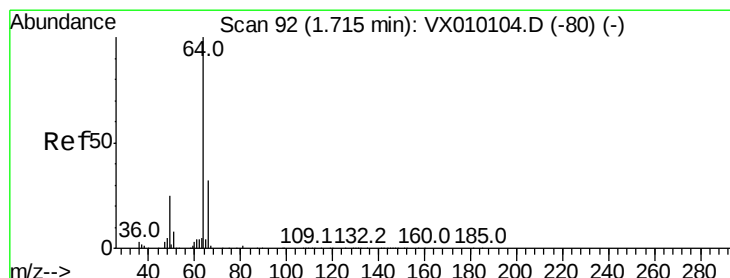
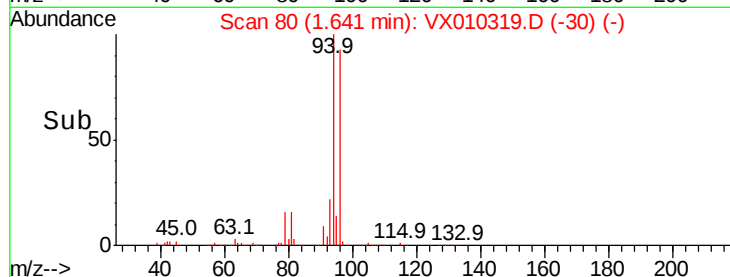
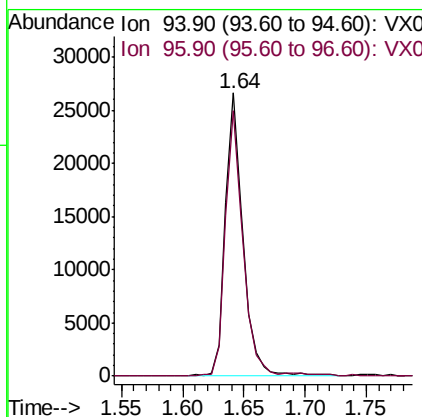
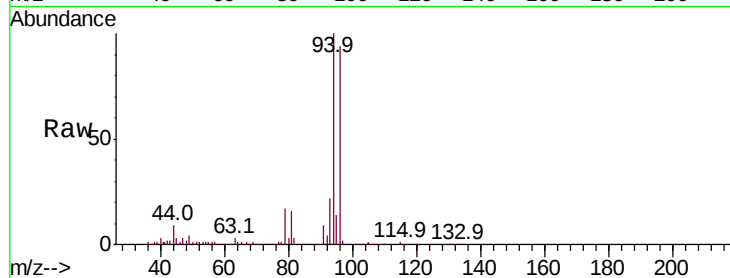
96 93.7 76.2 114.4

Manual Integrations

APPROVED

MMDadoda

6/18/2019 11:26:30 AM



#6

Chloroethane

Concen: 24.041 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX010319.D

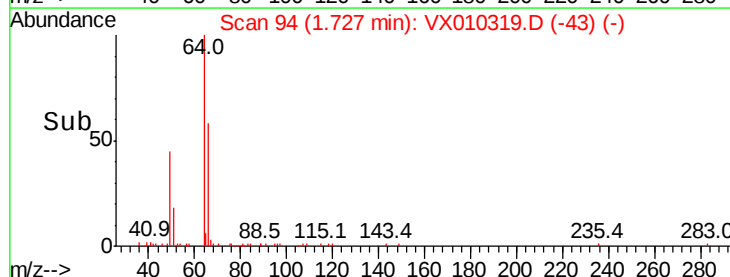
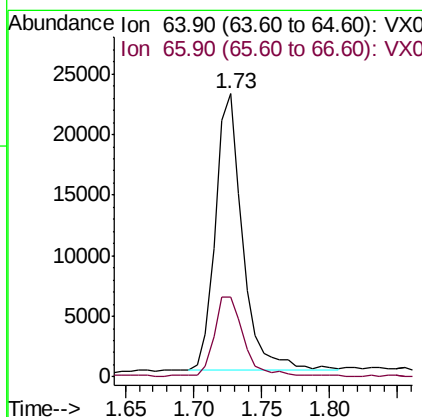
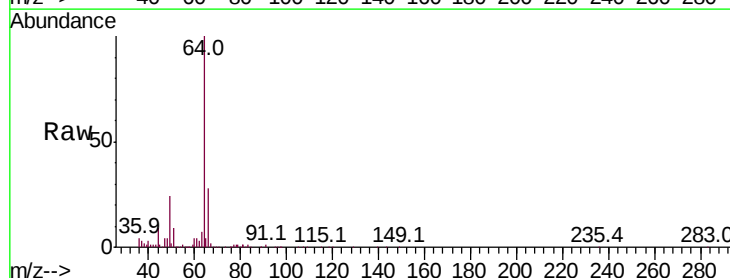
Acq: 17 Jun 2019 13:12

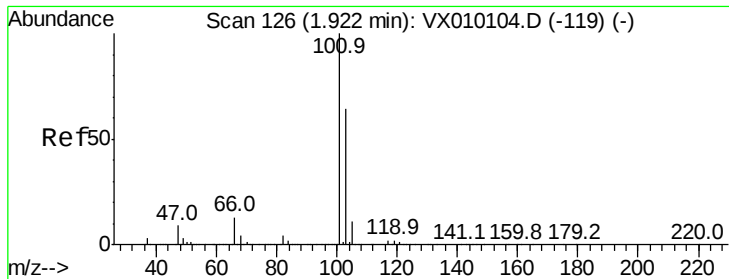
Tgt Ion: 64 Resp: 31873

Ion Ratio Lower Upper

64 100

66 28.3 25.1 37.7





#7

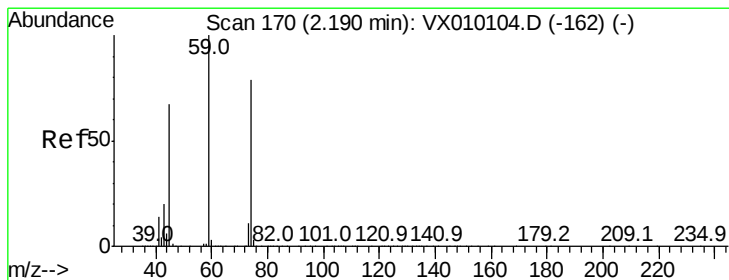
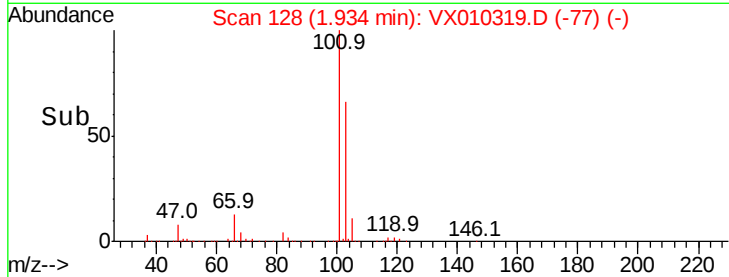
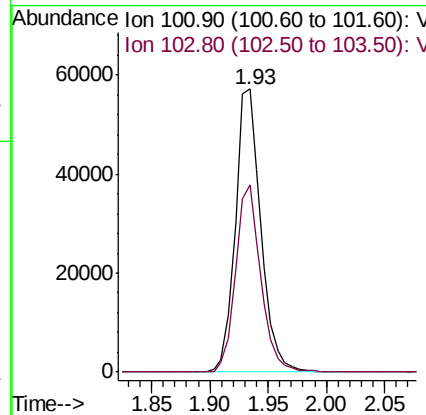
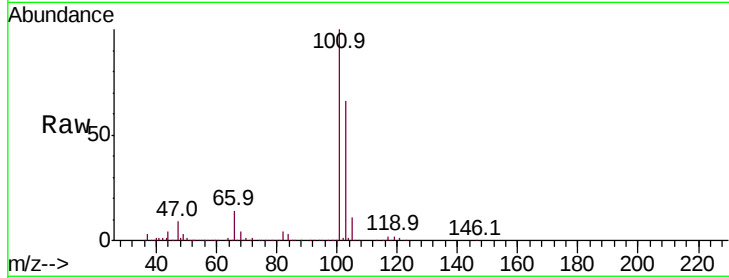
Trichlorofluoromethane
Concen: 22.373 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0617WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	52.2	78.4

Manual Integrations
APPROVED

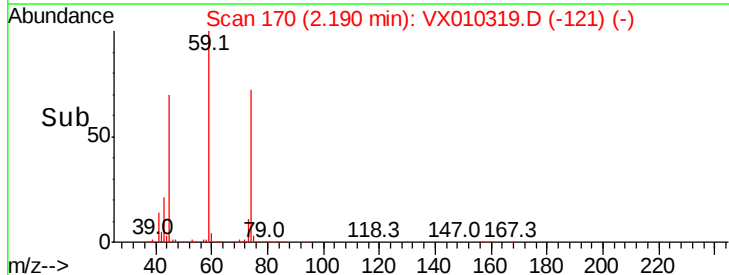
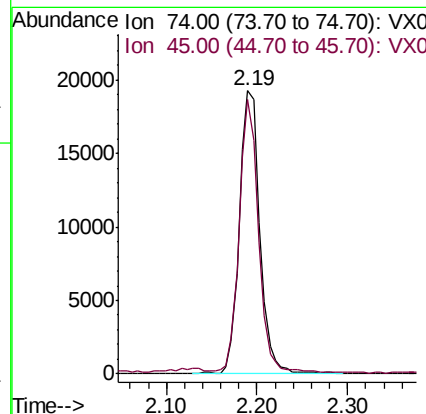
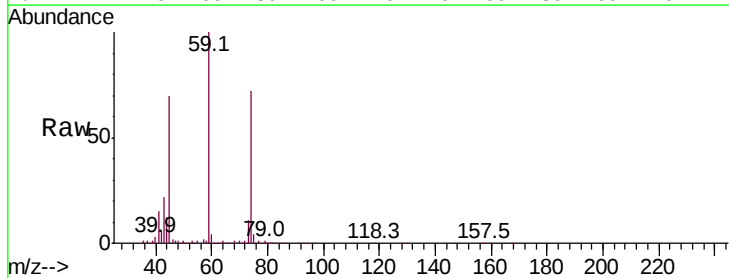
MMDadoda
6/18/2019 11:26:30 AM

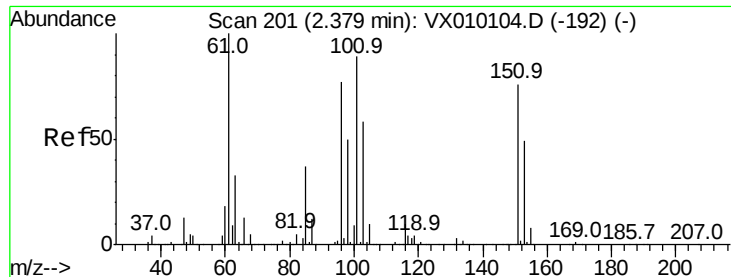


#8

Diethyl Ether
Concen: 22.477 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.6	56.1	168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.960 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

Instrument :

MSVOA_X

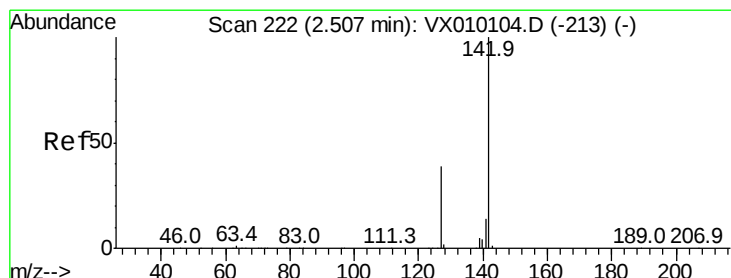
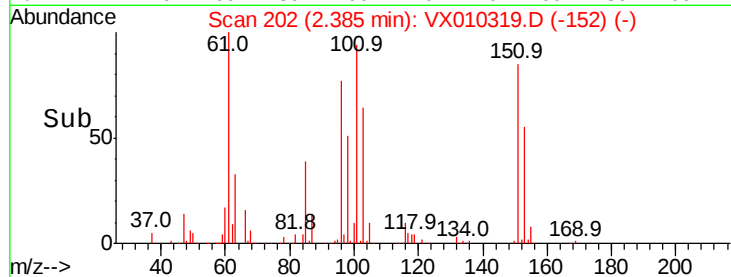
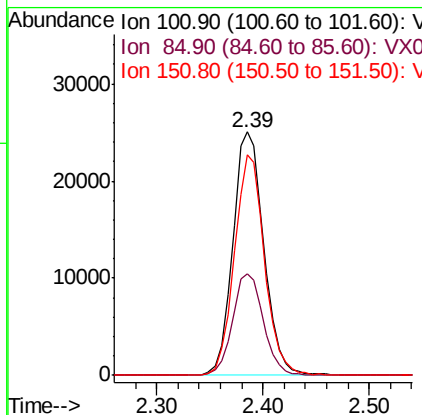
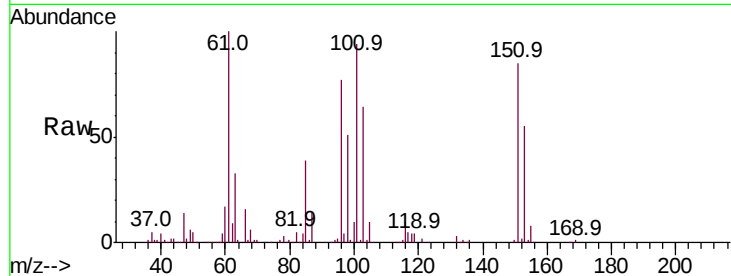
ClientSampleId :

VX0617WBSD01

Tot Ion:	101	Resp:	51048
Ion Ratio	Lower	Upper	
101	100		
85	41.5	35.2	52.8
151	88.1	61.9	92.9

Manual Integrations
APPROVED

MMDadoda
6/18/2019 11:26:30 AM



#10

Methyl Iodide

Concen: 15.384 ug/l

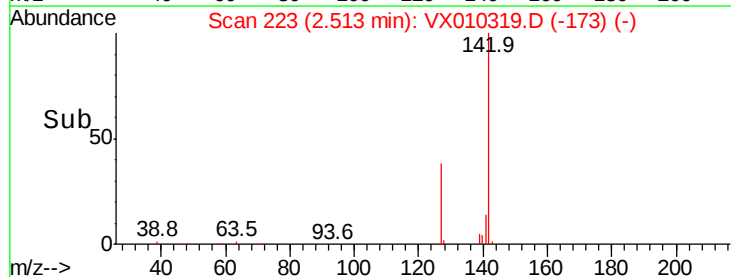
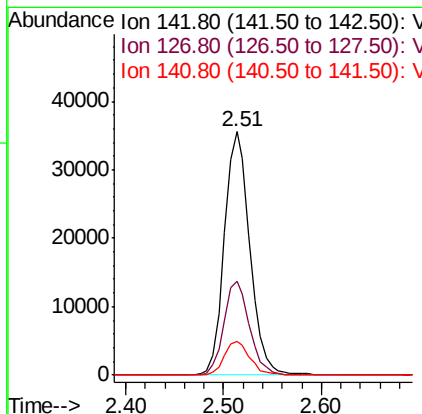
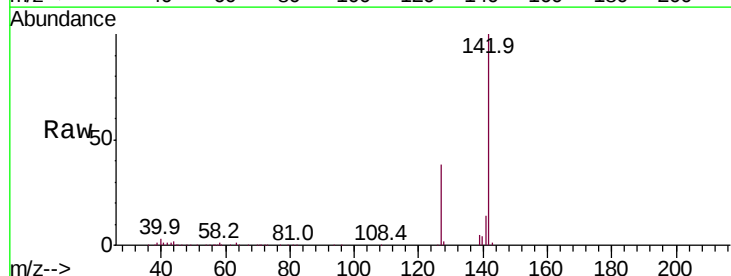
RT: 2.51 min Scan# 223

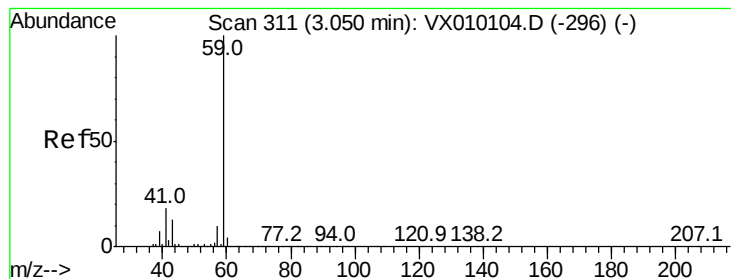
Delta R.T. 0.01 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

Tgt Ion:	142	Resp:	64177
Ion Ratio	Lower	Upper	
142	100		
127	38.8	33.0	49.4
141	13.9	11.4	17.0





#11

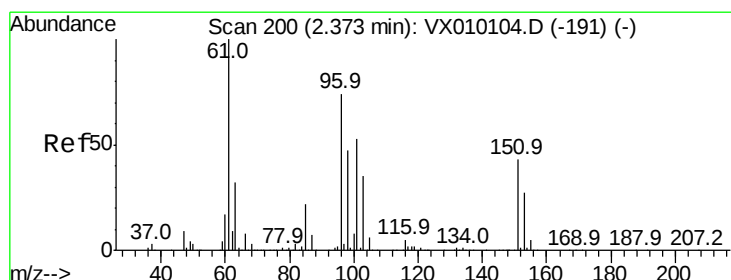
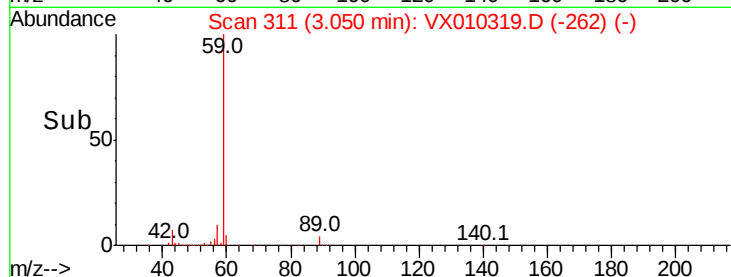
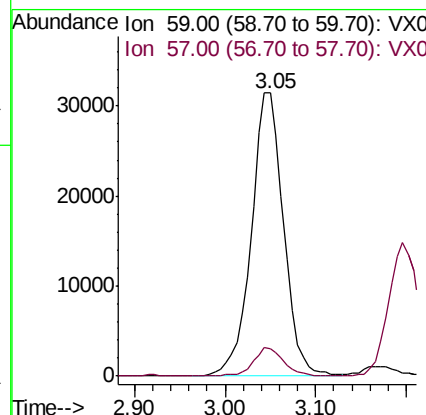
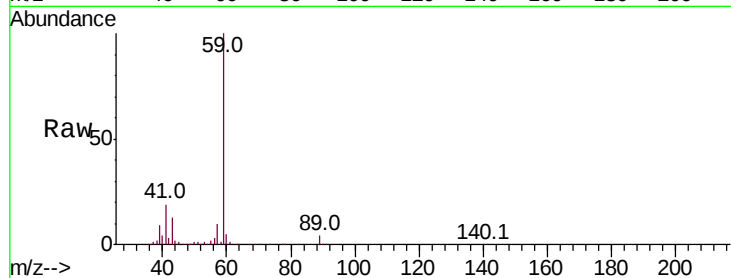
Tert butyl alcohol
Concen: 105.730 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Instrument :
MSVOA_X
ClientSampled :
VX0617WBSD01

Tot Ion	59	Resp	77407
Ion Ratio	100	Lower	Upper
57	9.5	8.2	12.2

Manual Integrations
APPROVED

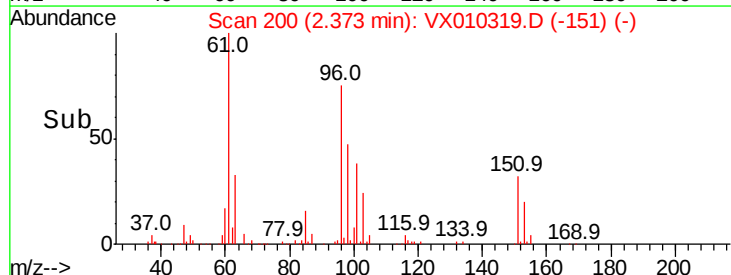
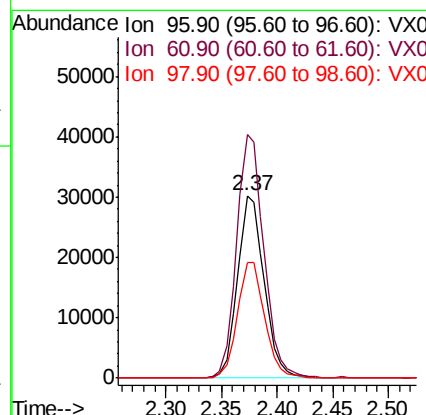
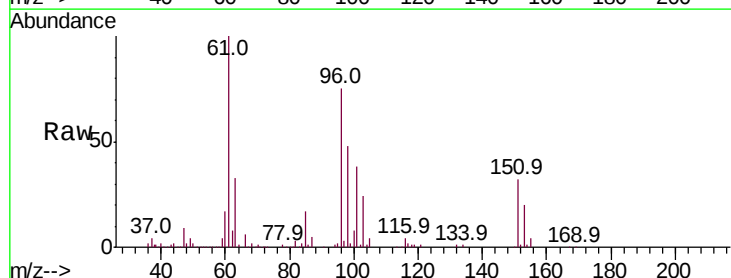
MMDadoda
6/18/2019 11:26:30 AM

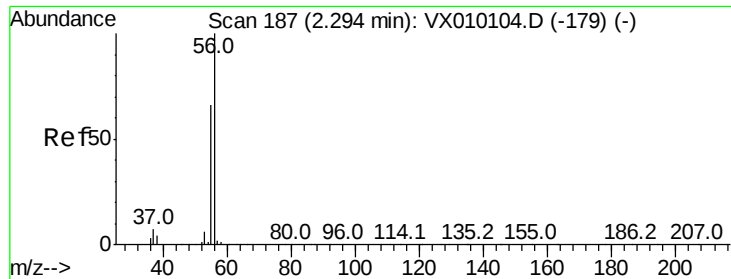


#12

1,1-Dichloroethene
Concen: 18.134 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Tgt Ion	96	Resp	49871
Ion Ratio	100	Lower	Upper
61	133.5	140.7	211.1#
98	63.4	50.1	75.1





#13

Acrolein

Concen: 69.681 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0617WBSD01

Tot Ion: 56 Resp: 9302

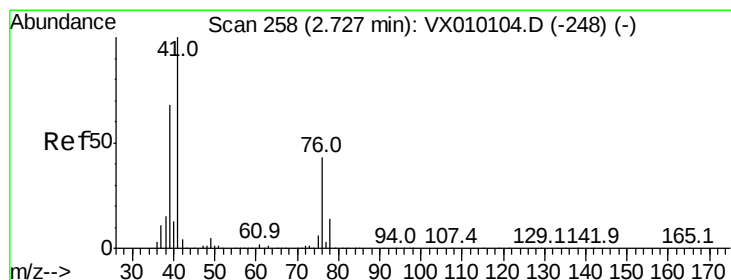
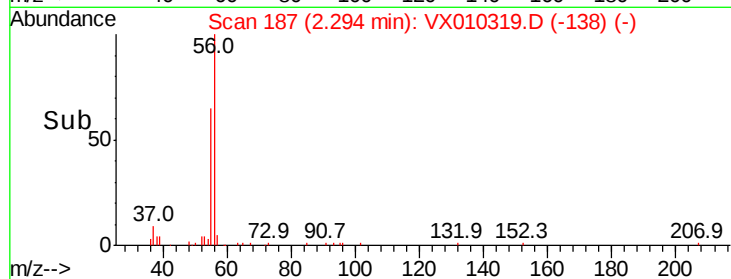
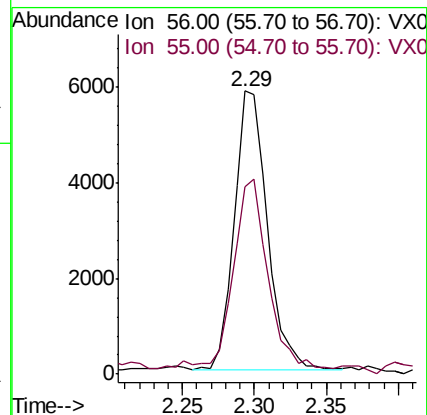
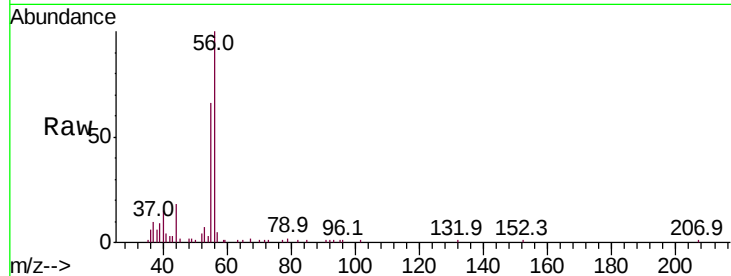
Ion Ratio Lower Upper

56 100

55 70.8 57.0 85.4

Manual Integrations
APPROVED

MMDadoda
6/18/2019 11:26:30 AM



#14

Allyl chloride

Concen: 18.177 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

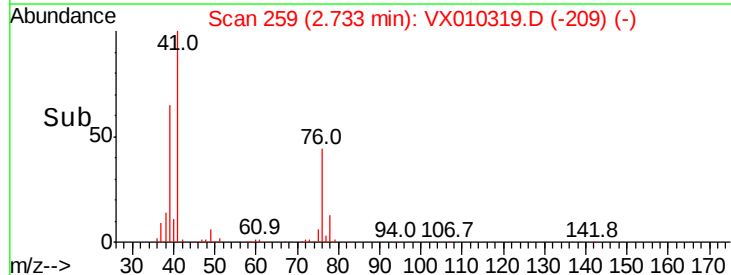
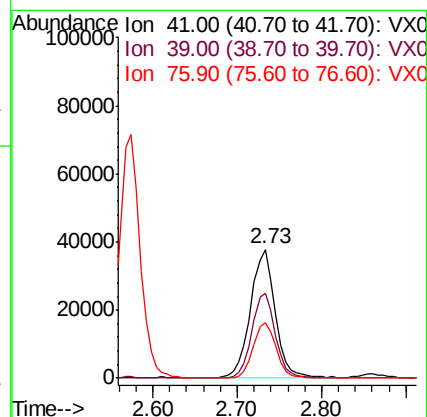
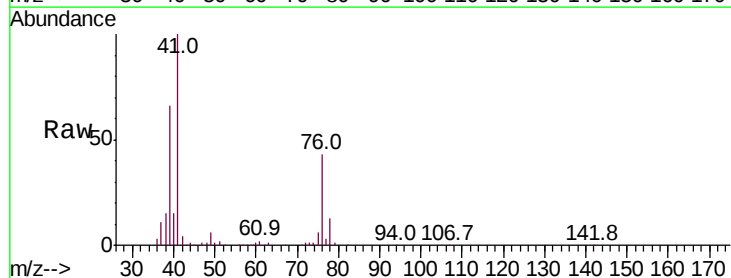
Tgt Ion: 41 Resp: 75457

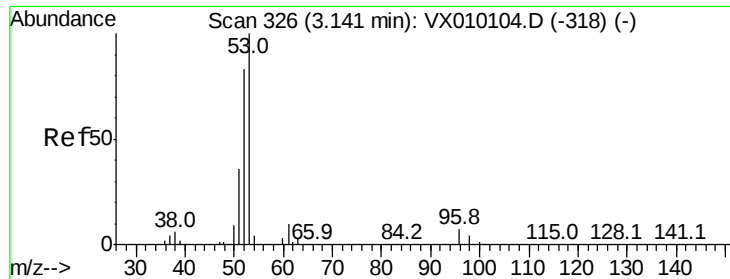
Ion Ratio Lower Upper

41 100

39 61.5 46.7 70.1

76 39.1 21.0 31.4#





#15

Acrylonitrile

Concen: 98.199 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

Instrument :

MSVOA_X

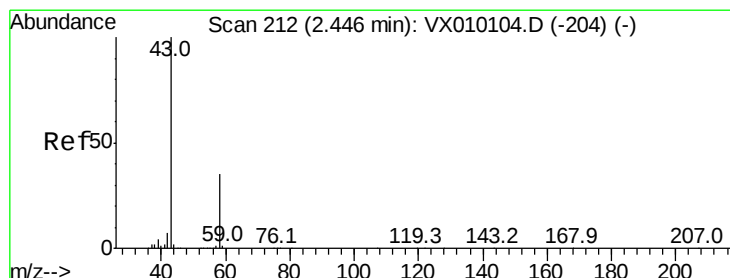
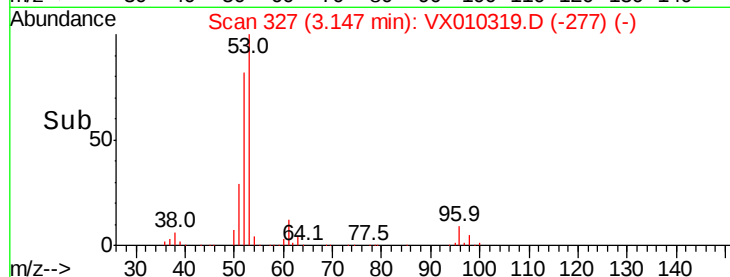
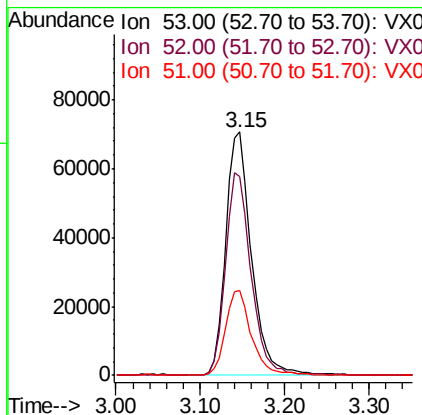
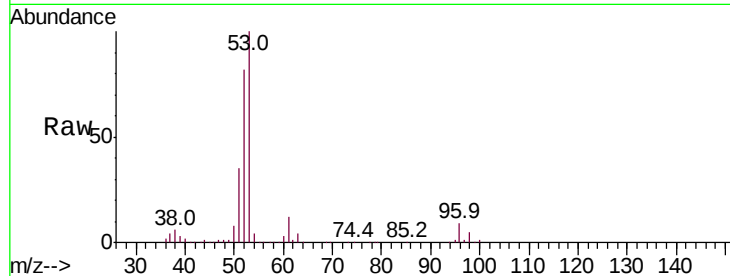
ClientSampleId :

VX0617WBSD01

Tot Ion:	53	Resp:	146948
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.7	100.1
51	35.3	28.8	43.2

Manual Integrations
APPROVED

MMDadoda
6/18/2019 11:26:30 AM



#16

Acetone

Concen: 100.744 ug/l

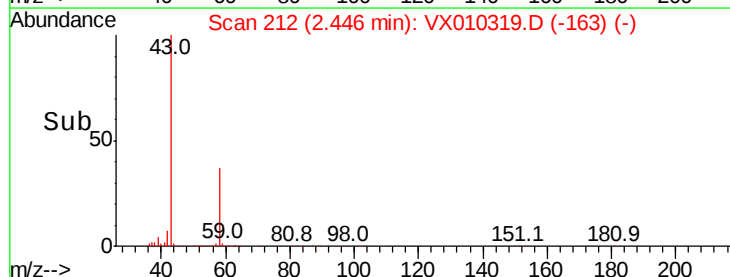
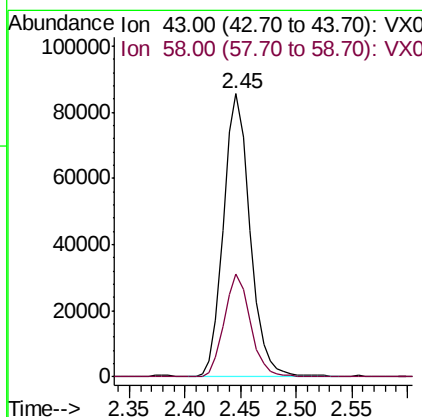
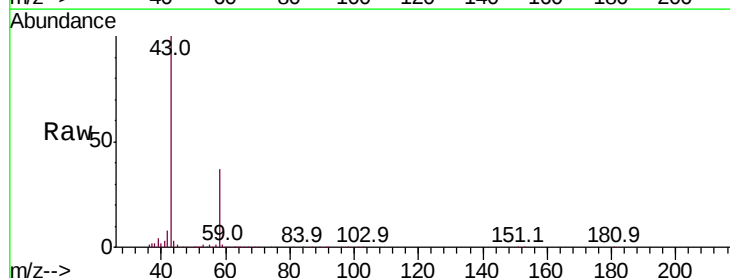
RT: 2.45 min Scan# 212

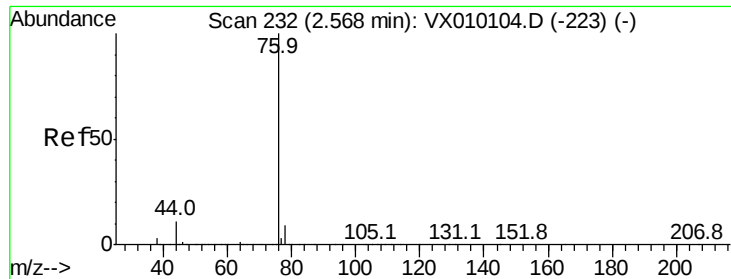
Delta R.T. -0.00 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

Tgt Ion:	43	Resp:	141610
Ion Ratio	Lower	Upper	
43	100		
58	36.5	23.2	34.8#





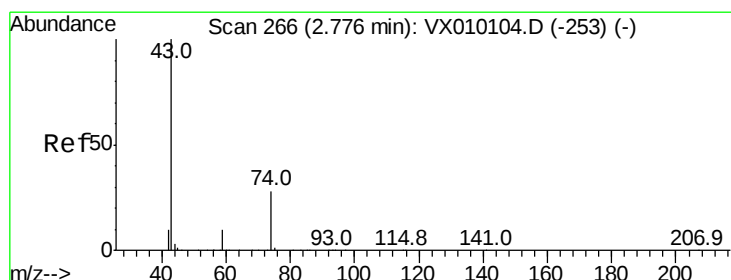
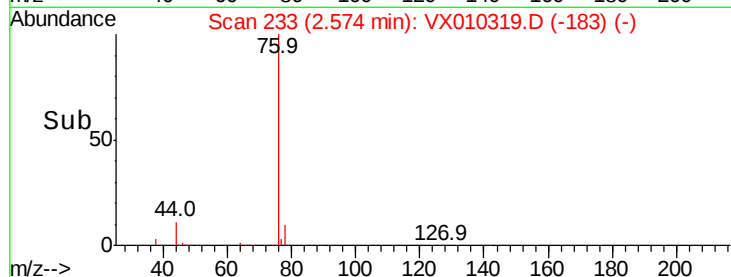
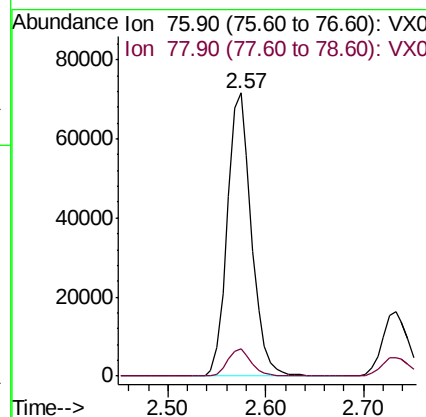
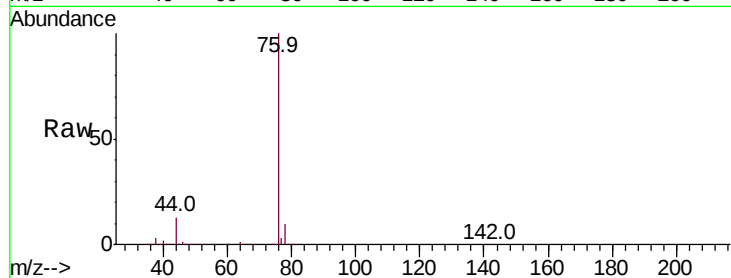
#17
Carbon Disulfide
Concen: 15.410 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0617WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.0	10.6

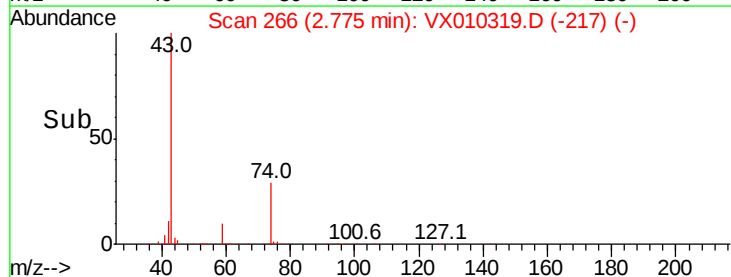
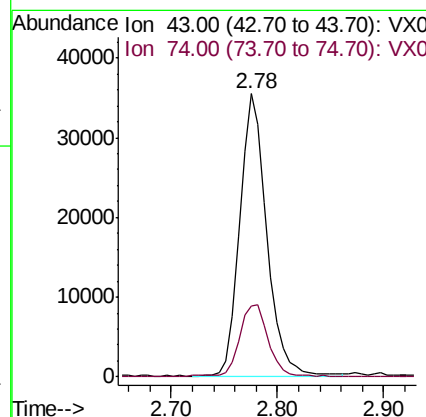
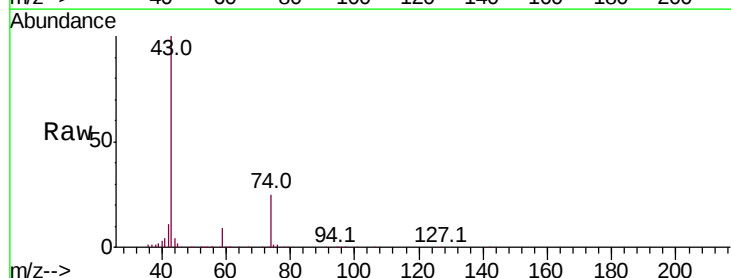
Manual Integrations
APPROVED

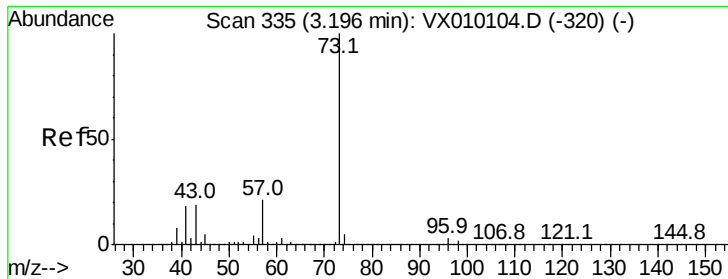
MMDadoda
6/18/2019 11:26:30 AM



#18
Methyl Acetate
Concen: 20.382 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.9	15.8	23.6#





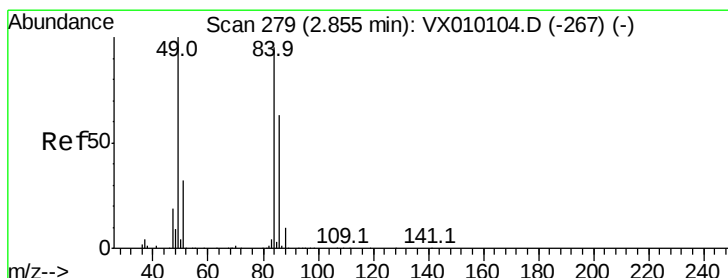
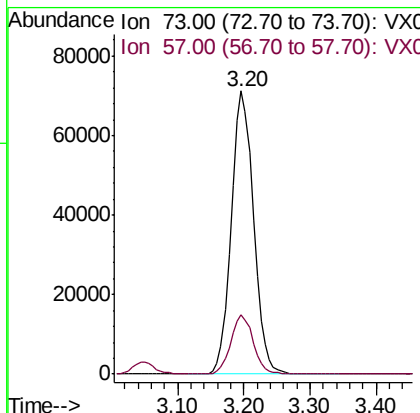
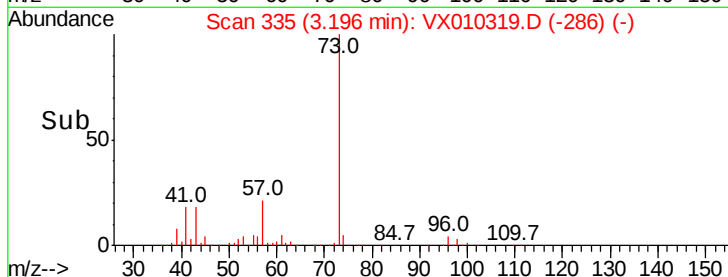
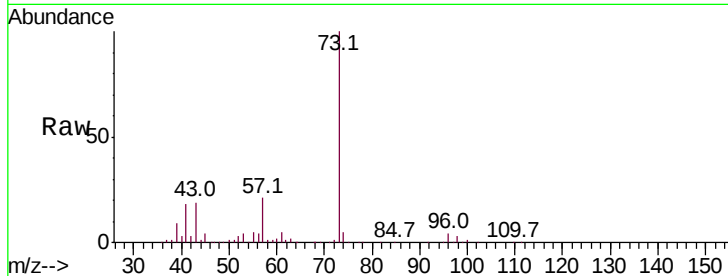
#19
Methyl tert-butyl Ether
Concen: 18.816 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0617WBSD01

Tot Ion: 73 Resp: 166238
Ion Ratio Lower Upper
73 100
57 20.9 19.4 29.2

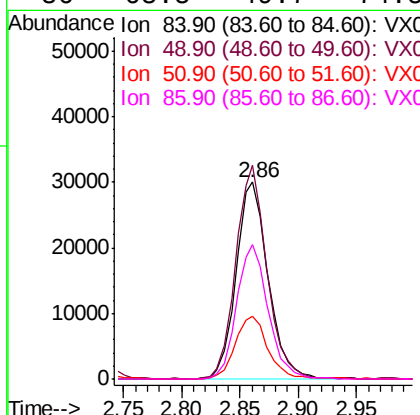
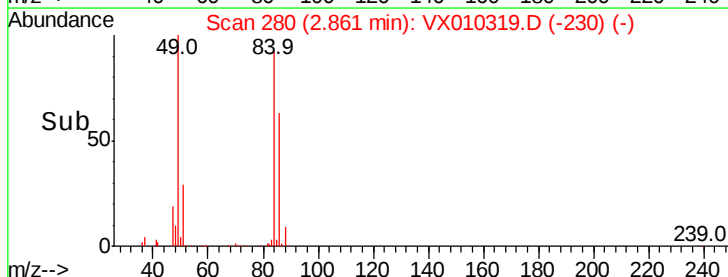
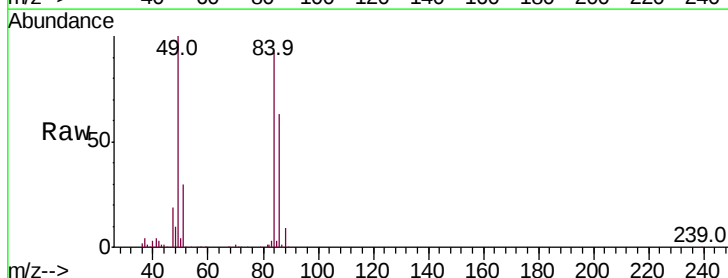
Manual Integrations
APPROVED

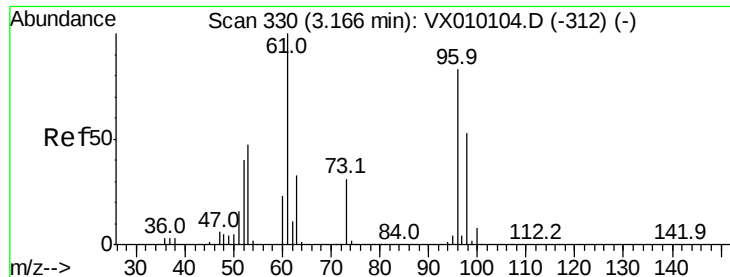
MMDadoda
6/18/2019 11:26:30 AM



#20
Methylene Chloride
Concen: 18.576 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Tgt Ion: 84 Resp: 57344
Ion Ratio Lower Upper
84 100
49 108.6 115.8 173.6#
51 32.0 34.4 51.6#
86 68.5 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 17.587 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0617WBSD01

Tot Ion: 96 Resp: 53524

Ion Ratio Lower Upper

96 100

61 119.2 125.7 188.5#

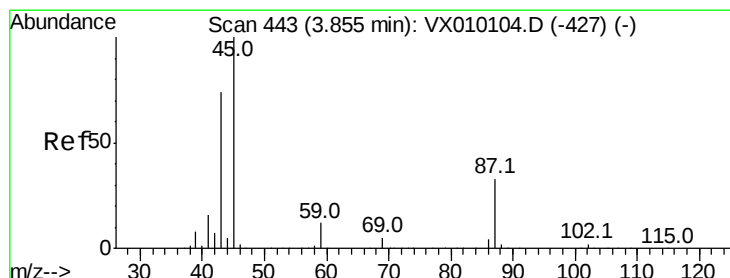
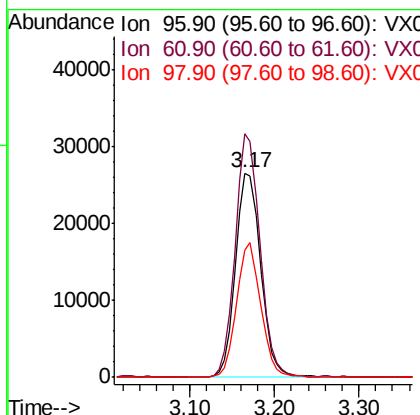
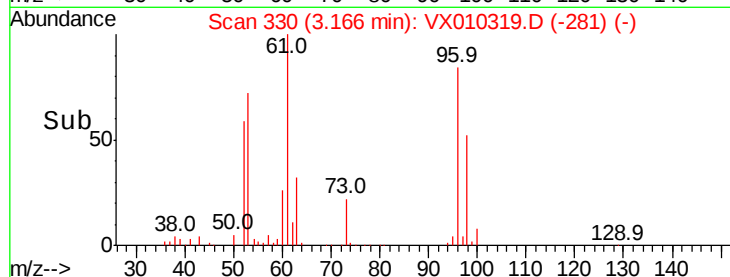
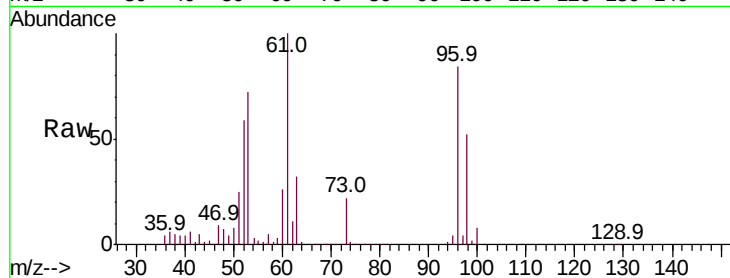
98 62.2 49.0 73.6

Manual Integrations

APPROVED

MMDadoda

6/18/2019 11:26:30 AM



#22

Diisopropyl ether

Concen: 19.573 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

Tgt Ion: 45 Resp: 155349

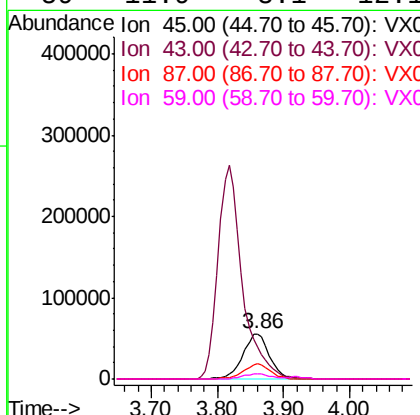
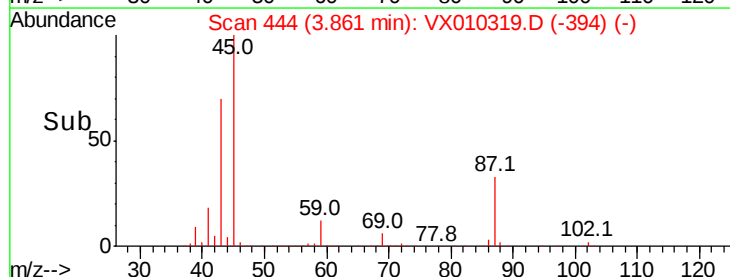
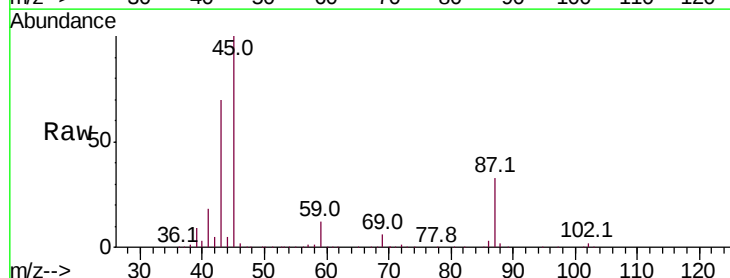
Ion Ratio Lower Upper

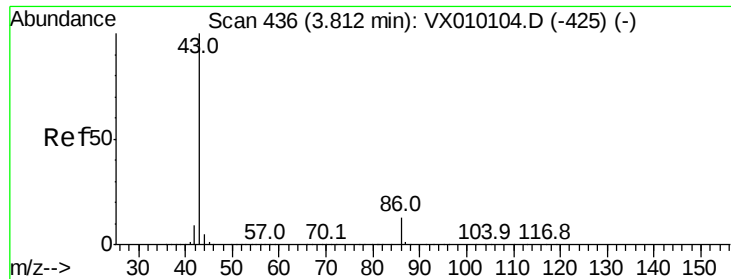
45 100

43 70.1 65.0 97.4

87 32.9 17.3 25.9#

59 11.9 8.1 12.1





#23

Vinyl Acetate

Concen: 95.319 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0617WBSD01

Tot Ion: 43 Resp: 674900

Ion Ratio Lower Upper

43 100

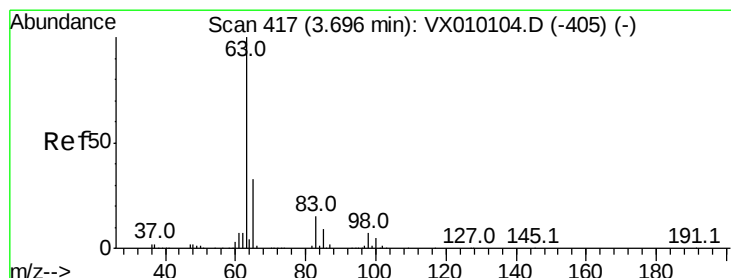
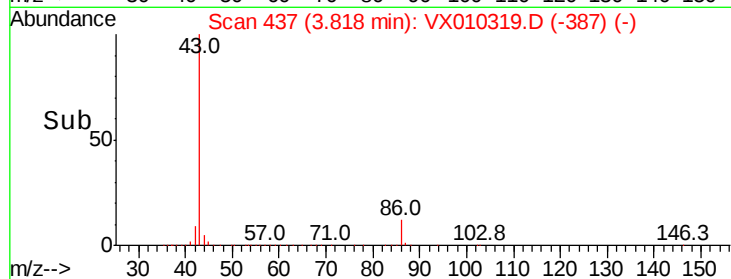
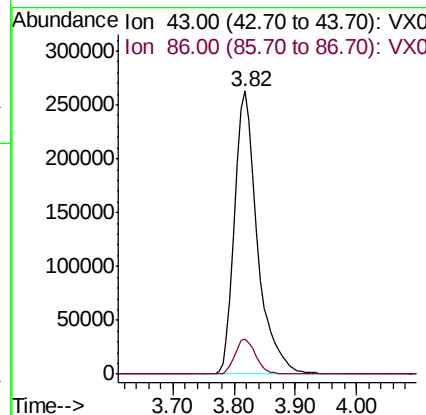
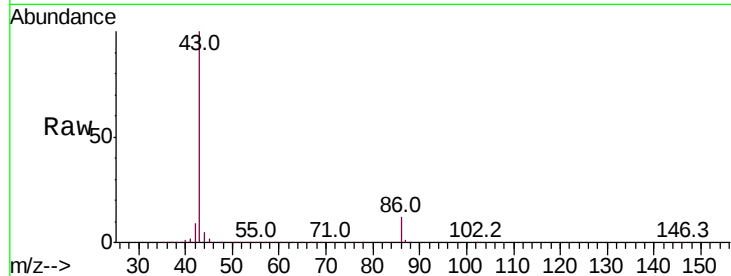
86 12.3 6.5 9.7#

Manual Integrations

APPROVED

MMDadoda

6/18/2019 11:26:30 AM



#24

1,1-Dichloroethane

Concen: 18.499 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

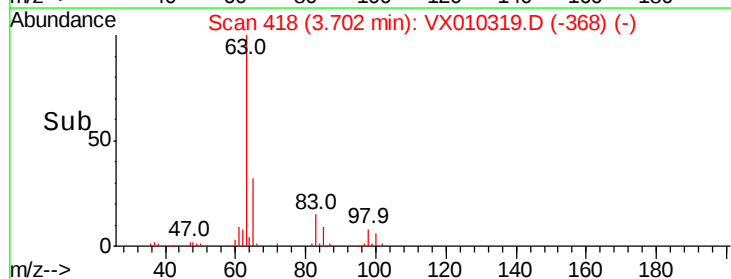
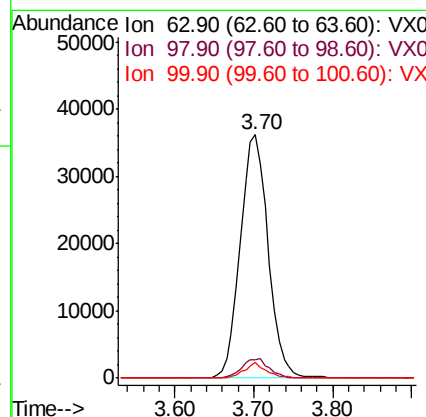
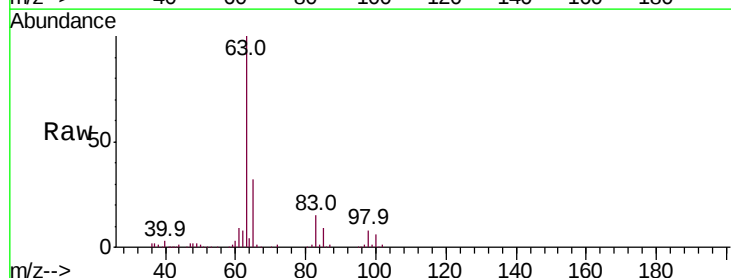
Tgt Ion: 63 Resp: 89146

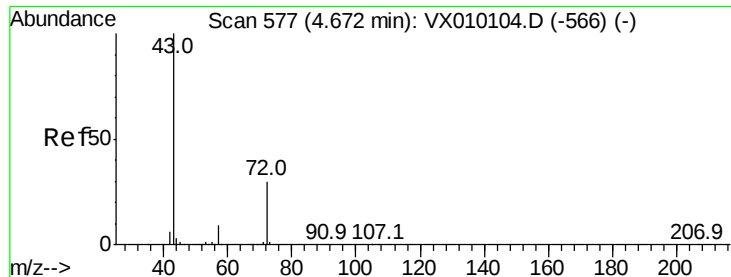
Ion Ratio Lower Upper

63 100

98 7.8 2.9 8.8

100 6.3 1.8 5.4#





#25

2-Butanone

Concen: 100.301 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0617WBSD01

Tot Ion: 43 Resp: 209943

Ion Ratio Lower Upper

43 100

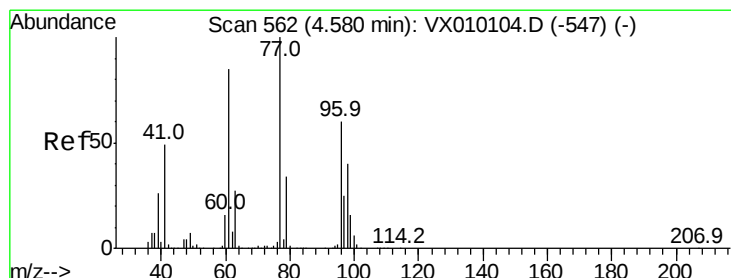
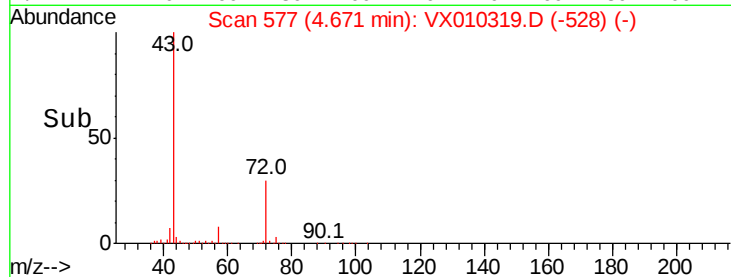
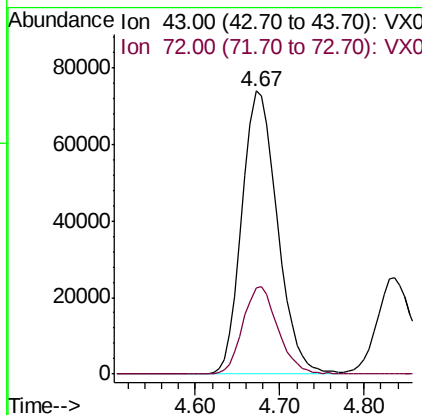
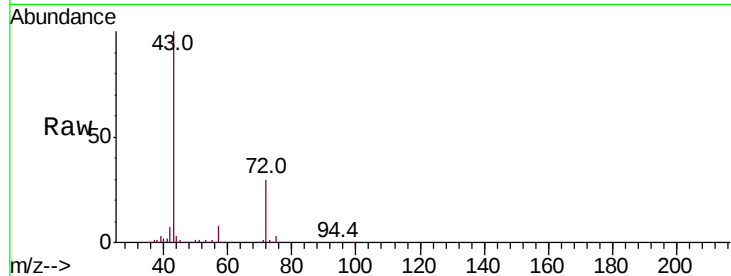
72 30.2 17.5 26.3#

Manual Integrations

APPROVED

MMDadoda

6/18/2019 11:26:30 AM



#26

2,2-Dichloropropane

Concen: 18.151 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010319.D

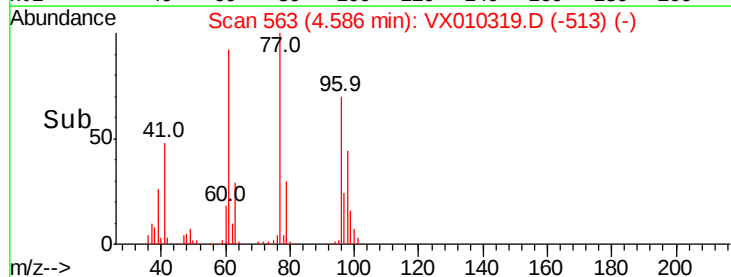
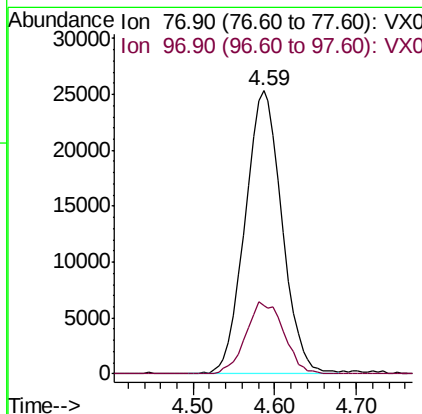
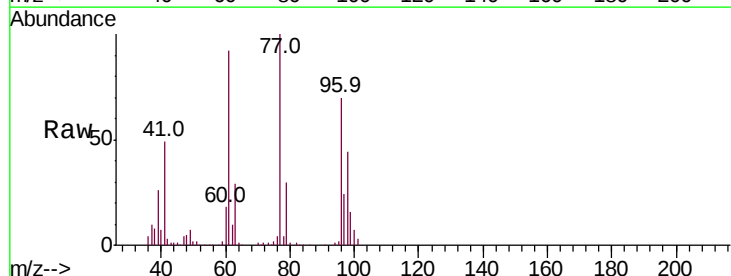
Acq: 17 Jun 2019 13:12

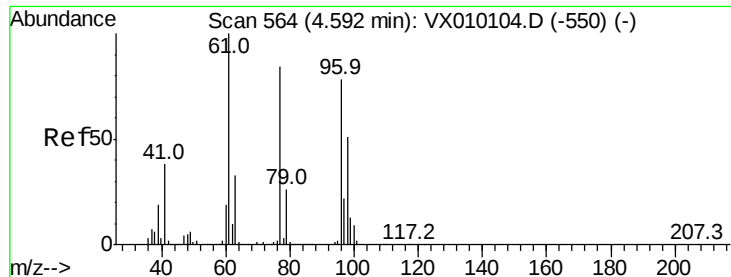
Tgt Ion: 77 Resp: 79795

Ion Ratio Lower Upper

77 100

97 26.3 11.4 34.2





#27

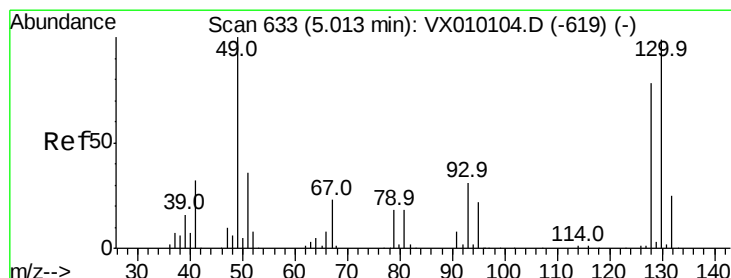
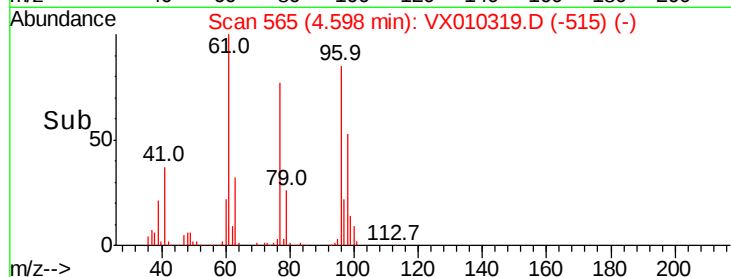
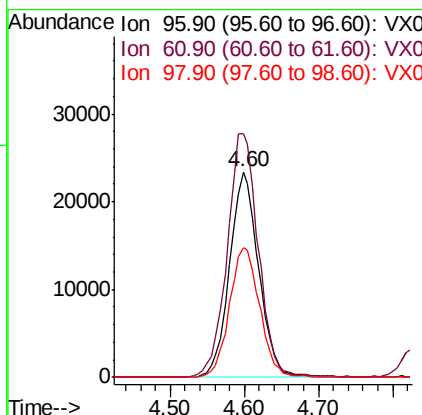
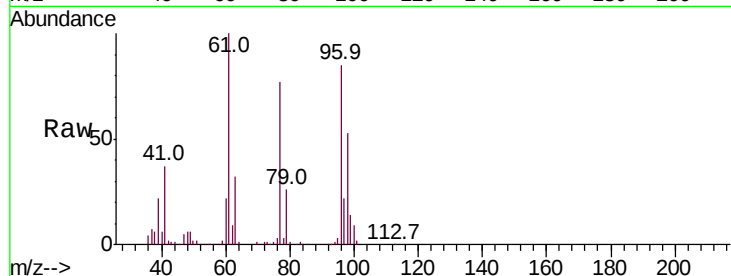
cis-1,2-Dichloroethene
Concen: 18.923 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0617WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.1	0.0	334.0
98	65.6	0.0	131.6

Manual Integrations
APPROVED

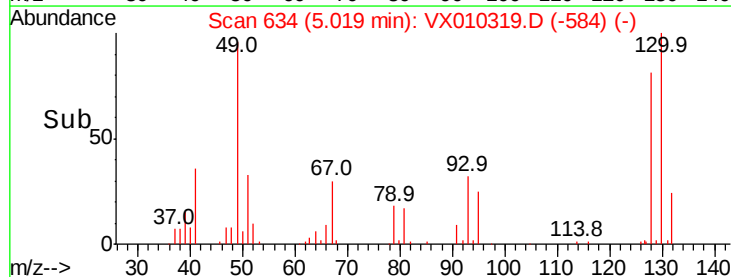
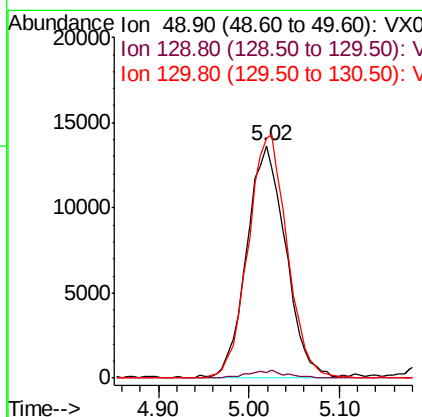
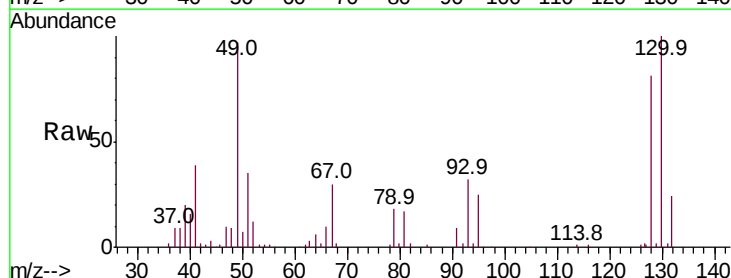
MMDadoda
6/18/2019 11:26:30 AM

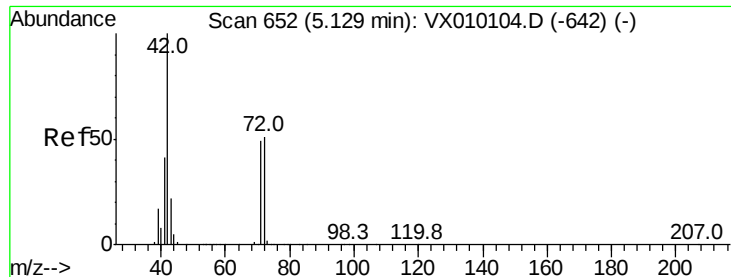


#28

Bromochloromethane
Concen: 18.904 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	3.4
130	104.2	49.4	74.2#





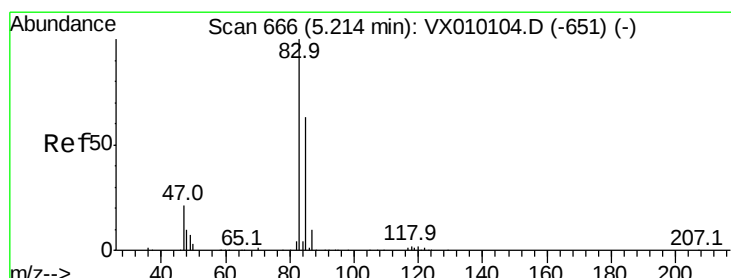
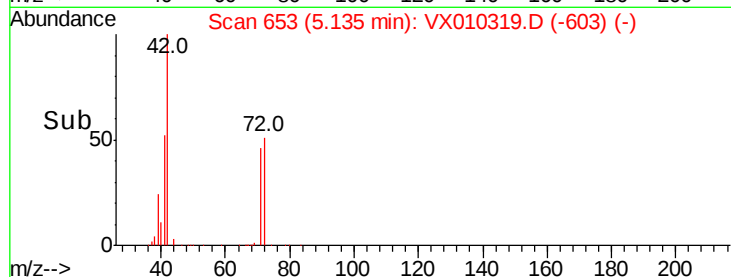
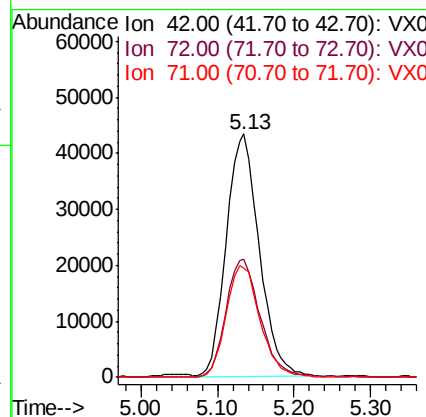
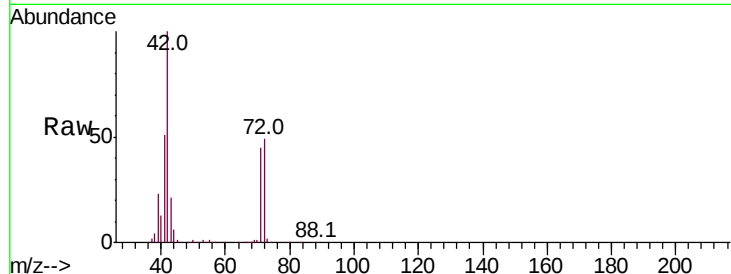
#29
Tetrahydrofuran
Concen: 98.483 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0617WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.1	29.2	43.8#
71	47.4	27.6	41.4#

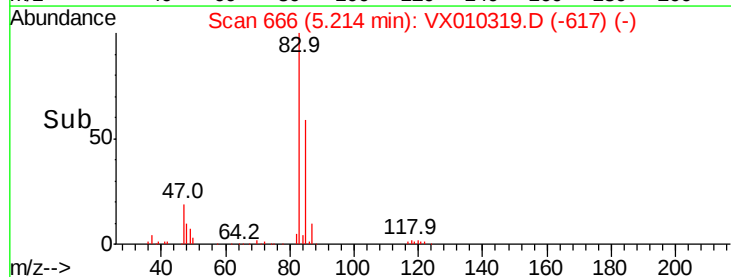
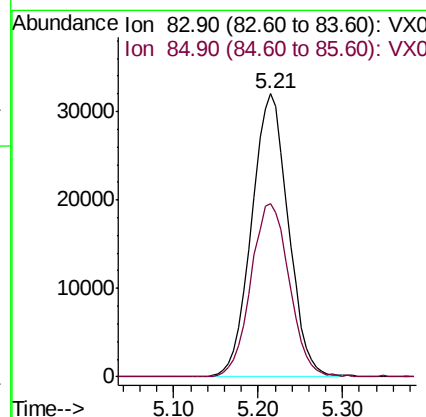
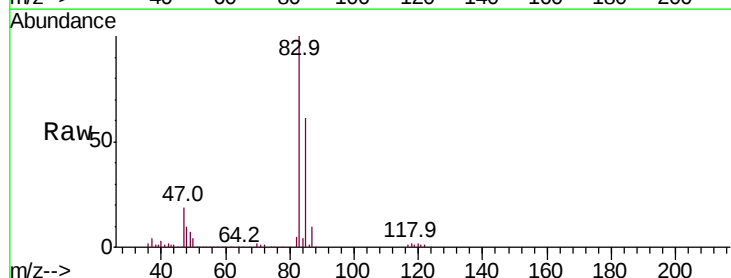
Manual Integrations
APPROVED

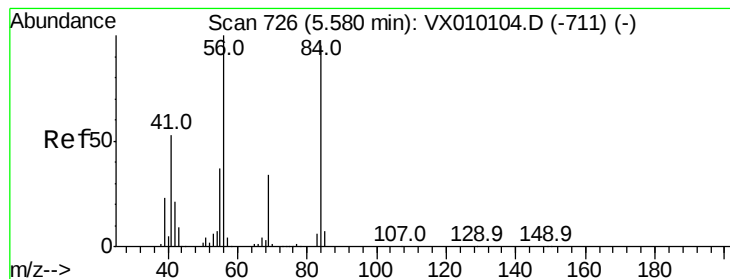
MMDadoda
6/18/2019 11:26:30 AM



#30
Chloroform
Concen: 19.005 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.1	52.6	78.8





#31

Cyclohexane

Concen: 18.067 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0617WBSD01

Tot Ion: 56 Resp: 78575

Ion Ratio Lower Upper

56 100

69 32.5 21.6 32.4#

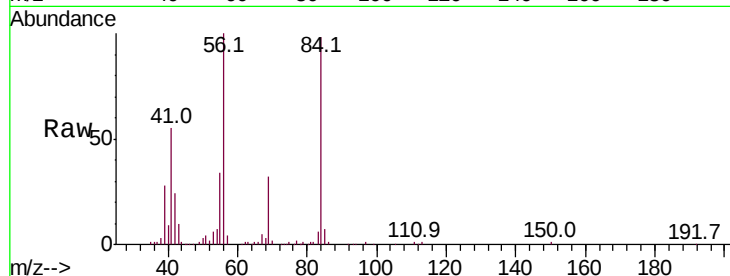
84 95.7 56.8 85.2#

Manual Integrations

APPROVED

MMDadoda

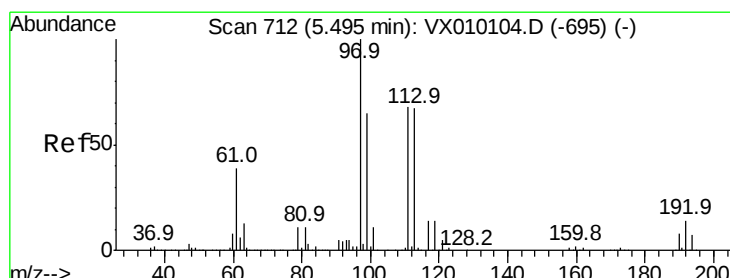
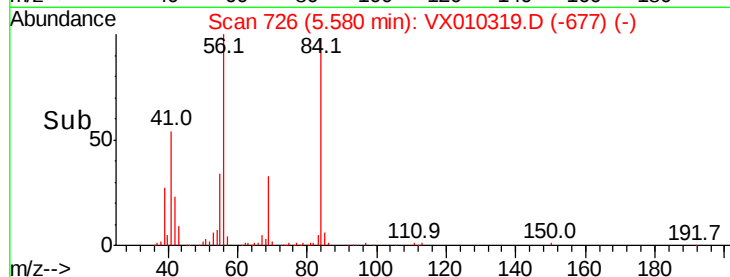
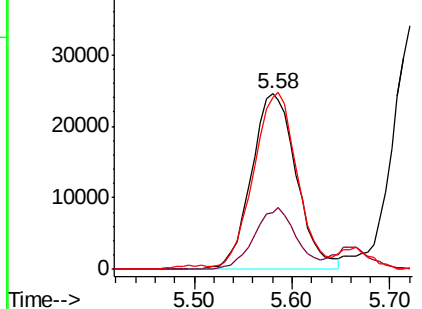
6/18/2019 11:26:30 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 18.180 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

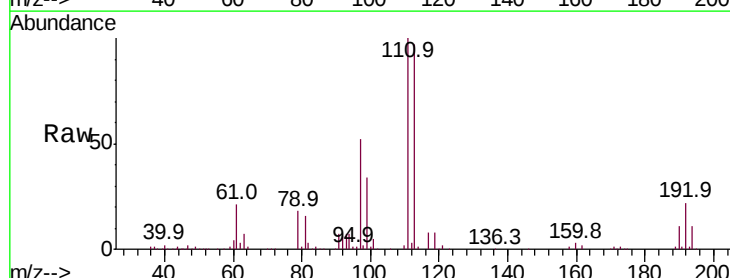
Tgt Ion: 97 Resp: 85535

Ion Ratio Lower Upper

97 100

99 64.2 51.0 76.4

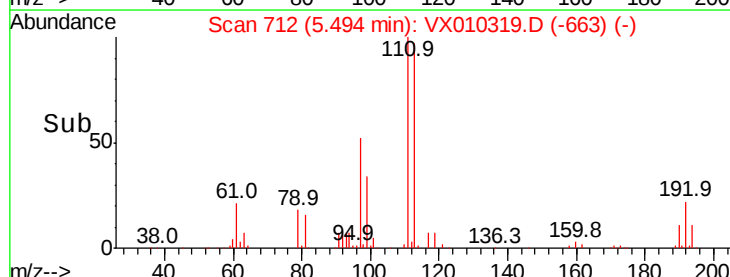
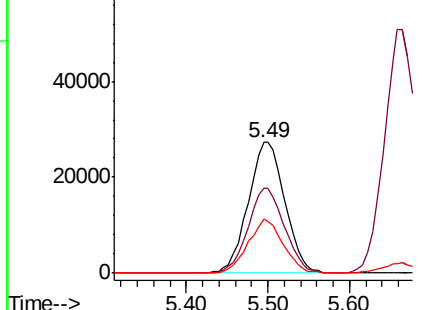
61 39.5 38.7 58.1

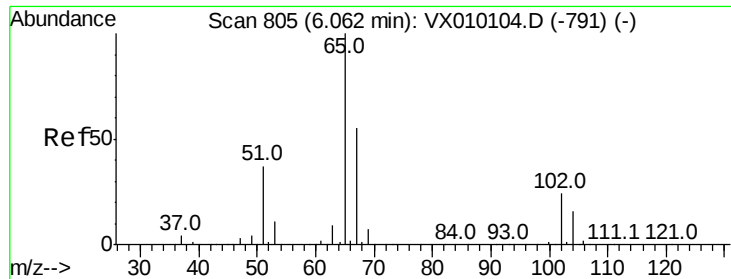


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





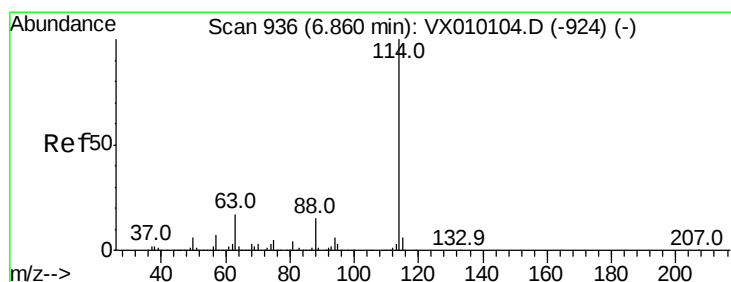
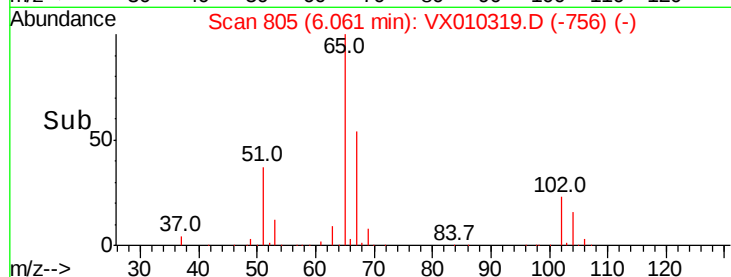
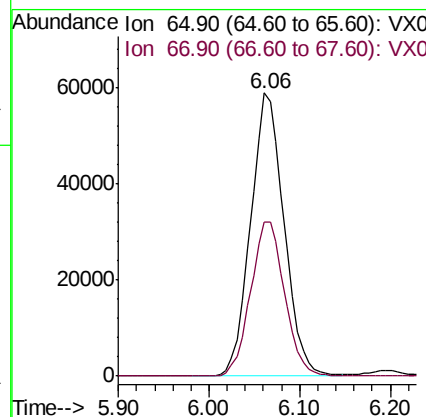
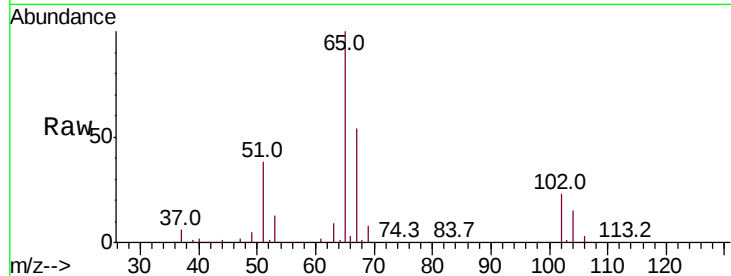
#33
 1,2-Dichloroethane-d4
 Concen: 50.218 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010319.D
 Acq: 17 Jun 2019 13:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0617WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.4	0.0	108.4

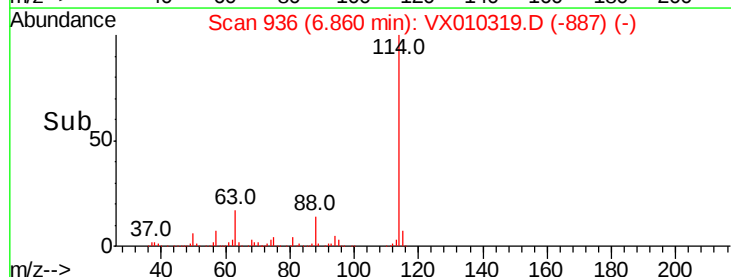
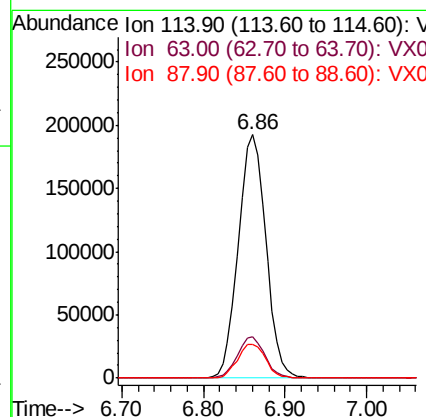
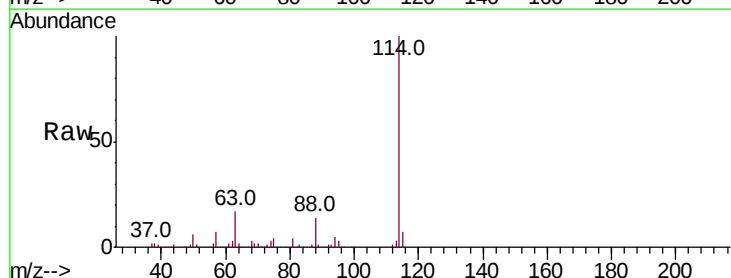
Manual Integrations
 APPROVED

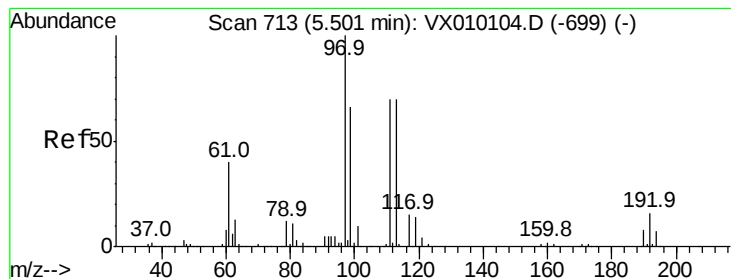
MMDadoda
 6/18/2019 11:26:30 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010319.D
 Acq: 17 Jun 2019 13:12

Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.8	0.0	47.4
88	13.8	0.0	33.0





#35

Dibromofluoromethane

Concen: 54.361 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

Instrument :

MSVOA_X

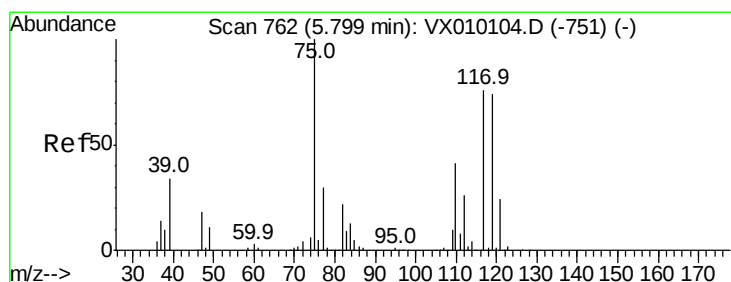
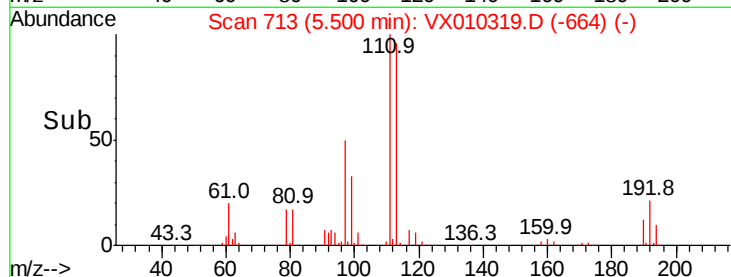
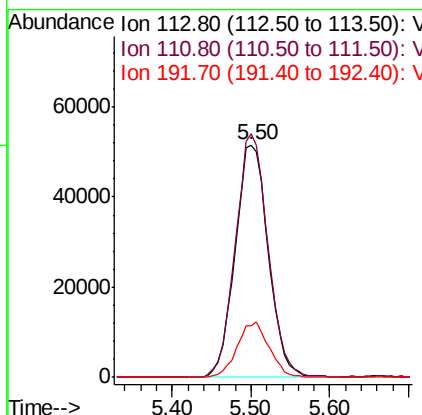
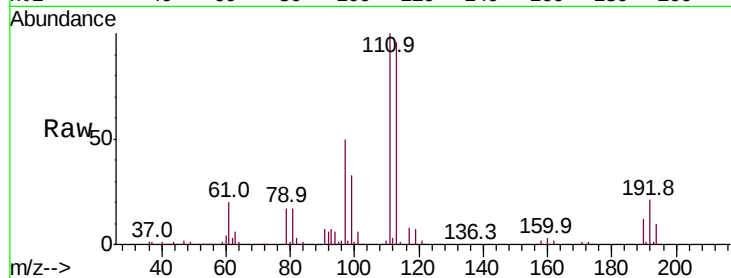
ClientSampleId :

VX0617WBSD01

Tot Ion:	113	Resp:	151013
Ion Ratio	Lower	Upper	
113	100		
111	102.9	82.2	123.2
192	23.0	17.1	25.7

Manual Integrations
APPROVED

MMDadoda
6/18/2019 11:26:30 AM



#36

1,1-Dichloropropene

Concen: 18.507 ug/l

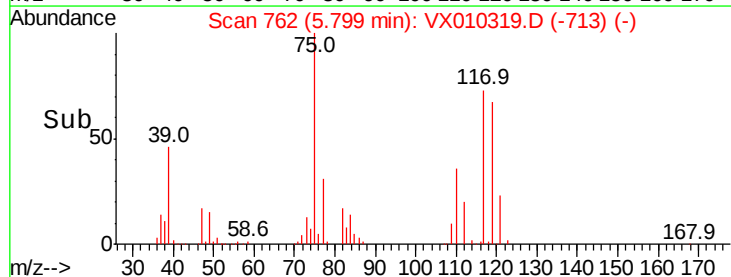
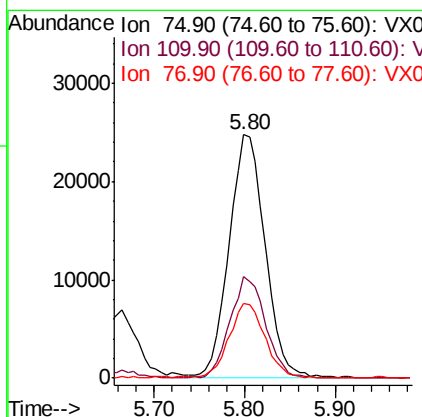
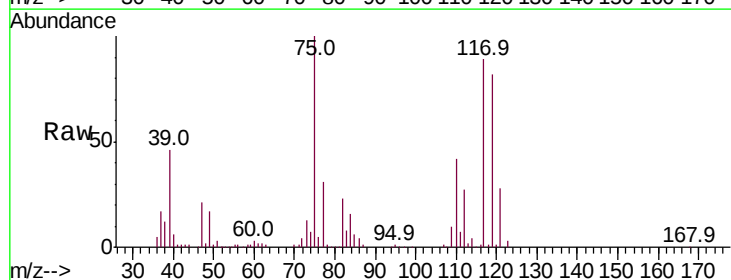
RT: 5.80 min Scan# 762

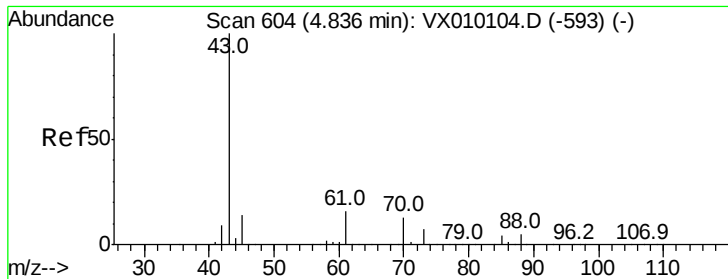
Delta R.T. -0.00 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

Tgt Ion:	75	Resp:	68000
Ion Ratio	Lower	Upper	
75	100		
110	41.2	16.7	50.1
77	30.9	25.0	37.4





#37

Ethyl Acetate

Concen: 19.662 ug/l

RT: 4.84 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

Instrument :

MSVOA_X

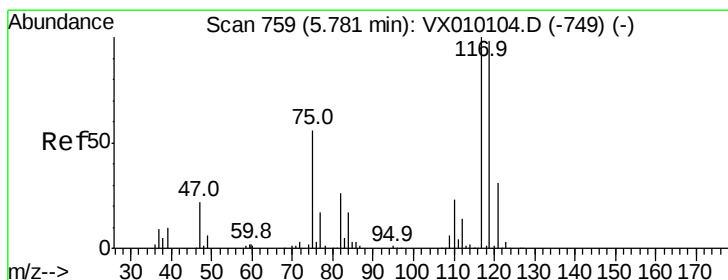
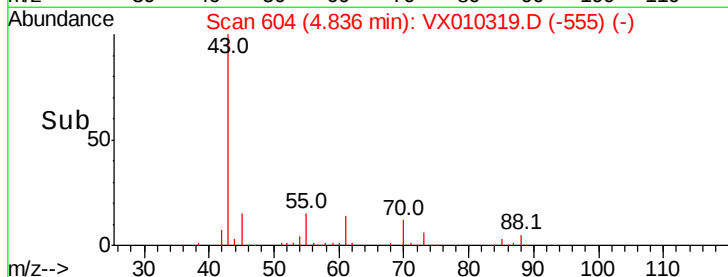
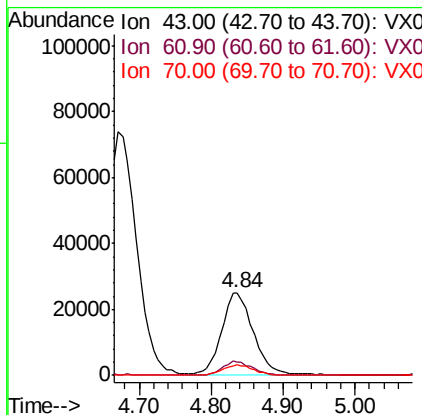
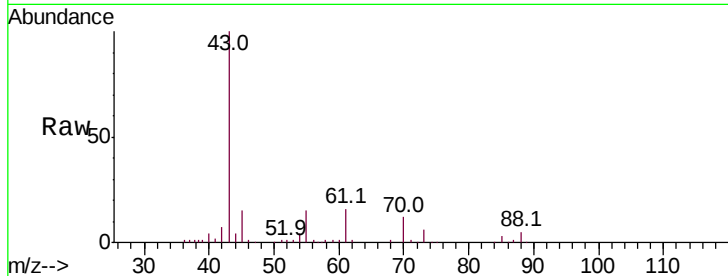
ClientSampleID :

VX0617WBSD01

Tot Ion:	43	Resp:	75167
Ion	Ratio	Lower	Upper
43	100		
61	16.8	10.2	15.2#
70	12.7	7.4	11.2#

Manual Integrations
APPROVED

MMDadoda
6/18/2019 11:26:30 AM



#38

Carbon Tetrachloride

Concen: 18.436 ug/l

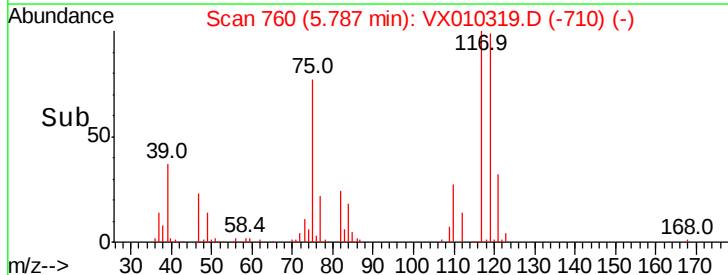
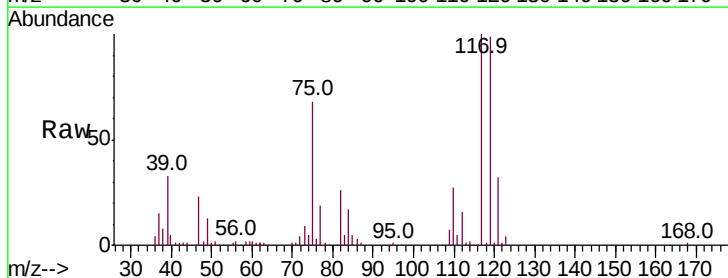
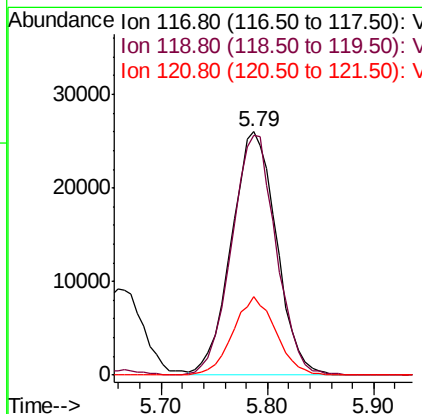
RT: 5.79 min Scan# 760

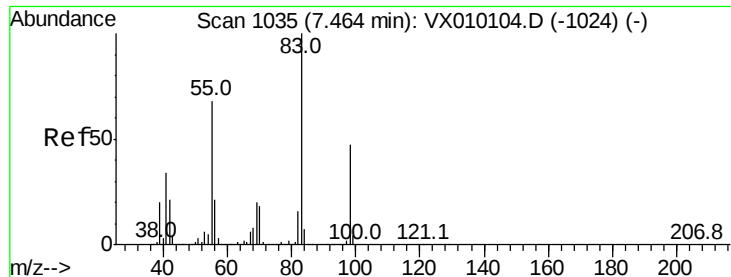
Delta R.T. 0.01 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

Tgt Ion:	117	Resp:	76671
Ion	Ratio	Lower	Upper
117	100		
119	98.5	77.3	115.9
121	32.1	25.4	38.0





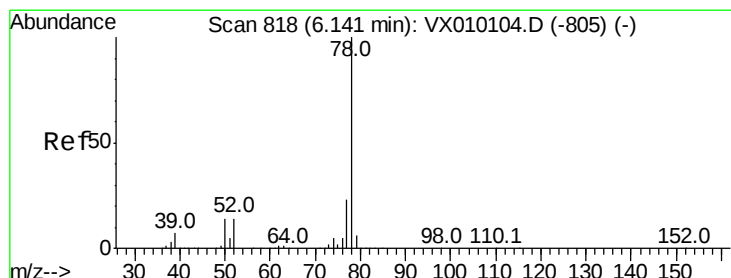
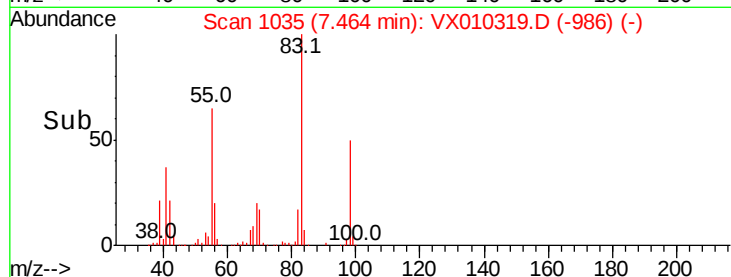
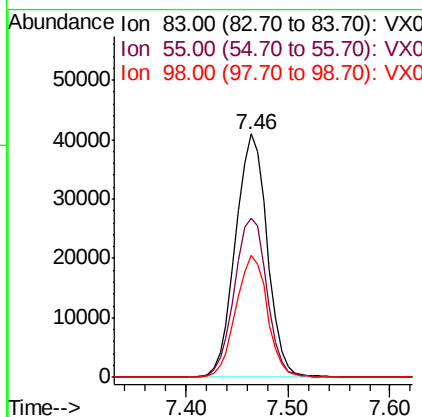
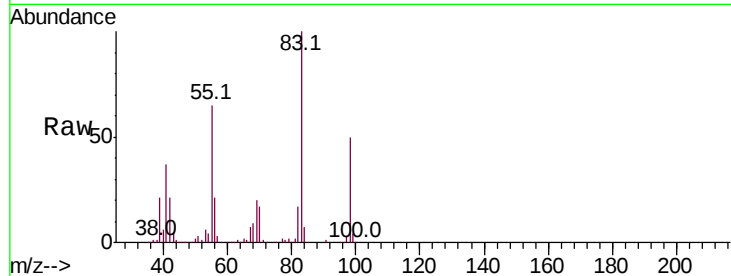
#39
Methylvlcvclohexane
Concen: 17.708 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0617WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	65.4	69.9	104.9#
98	49.9	35.1	52.7

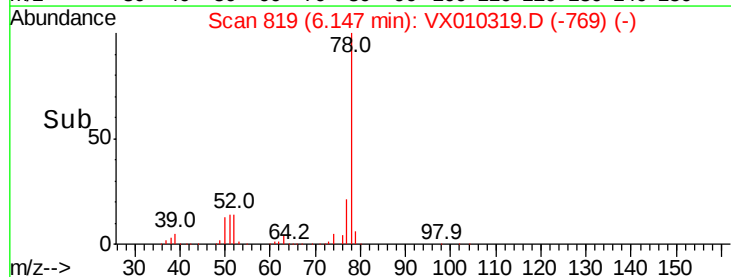
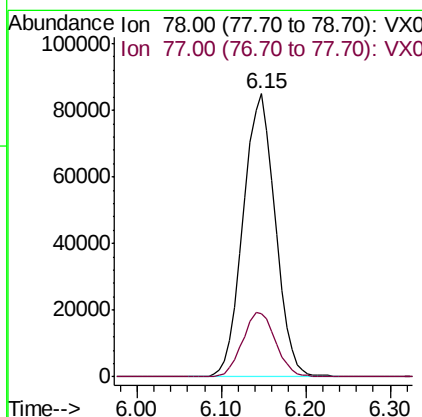
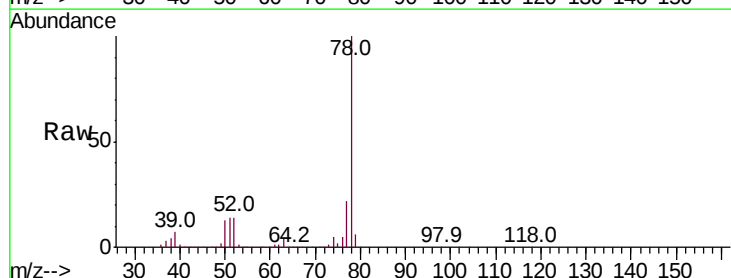
Manual Integrations
APPROVED

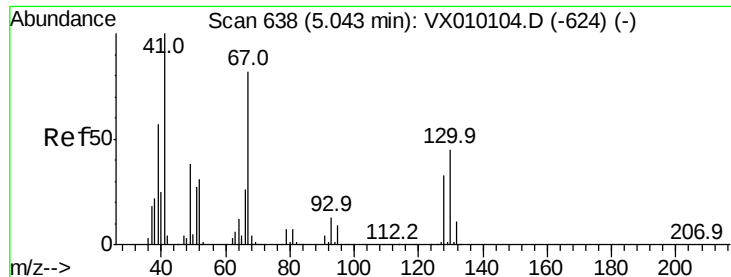
MMDadoda
6/18/2019 11:26:30 AM



#40
Benzene
Concen: 19.326 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	19.2	28.8





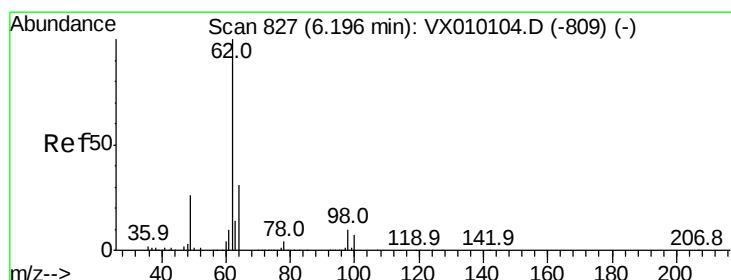
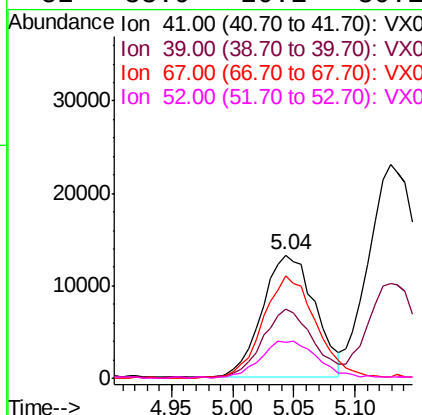
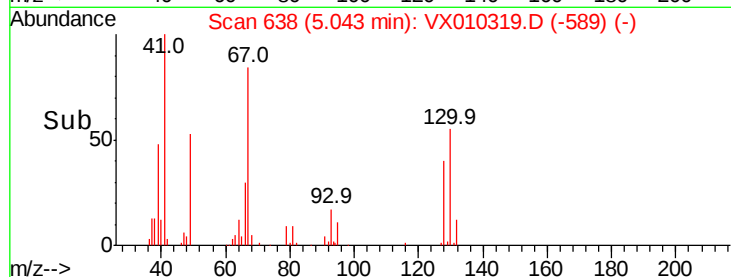
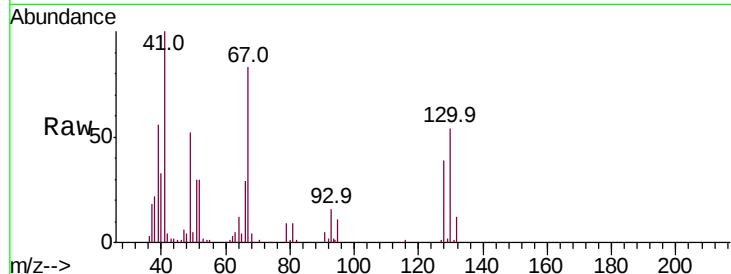
#41
Methacrylonitrile
Concen: 19.318 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0617WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.6	42.2	63.4
67	83.9	48.9	73.3#
52	33.9	20.1	30.1#

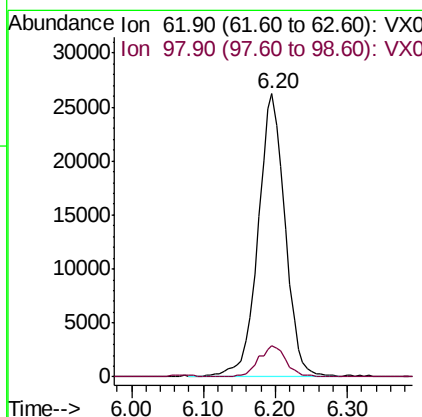
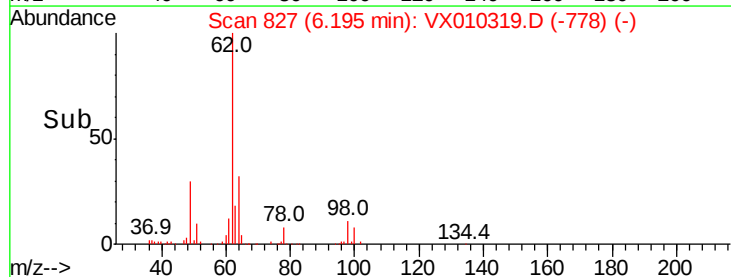
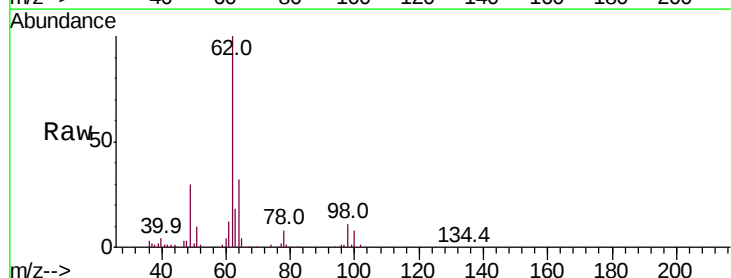
Manual Integrations
APPROVED

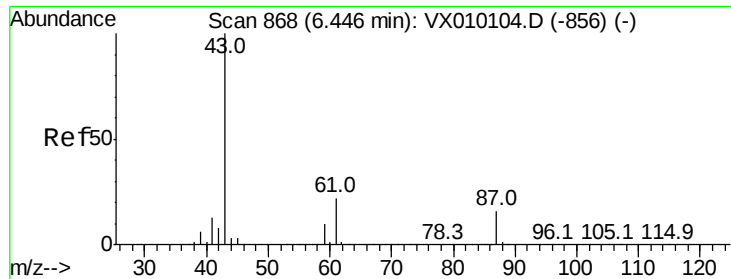
MMDadoda
6/18/2019 11:26:30 AM



#42
1,2-Dichloroethane
Concen: 18.869 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	17.2





#43

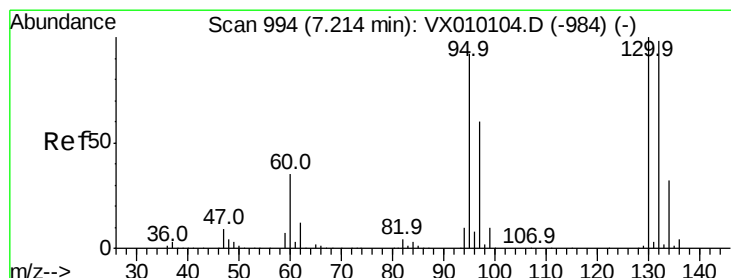
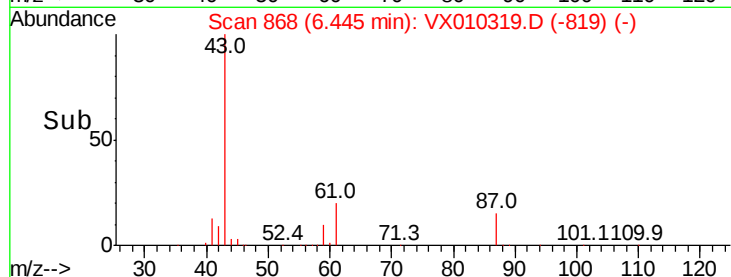
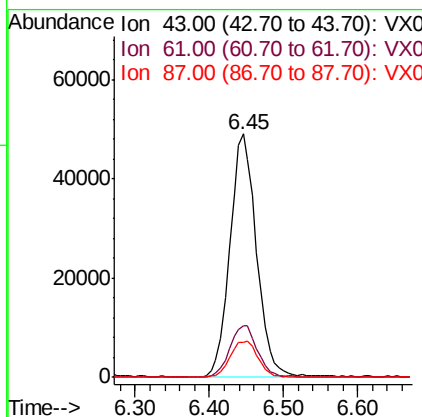
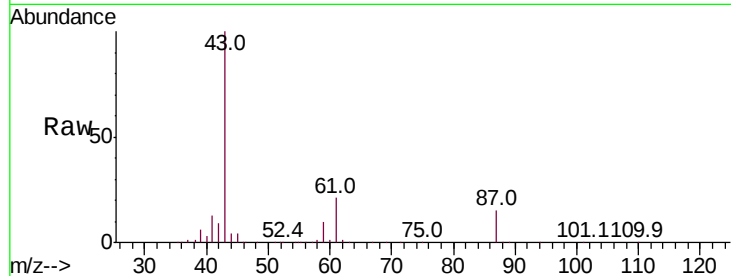
Isopropyl Acetate
 Concen: 19.261 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX010319.D
 Acq: 17 Jun 2019 13:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0617WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.2	14.6	21.8#
87	15.8	8.7	13.1#

Manual Integrations
 APPROVED

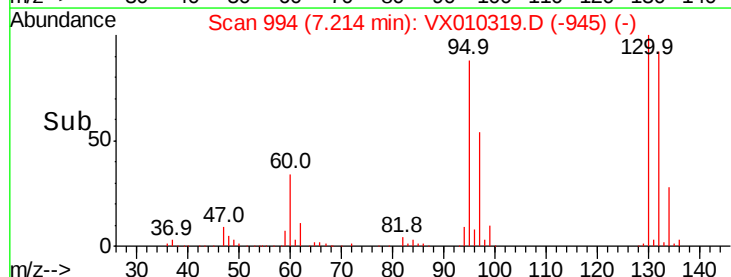
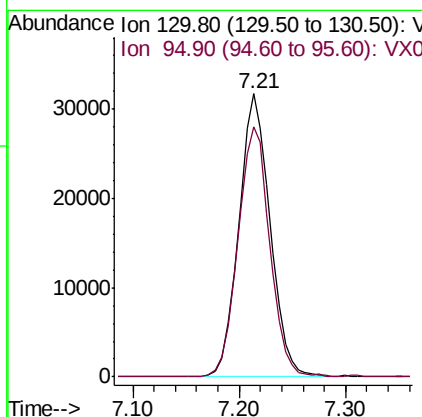
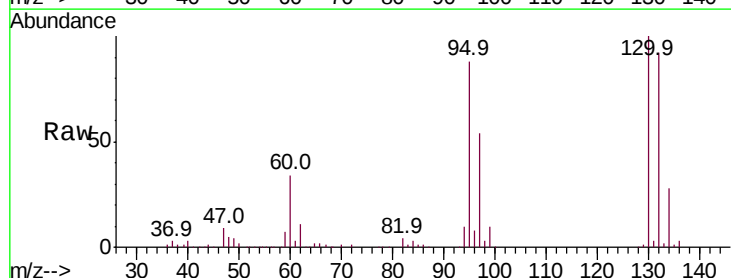
MMDadoda
 6/18/2019 11:26:30 AM

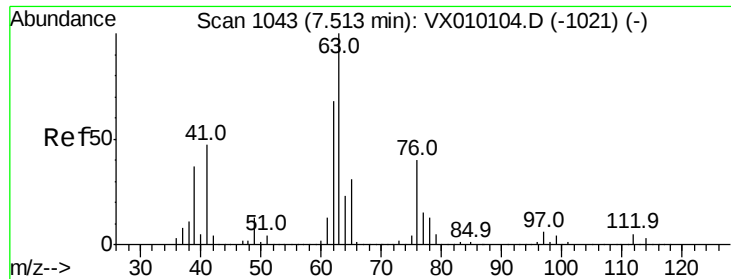


#44

Trichloroethene
 Concen: 19.089 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX010319.D
 Acq: 17 Jun 2019 13:12

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.2	0.0	207.4





#45

1,2-Dichloropropane

Concen: 19.994 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0617WBSD01

Tot Ion: 63 Resp: 56858

Ion Ratio Lower Upper

63 100

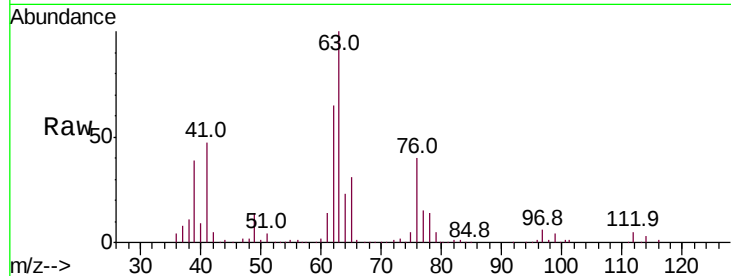
65 30.7 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

6/18/2019 11:26:30 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

30000

25000

20000

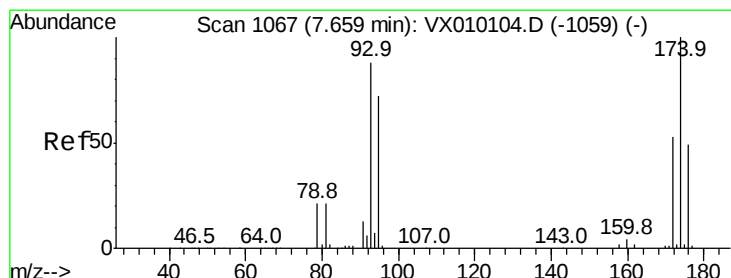
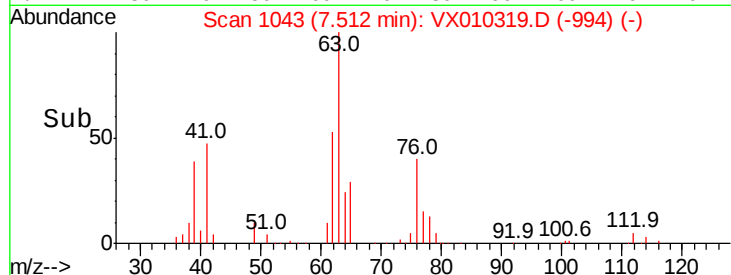
15000

10000

5000

0

Time-->



#46

Dibromomethane

Concen: 18.781 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

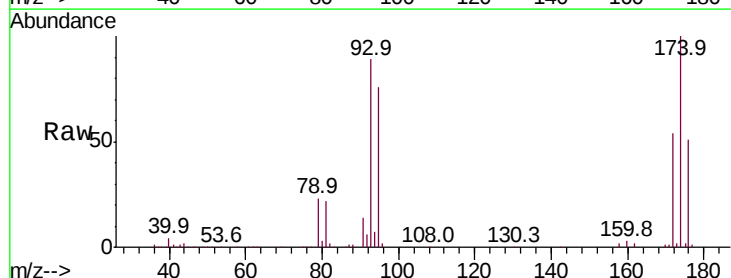
Tgt Ion: 93 Resp: 40013

Ion Ratio Lower Upper

93 100

95 83.7 66.8 100.2

174 119.5 81.9 122.9



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

30000

25000

20000

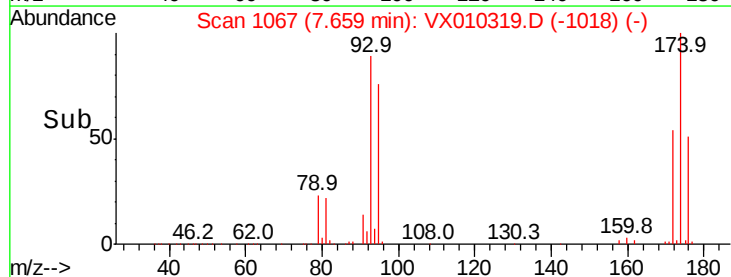
15000

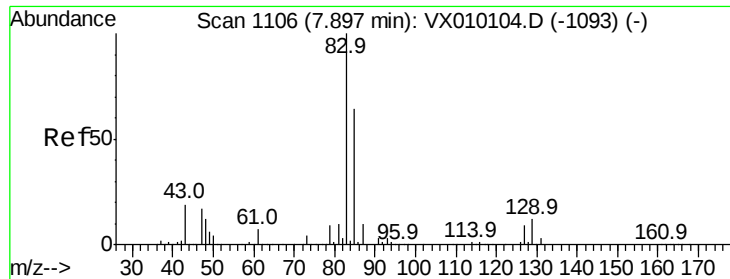
10000

5000

0

Time-->





#47

Bromodichloromethane

Concen: 18.804 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0617WBSD01

Tot Ion: 83 Resp: 74858

Ion Ratio Lower Upper

83 100

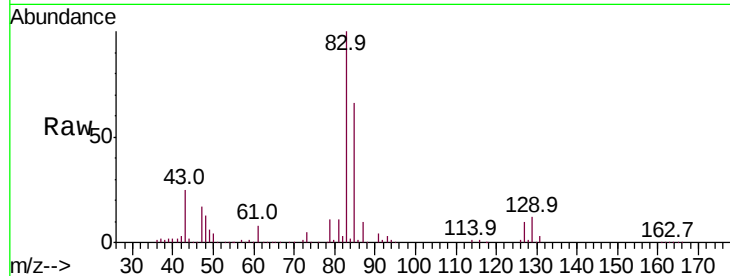
85 66.4 51.4 77.2

127 10.2 6.4 9.6#

Manual Integrations
APPROVED

MMDadoda

6/18/2019 11:26:30 AM



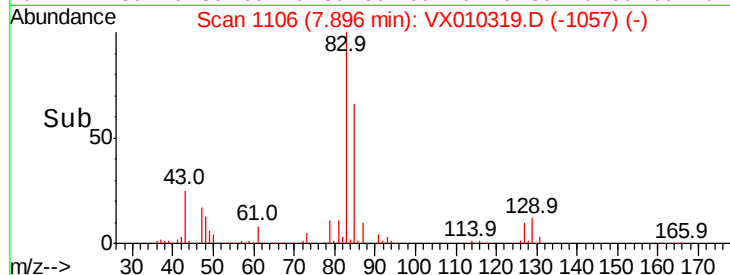
Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

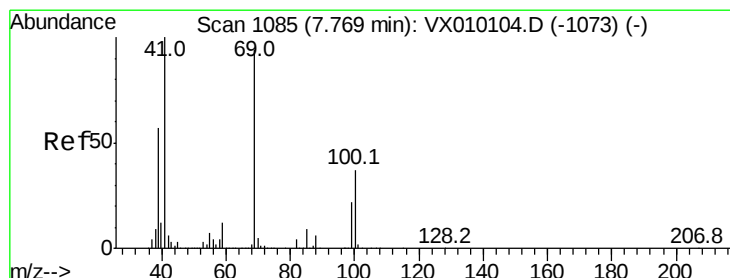
Ion 126.80 (126.50 to 127.50): V

7.90

Time-->



Time-->



#48

Methyl methacrylate

Concen: 19.162 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

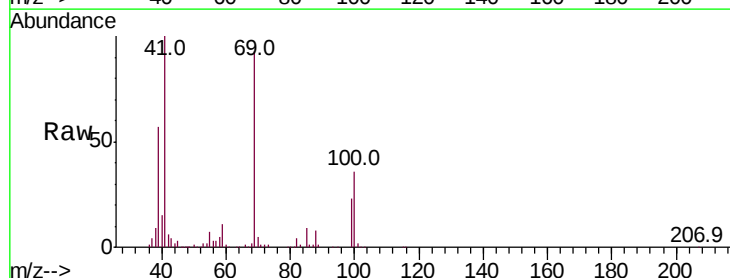
Tgt Ion: 41 Resp: 57281

Ion Ratio Lower Upper

41 100

69 96.5 56.4 84.6#

39 57.8 40.6 60.8



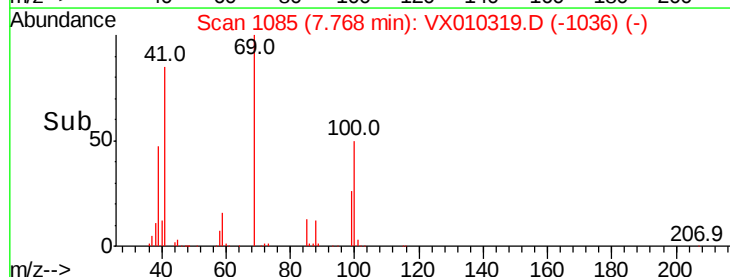
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

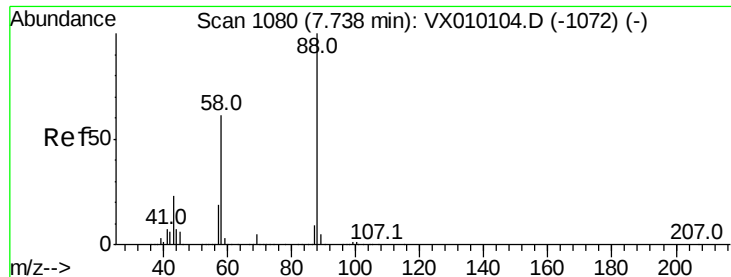
Ion 39.00 (38.70 to 39.70): VX0

7.77

Time-->



Time-->



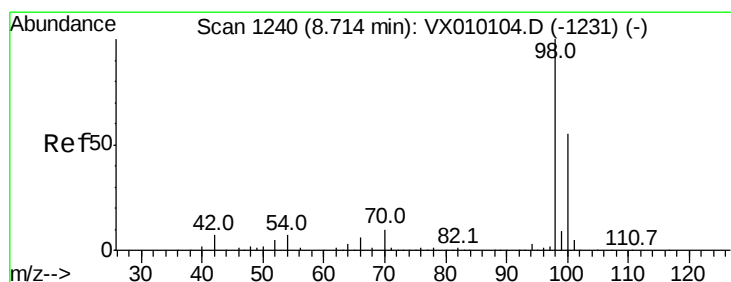
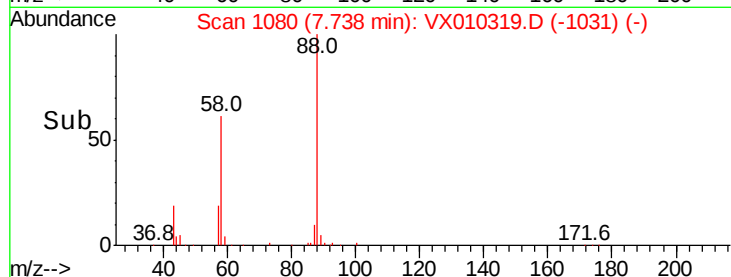
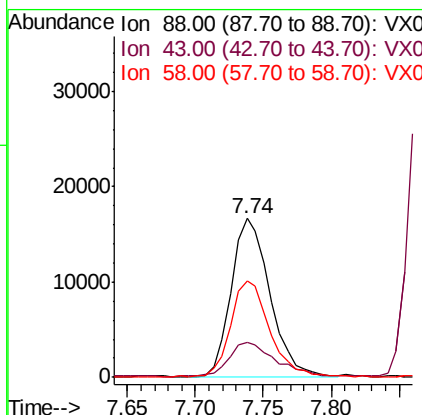
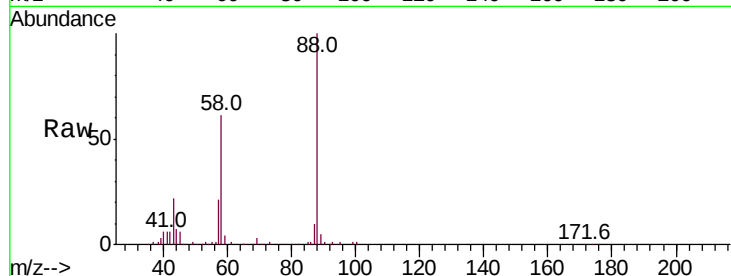
#49
1,4-Dioxane
Concen: 390.835 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0617WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.9	30.2	45.4#
58	61.8	64.0	96.0#

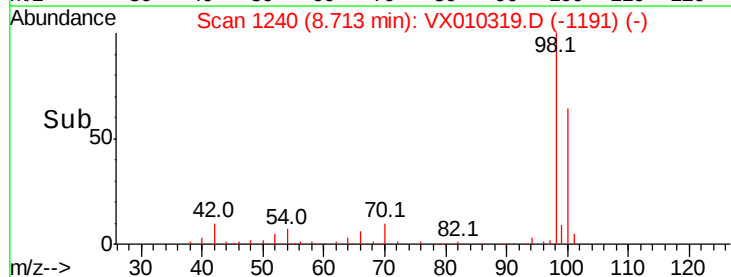
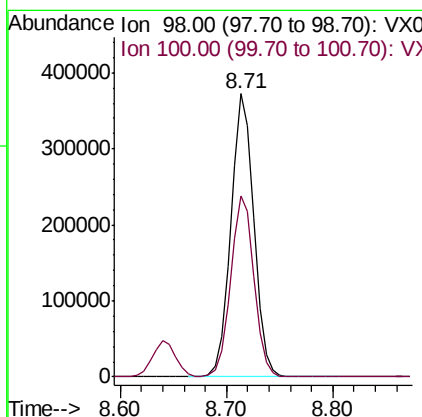
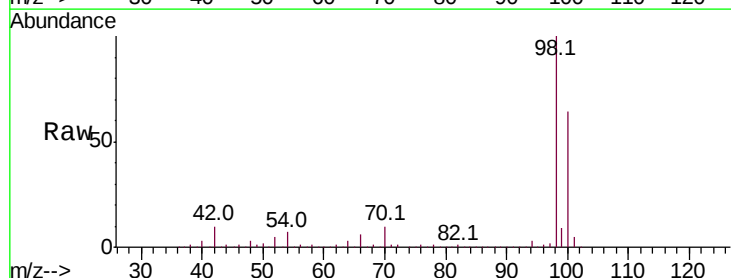
Manual Integrations
APPROVED

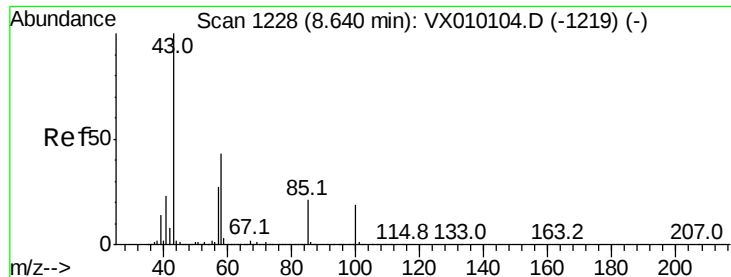
MMDadoda
6/18/2019 11:26:30 AM



#50
Toluene-d8
Concen: 54.140 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.5	77.3





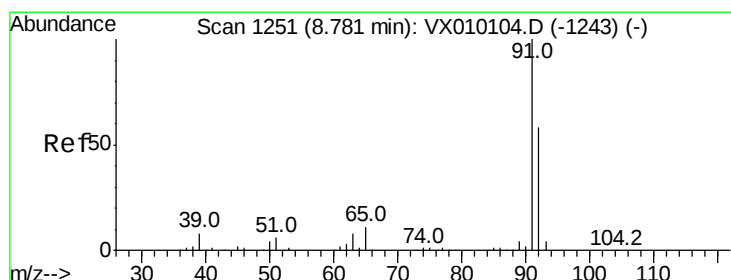
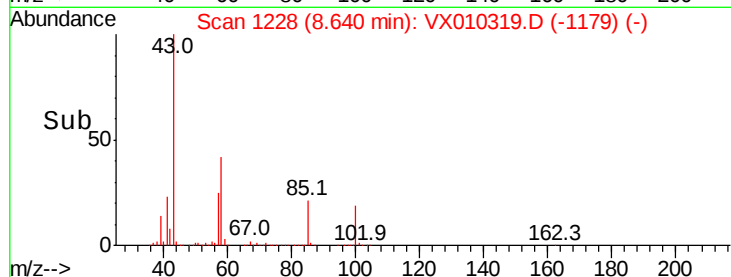
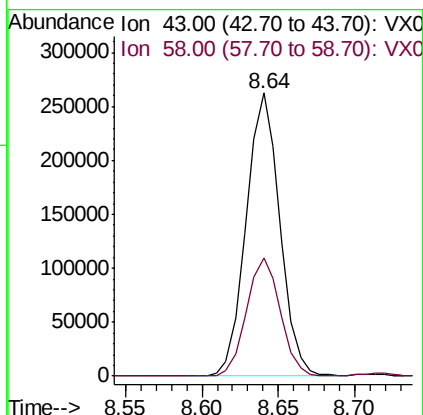
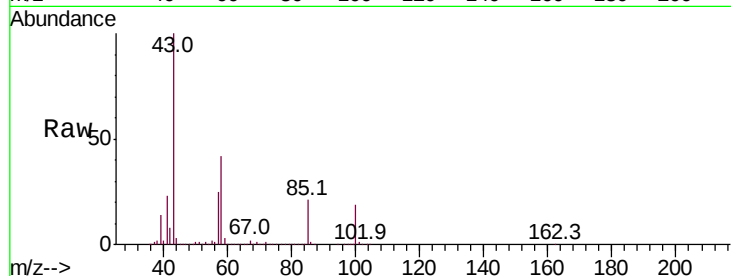
#51
4-Methyl-2-Pentanone
Concen: 104.868 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0617WBSD01

Tot Ion: 43 Resp: 400449
Ion Ratio Lower Upper
43 100
58 41.8 28.8 43.2

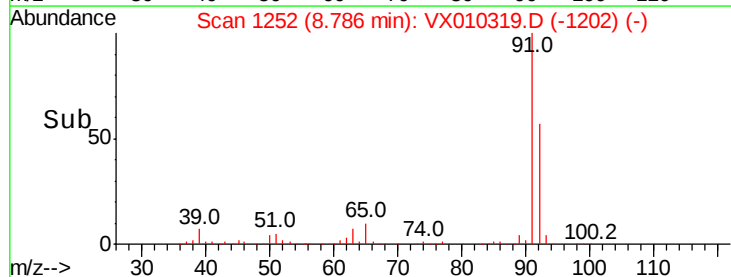
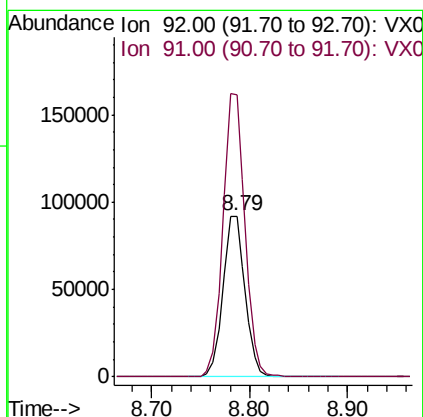
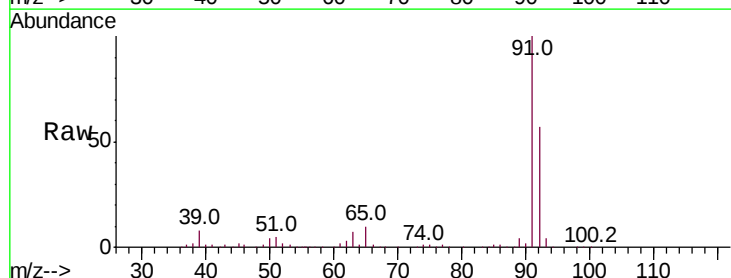
Manual Integrations
APPROVED

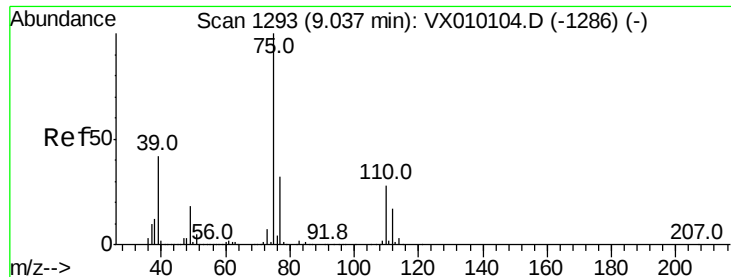
MMDadoda
6/18/2019 11:26:30 AM



#52
Toluene
Concen: 19.230 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.01 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Tgt Ion: 92 Resp: 143618
Ion Ratio Lower Upper
92 100
91 175.5 139.9 209.9





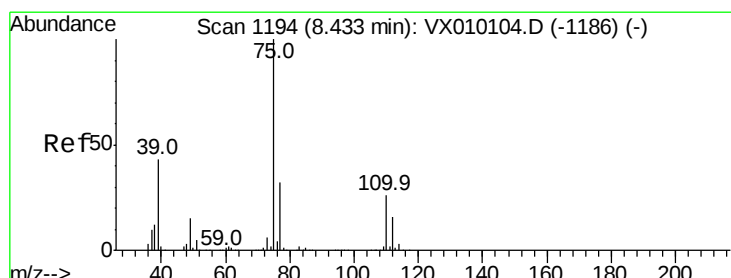
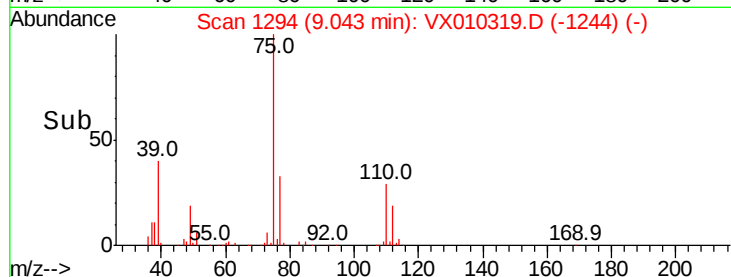
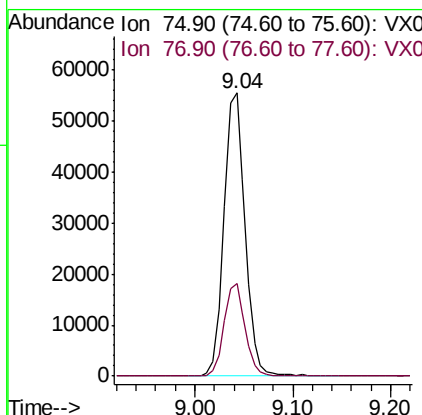
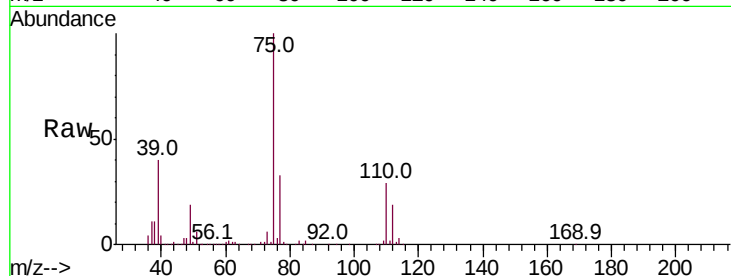
#53
t-1,3-Dichloropropene
Concen: 18.079 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0617WBSD01

Tot Ion: 75 Resp: 83248
Ion Ratio Lower Upper
75 100
77 32.7 24.6 36.8

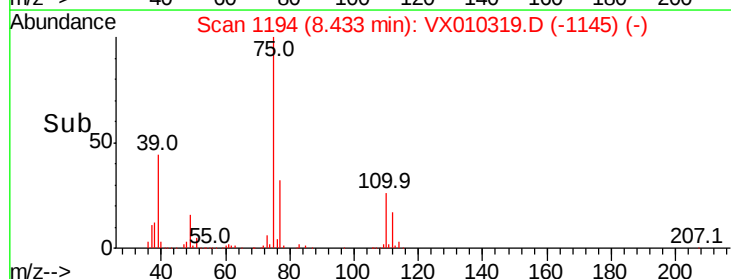
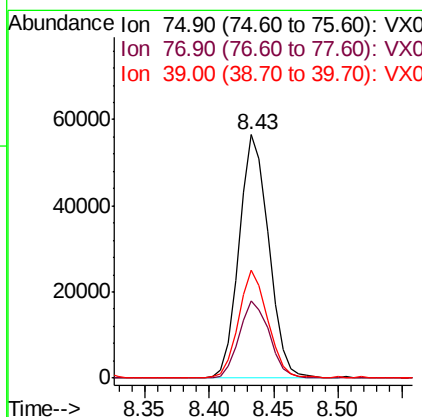
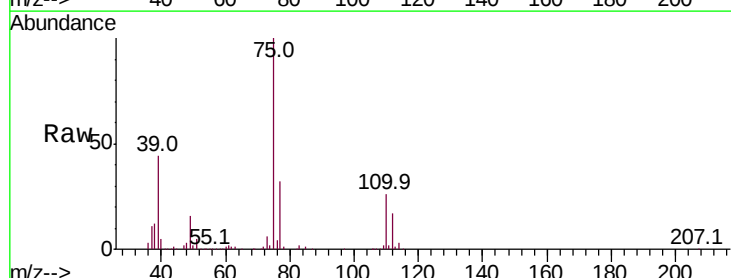
Manual Integrations
APPROVED

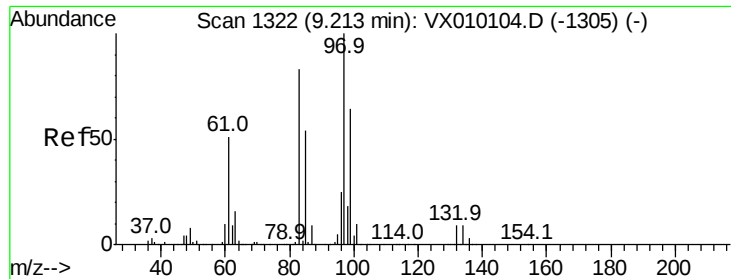
MMDadoda
6/18/2019 11:26:30 AM



#54
cis-1,3-Dichloropropene
Concen: 18.243 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Tgt Ion: 75 Resp: 90054
Ion Ratio Lower Upper
75 100
77 31.5 24.8 37.2
39 43.9 43.4 65.0





#55

1,1,2-Trichloroethane

Concen: 20.248 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

Instrument :

MSVOA_X

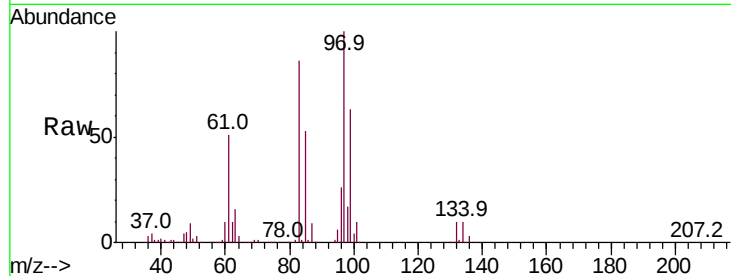
ClientSampleId :

VX0617WBSD01

Tot Ion:	97	Resp:	61933
Ion	Ratio	Lower	Upper
97	100		
83	86.4	69.8	104.8
85	52.7	45.3	67.9
99	62.9	49.0	73.4

Manual Integrations
APPROVED

MMDadoda
6/18/2019 11:26:30 AM

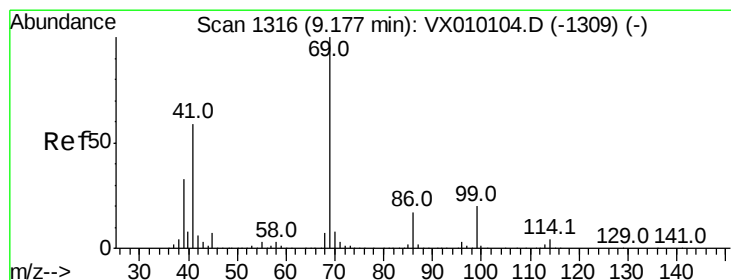
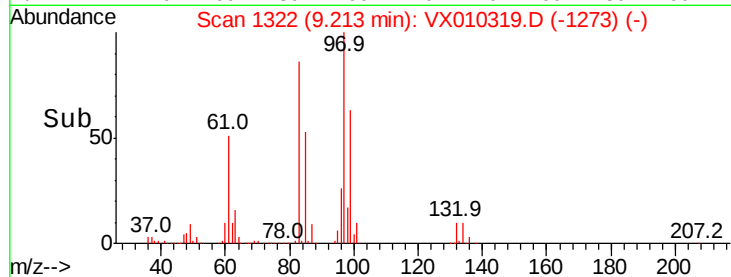
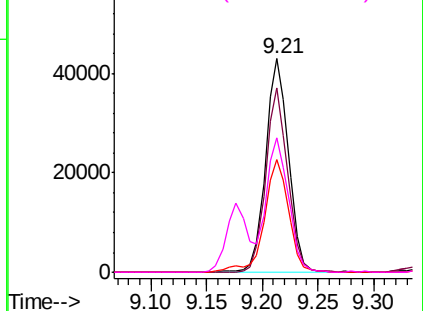


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 18.895 ug/l

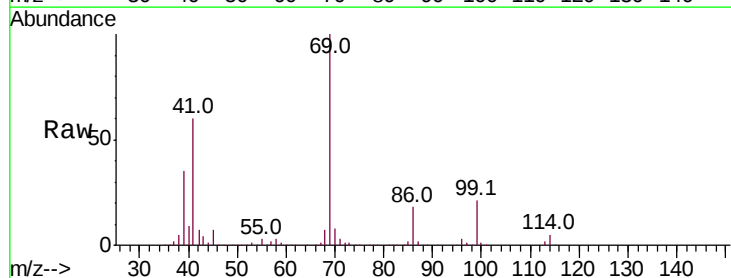
RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

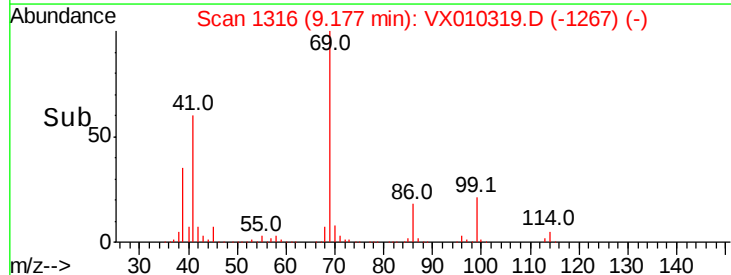
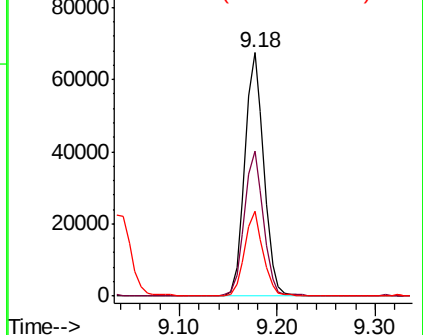
Tgt Ion:	69	Resp:	91293
Ion	Ratio	Lower	Upper
69	100		
41	59.3	62.7	94.1#
39	33.7	29.5	44.3

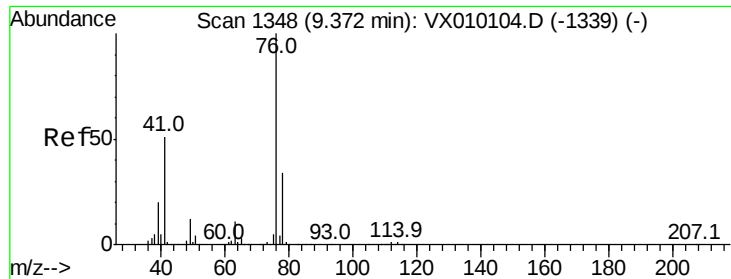


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 19.736 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0617WBSD01

Tot Ion: 76 Resp: 95037

Ion Ratio Lower Upper

76 100

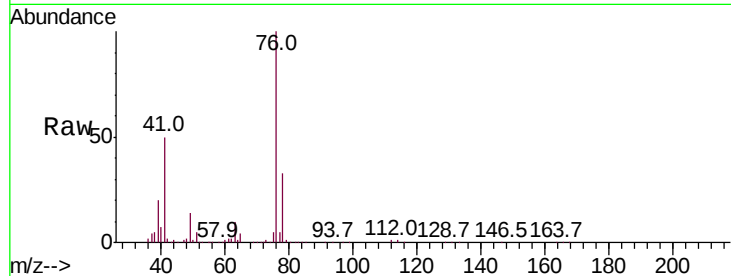
78 32.5 25.4 38.0

Manual Integrations

APPROVED

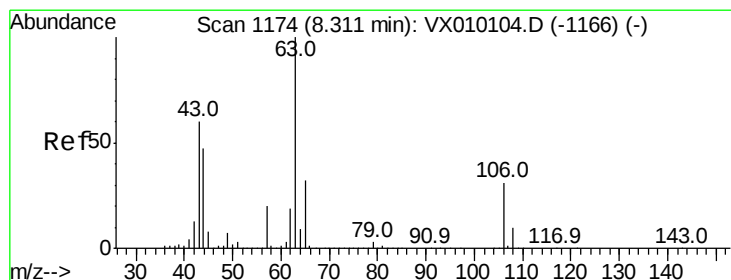
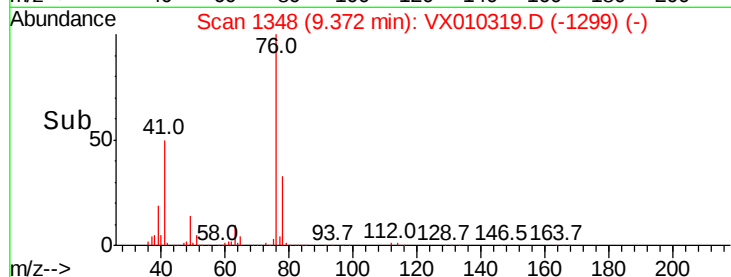
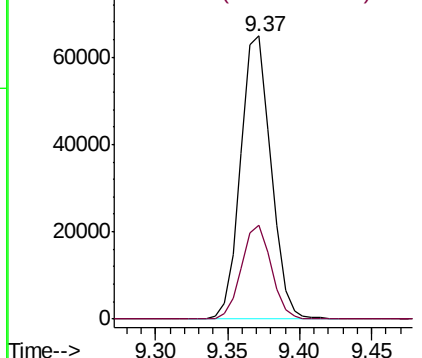
MMDadoda

6/18/2019 11:26:30 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 81.886 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX010319.D

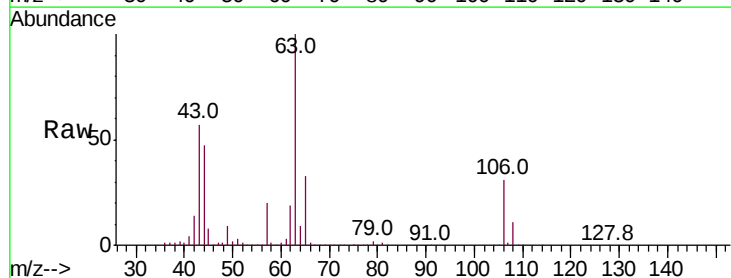
Acq: 17 Jun 2019 13:12

Tgt Ion: 63 Resp: 186516

Ion Ratio Lower Upper

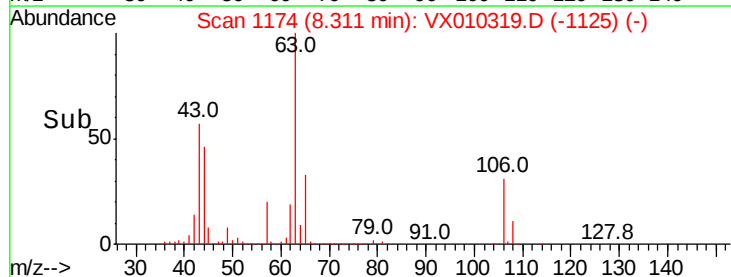
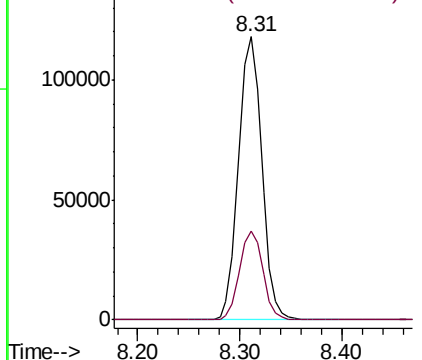
63 100

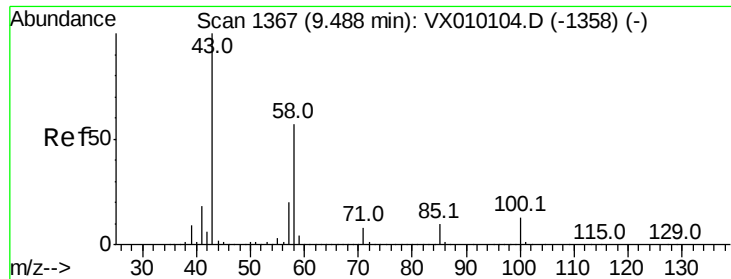
106 31.5 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





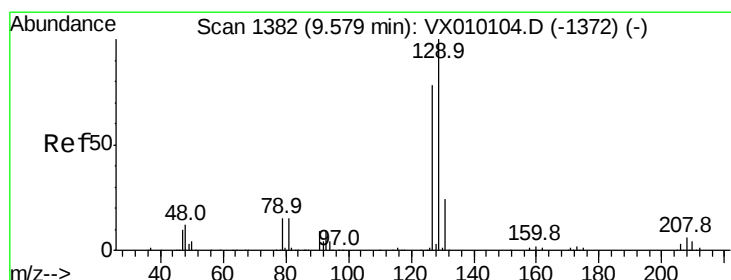
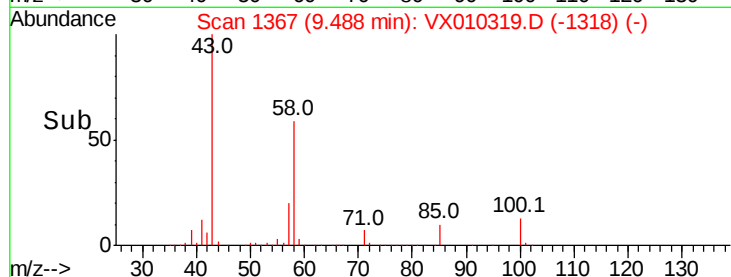
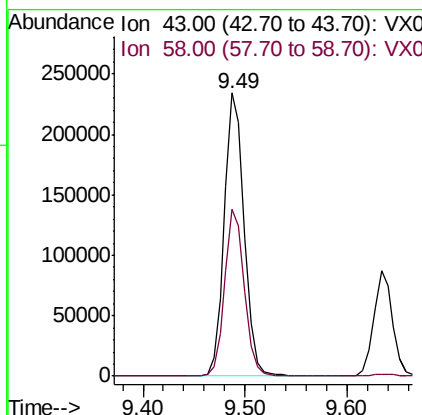
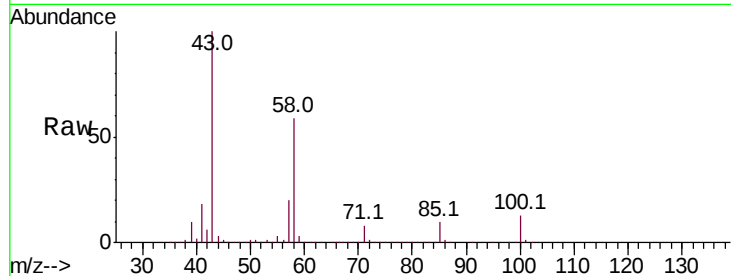
#59
2-Hexanone
Concen: 103.718 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0617WBSD01

Tot Ion: 43 Resp: 315780
Ion Ratio Lower Upper
43 100
58 58.2 25.1 75.3

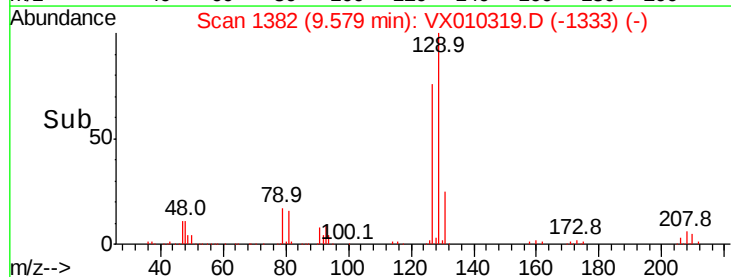
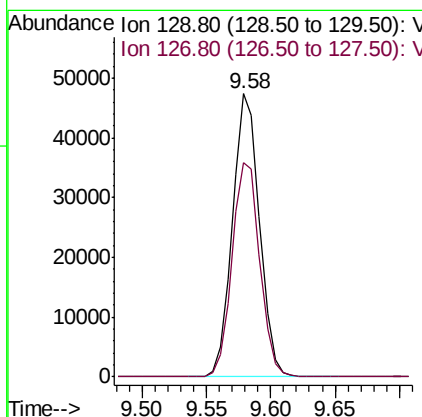
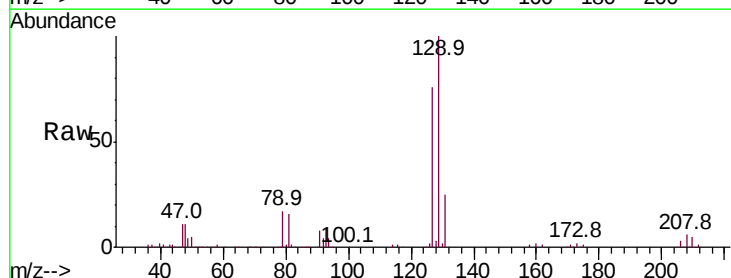
Manual Integrations
APPROVED

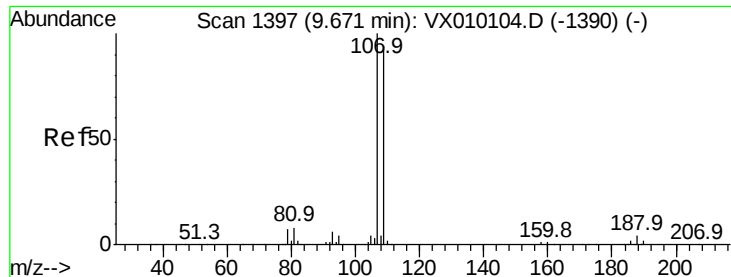
MMDadoda
6/18/2019 11:26:30 AM



#60
Dibromochloromethane
Concen: 19.144 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Tgt Ion: 129 Resp: 69260
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.034 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0617WBSD01

Tot Ion:107 Resp: 64841

Ion Ratio Lower Upper

107 100

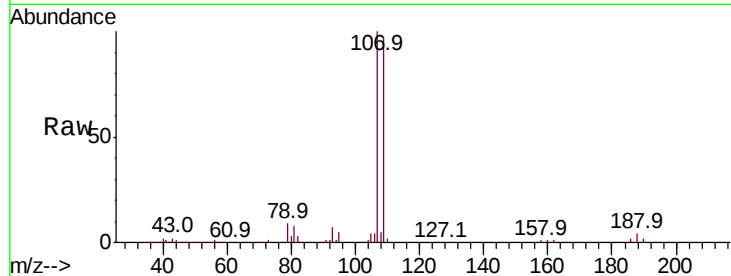
109 95.4 75.4 113.2

Manual Integrations

APPROVED

MMDadoda

6/18/2019 11:26:30 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

50000

40000

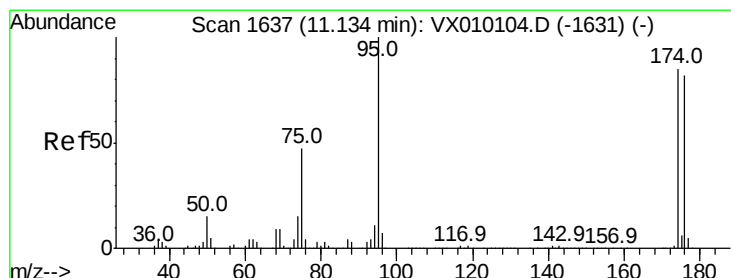
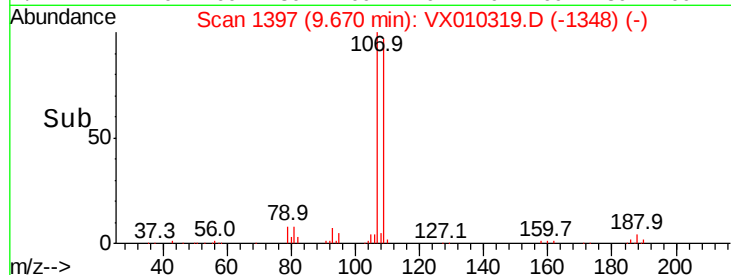
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.422 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

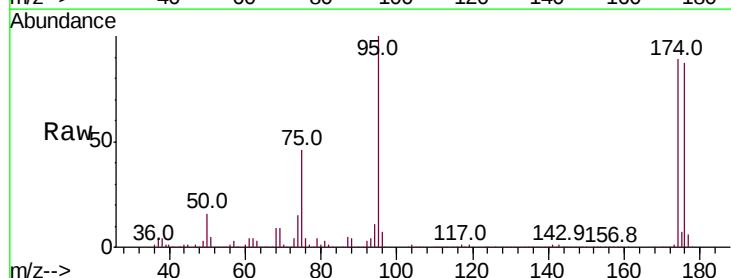
Tgt Ion: 95 Resp: 203827

Ion Ratio Lower Upper

95 100

174 94.5 0.0 160.4

176 91.3 0.0 154.6



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

11.13

200000

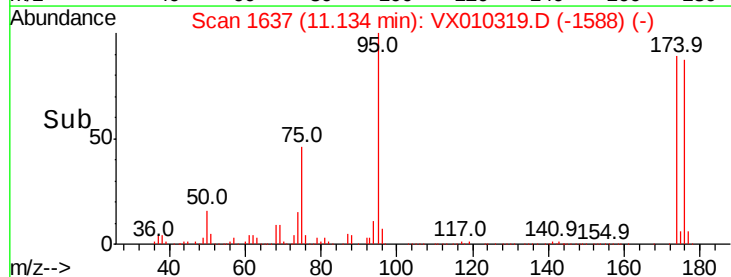
150000

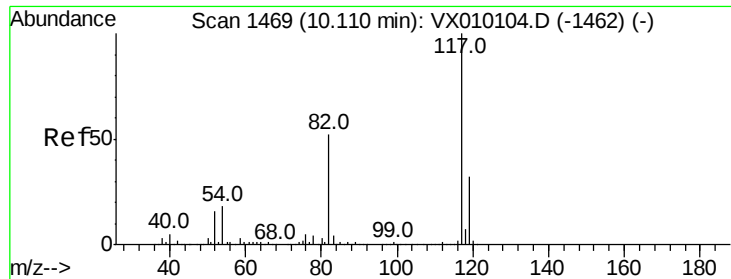
100000

50000

0

Time-->





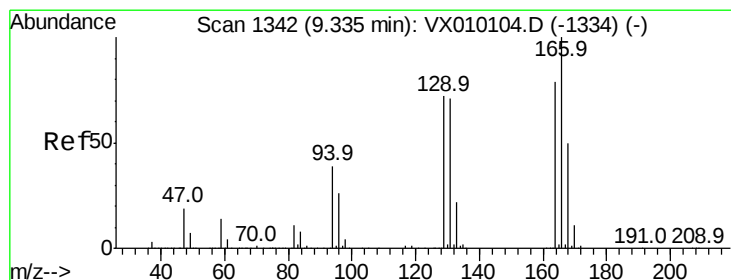
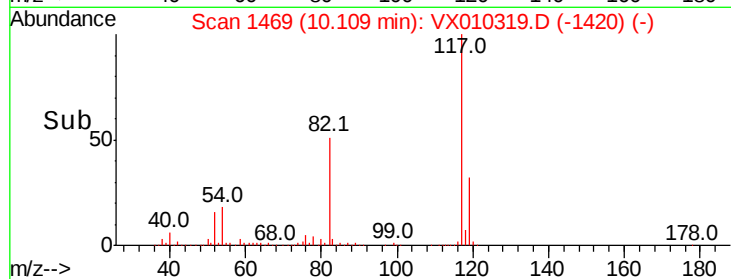
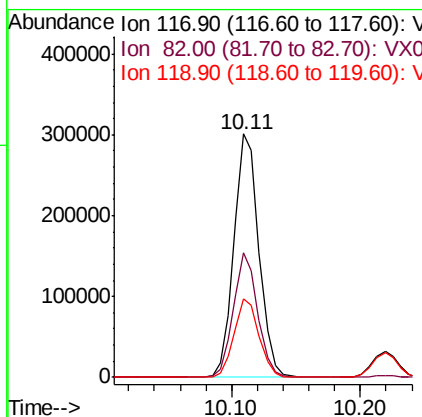
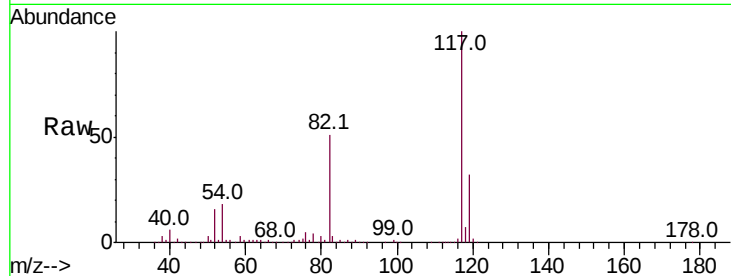
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0617WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	50.9	49.2	73.8	
119	32.2	25.2	37.8	

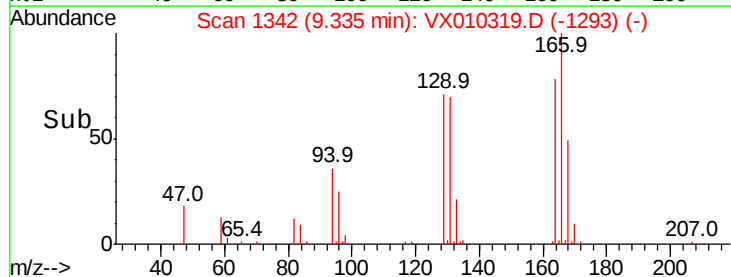
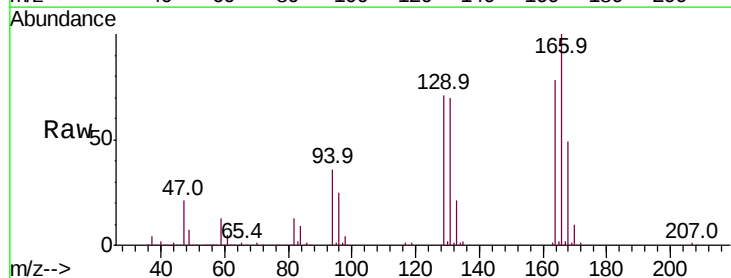
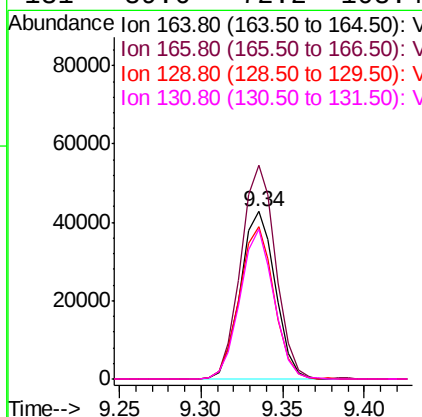
Manual Integrations
APPROVED

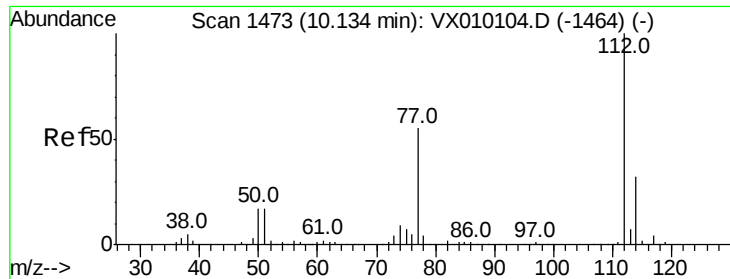
MMDadoda
6/18/2019 11:26:30 AM



#64
Tetrachloroethene
Concen: 21.053 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	127.4	105.0	157.4	
129	90.4	75.1	112.7	
131	89.6	72.2	108.4	





#65

Chlorobenzene

Concen: 19.641 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

Instrument :

MSVOA_X

ClientSampled :

VX0617WBSD01

Tot Ion:112 Resp: 164901

Ion Ratio Lower Upper

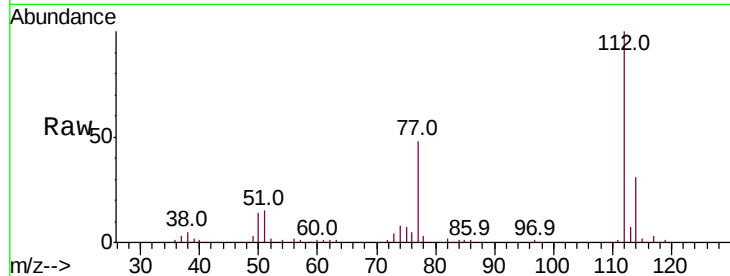
112 100

114 31.5 25.8 38.8

Manual Integrations
APPROVED

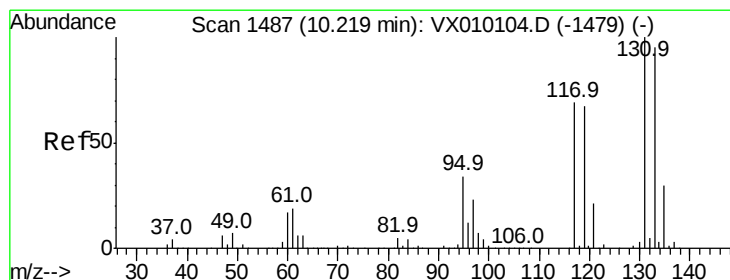
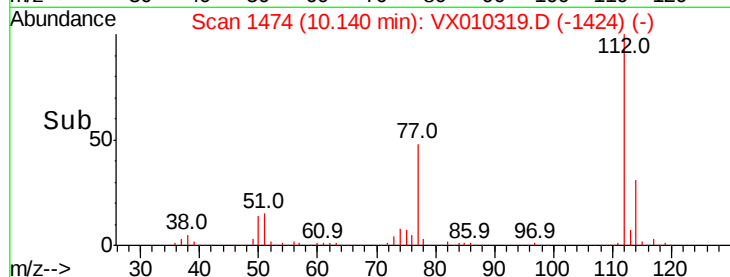
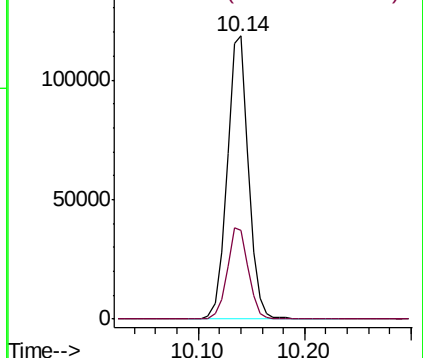
MMDadoda

6/18/2019 11:26:30 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.330 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

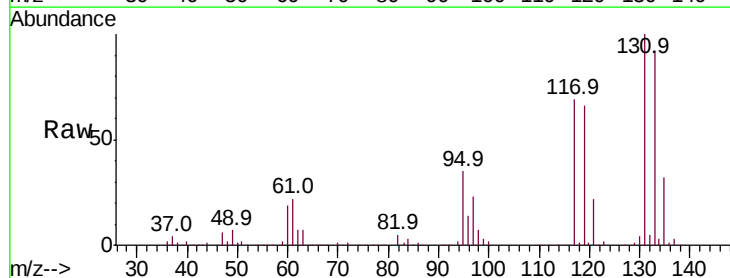
Tgt Ion:131 Resp: 62410

Ion Ratio Lower Upper

131 100

133 94.6 47.5 142.6

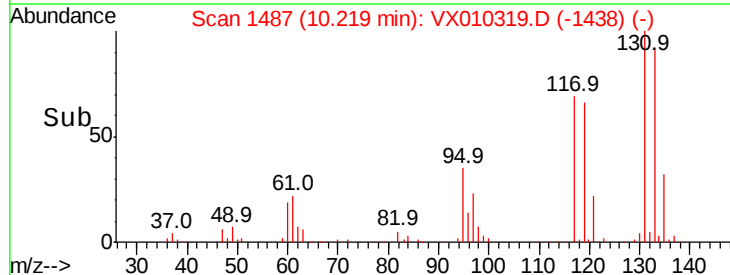
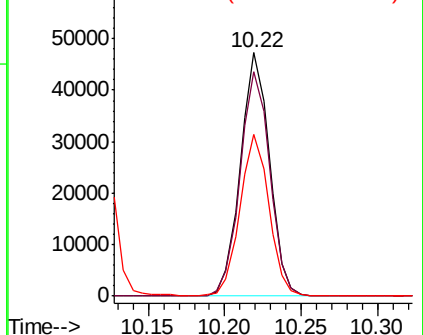
119 66.3 33.4 100.1

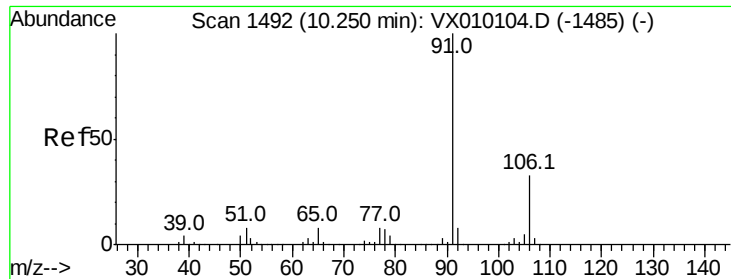


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





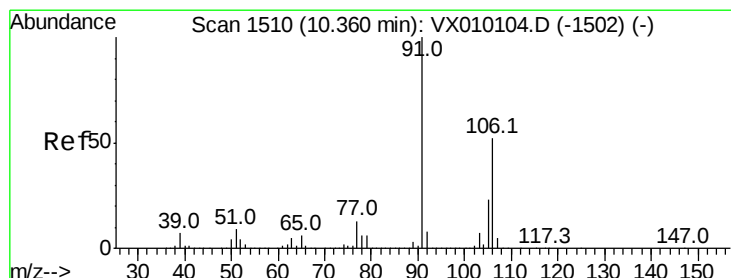
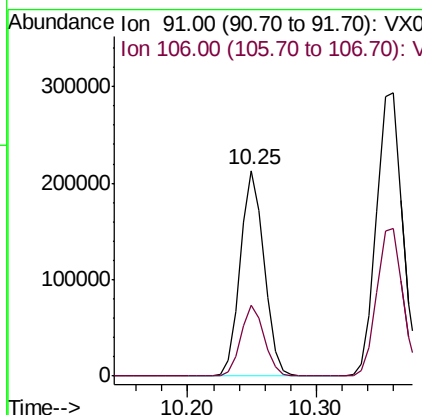
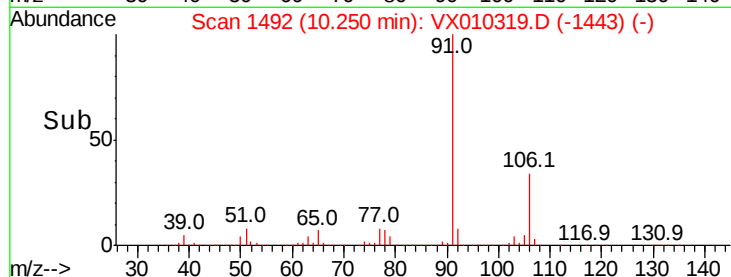
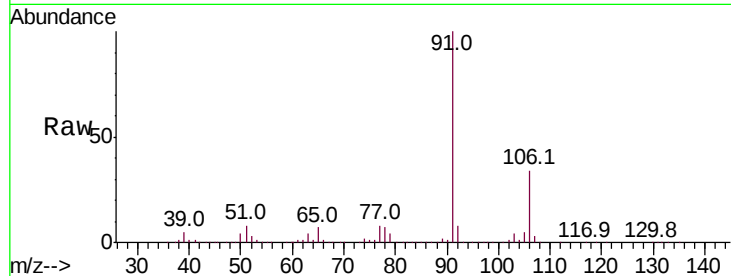
#67
Ethyl Benzene
Concen: 19.142 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Instrument :
MSVOA_X
ClientSampled :
VX0617WBSD01

Tot Ion: 91 Resp: 273595
Ion Ratio Lower Upper
91 100
106 34.2 23.9 35.9

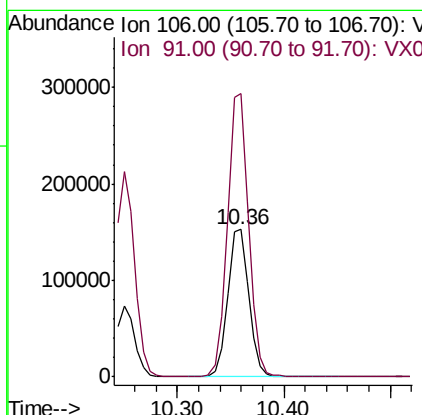
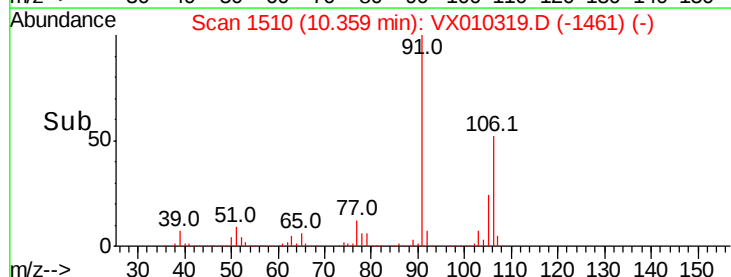
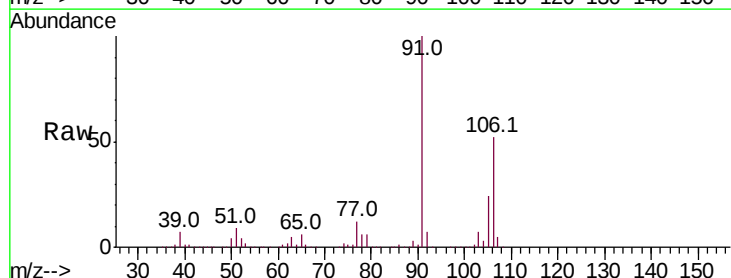
Manual Integrations
APPROVED

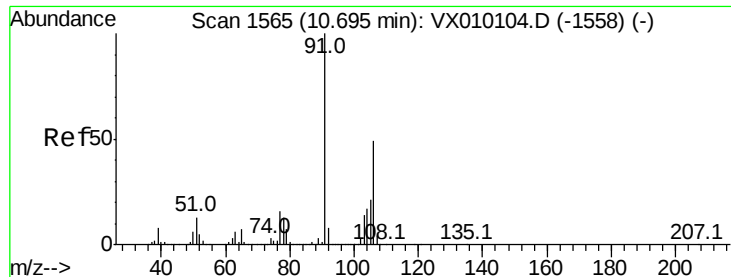
MMDadoda
6/18/2019 11:26:30 AM



#68
m/p-Xylenes
Concen: 38.501 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Tgt Ion: 106 Resp: 212946
Ion Ratio Lower Upper
106 100
91 192.4 167.3 250.9





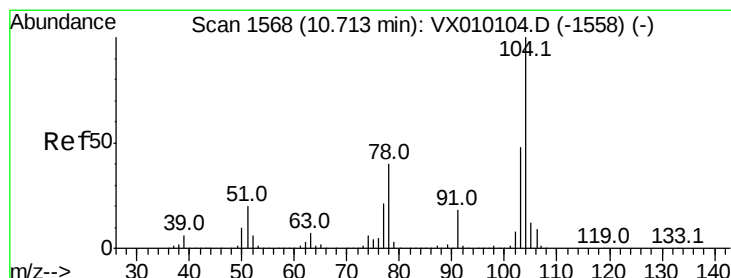
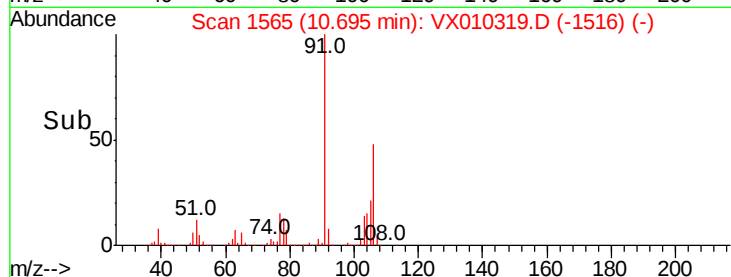
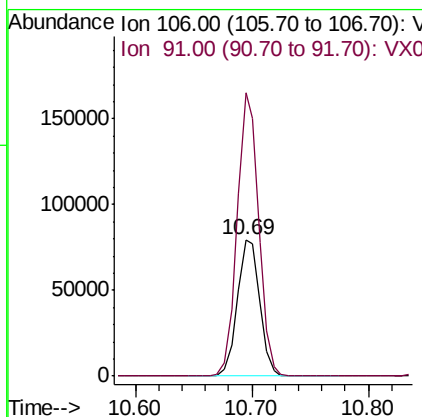
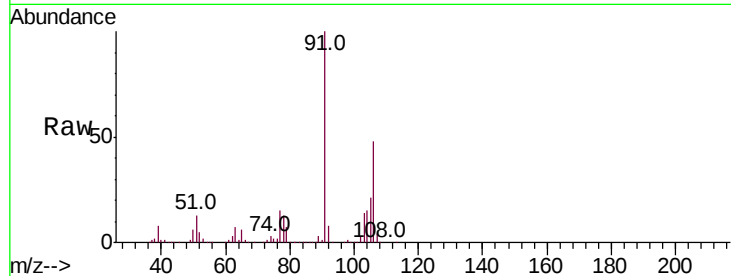
#69
o-Xylene
Concen: 19.351 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Instrument :
MSVOA_X
ClientSampled :
VX0617WBSD01

Tot Ion:106 Resp: 106393
Ion Ratio Lower Upper
106 100
91 200.6 110.4 331.2

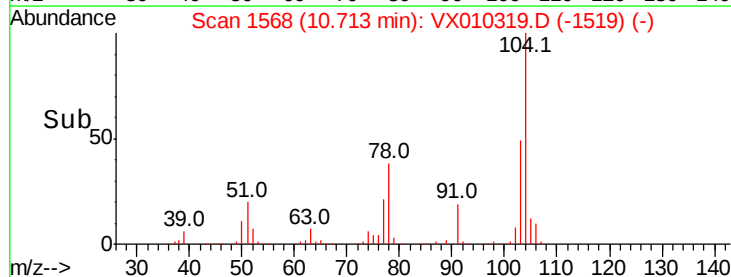
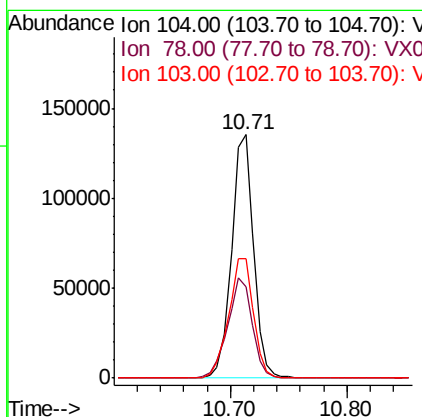
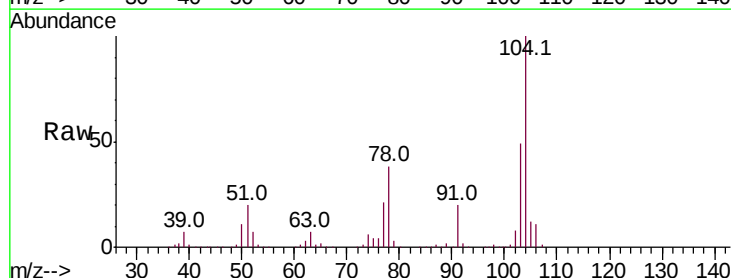
Manual Integrations
APPROVED

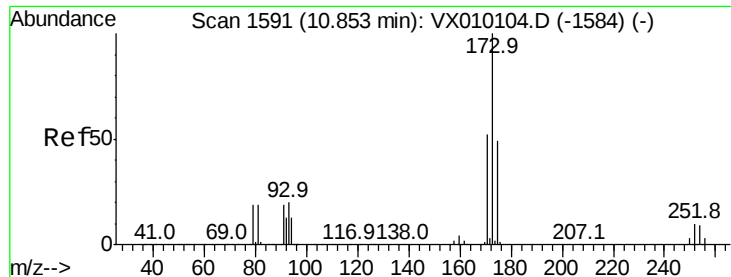
MMDadoda
6/18/2019 11:26:30 AM



#70
Styrene
Concen: 19.140 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Tgt Ion:104 Resp: 178223
Ion Ratio Lower Upper
104 100
78 46.0 42.1 63.1
103 55.7 44.1 66.1





#71

Bromoform

Concen: 18.652 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0617WBSD01

Tot Ion:173 Resp: 55364

Ion Ratio Lower Upper

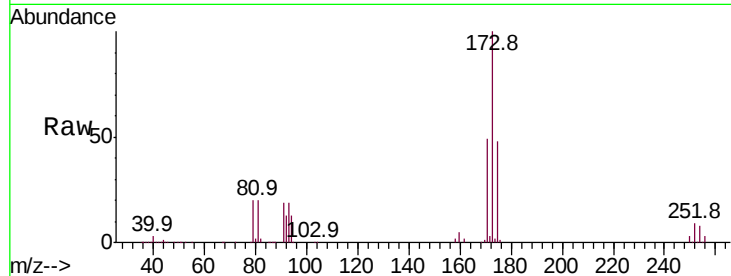
173 100

175 49.0 25.0 75.0

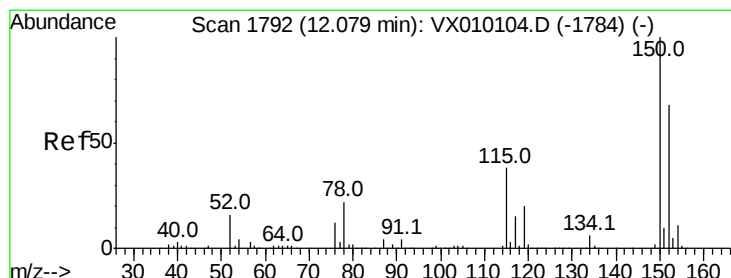
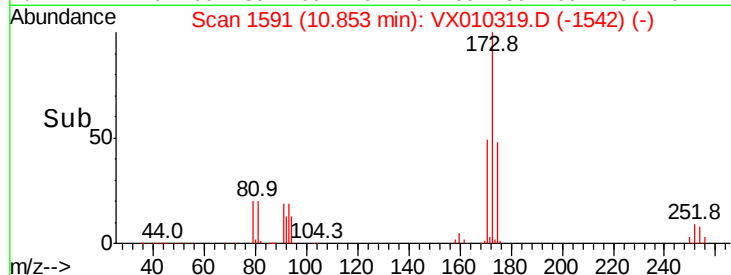
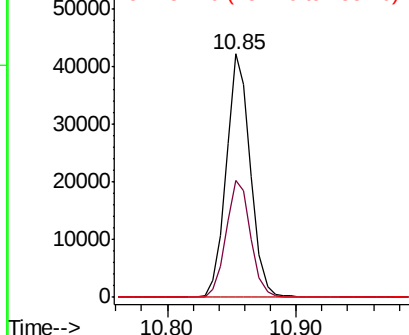
254 0.0 0.2 0.2#

Manual Integrations
APPROVED

MMDadoda
6/18/2019 11:26:30 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: VX010319.D

Acq: 17 Jun 2019 13:12

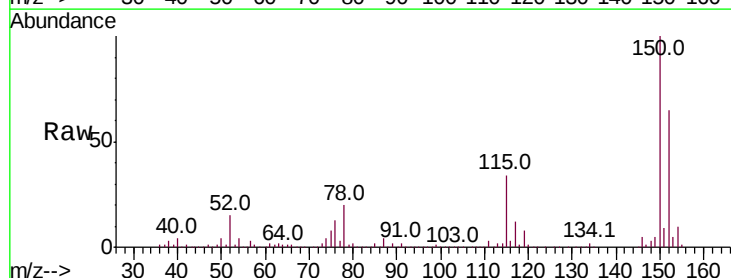
Tgt Ion:152 Resp: 208785

Ion Ratio Lower Upper

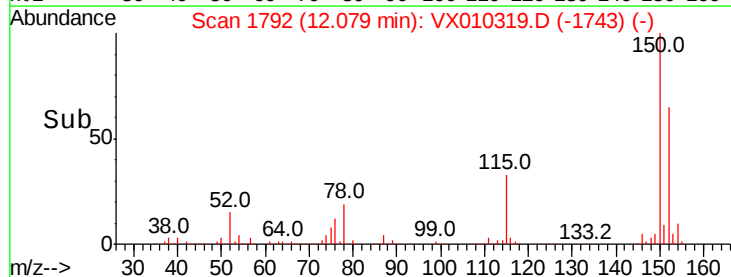
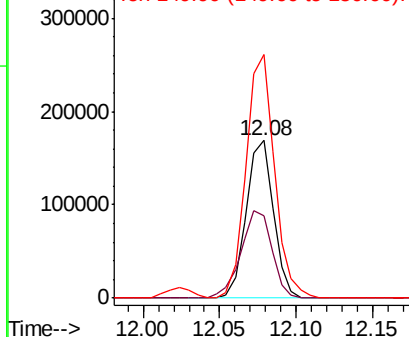
152 100

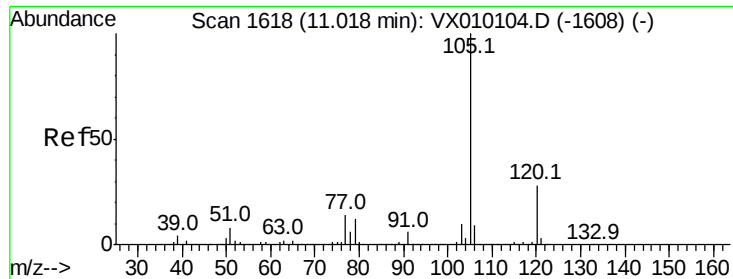
115 63.1 41.4 124.2

150 161.4 0.0 345.2



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: 19.279 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0617WBSD01

Tot Ion:105 Resp: 280984

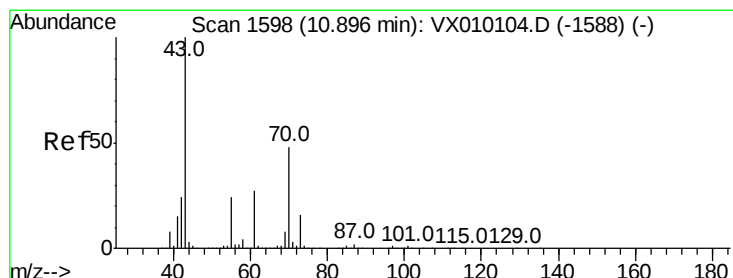
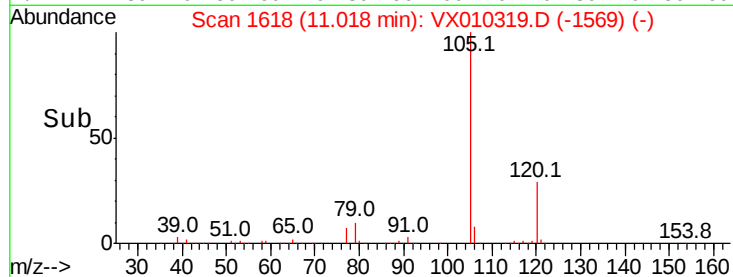
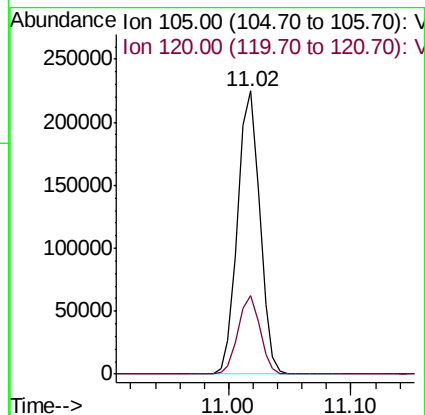
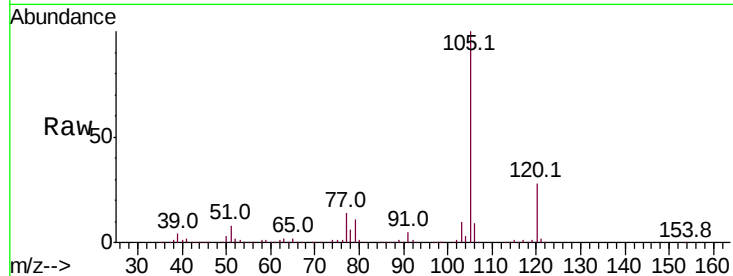
Ion Ratio Lower Upper

105 100

120 27.5 12.8 38.4

Manual Integrations
APPROVED

MMDadoda
6/18/2019 11:26:30 AM



#74

N-ethyl acetate

Concen: 18.771 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

Tgt Ion: 43 Resp: 108148

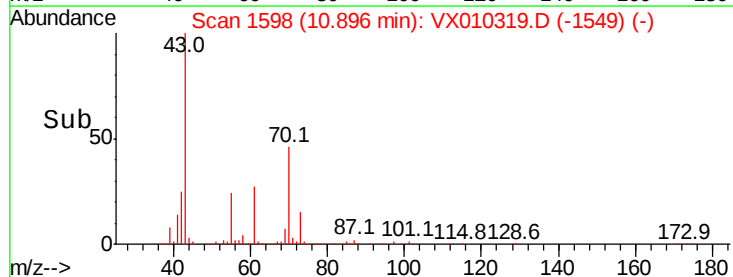
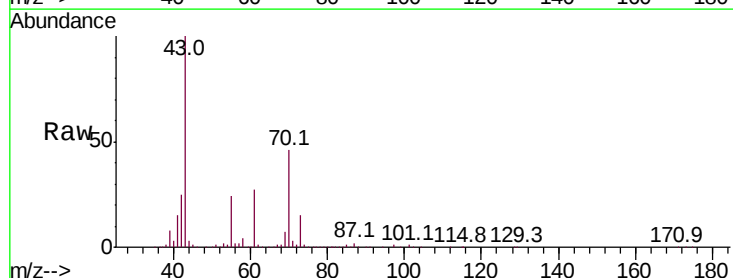
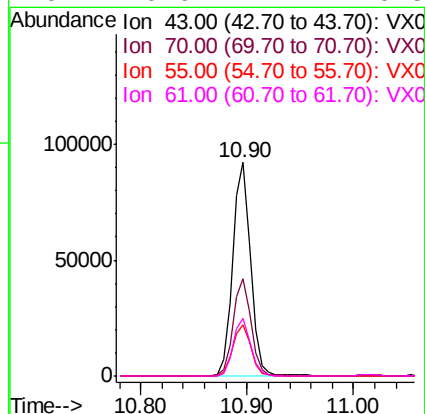
Ion Ratio Lower Upper

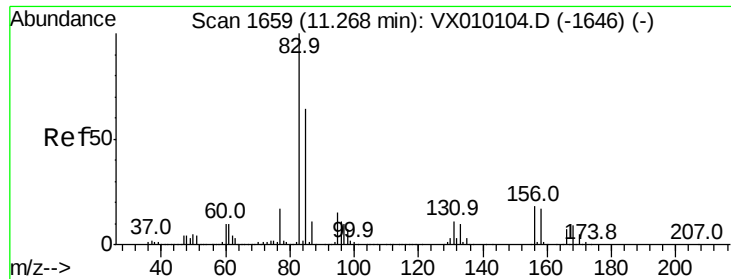
43 100

70 45.8 28.6 43.0#

55 24.5 17.8 26.8

61 26.6 17.7 26.5#





#75

1,1,2,2-Tetrachloroethane

Concen: 19.490 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

Instrument :

MSVOA_X

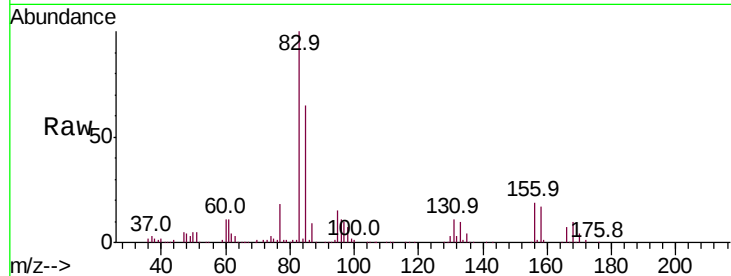
ClientSampleId :

VX0617WBSD01

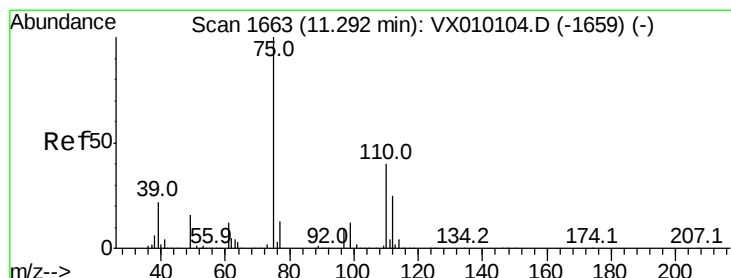
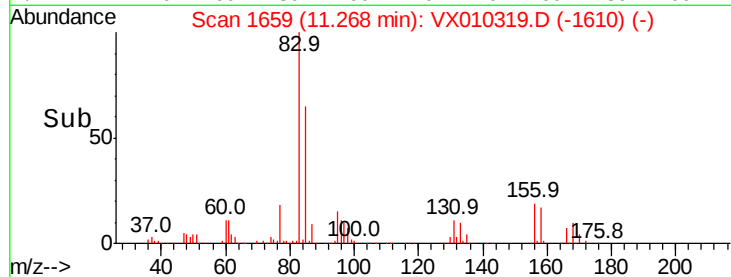
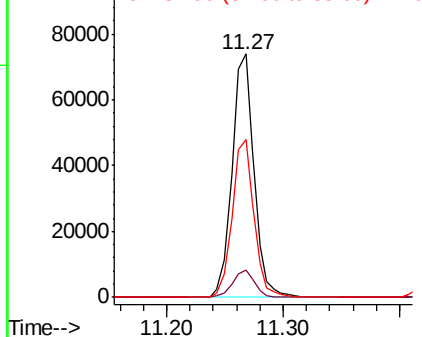
Tot Ion:	83	Resp:	97235
Ion Ratio	Lower	Upper	
83	100		
131	11.0	4.7	14.1
85	64.3	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
6/18/2019 11:26:30 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 18.904 ug/l m

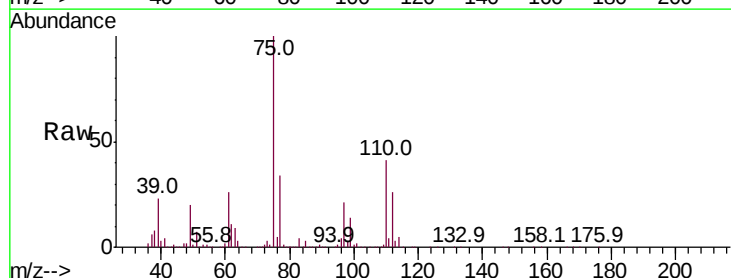
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

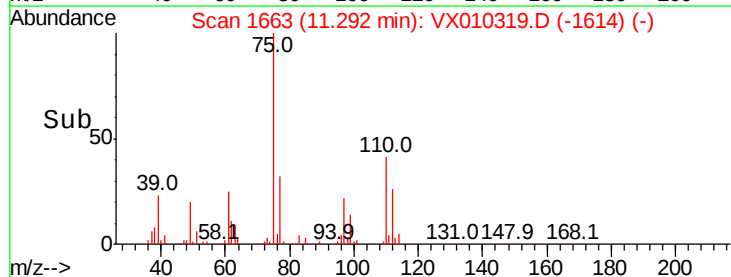
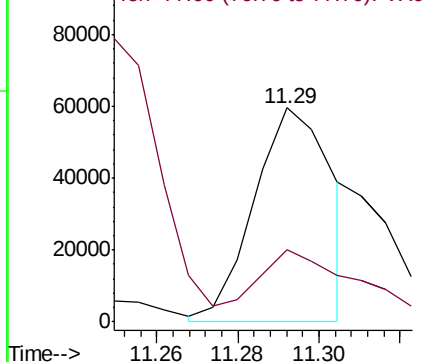
Lab File: VX010319.D

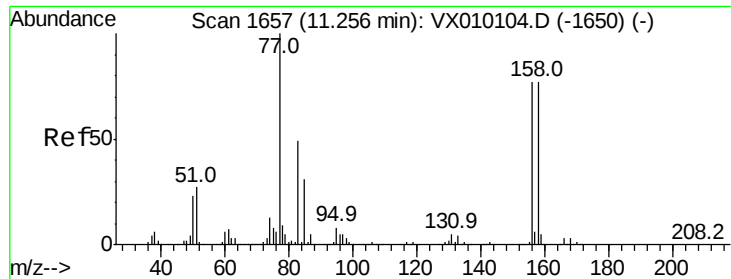
Acq: 17 Jun 2019 13:12

Tgt Ion:	75	Resp:	78946
Ion Ratio	Lower	Upper	
75	100		
77	44.2	22.1	66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.347 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0617WBSD01

Tot Ion:156 Resp: 77542

Ion Ratio Lower Upper

156 100

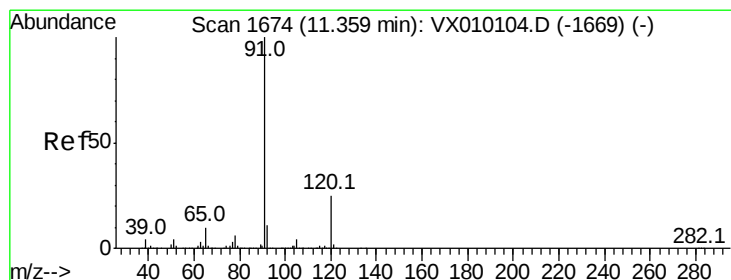
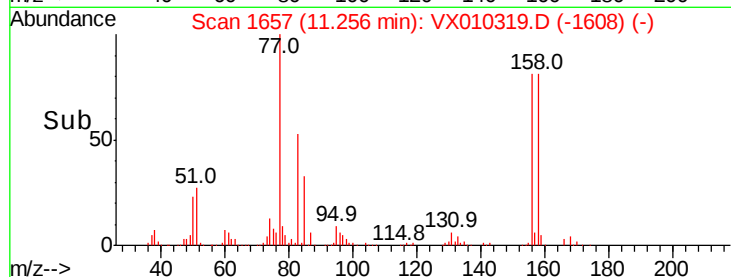
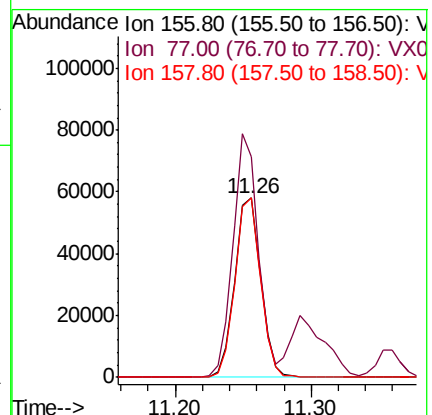
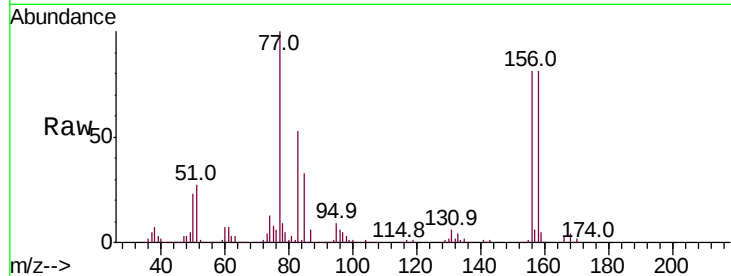
77 130.9 86.8 260.3

158 97.7 49.6 148.8

Manual Integrations
APPROVED

MMDadoda

6/18/2019 11:26:30 AM



#78

n-propylbenzene

Concen: 18.732 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010319.D

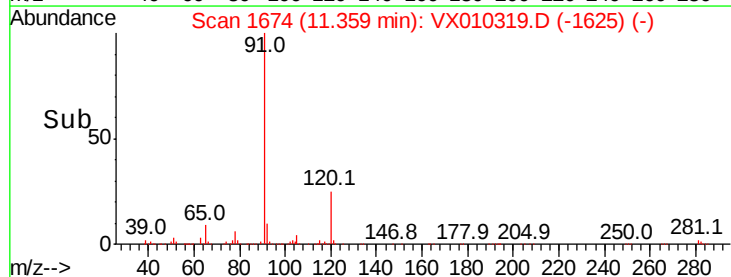
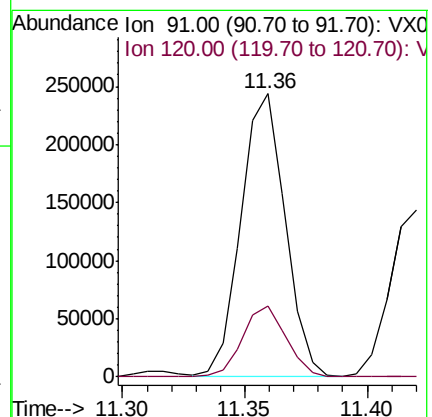
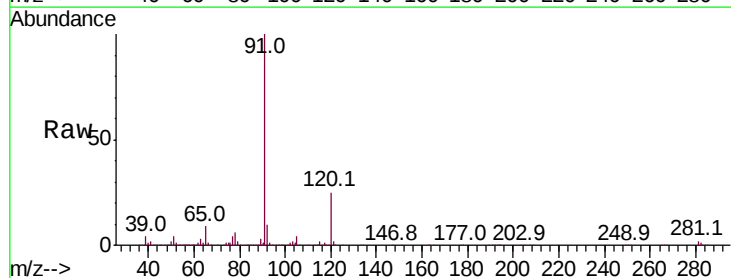
Acq: 17 Jun 2019 13:12

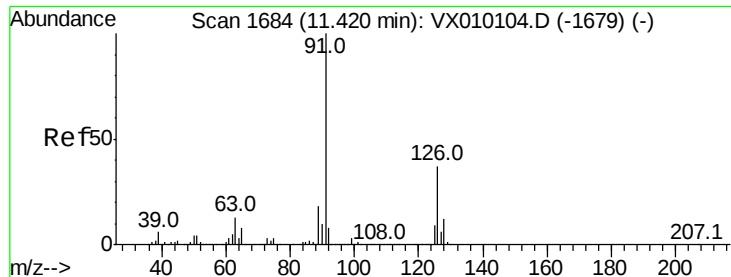
Tgt Ion: 91 Resp: 303945

Ion Ratio Lower Upper

91 100

120 25.0 11.1 33.3





#79

2-Chlorotoluene

Concen: 18.467 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0617WBSD01

Tot Ion: 91 Resp: 179964

Ion Ratio Lower Upper

91 100

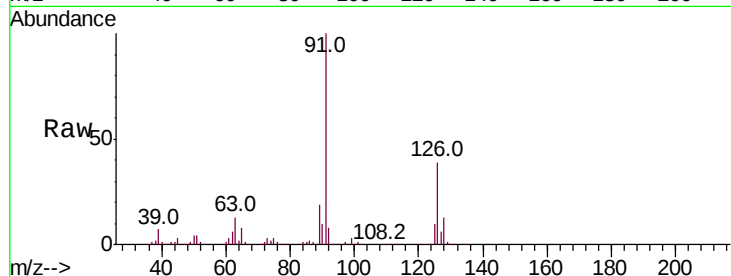
126 38.2 16.1 48.3

Manual Integrations

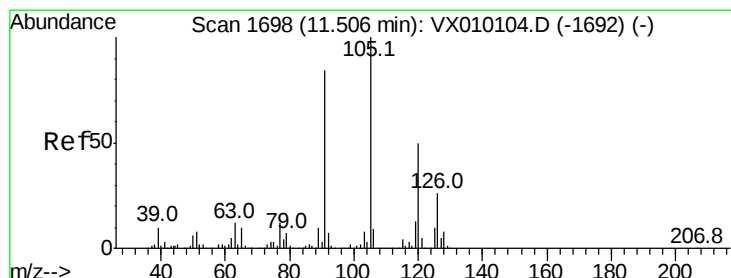
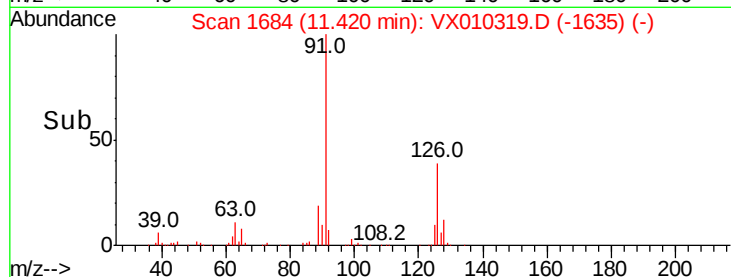
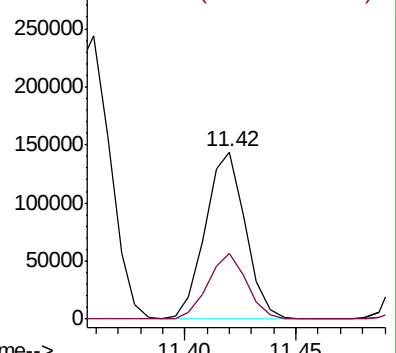
APPROVED

MMDadoda

6/18/2019 11:26:30 AM



Abundance Ion 91.00 (90.70 to 91.70): VX010104.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.000 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010319.D

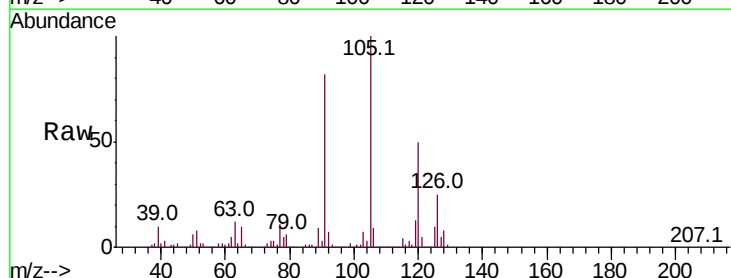
Acq: 17 Jun 2019 13:12

Tgt Ion: 105 Resp: 233236

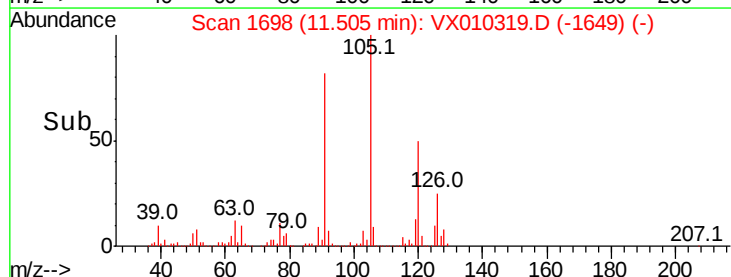
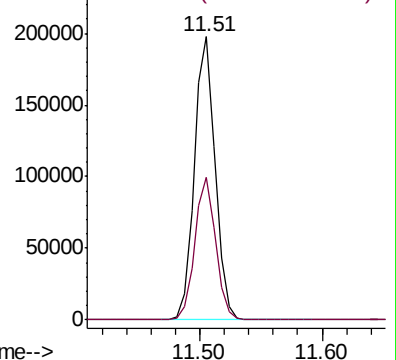
Ion Ratio Lower Upper

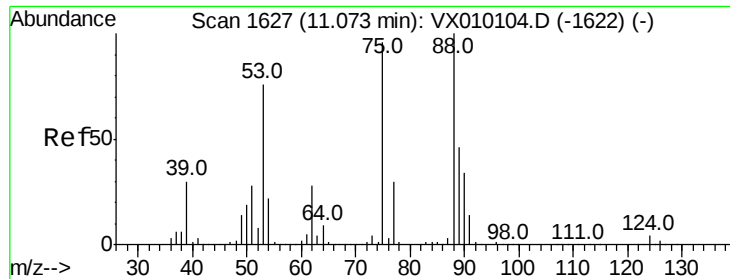
105 100

120 50.1 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VX010104.D (-1692) (-)





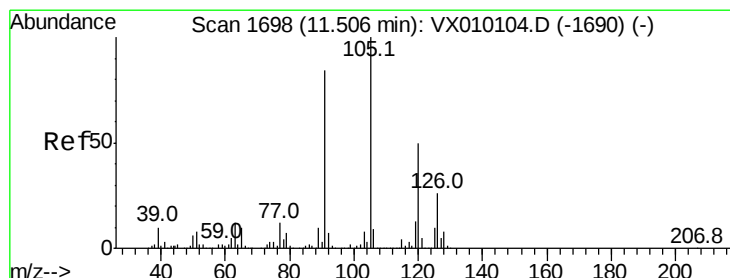
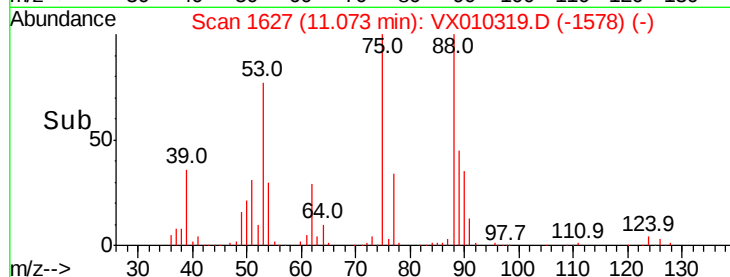
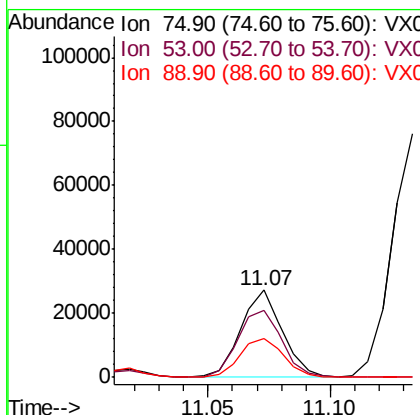
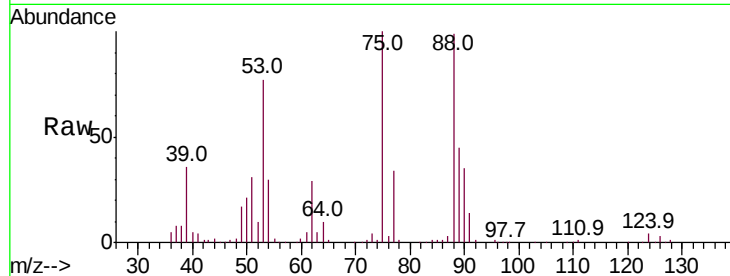
#81
trans-1,4-Dichloro-2-butene
Concen: 16.903 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0617WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	81.4	79.8	119.6
89	48.0	34.2	51.4

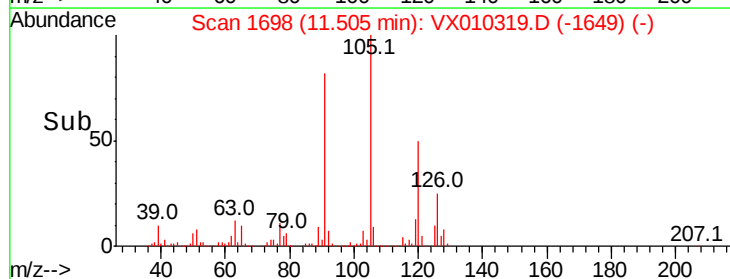
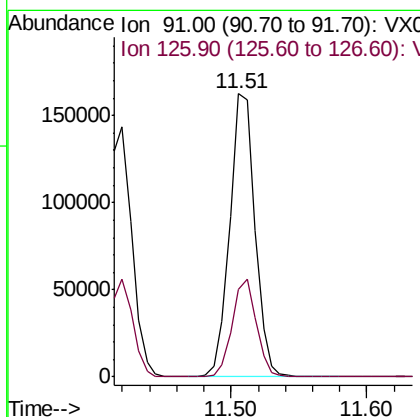
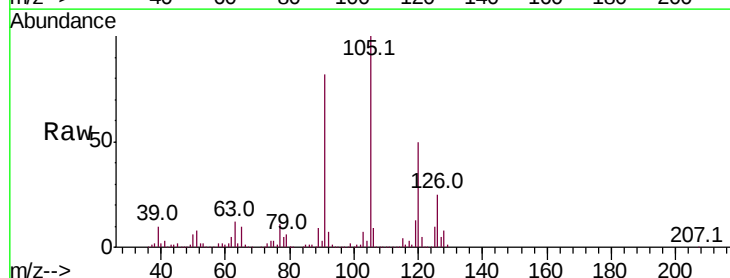
Manual Integrations
APPROVED

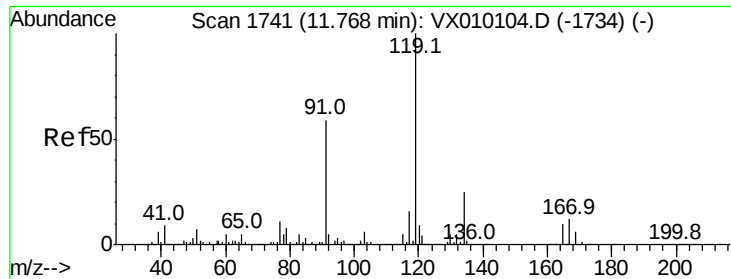
MMDadoda
6/18/2019 11:26:30 AM



#82
4-Chlorotoluene
Concen: 18.894 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	14.2	42.6





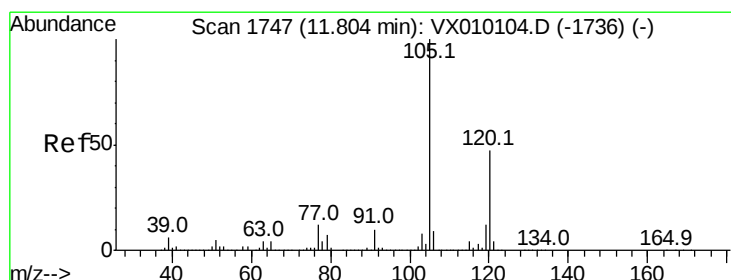
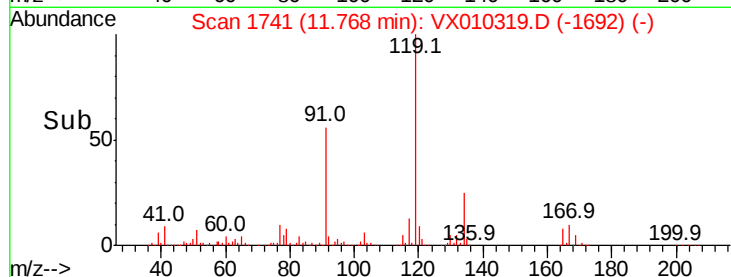
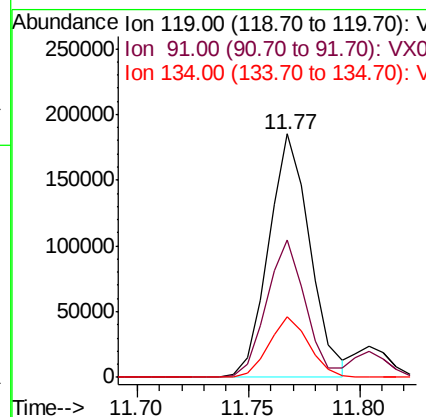
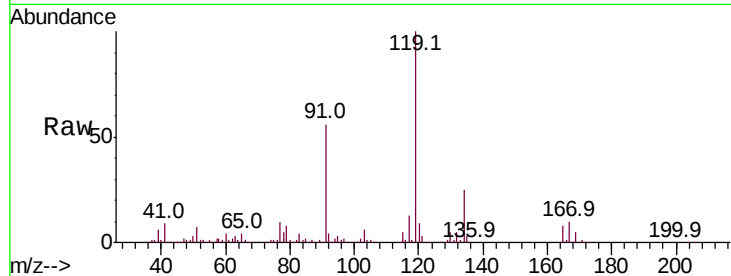
#83
tert-Butylbenzene
Concen: 19.108 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0617WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	237406		
91	53.6	30.0	90.0	
134	24.0	11.2	33.5	

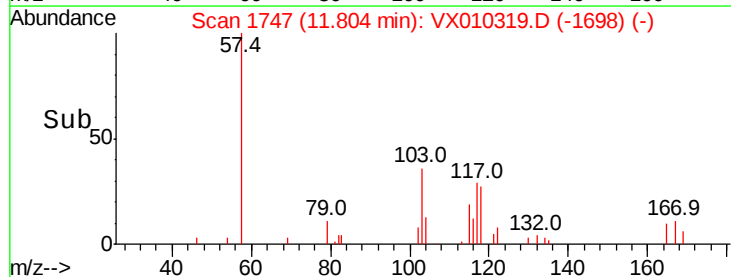
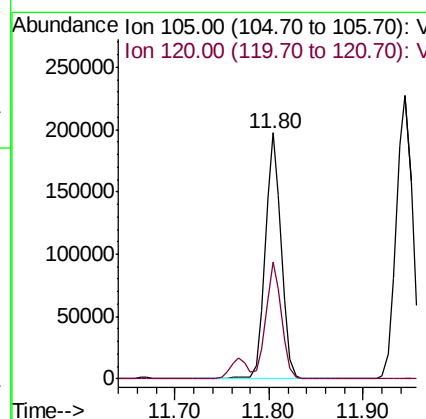
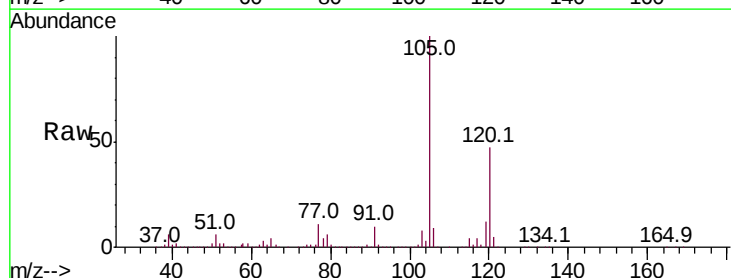
Manual Integrations
APPROVED

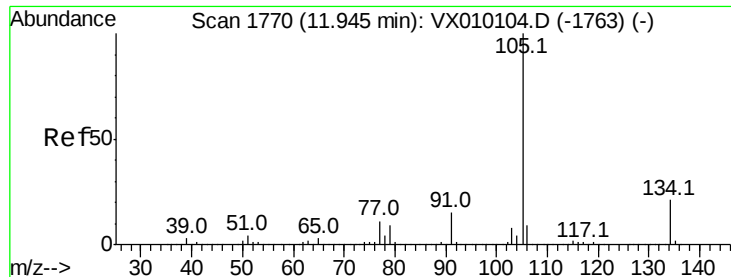
MMDadoda
6/18/2019 11:26:30 AM



#84
1,2,4-Trimethylbenzene
Concen: 18.978 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	235317		
120	47.0	22.1	66.1	





#85

sec-Butylbenzene

Concen: 19.014 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

Instrument :

MSVOA_X

ClientSampleID :

VX0617WBSD01

Tot Ion:105 Resp: 275233

Ion Ratio Lower Upper

105 100

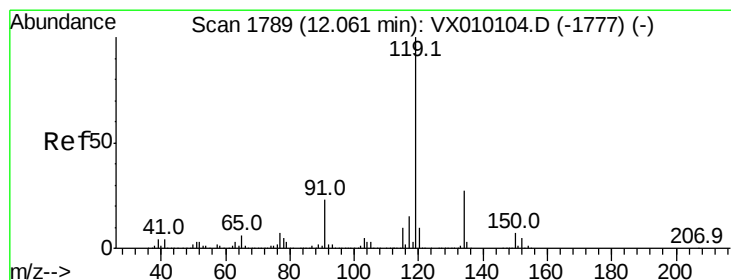
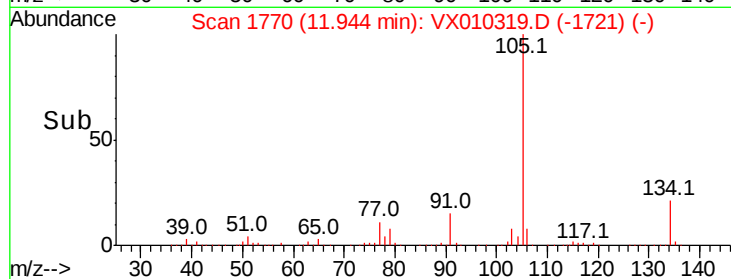
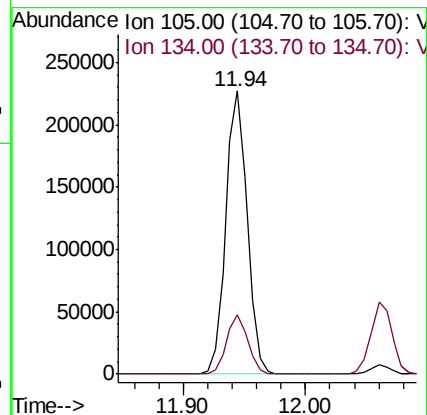
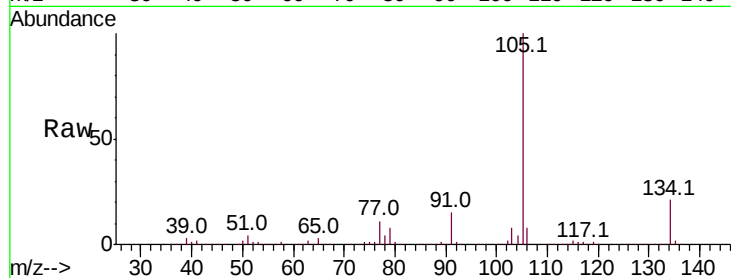
134 20.8 9.7 28.9

Manual Integrations

APPROVED

MMDadoda

6/18/2019 11:26:30 AM



#86

p-Isopropyltoluene

Concen: 19.056 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

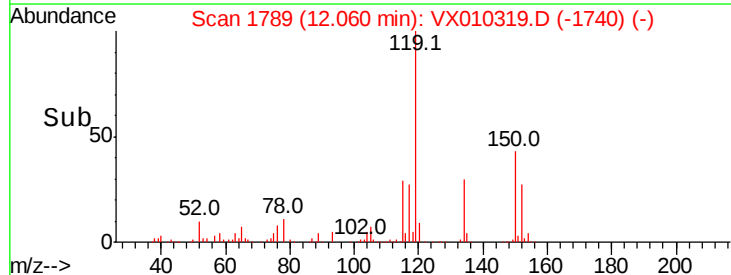
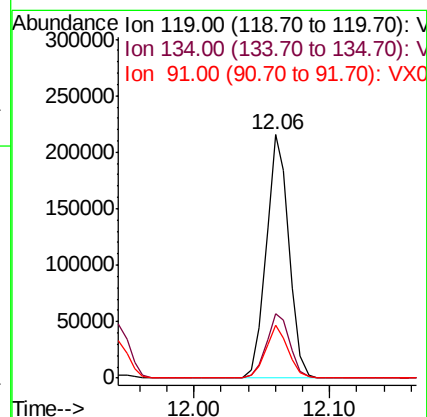
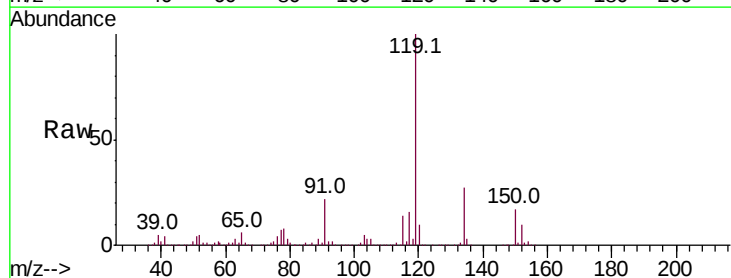
Tgt Ion:119 Resp: 252176

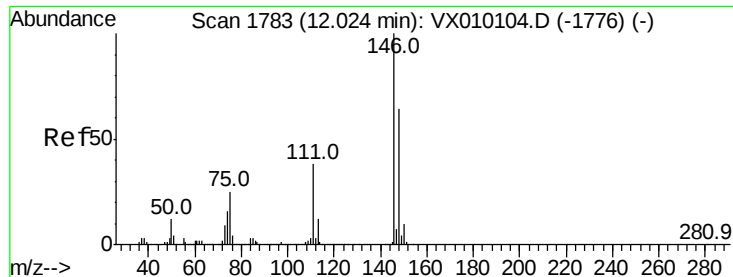
Ion Ratio Lower Upper

119 100

134 27.5 12.9 38.6

91 21.6 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 18.904 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

Instrument :

MSVOA_X

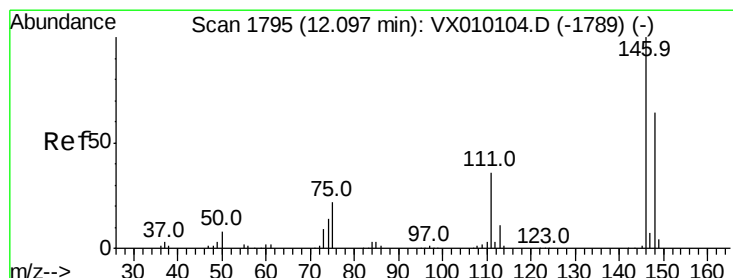
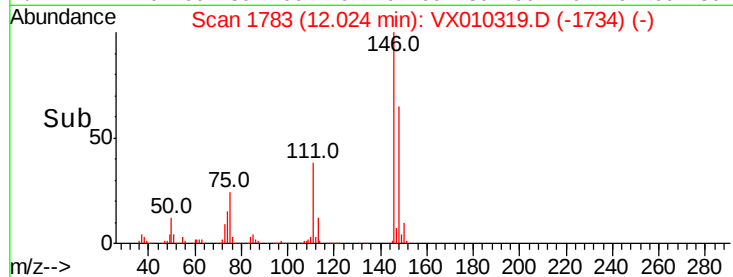
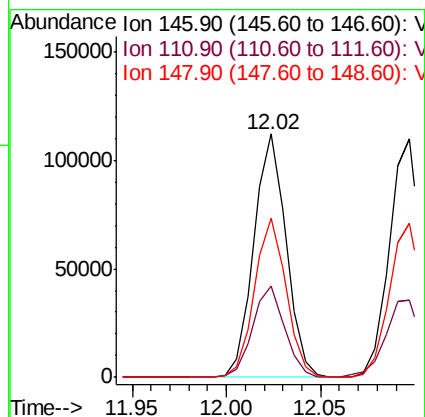
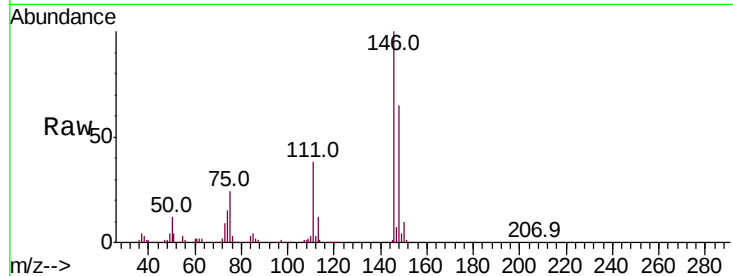
ClientSampleId :

VX0617WBSD01

Tot Ion:	146	Resp:	133456
Ion Ratio	Lower	Upper	
146	100		
111	37.2	20.1	60.2
148	64.0	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
6/18/2019 11:26:30 AM



#88

1,4-Dichlorobenzene

Concen: 18.965 ug/l

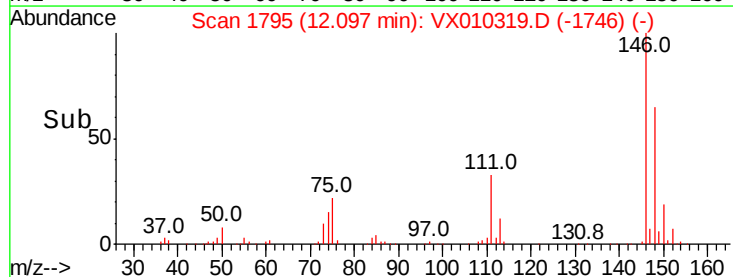
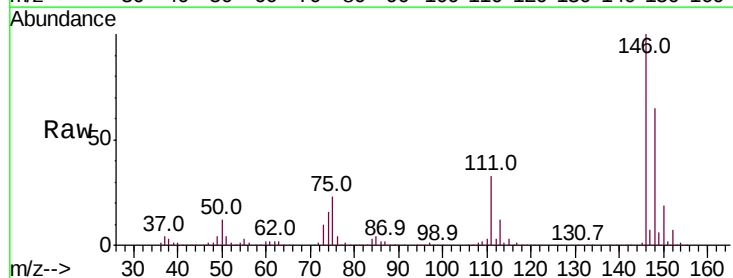
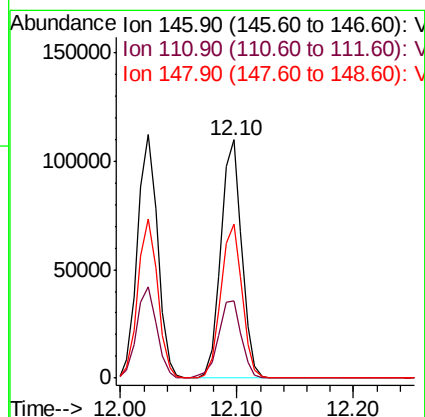
RT: 12.10 min Scan# 1795

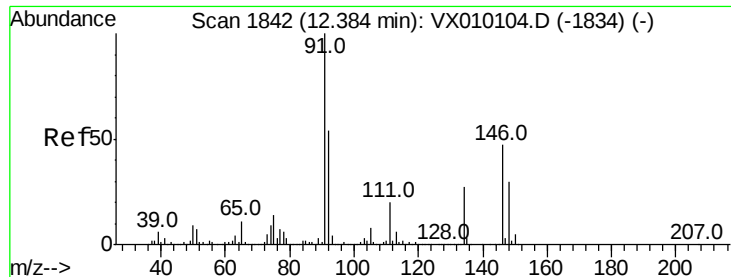
Delta R.T. -0.00 min

Lab File: VX010319.D

Acq: 17 Jun 2019 13:12

Tgt Ion:	146	Resp:	134965
Ion Ratio	Lower	Upper	
146	100		
111	35.8	20.0	59.9
148	65.7	32.3	96.9





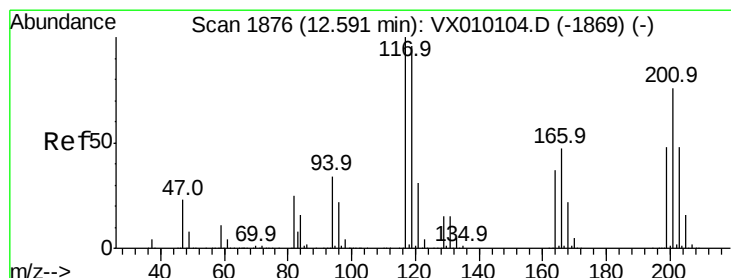
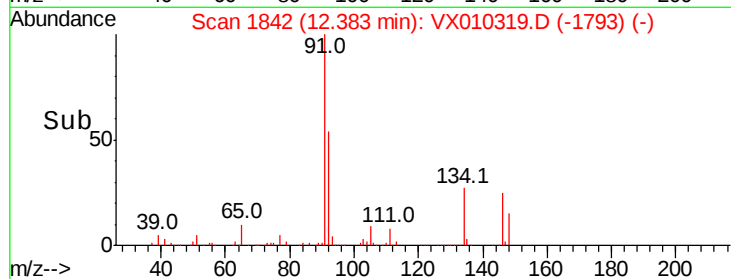
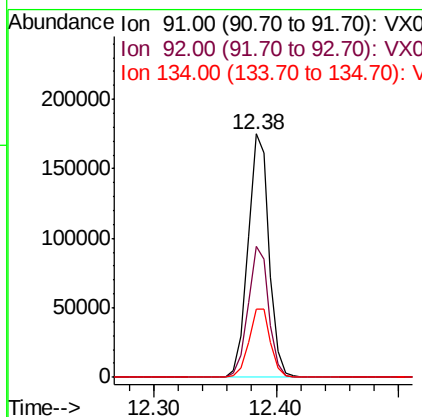
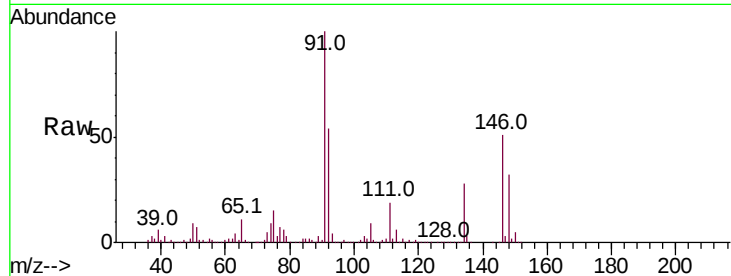
#89
n-Butylbenzene
Concen: 18.337 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0617WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.3	78.8
134	28.8	12.3	36.8

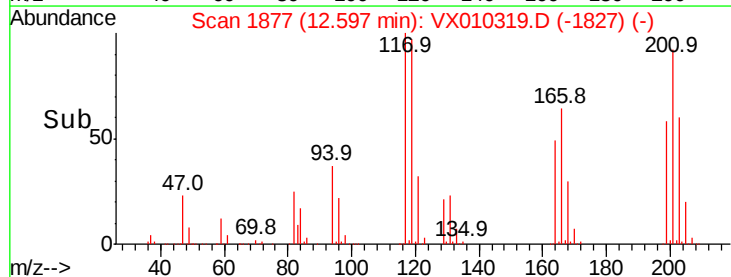
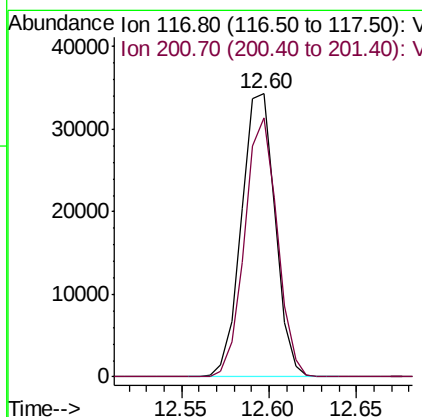
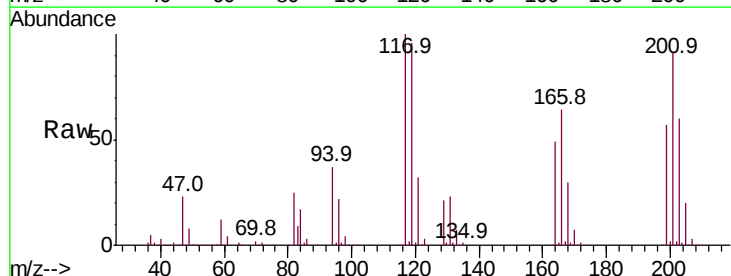
Manual Integrations
APPROVED

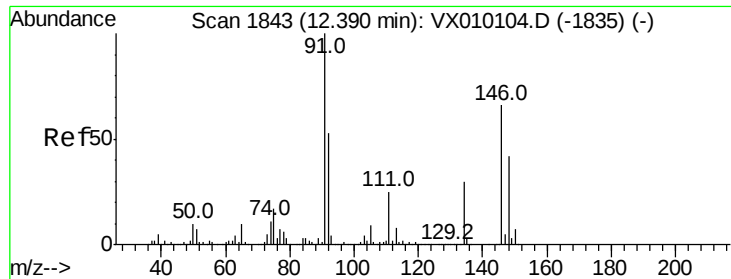
MMDadoda
6/18/2019 11:26:30 AM



#90
Hexachloroethane
Concen: 17.479 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.3	43.6	130.9





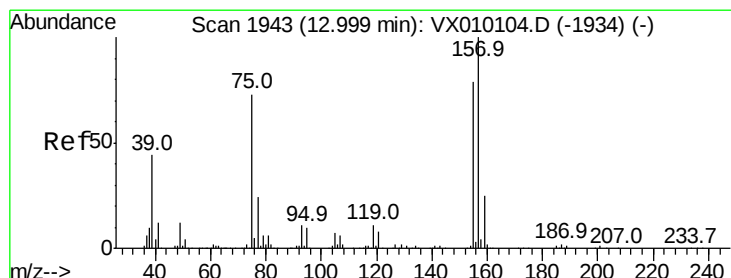
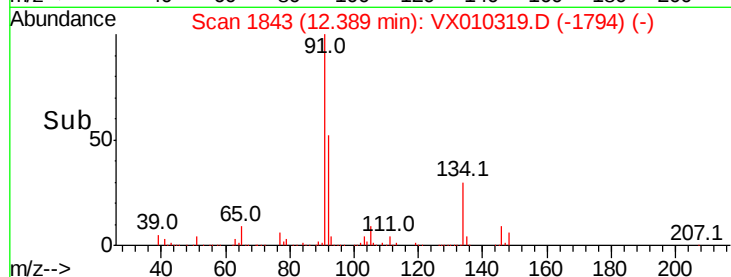
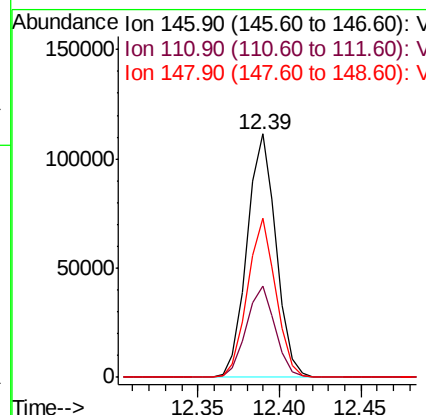
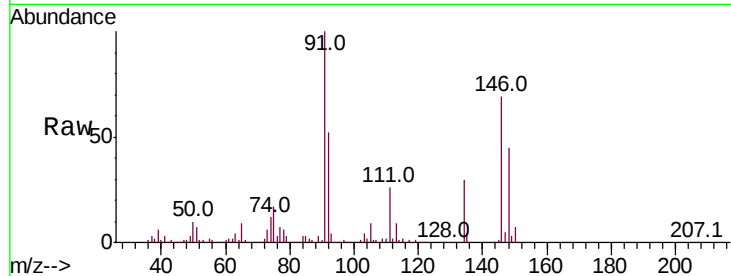
#91
 1,2-Dichlorobenzene
 Concen: 20.095 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010319.D
 Acq: 17 Jun 2019 13:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0617WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	21.1	63.1
148	64.0	32.3	96.8

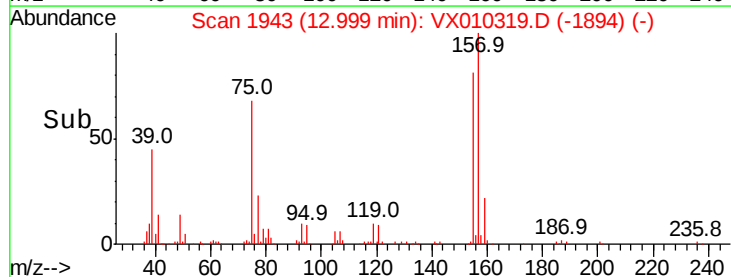
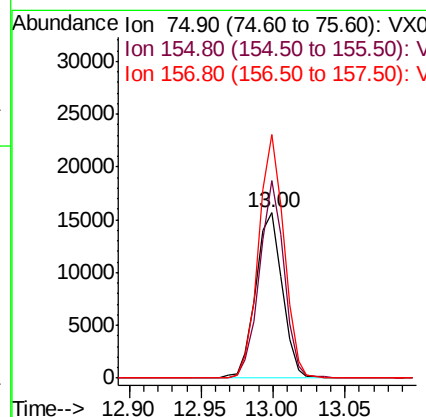
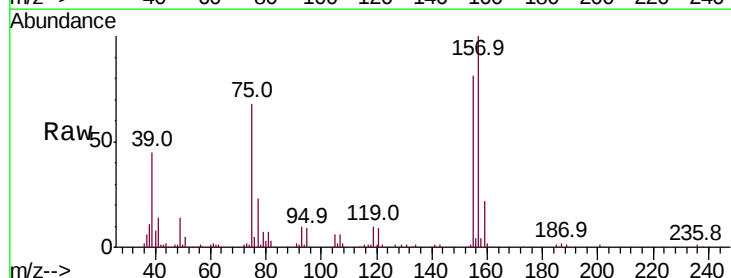
Manual Integrations
 APPROVED

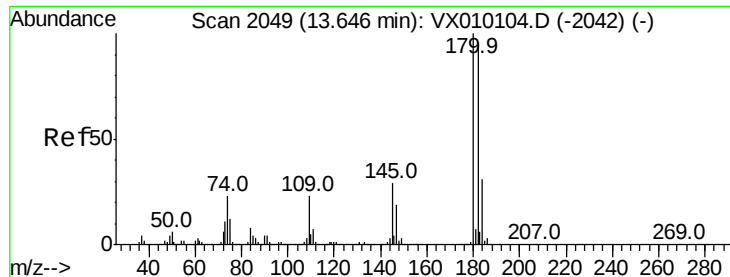
MMDadoda
 6/18/2019 11:26:30 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.008 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX010319.D
 Acq: 17 Jun 2019 13:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	109.5	39.3	117.8
157	139.0	50.6	151.8





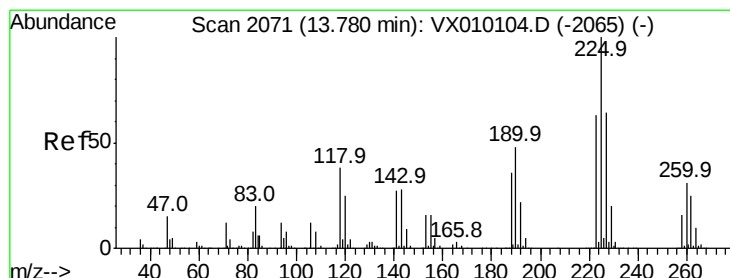
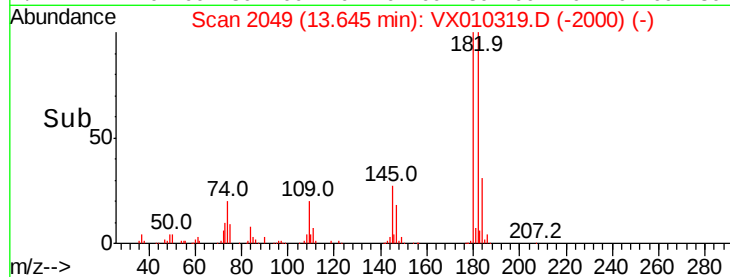
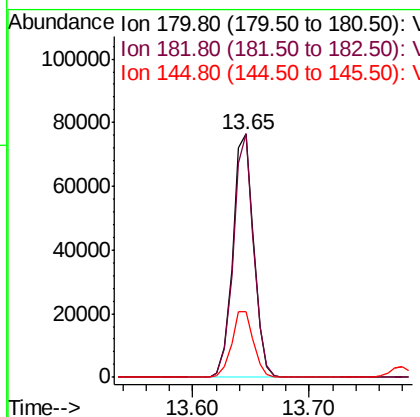
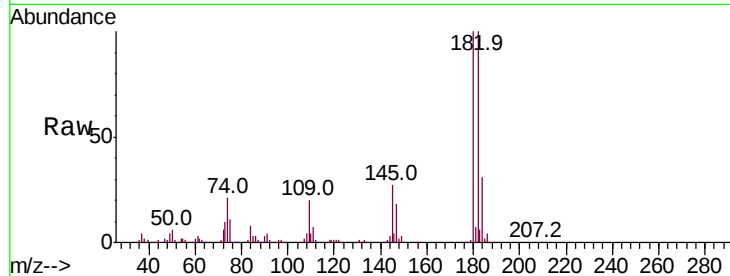
#93
 1,2,4-Trichlorobenzene
 Concen: 19.018 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010319.D
 Acq: 17 Jun 2019 13:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0617WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	95544		
182	96.3	47.4	142.2	
145	27.9	14.5	43.5	

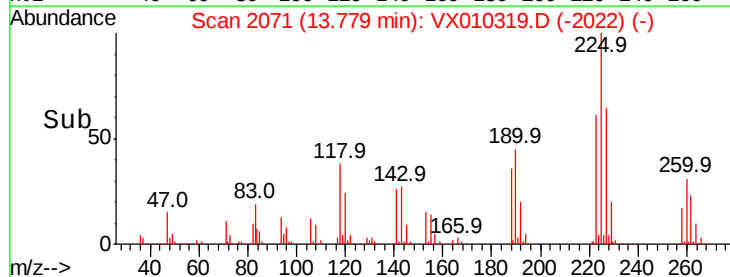
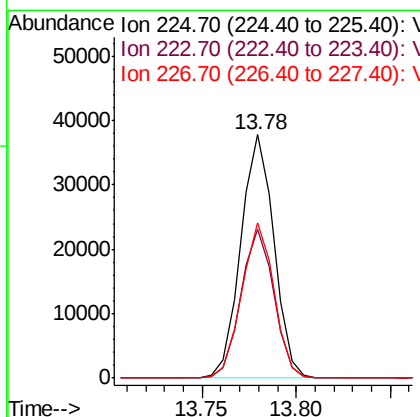
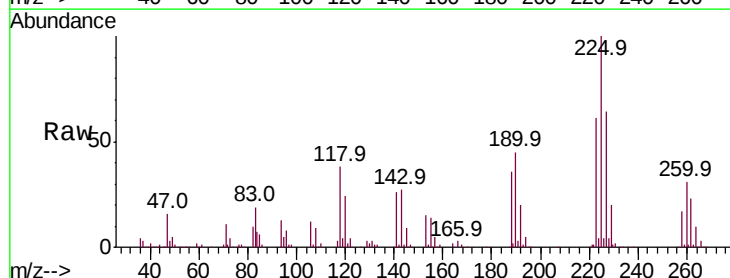
Manual Integrations
 APPROVED

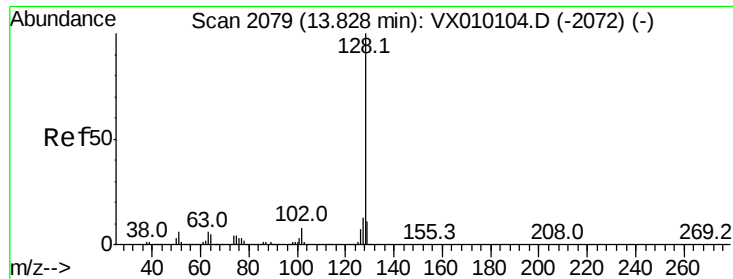
MMDadoda
 6/18/2019 11:26:30 AM



#94
 Hexachlorobutadiene
 Concen: 20.540 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX010319.D
 Acq: 17 Jun 2019 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	45892		
223	61.1	31.3	93.8	
227	62.4	32.3	96.8	





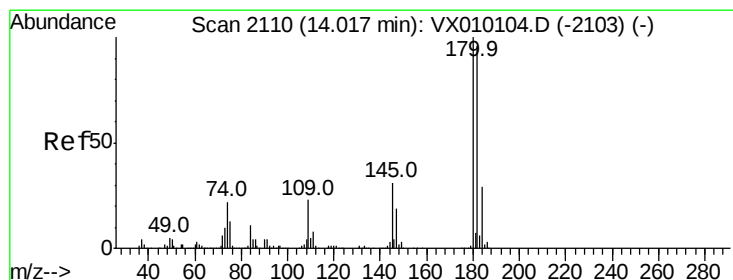
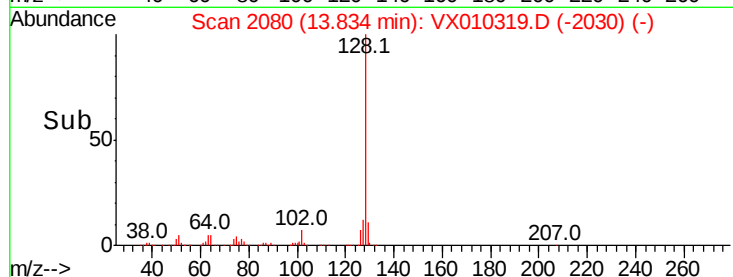
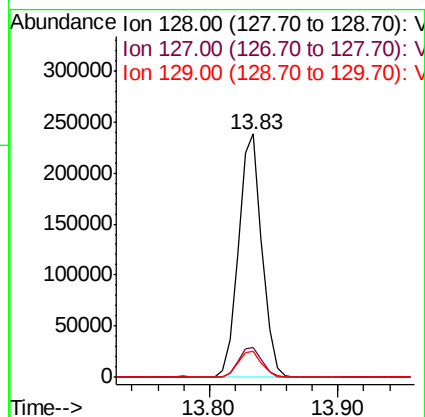
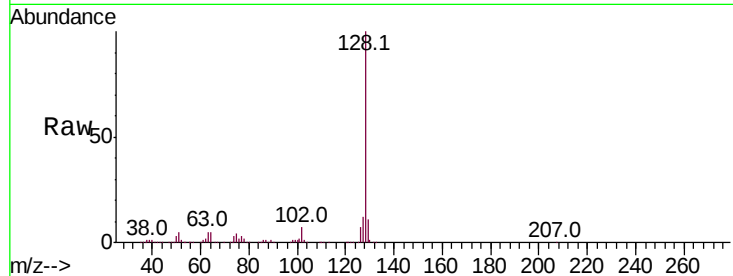
#95
Naphthalene
Concen: 18.949 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.01 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0617WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	299664		
127	12.5		10.6	16.0
129	10.9		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/18/2019 11:26:30 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.418 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX010319.D
Acq: 17 Jun 2019 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	96453		
182	95.2		47.3	142.0
145	30.2		15.6	46.7

