

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061019\
 Data File : VX010192.D
 Acq On : 10 Jun 2019 20:50
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda

Quant Time: Jun 11 07:58:05 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) 6/11/2019 11:54:03 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	246263	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	374721	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	343946	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	179719	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	119327	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
35) Dibromofluoromethane	5.50	113	119224	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
50) Toluene-d8	8.71	98	452837	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
62) 4-Bromofluorobenzene	11.13	95	170474	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	118839	52.445	ug/l	99
3) Chloromethane	1.32	50	113262	50.330	ug/l	96
4) Vinyl Chloride	1.41	62	120211	56.837	ug/l	99
5) Bromomethane	1.64	94	46647	58.446	ug/l	98
6) Chloroethane	1.71	64	66914	62.750	ug/l	98
7) Trichlorofluoromethane	1.92	101	182271	58.016	ug/l	99
8) Diethyl Ether	2.19	74	62292	57.526	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	2.38	101	105555	48.741	ug/l	91
10) Methyl Iodide	2.51	142	170994	50.961	ug/l	96
11) Tert butyl alcohol	3.05	59	147618	250.682	ug/l	100
12) 1,1-Dichloroethene	2.37	96	108374	48.994	ug/l #	75
13) Acrolein	2.29	56	34679	322.974	ug/l	99
14) Allyl chloride	2.73	41	157426	47.149	ug/l #	89
15) Acrylonitrile	3.14	53	308604	256.394	ug/l	98
16) Acetone	2.45	43	253516	224.230	ug/l #	87
17) Carbon Disulfide	2.57	76	288299	45.108	ug/l	98
18) Methyl Acetate	2.78	43	123849	49.810	ug/l #	81
19) Methyl tert-butyl Ether	3.20	73	349188	49.137	ug/l	93
20) Methylene Chloride	2.85	84	120047	48.348	ug/l #	77
21) trans-1,2-Dichloroethene	3.17	96	115049	46.999	ug/l #	78
22) Diisopropyl ether	3.85	45	324531	50.837	ug/l #	89
23) Vinyl Acetate	3.81	43	1437412	252.397	ug/l #	88
24) 1,1-Dichloroethane	3.70	63	189665	48.934	ug/l #	93
25) 2-Butanone	4.67	43	422498	250.952	ug/l #	82
26) 2,2-Dichloropropane	4.59	77	145599	41.176	ug/l	91
27) cis-1,2-Dichloroethene	4.59	96	136178	50.006	ug/l	76
28) Bromochloromethane	5.01	49	72061	41.483	ug/l #	48
29) Tetrahydrofuran	5.13	42	272959	257.982	ug/l #	75
30) Chloroform	5.21	83	198876	49.406	ug/l	98
31) Cyclohexane	5.58	56	174913	50.002	ug/l #	78
32) 1,1,1-Trichloroethane	5.49	97	179376	47.401	ug/l	93
36) 1,1-Dichloropropene	5.80	75	144678	47.324	ug/l	92
37) Ethyl Acetate	4.84	43	157100	49.389	ug/l #	90
38) Carbon Tetrachloride	5.78	117	164323	47.488	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061019\
 Data File : VX010192.D
 Acq On : 10 Jun 2019 20:50
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda

Quant Time: Jun 11 07:58:05 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)	6/11/2019 11:54:03 AM
39) Methylcyclohexane	7.46	83	195463	46.954	ug/l #	82	
40) Benzene	6.14	78	474590	50.204	ug/l	99	
41) Methacrylonitrile	5.04	41	83176	48.340	ug/l #	81	
42) 1,2-Dichloroethane	6.20	62	142707	47.286	ug/l	92	
43) Isopropyl Acetate	6.45	43	261115	49.096	ug/l #	89	
44) Trichloroethene	7.21	130	138868	48.734	ug/l	87	
45) 1,2-Dichloropropane	7.51	63	118092	49.910	ug/l	98	
46) Dibromomethane	7.66	93	84591	47.721	ug/l	90	
47) Bromodichloromethane	7.90	83	160820	48.552	ug/l #	98	
48) Methyl methacrylate	7.77	41	123439	49.628	ug/l #	76	
49) 1,4-Dioxane	7.74	88	71612	1009.831	ug/l #	79	
51) 4-Methyl-2-Pentanone	8.64	43	843030	265.336	ug/l	89	
52) Toluene	8.79	92	309484	49.804	ug/l	99	
53) t-1,3-Dichloropropene	9.04	75	179565	46.868	ug/l	98	
54) cis-1,3-Dichloropropene	8.43	75	195535	47.607	ug/l #	88	
55) 1,1,2-Trichloroethane	9.21	97	129644	50.942	ug/l	95	
56) Ethyl methacrylate	9.18	69	202790	50.444	ug/l #	82	
57) 1,3-Dichloropropane	9.37	76	201468	50.284	ug/l	99	
58) 2-Chloroethyl Vinyl ether	8.31	63	459246	242.323	ug/l #	86	
59) 2-Hexanone	9.49	43	667134	263.353	ug/l	87	
60) Dibromochloromethane	9.58	129	149479	49.657	ug/l	99	
61) 1,2-Dibromoethane	9.67	107	141399	49.887	ug/l	100	
64) Tetrachloroethene	9.34	164	125356	49.072	ug/l	96	
65) Chlorobenzene	10.14	112	353082	49.738	ug/l	99	
66) 1,1,1,2-Tetrachloroethane	10.22	131	134765	49.366	ug/l	100	
67) Ethyl Benzene	10.25	91	599131	49.578	ug/l	94	
68) m/p-Xylenes	10.36	106	466889	99.840	ug/l	90	
69) o-Xylene	10.69	106	232663	50.051	ug/l	89	
70) Styrene	10.71	104	399501	50.743	ug/l	94	
71) Bromoform	10.85	173	125170	49.876	ug/l #	98	
73) Isopropylbenzene	11.02	105	605641	48.275	ug/l	95	
74) N-amyl acetate	10.90	43	243155	49.031	ug/l #	89	
75) 1,1,2,2-Tetrachloroethane	11.27	83	211927	49.349	ug/l	99	
76) 1,2,3-Trichloropropane	11.29	75	172371m	47.951	ug/l		
77) Bromobenzene	11.26	156	168110	48.728	ug/l	80	
78) n-propylbenzene	11.36	91	676018	48.402	ug/l	94	
79) 2-Chlorotoluene	11.42	91	399045	47.571	ug/l	90	
80) 1,3,5-Trimethylbenzene	11.51	105	510207	48.284	ug/l	97	
81) trans-1,4-Dichloro-2-buten	11.07	75	74995	46.094	ug/l #	84	
82) 4-Chlorotoluene	11.51	91	457680	48.030	ug/l	91	
83) tert-Butylbenzene	11.77	119	517370	48.375	ug/l	93	
84) 1,2,4-Trimethylbenzene	11.80	105	515691	48.316	ug/l	96	
85) sec-Butylbenzene	11.94	105	596750	47.893	ug/l	95	
86) p-Isopropyltoluene	12.06	119	551761	48.439	ug/l	97	
87) 1,3-Dichlorobenzene	12.02	146	297129	48.895	ug/l	98	
88) 1,4-Dichlorobenzene	12.10	146	292067	47.678	ug/l	98	
89) n-Butylbenzene	12.38	91	467905	47.721	ug/l	96	
90) Hexachloroethane	12.59	117	106895	47.109	ug/l	99	
91) 1,2-Dichlorobenzene	12.39	146	294375	49.828	ug/l	98	
92) 1,2-Dibromo-3-Chloropropan	13.00	75	45577	45.101	ug/l	63	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061019\
Data File : VX010192.D
Acq On : 10 Jun 2019 20:50
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

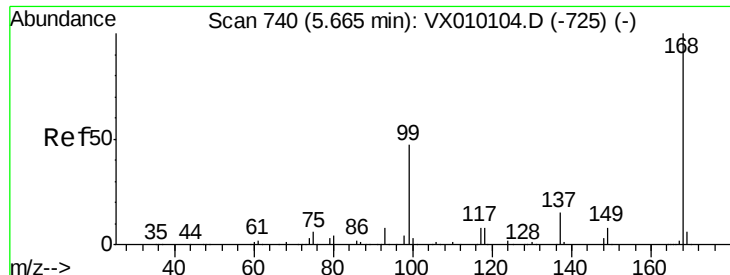
Manual Integrations
APPROVED

MMDadoda

Quant Time: Jun 11 07:58:05 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)	6/11/2019 11:54:03 AM
93) 1,2,4-Trichlorobenzene	13.65	180	205758	47.580	ug/l	99	
94) Hexachlorobutadiene	13.78	225	96323	50.084	ug/l	99	
95) Naphthalene	13.83	128	661067	48.562	ug/l	99	
96) 1,2,3-Trichlorobenzene	14.02	180	205002	47.945	ug/l	99	

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 246263

Ion Ratio Lower Upper

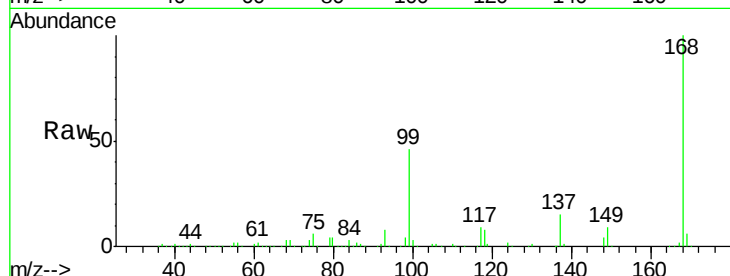
168 100

99 46.3 43.0 64.6

Manual Integrations

APPROVED

MMDadoda



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

40000

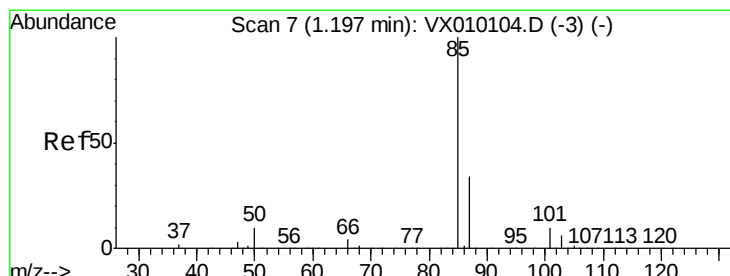
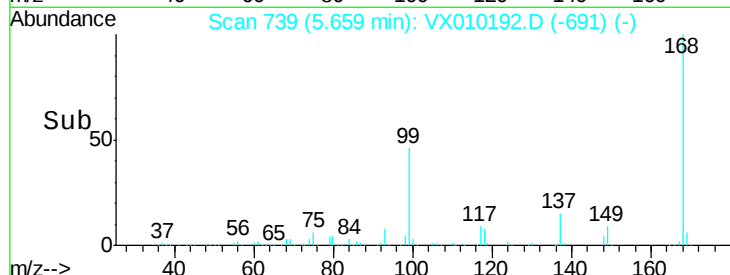
20000

0

5.60 5.70 5.80

Time-->

6/11/2019 11:54:03 AM



#2

Dichlorodifluoromethane

Concen: 52.445 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX010192.D

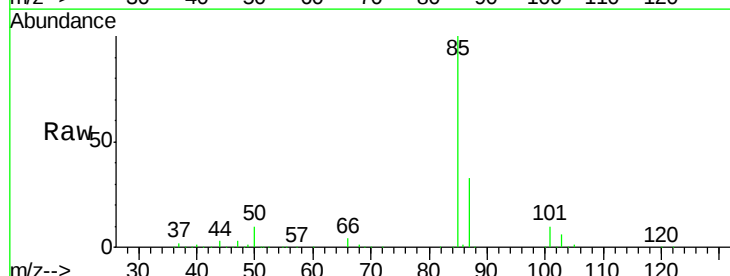
Acq: 10 Jun 2019 20:50

Tgt Ion: 85 Resp: 118839

Ion Ratio Lower Upper

85 100

87 32.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

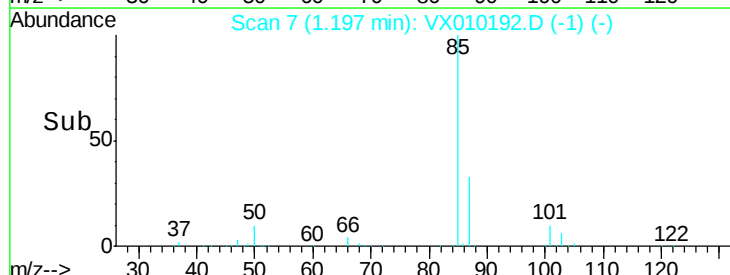
100000

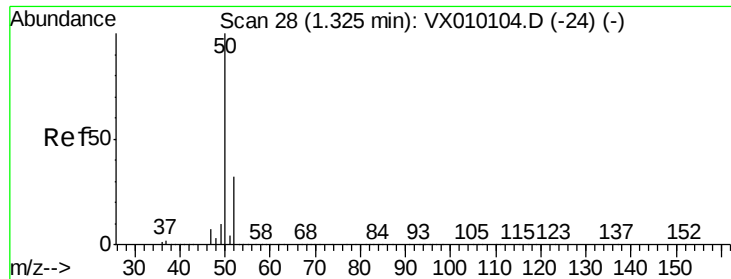
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 50.330 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 113262

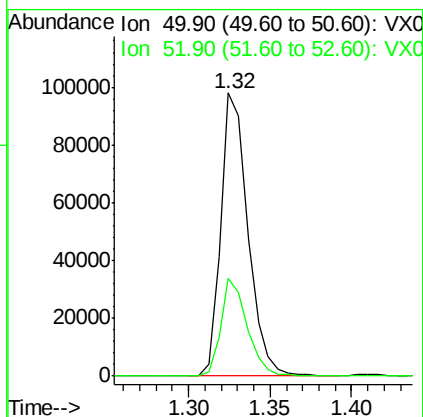
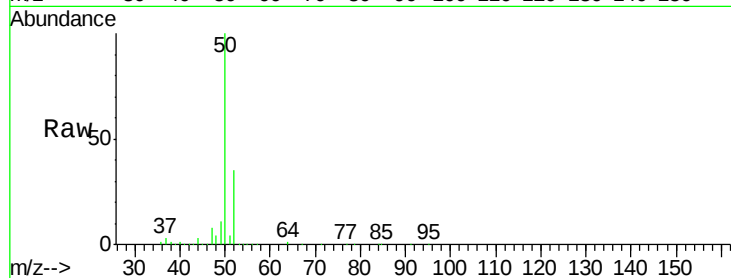
Ion Ratio Lower Upper

50 100

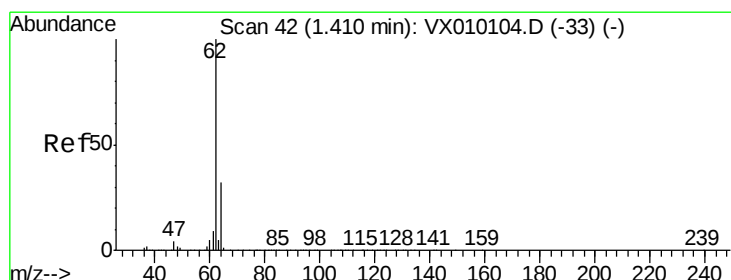
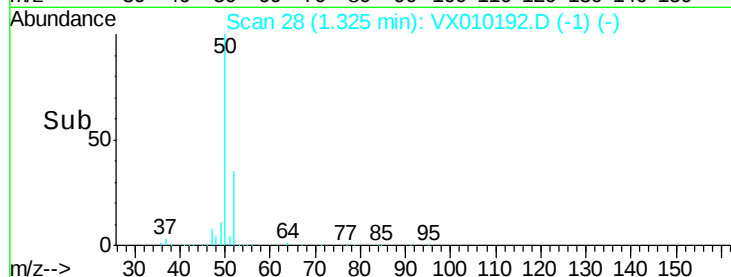
52 34.6 26.0 39.0

Manual Integrations
APPROVED

MMDadoda



6/11/2019 11:54:03 AM



#4

Vinyl Chloride

Concen: 56.837 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010192.D

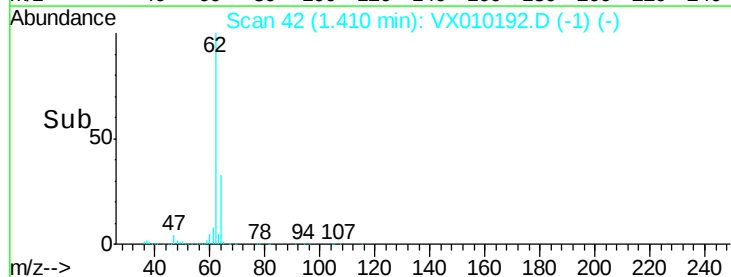
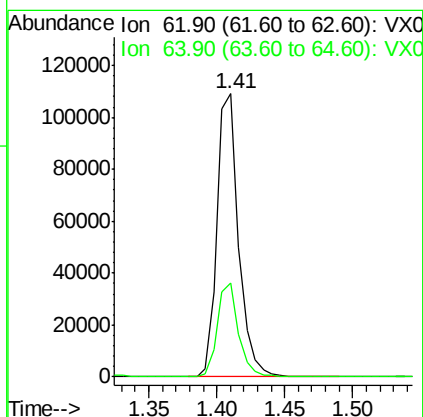
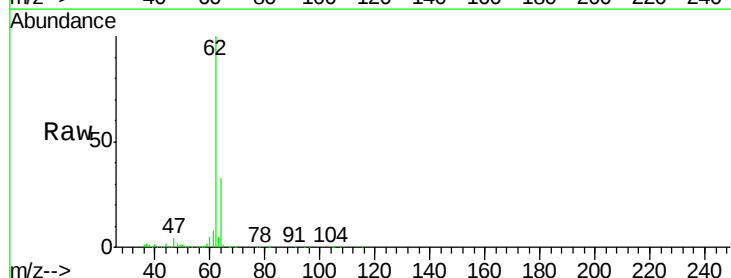
Acq: 10 Jun 2019 20:50

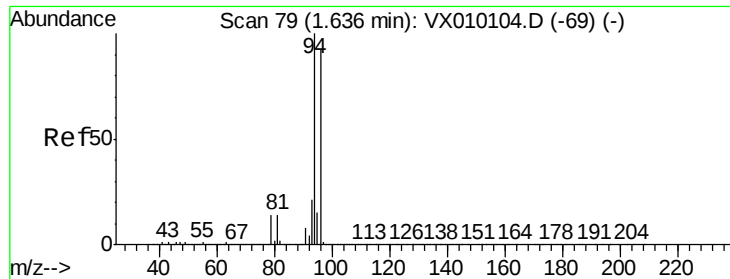
Tgt Ion: 62 Resp: 120211

Ion Ratio Lower Upper

62 100

64 32.9 25.7 38.5





#5

Bromomethane

Concen: 58.446 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

Tot Ion: 94 Resp: 46647

Ion Ratio Lower Upper

94 100

96 93.5 76.2 114.4

Instrument :

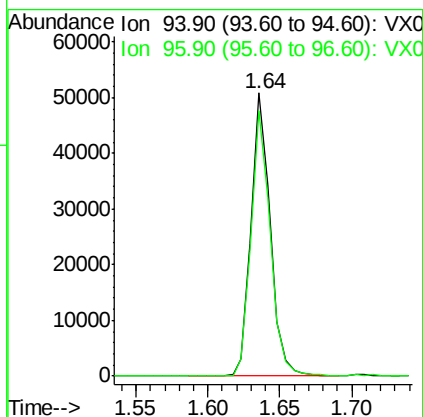
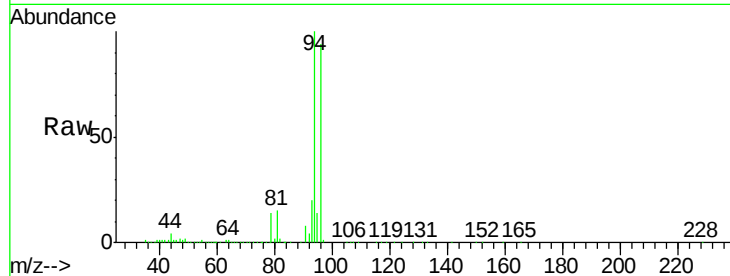
MSVOA_X

ClientSampleId :

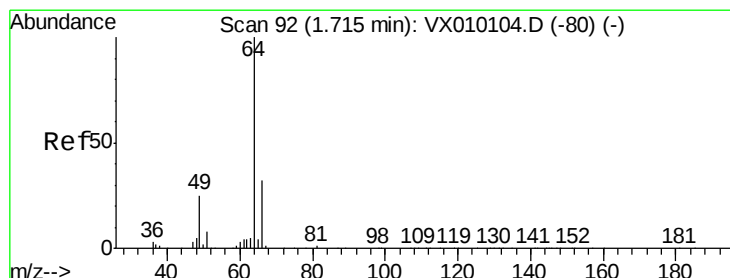
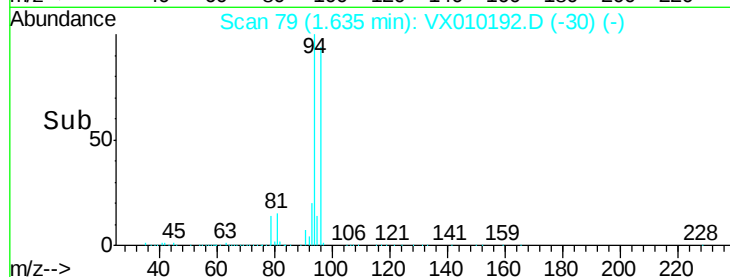
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda



6/11/2019 11:54:03 AM



#6

Chloroethane

Concen: 62.750 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010192.D

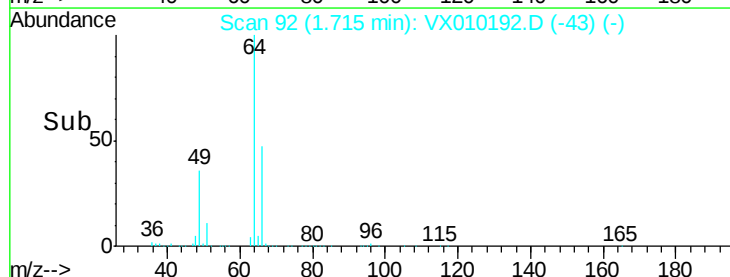
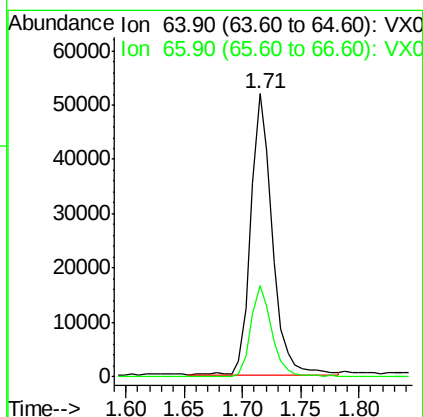
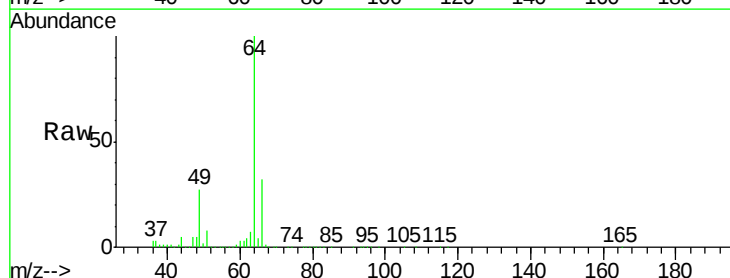
Acq: 10 Jun 2019 20:50

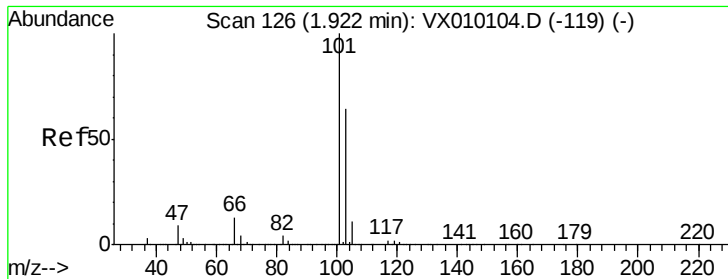
Tgt Ion: 64 Resp: 66914

Ion Ratio Lower Upper

64 100

66 32.4 25.1 37.7





#7

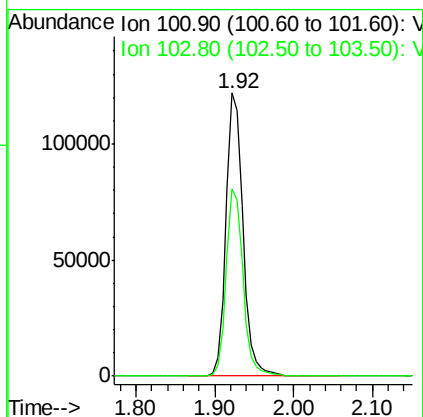
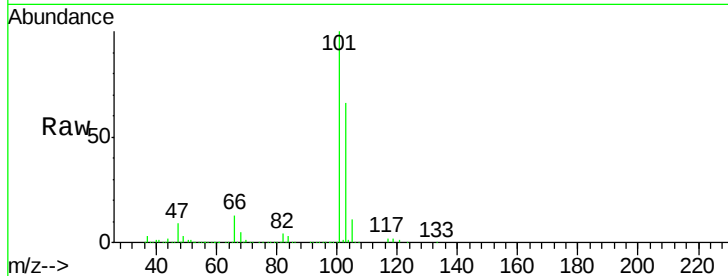
Trichlorofluoromethane
Concen: 58.016 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX010192.D
Acq: 10 Jun 2019 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

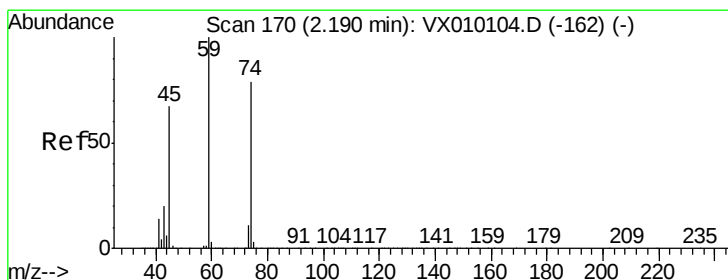
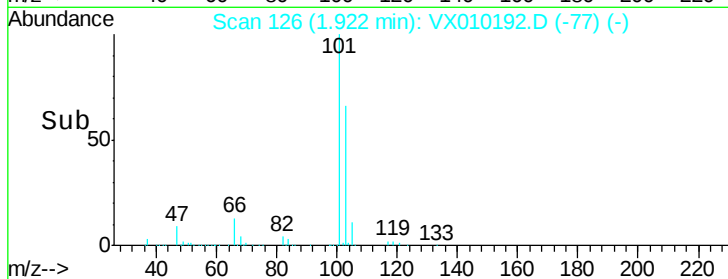
Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	52.2	78.4

Manual Integrations
APPROVED

MMDadoda



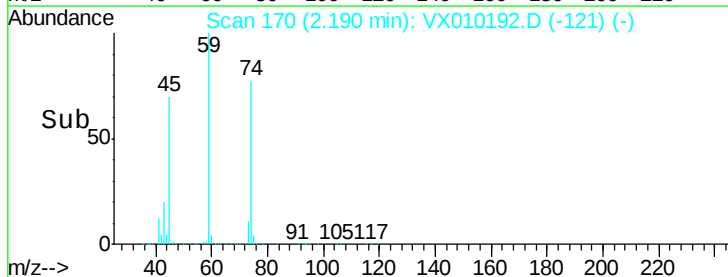
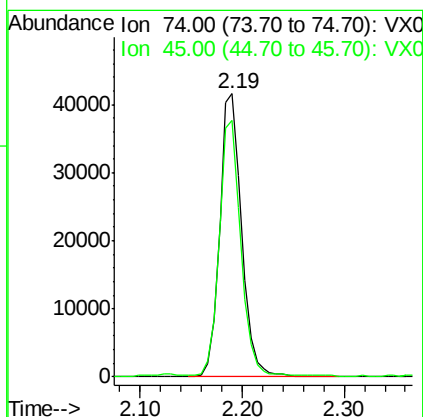
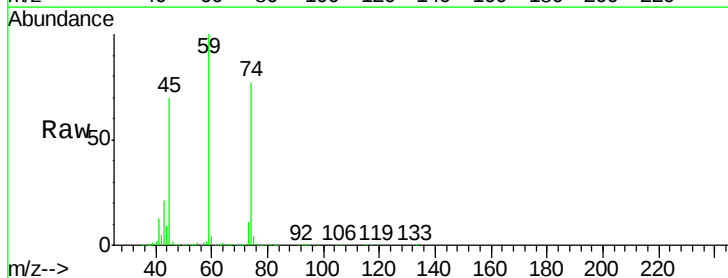
6/11/2019 11:54:03 AM

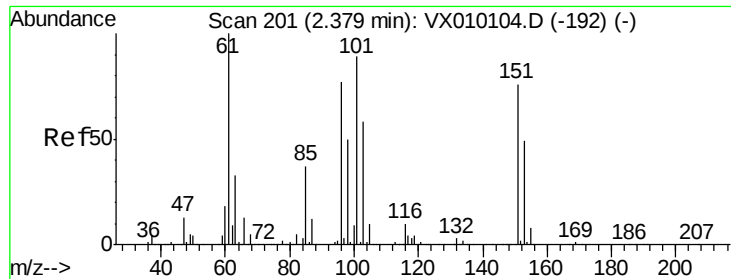


#8

Diethyl Ether
Concen: 57.526 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX010192.D
Acq: 10 Jun 2019 20:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.2	56.1	168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.741 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

Instrument :

MSVOA_X

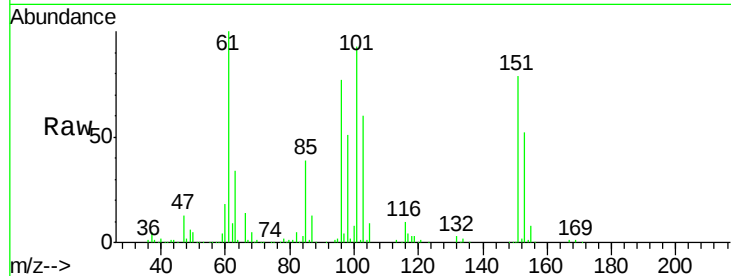
ClientSampleId :

VSTDCCC050EC

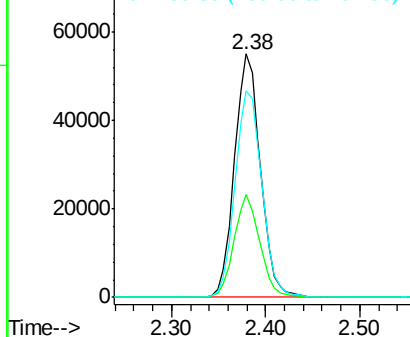
Tot Ion:	101	Resp:	105555
Ion Ratio	Lower	Upper	
101	100		
85	41.7	35.2	52.8
151	87.8	61.9	92.9

Manual Integrations
APPROVED

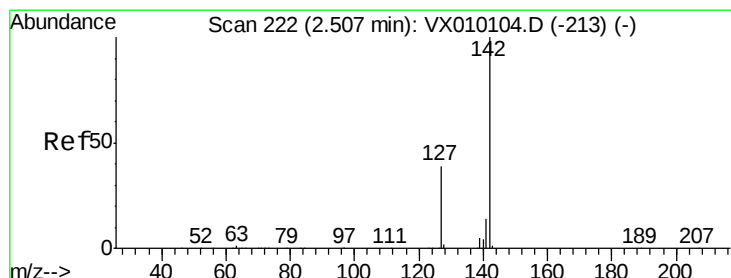
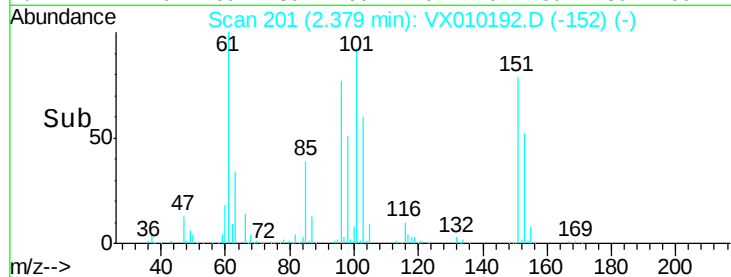
MMDadoda



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



6/11/2019 11:54:03 AM



#10

Methyl Iodide

Concen: 50.961 ug/l

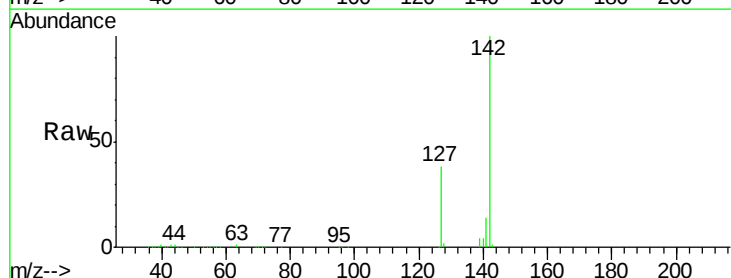
RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

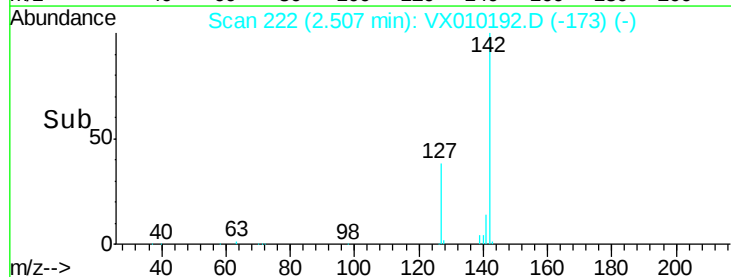
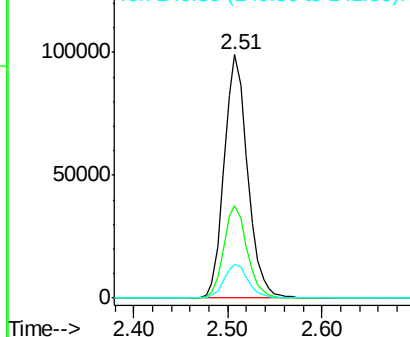
Lab File: VX010192.D

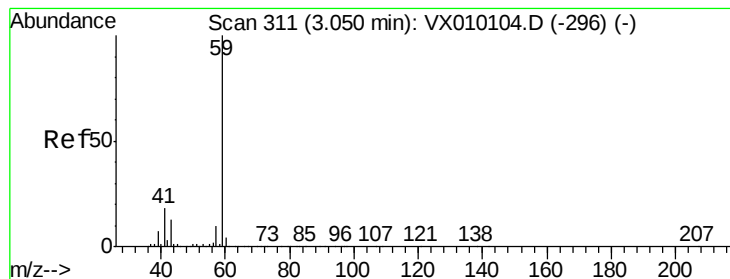
Acq: 10 Jun 2019 20:50

Tgt Ion:	142	Resp:	170994
Ion Ratio	Lower	Upper	
142	100		
127	38.2	33.0	49.4
141	14.3	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

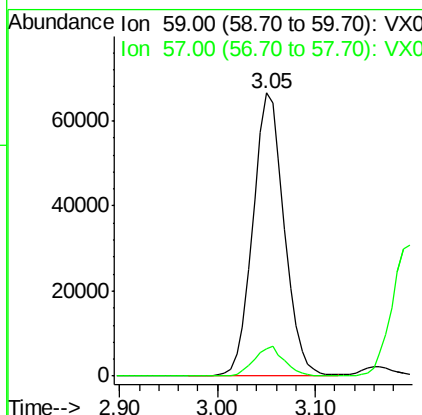
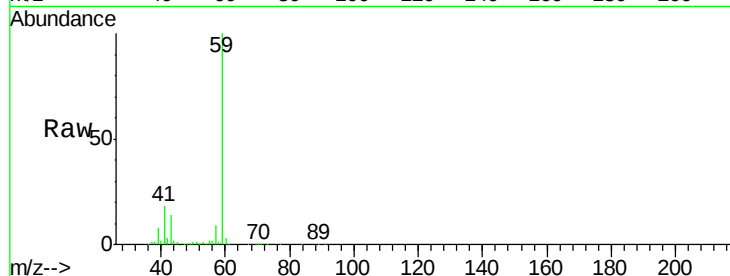
Tert butyl alcohol
Concen: 250.682 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX010192.D
Acq: 10 Jun 2019 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

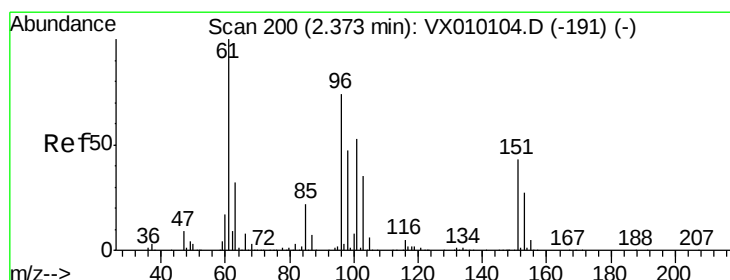
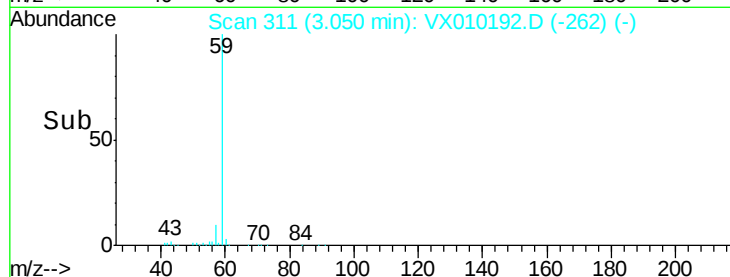
Tot Ion	59	57	Ratio	100	10.3	Resp	147618	Lower	8.2	Upper	12.2
Ion	59	57	Ratio	100	10.3	Resp	147618	Lower	8.2	Upper	12.2

Manual Integrations
APPROVED

MMDadoda



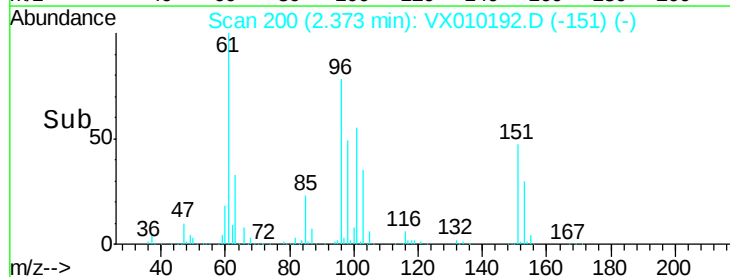
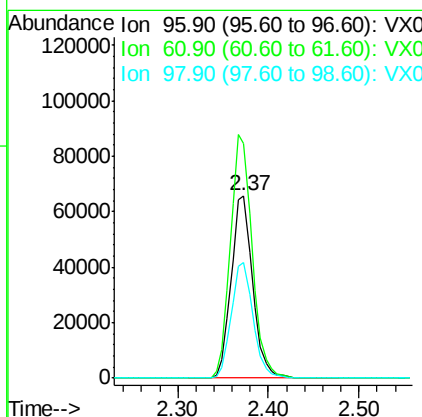
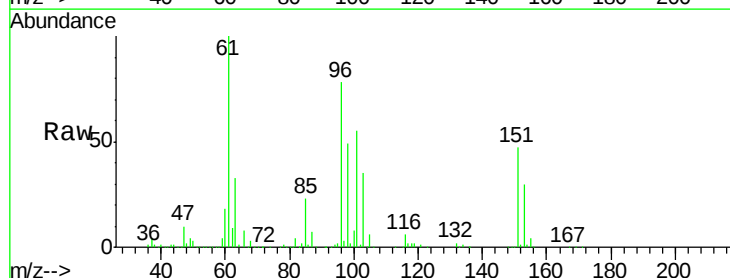
6/11/2019 11:54:03 AM

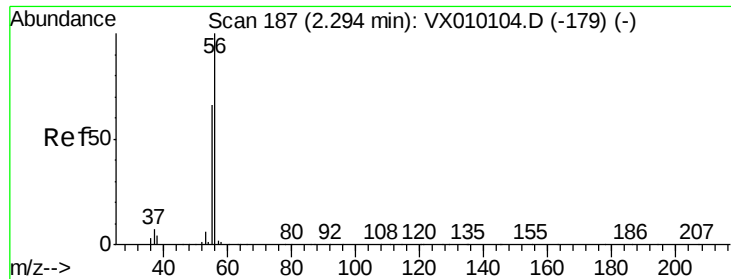


#12

1,1-Dichloroethene
Concen: 48.994 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX010192.D
Acq: 10 Jun 2019 20:50

Tgt Ion	96	61	98	Ratio	100	128.3	63.4	Resp	108374	Lower	140.7	50.1	Upper	211.1#	75.1
Ion	96	61	98	Ratio	100	128.3	63.4	Resp	108374	Lower	140.7	50.1	Upper	211.1#	75.1





#13

Acrolein

Concen: 322.974 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 34679

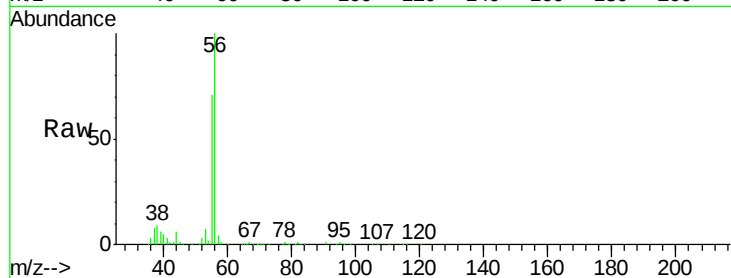
Ion Ratio Lower Upper

56 100

55 70.7 57.0 85.4

Manual Integrations
APPROVED

MMDadoda



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

25000

20000

15000

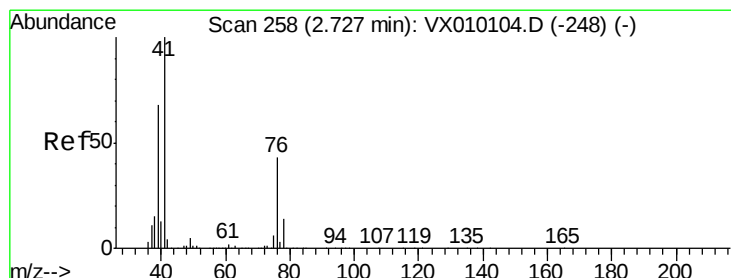
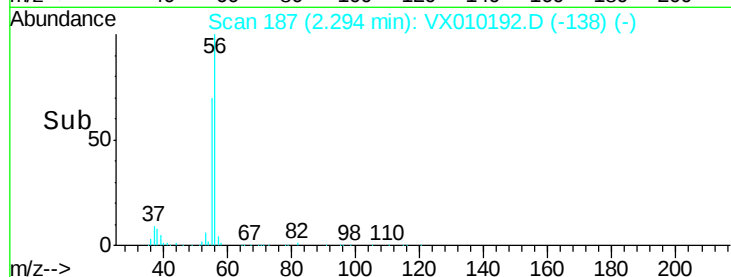
10000

5000

0

Time--> 2.20 2.25 2.30 2.35 2.40

6/11/2019 11:54:03 AM



#14

Allyl chloride

Concen: 47.149 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

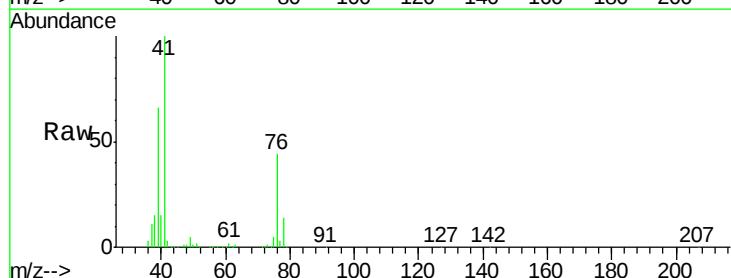
Tgt Ion: 41 Resp: 157426

Ion Ratio Lower Upper

41 100

39 61.6 46.7 70.1

76 39.9 21.0 31.4#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

100000

80000

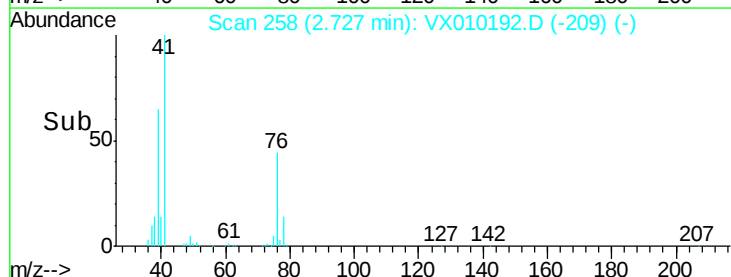
60000

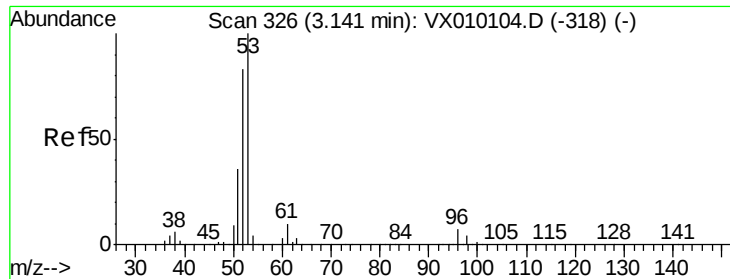
40000

20000

0

Time--> 2.60 2.70 2.80





#15

Acrylonitrile

Concen: 256.394 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

Instrument :

MSVOA_X

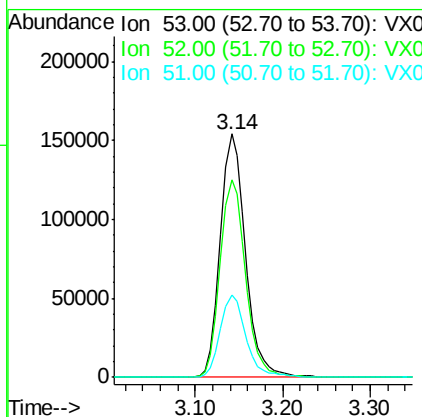
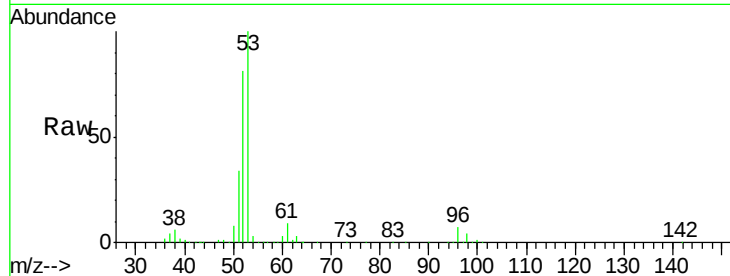
ClientSampleId :

VSTDCCC050EC

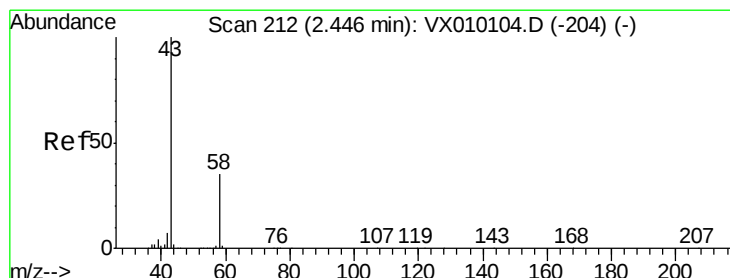
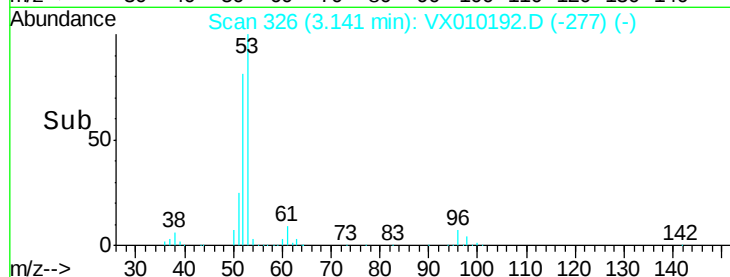
Tot Ion:	53	Resp:	308604
Ion Ratio	Lower	Upper	
53	100		
52	82.2	66.7	100.1
51	34.5	28.8	43.2

Manual Integrations
APPROVED

MMDadoda



6/11/2019 11:54:03 AM



#16

Acetone

Concen: 224.230 ug/l

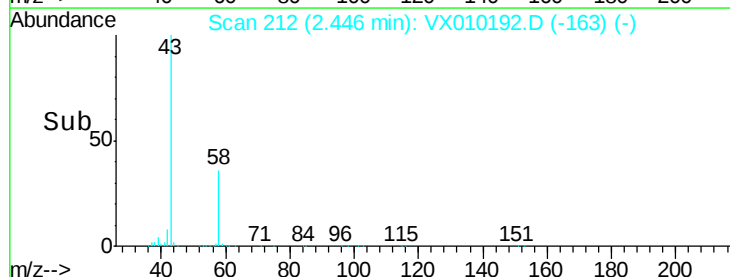
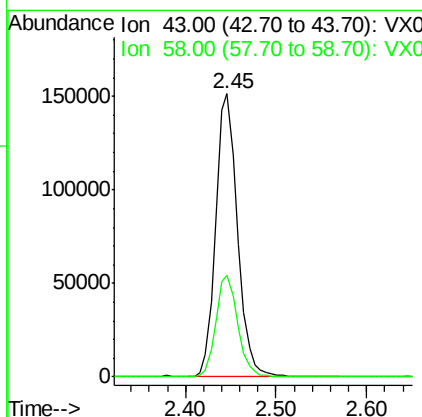
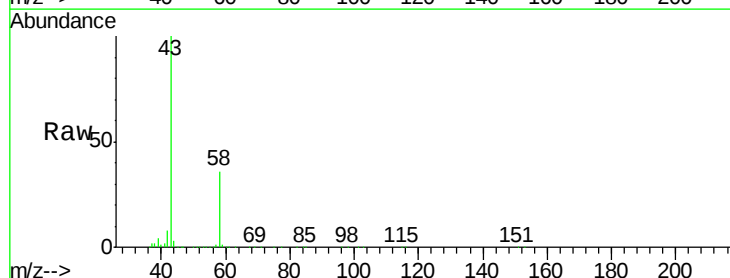
RT: 2.45 min Scan# 212

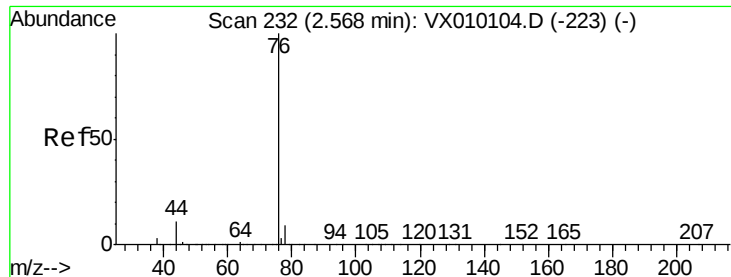
Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

Tgt Ion:	43	Resp:	253516
Ion Ratio	Lower	Upper	
43	100		
58	35.9	23.2	34.8#





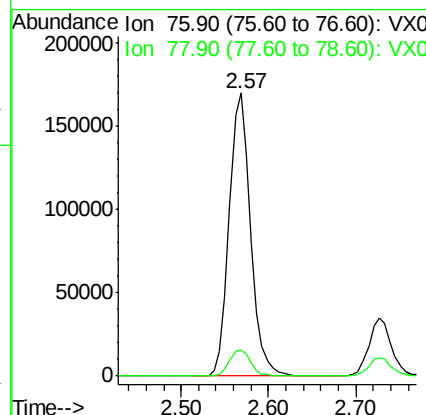
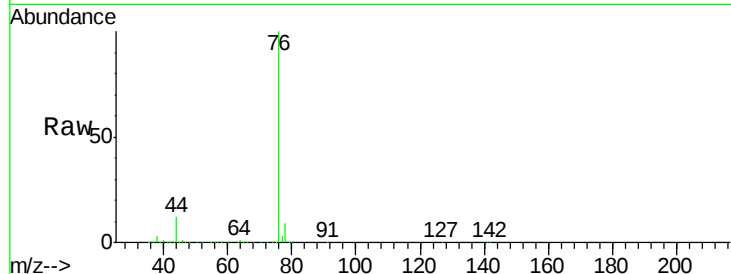
#17
Carbon Disulfide
Concen: 45.108 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX010192.D
Acq: 10 Jun 2019 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

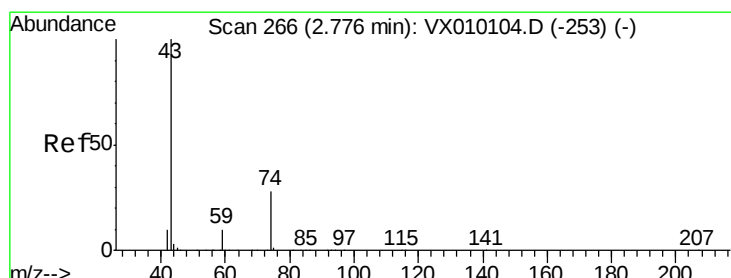
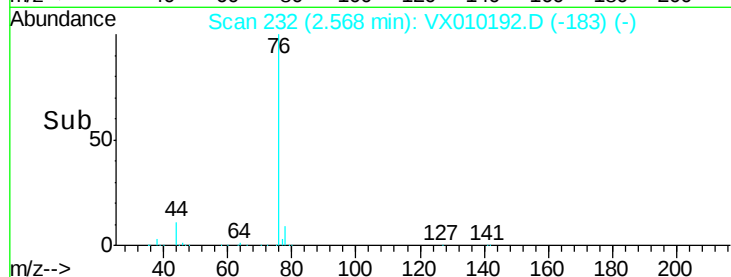
Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.6

Manual Integrations
APPROVED

MMDadoda

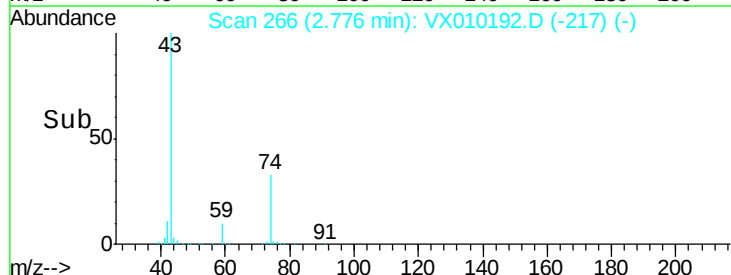
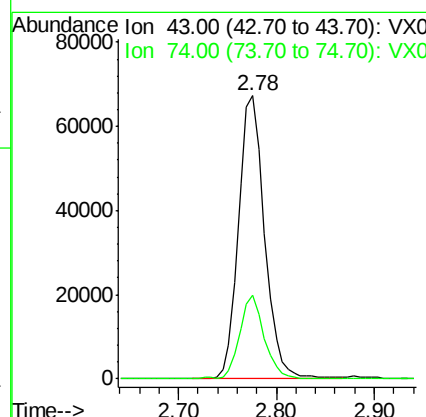
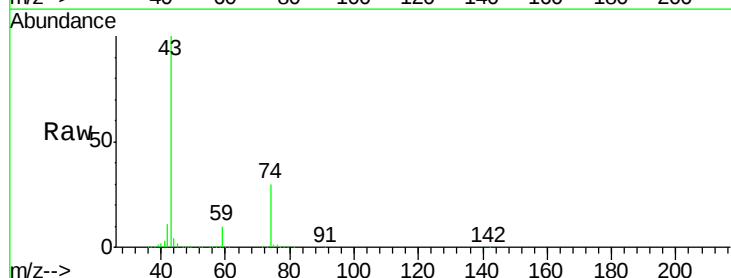


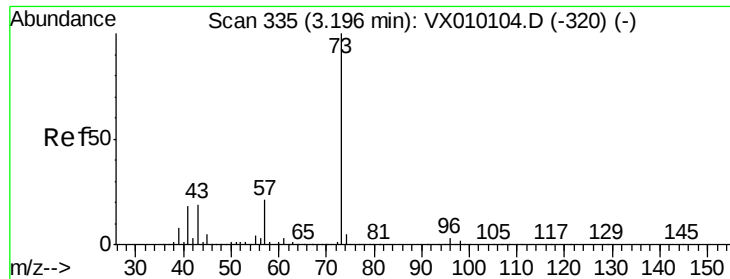
6/11/2019 11:54:03 AM



#18
Methyl Acetate
Concen: 49.810 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX010192.D
Acq: 10 Jun 2019 20:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.3	15.8	23.6#





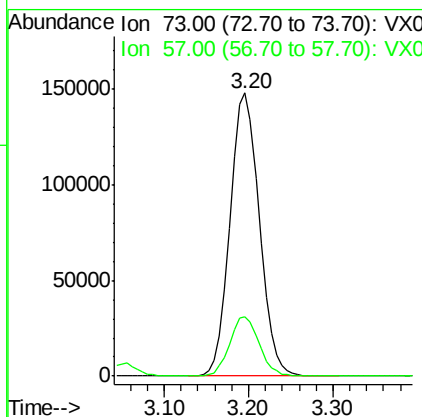
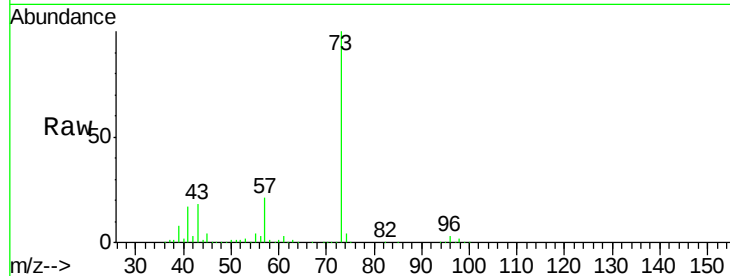
#19
Methyl tert-butyl Ether
Concen: 49.137 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010192.D
Acq: 10 Jun 2019 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

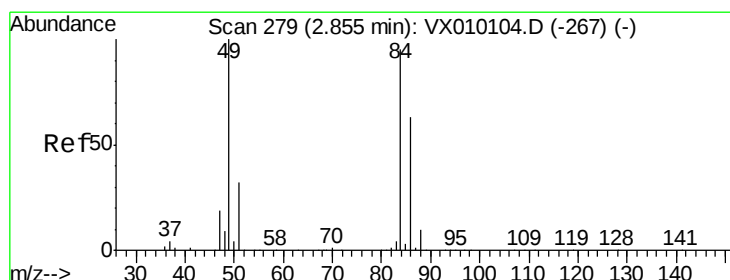
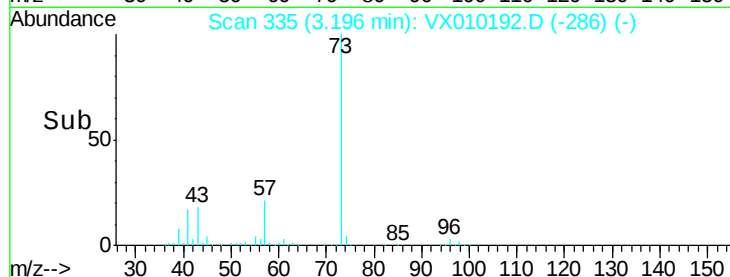
Tot Ion	Ratio	Lower	Upper
73	100		
57	20.8	19.4	29.2

Manual Integrations
APPROVED

MMDadoda

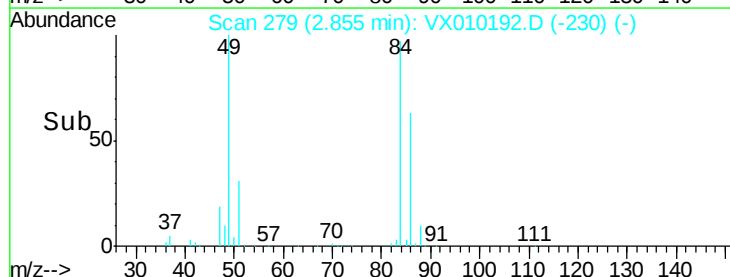
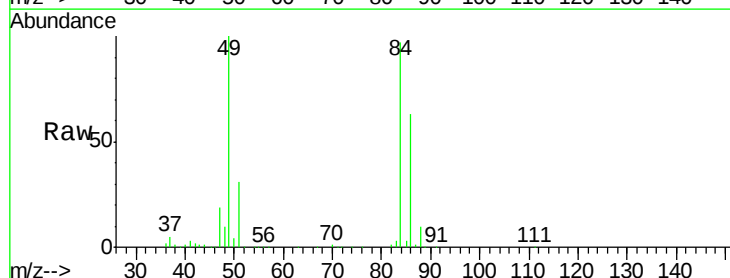
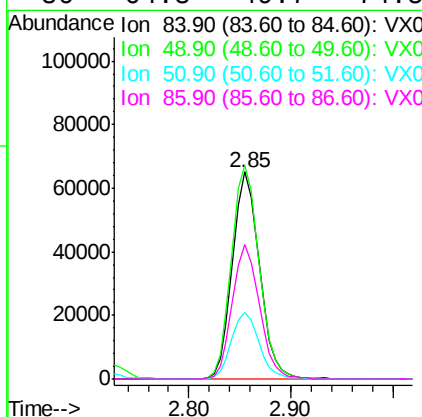


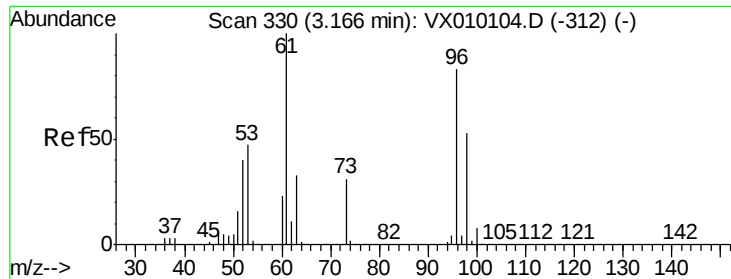
6/11/2019 11:54:03 AM



#20
Methylene Chloride
Concen: 48.348 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010192.D
Acq: 10 Jun 2019 20:50

Tgt Ion	Ratio	Lower	Upper
84	100		
49	103.2	115.8	173.6#
51	32.3	34.4	51.6#
86	64.8	49.7	74.5





#21

trans-1,2-Dichloroethene

Concen: 46.999 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 115049

Ion Ratio Lower Upper

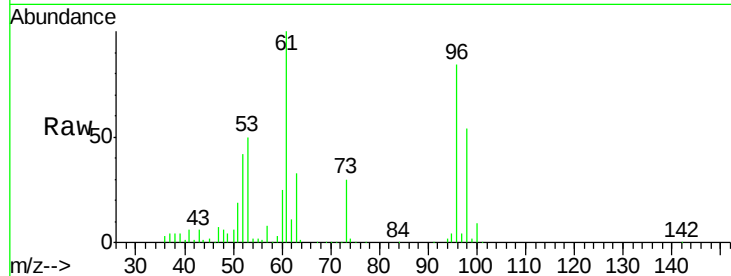
96 100

61 118.9 125.7 188.5#

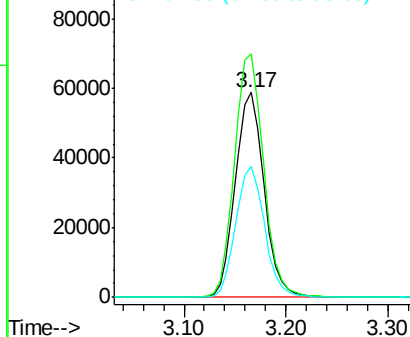
98 64.0 49.0 73.6

Manual Integrations
APPROVED

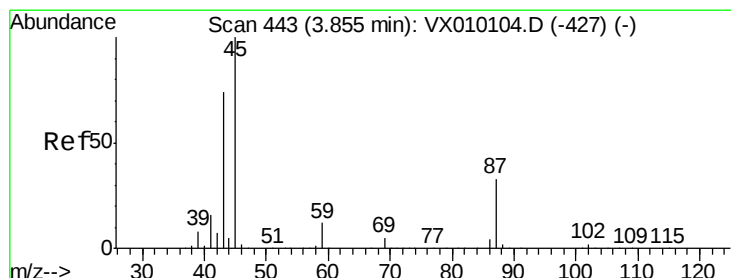
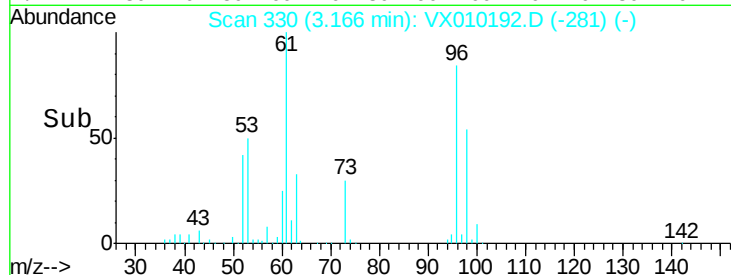
MMDadoda



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



6/11/2019 11:54:03 AM



#22

Diisopropyl ether

Concen: 50.837 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

Tgt Ion: 45 Resp: 324531

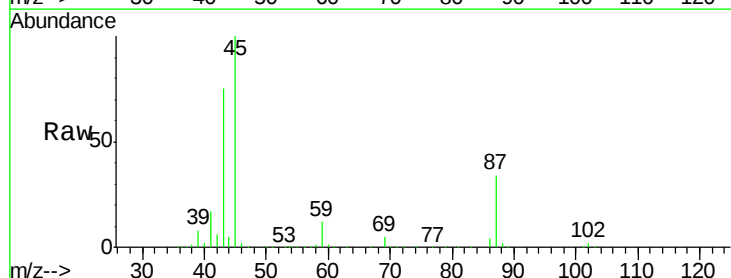
Ion Ratio Lower Upper

45 100

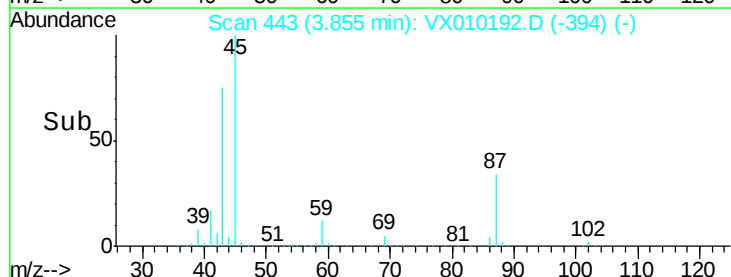
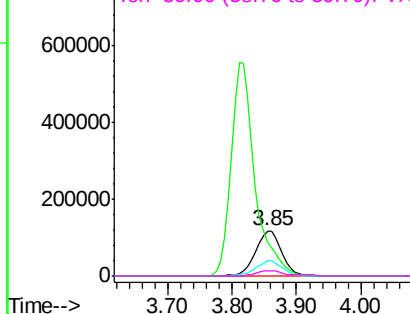
43 74.8 65.0 97.4

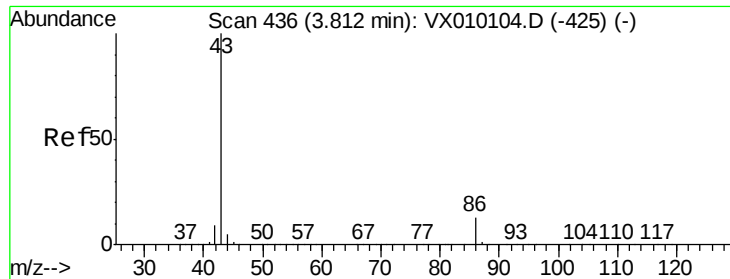
87 33.5 17.3 25.9#

59 12.3 8.1 12.1#



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 252.397 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1437412

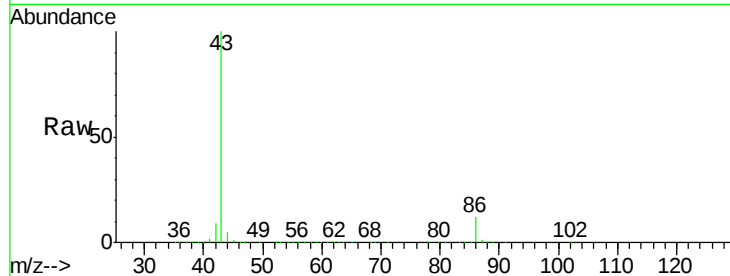
Ion Ratio Lower Upper

43 100

86 12.3 6.5 9.7#

Manual Integrations
APPROVED

MMDadoda



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

600000

500000

400000

300000

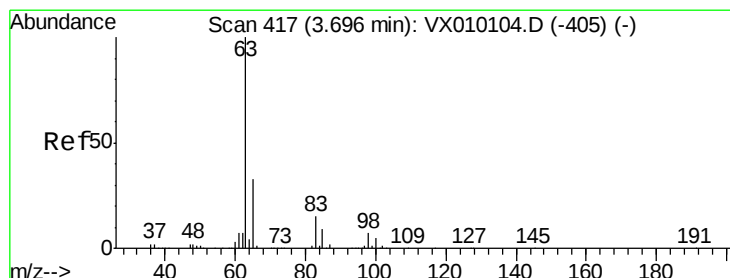
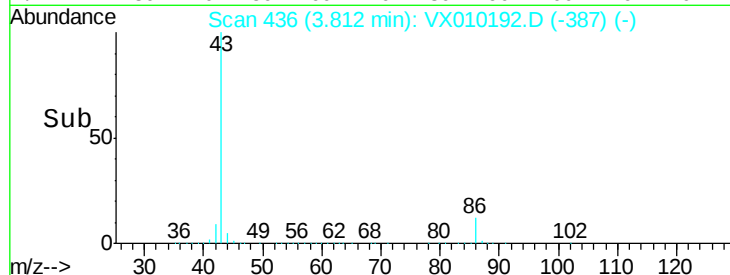
200000

100000

0

Time--> 3.60 3.70 3.80 3.90 4.00

6/11/2019 11:54:03 AM



#24

1,1-Dichloroethane

Concen: 48.934 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

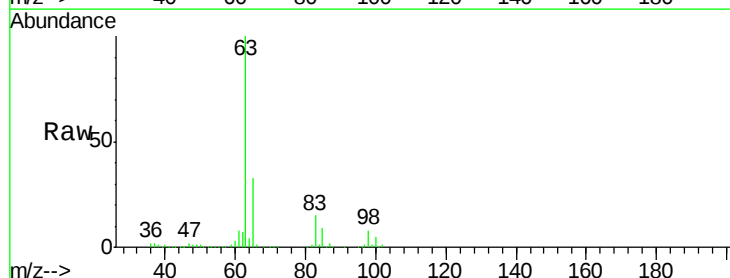
Tgt Ion: 63 Resp: 189665

Ion Ratio Lower Upper

63 100

98 8.3 2.9 8.8

100 5.4 1.8 5.4#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

100000

80000

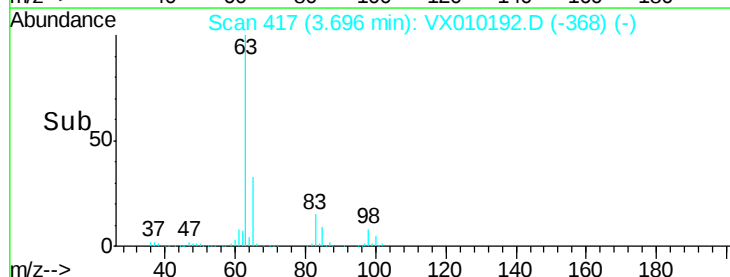
60000

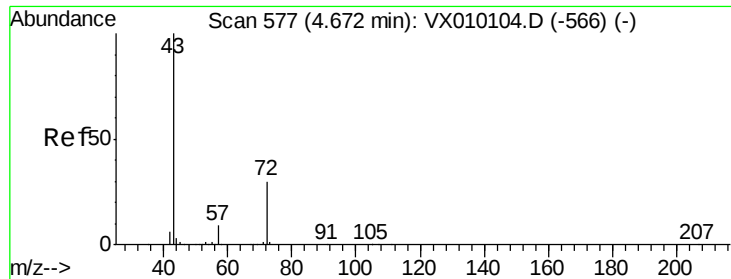
40000

20000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 250.952 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 422498

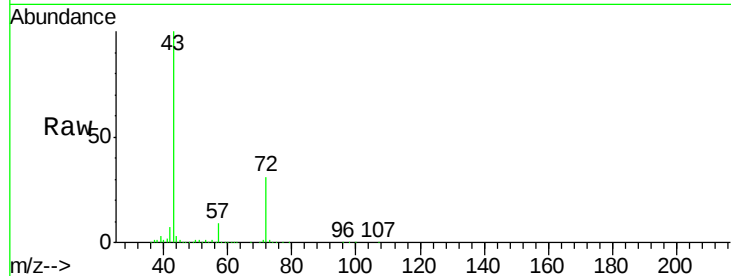
Ion Ratio Lower Upper

43 100

72 30.6 17.5 26.3#

Manual Integrations
APPROVED

MMDadoda



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

150000

100000

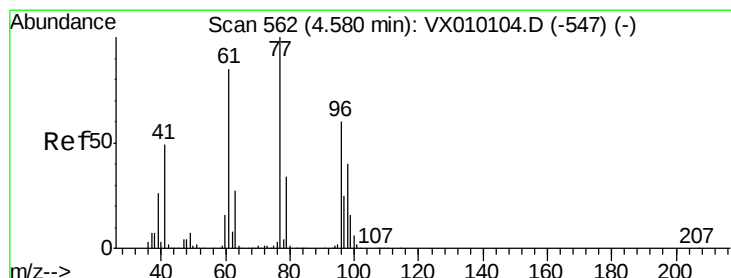
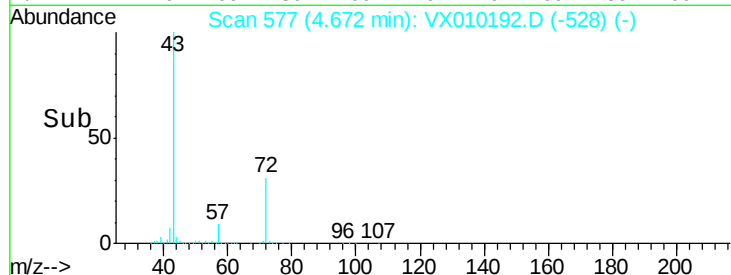
50000

0

4.60 4.70 4.80

Time-->

6/11/2019 11:54:03 AM



#26

2,2-Dichloropropane

Concen: 41.176 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010192.D

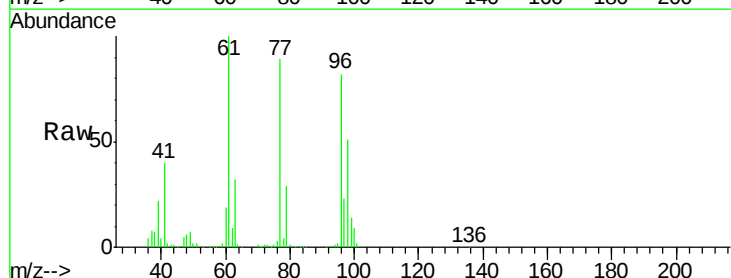
Acq: 10 Jun 2019 20:50

Tgt Ion: 77 Resp: 145599

Ion Ratio Lower Upper

77 100

97 27.0 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

50000

40000

30000

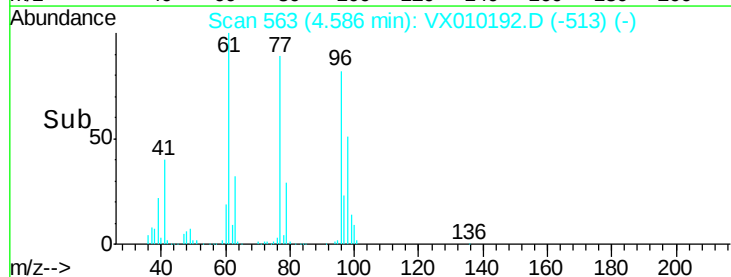
20000

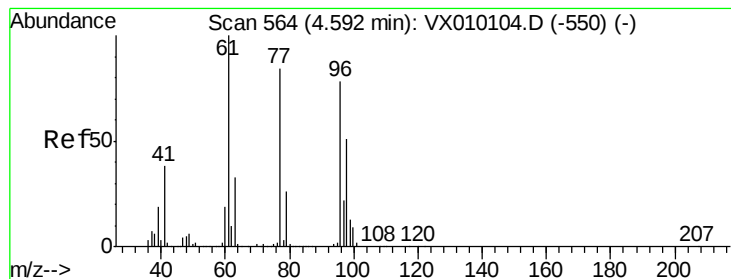
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

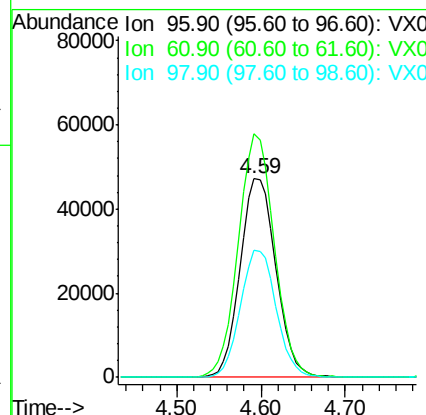
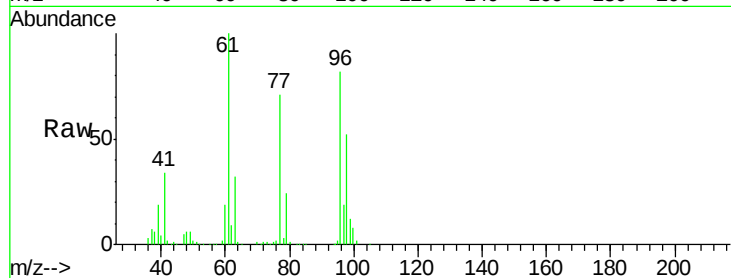
cis-1,2-Dichloroethene
Concen: 50.006 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX010192.D
Acq: 10 Jun 2019 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

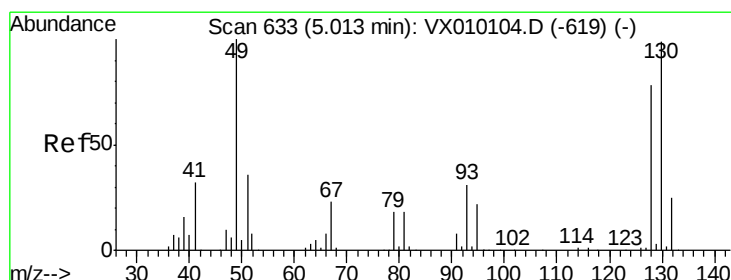
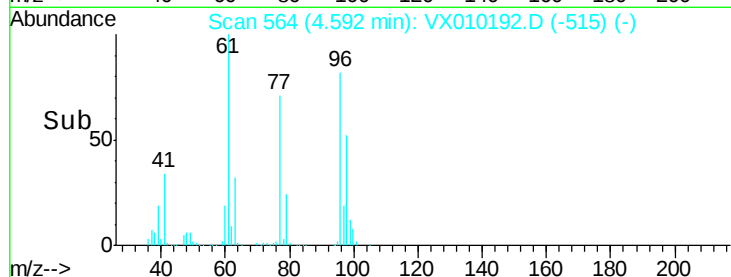
Tot Ion	Ratio	Lower	Upper
96	100		
61	123.7	0.0	334.0
98	64.1	0.0	131.6

Manual Integrations
APPROVED

MMDadoda



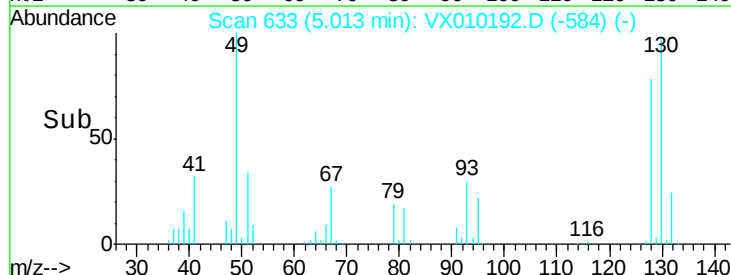
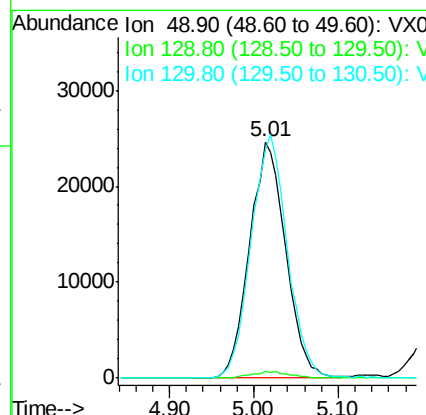
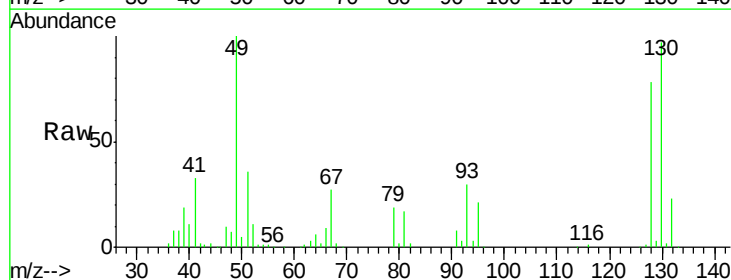
6/11/2019 11:54:03 AM

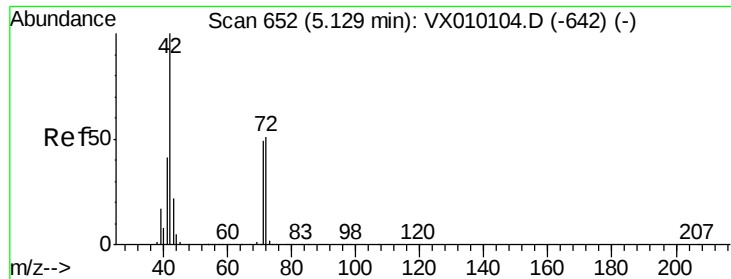


#28

Bromochloromethane
Concen: 41.483 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.00 min
Lab File: VX010192.D
Acq: 10 Jun 2019 20:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	3.4
130	102.9	49.4	74.2#





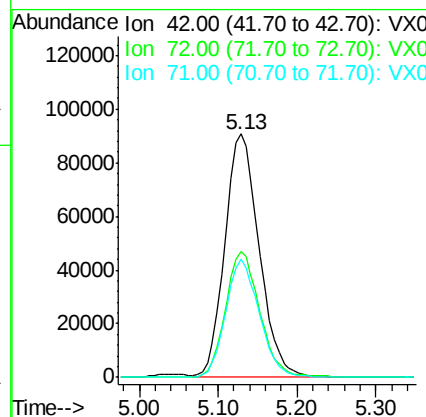
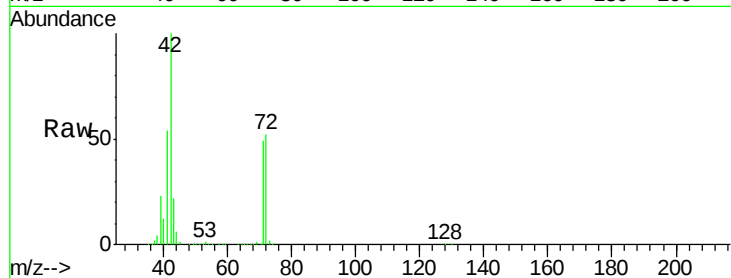
#29
Tetrahydrofuran
Concen: 257.982 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX010192.D
Acq: 10 Jun 2019 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

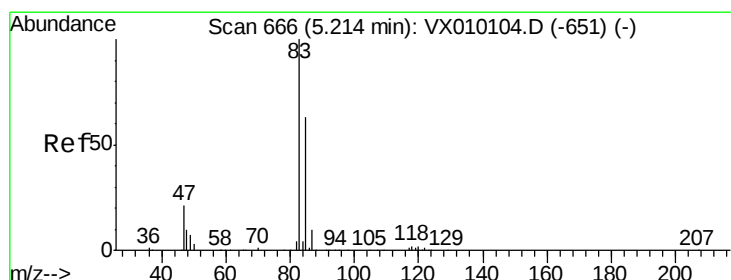
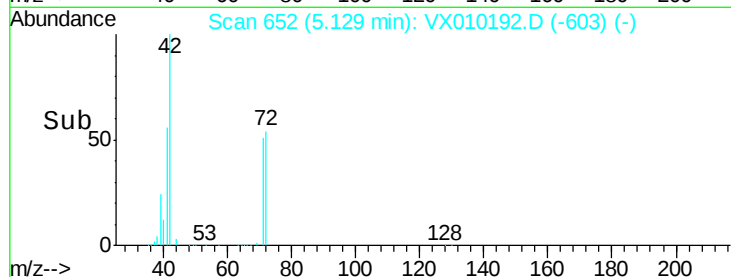
Tot Ion	Ratio	Lower	Upper
42	100		
72	52.2	29.2	43.8#
71	48.1	27.6	41.4#

Manual Integrations
APPROVED

MMDadoda

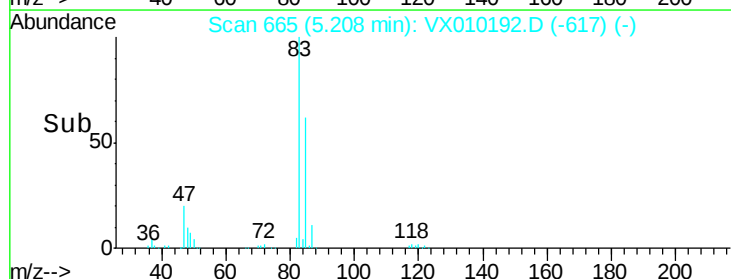
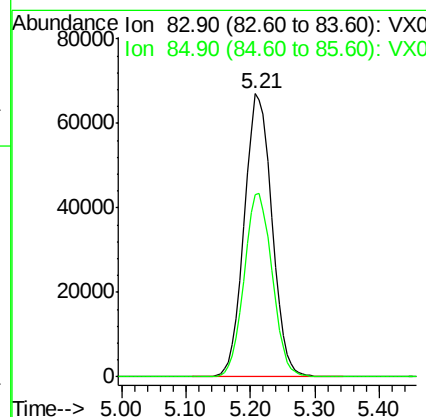
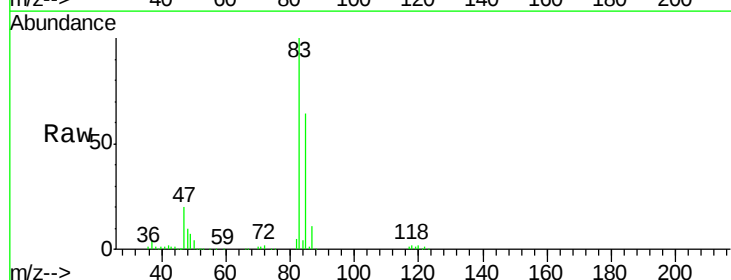


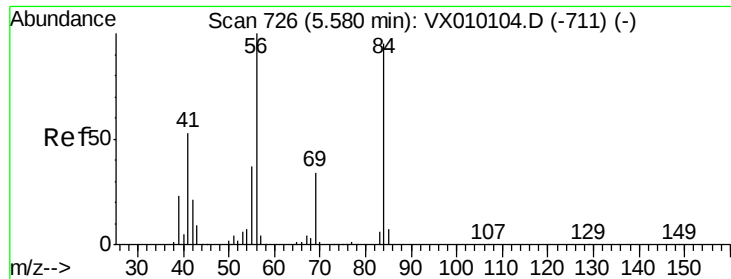
6/11/2019 11:54:03 AM



#30
Chloroform
Concen: 49.406 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX010192.D
Acq: 10 Jun 2019 20:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.6	78.8





#31

Cyclohexane

Concen: 50.002 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

Instrument :

MSVOA_X

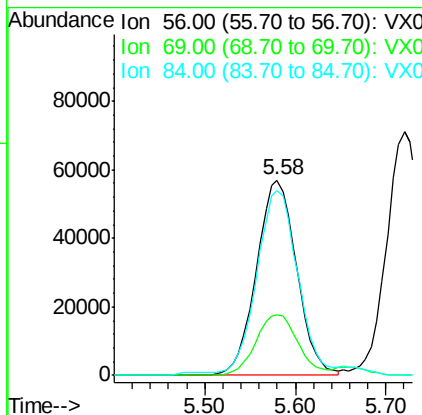
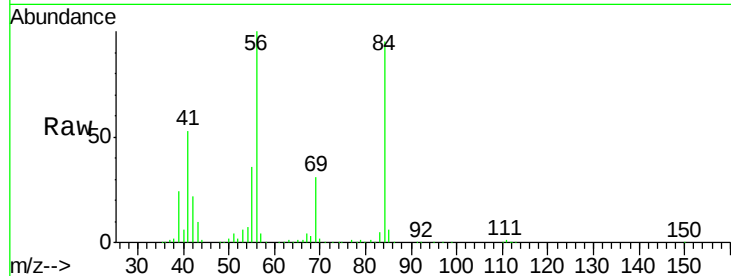
ClientSampleId :

VSTDCCC050EC

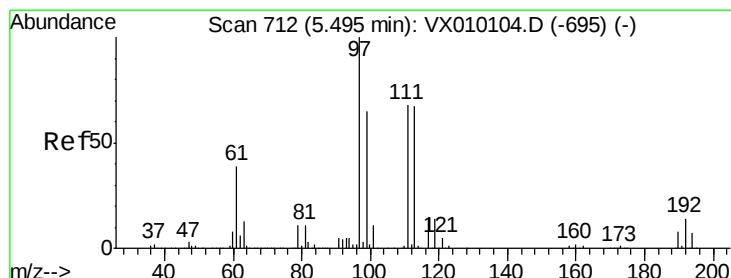
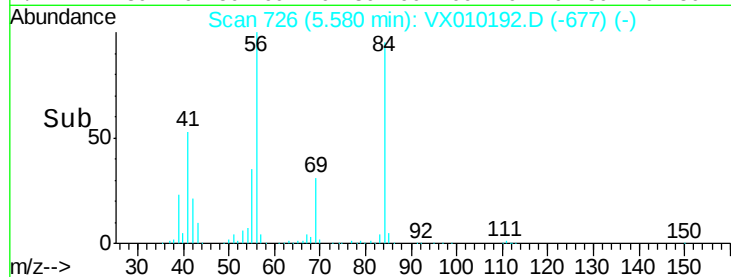
Tot Ion:	56	Resp:	174913
Ion Ratio	Lower	Upper	
56	100		
69	31.4	21.6	32.4
84	93.2	56.8	85.2#

Manual Integrations
APPROVED

MMDadoda



6/11/2019 11:54:03 AM



#32

1,1,1-Trichloroethane

Concen: 47.401 ug/l

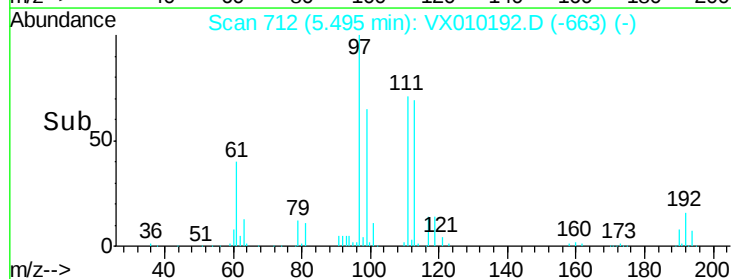
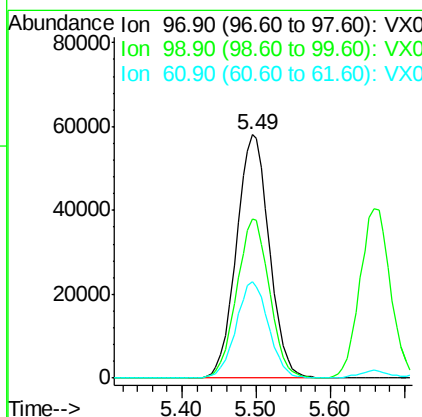
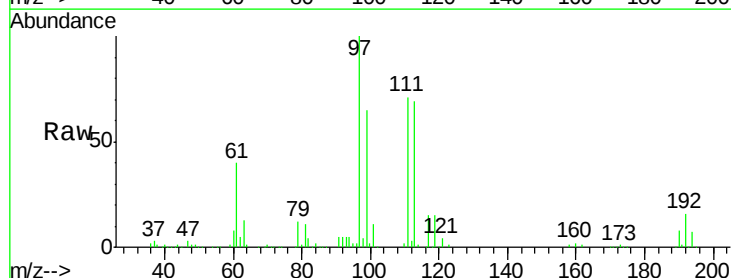
RT: 5.49 min Scan# 712

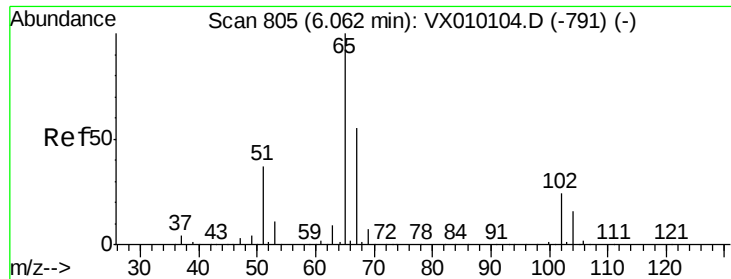
Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

Tgt Ion:	97	Resp:	179376
Ion Ratio	Lower	Upper	
97	100		
99	65.3	51.0	76.4
61	39.4	38.7	58.1





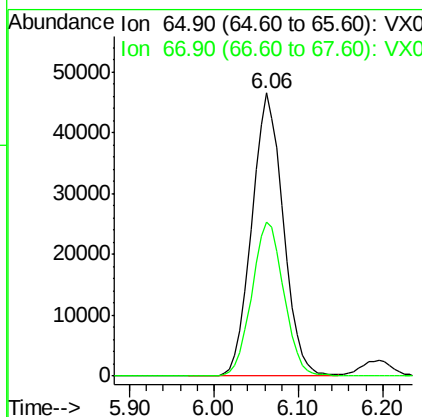
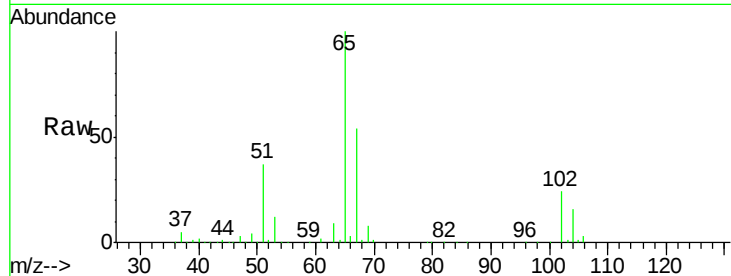
#33
 1,2-Dichloroethane-d4
 Concen: 49.641 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010192.D
 Acq: 10 Jun 2019 20:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

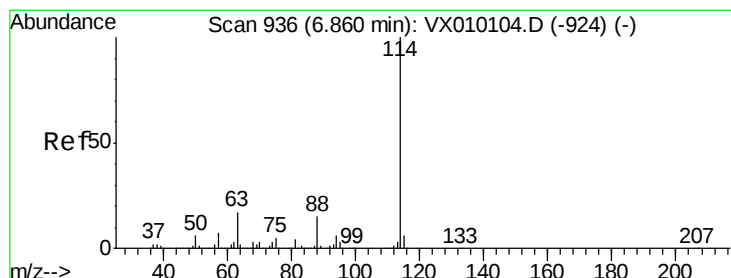
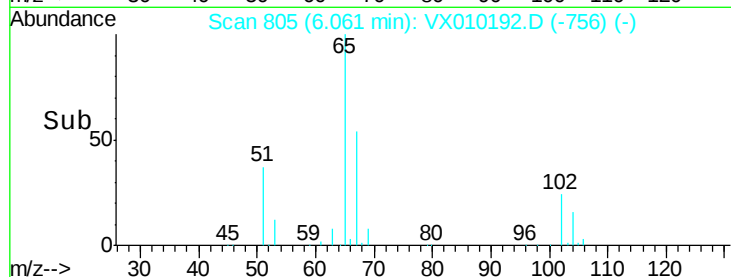
Tot Ion	Ratio	Lower	Upper
65	100		
67	55.5	0.0	108.4

Manual Integrations
 APPROVED

MMDadoda

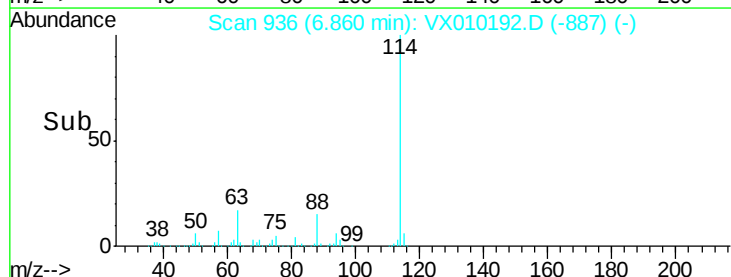
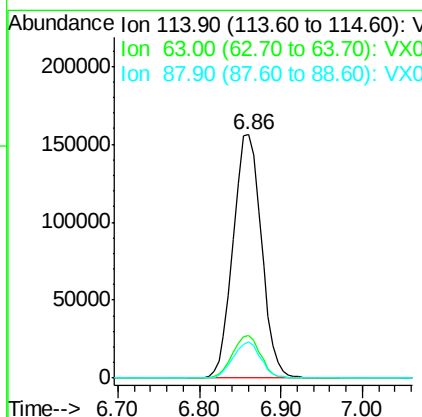
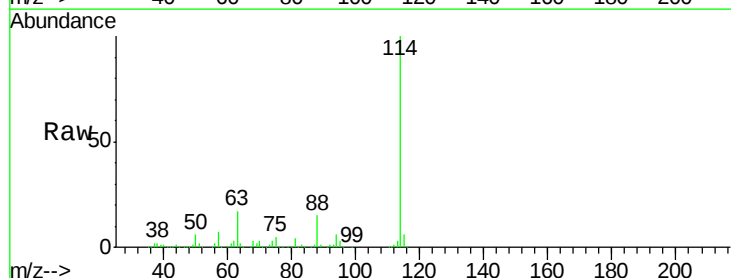


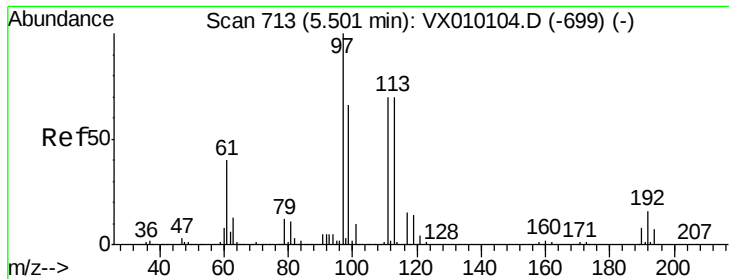
6/11/2019 11:54:03 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010192.D
 Acq: 10 Jun 2019 20:50

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	47.4
88	14.7	0.0	33.0





#35

Dibromofluoromethane

Concen: 51.582 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

Instrument :

MSVOA_X

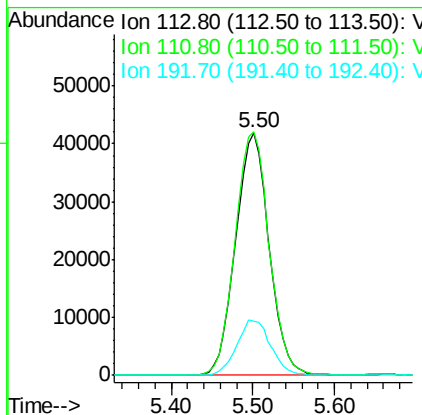
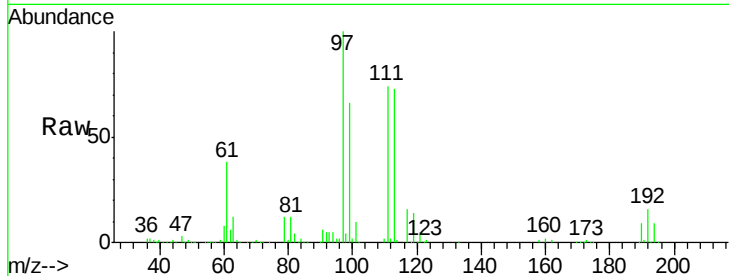
ClientSampleId :

VSTDCCC050EC

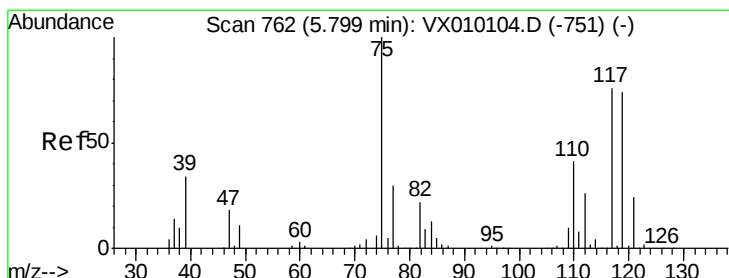
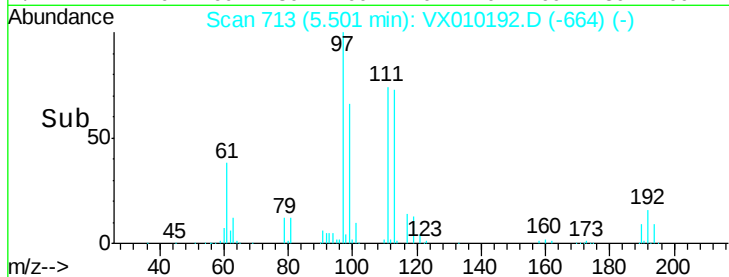
Tot Ion:	113	Resp:	119224
Ion Ratio	Lower	Upper	
113	100		
111	102.1	82.2	123.2
192	23.1	17.1	25.7

Manual Integrations
APPROVED

MMDadoda



6/11/2019 11:54:03 AM



#36

1,1-Dichloropropene

Concen: 47.324 ug/l

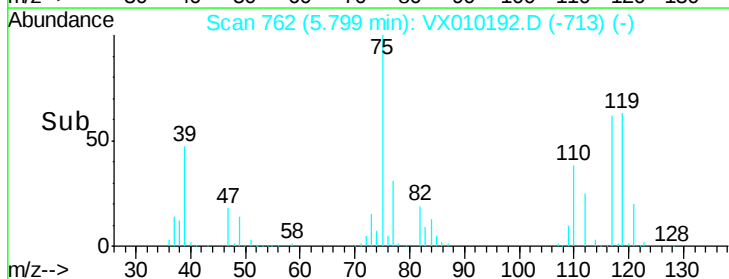
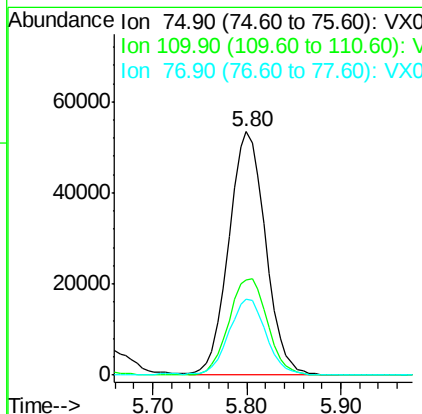
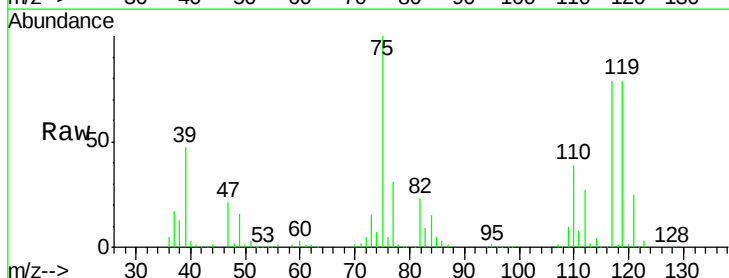
RT: 5.80 min Scan# 762

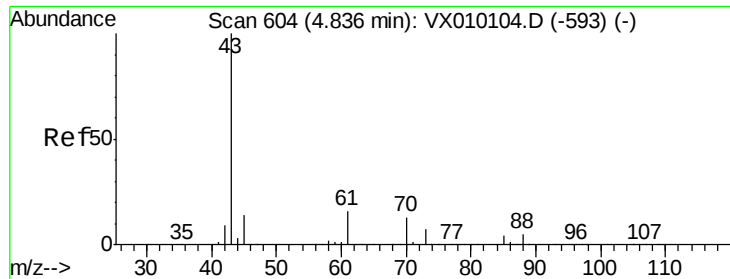
Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

Tgt Ion:	75	Resp:	144678
Ion Ratio	Lower	Upper	
75	100		
110	41.9	16.7	50.1
77	31.8	25.0	37.4





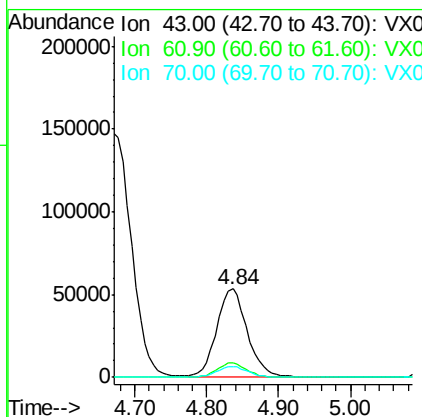
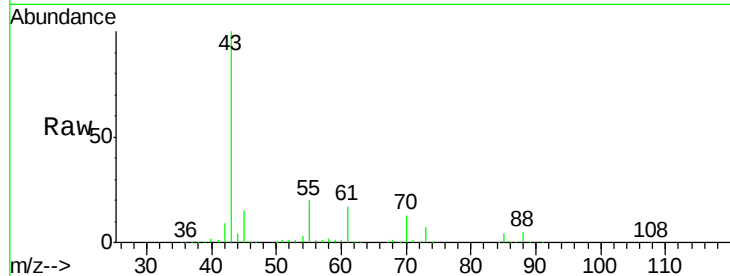
#37
Ethyl Acetate
Concen: 49.389 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX010192.D
Acq: 10 Jun 2019 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

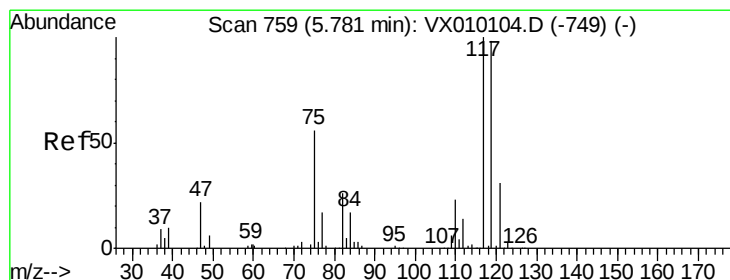
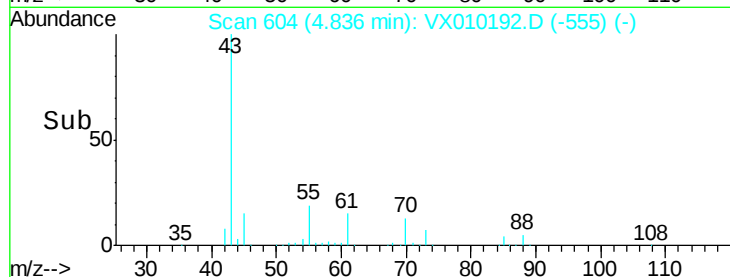
Tot Ion	Ratio	Lower	Upper
43	100		
61	16.6	10.2	15.2#
70	12.9	7.4	11.2#

Manual Integrations
APPROVED

MMDadoda

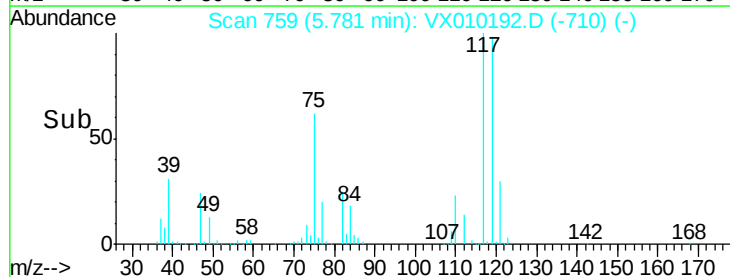
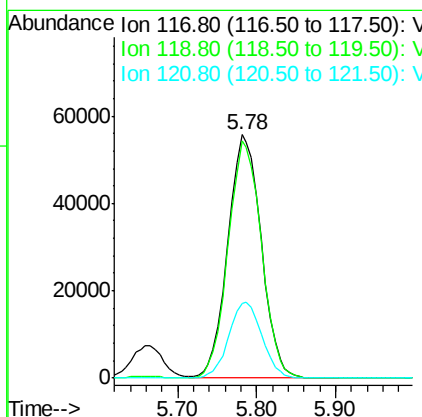
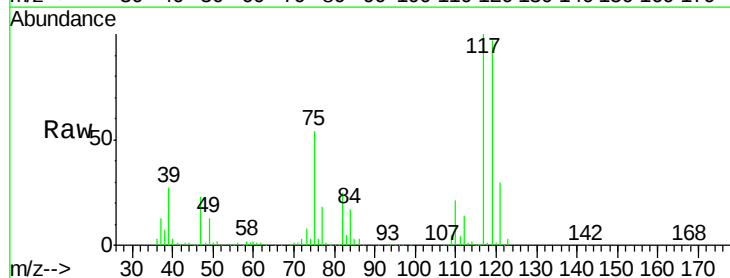


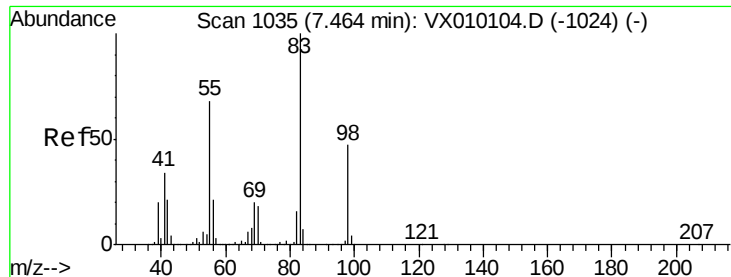
6/11/2019 11:54:03 AM



#38
Carbon Tetrachloride
Concen: 47.488 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX010192.D
Acq: 10 Jun 2019 20:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.3	115.9
121	30.5	25.4	38.0





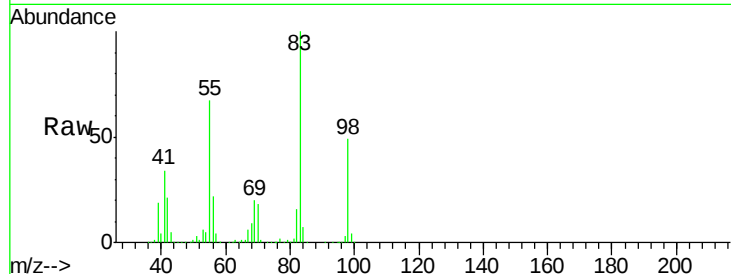
#39
Methvlcvclohexane
Concen: 46.954 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010192.D
Acq: 10 Jun 2019 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

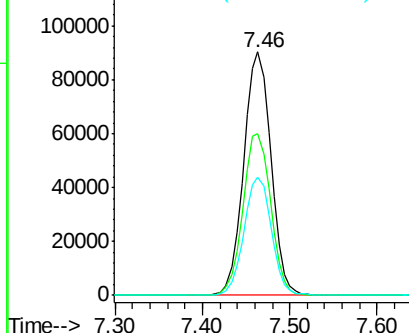
Tot Ion	Ratio	Lower	Upper
83	100		
55	66.5	69.9	104.9#
98	48.8	35.1	52.7

Manual Integrations
APPROVED

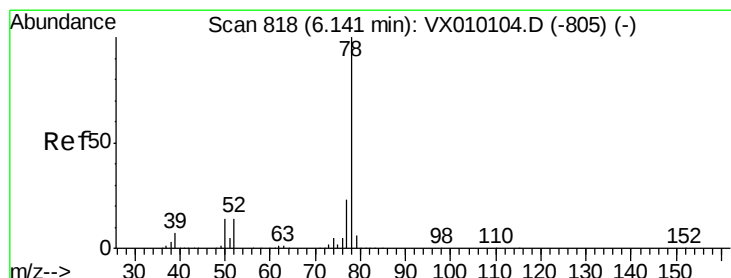
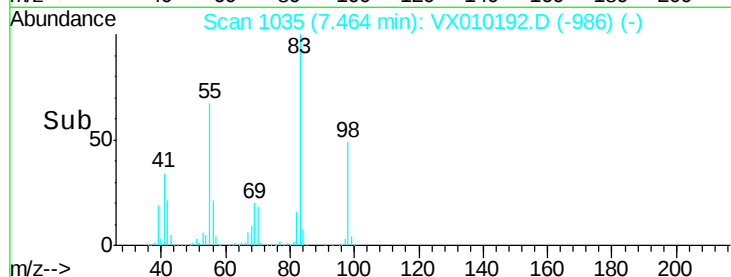
MMDadoda



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

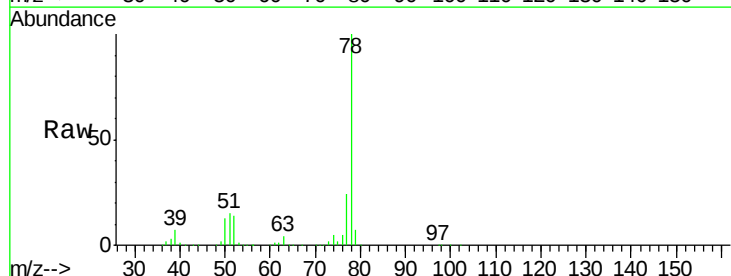


6/11/2019 11:54:03 AM

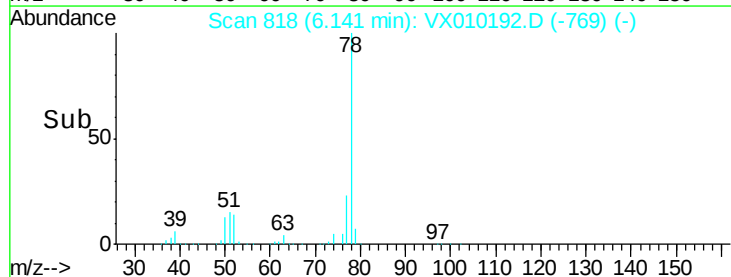
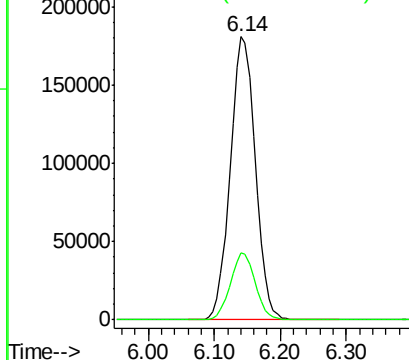


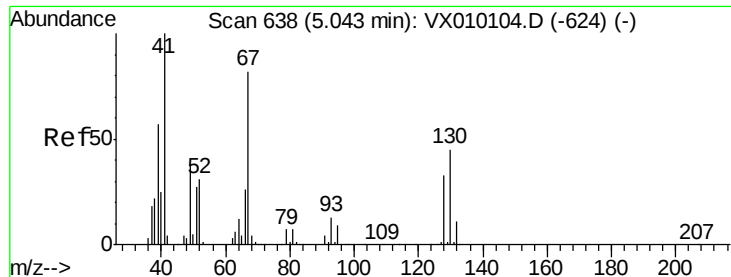
#40
Benzene
Concen: 50.204 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX010192.D
Acq: 10 Jun 2019 20:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





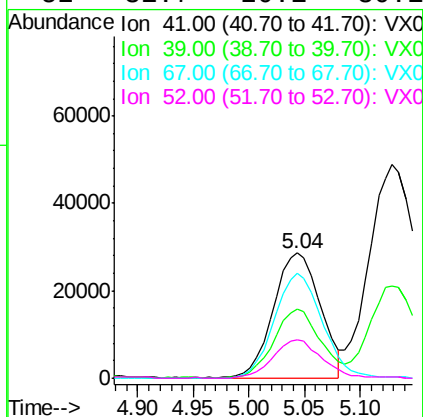
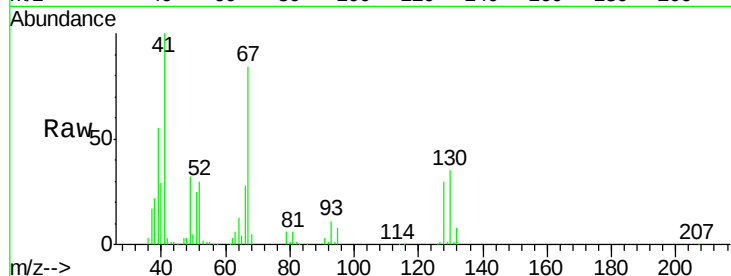
#41
Methacrylonitrile
Concen: 48.340 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX010192.D
Acq: 10 Jun 2019 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

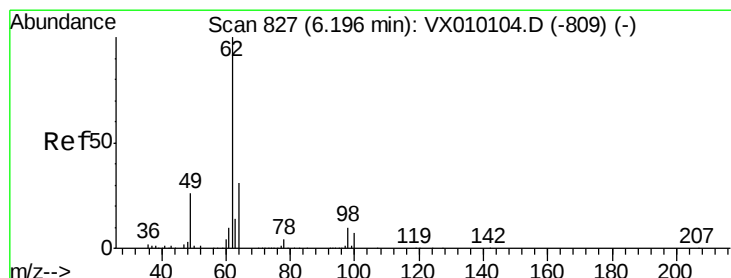
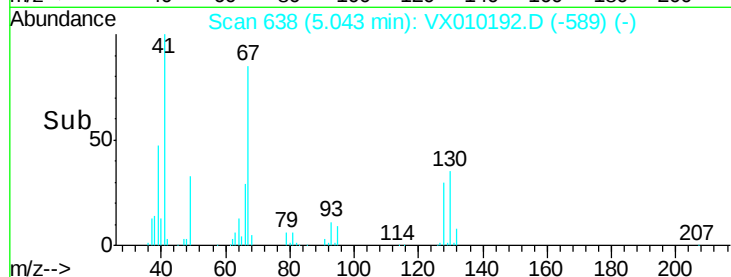
Tot Ion	Ratio	Lower	Upper
41	100		
39	55.2	42.2	63.4
67	87.0	48.9	73.3
52	31.7	20.1	30.1

Manual Integrations
APPROVED

MMDadoda

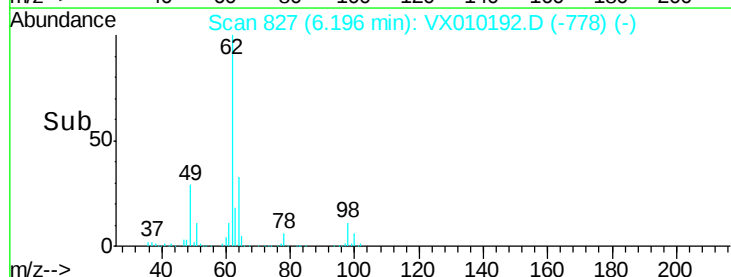
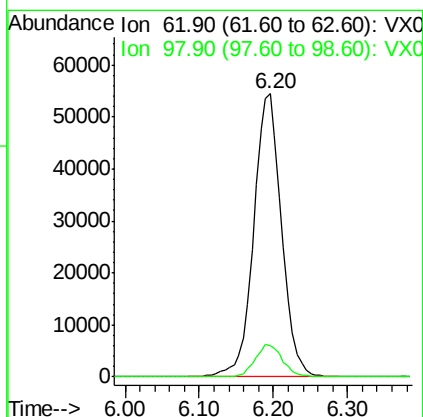
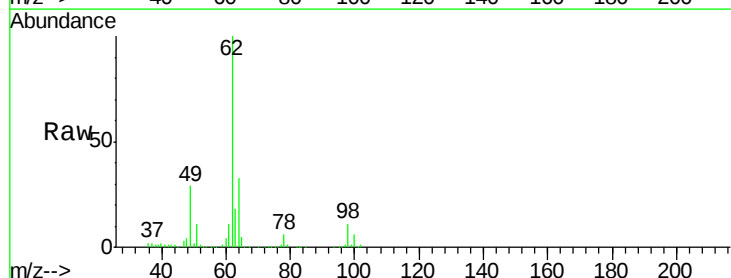


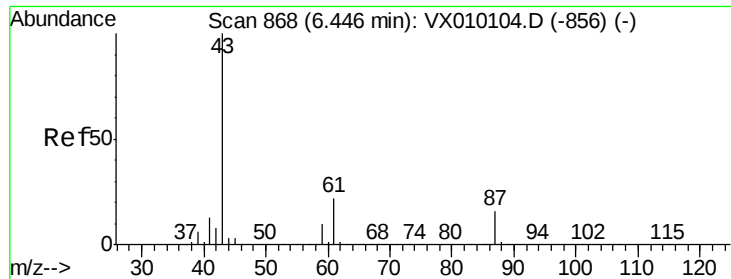
6/11/2019 11:54:03 AM



#42
1,2-Dichloroethane
Concen: 47.286 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX010192.D
Acq: 10 Jun 2019 20:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.3	0.0	17.2





#43

Isopropyl Acetate

Concen: 49.096 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

Instrument :

MSVOA_X

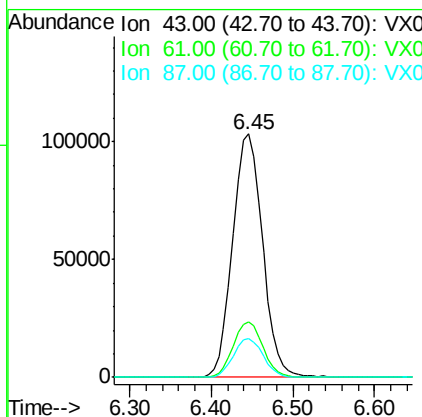
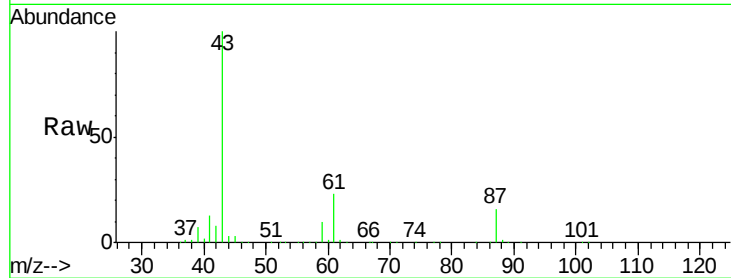
ClientSampleId :

VSTDCCC050EC

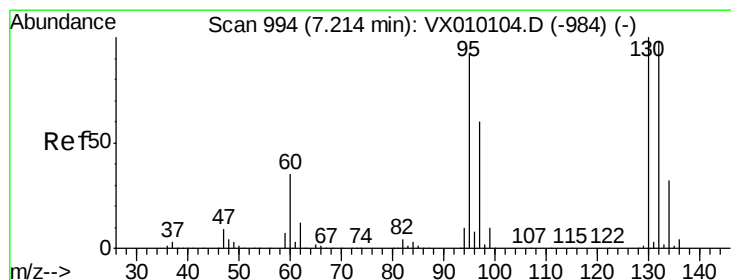
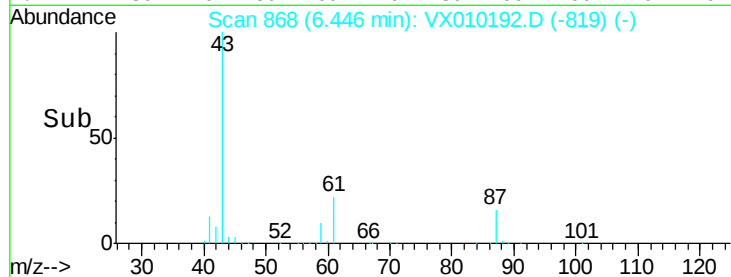
Tot Ion:	43	Resp:	261115
Ion Ratio		Lower	Upper
43	100		
61	22.7	14.6	21.8#
87	16.0	8.7	13.1#

Manual Integrations
APPROVED

MMDadoda



6/11/2019 11:54:03 AM



#44

Trichloroethene

Concen: 48.734 ug/l

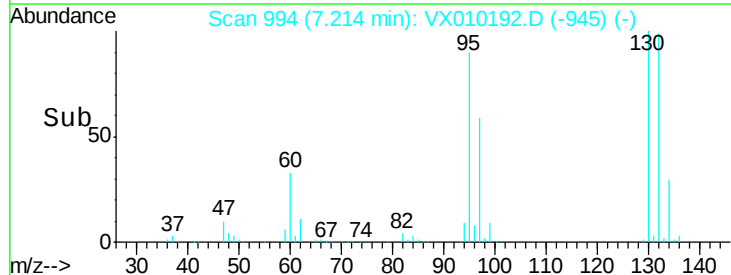
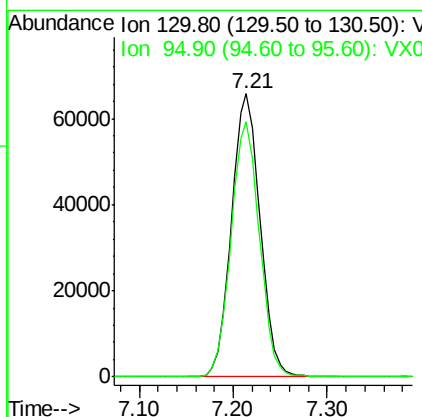
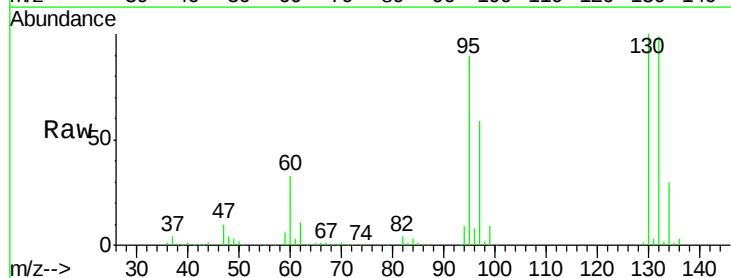
RT: 7.21 min Scan# 994

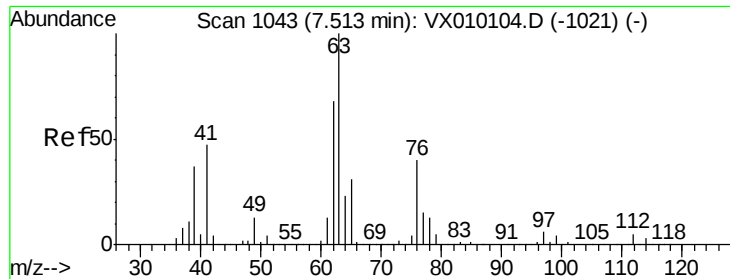
Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

Tgt Ion:	130	Resp:	138868
Ion Ratio		Lower	Upper
130	100		
95	90.3	0.0	207.4





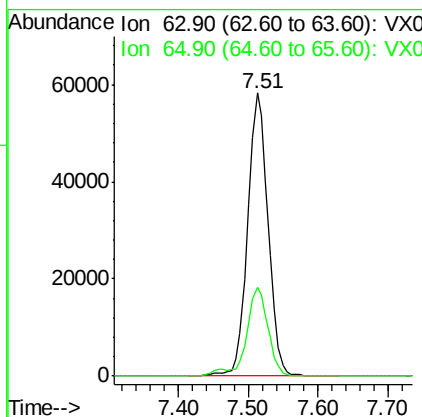
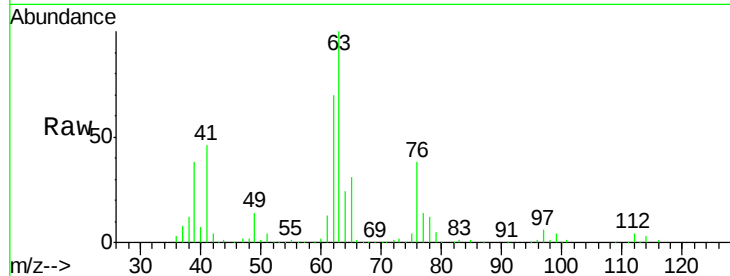
#45
 1,2-Dichloropropane
 Concen: 49.910 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX010192.D
 Acq: 10 Jun 2019 20:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

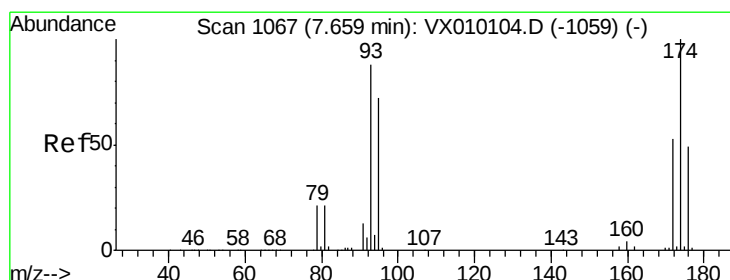
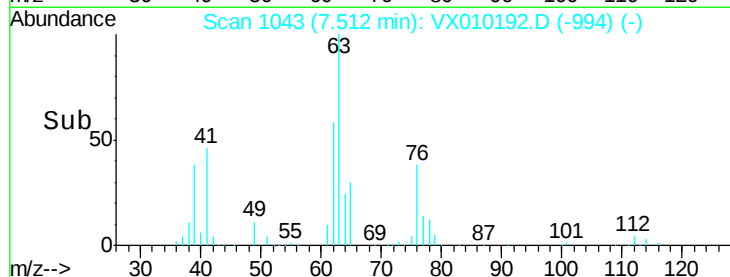
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	25.7	38.5

Manual Integrations
 APPROVED

MMDadoda

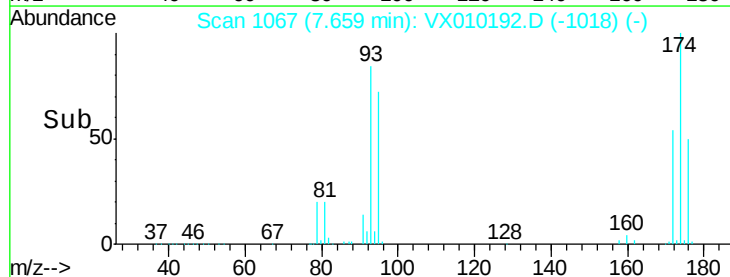
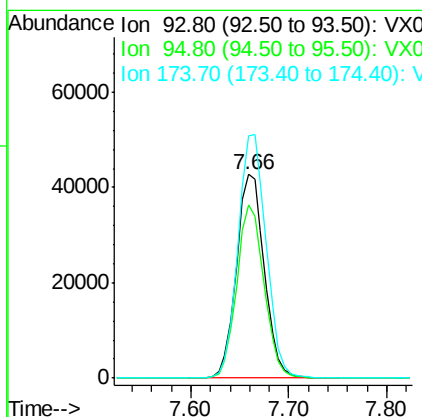
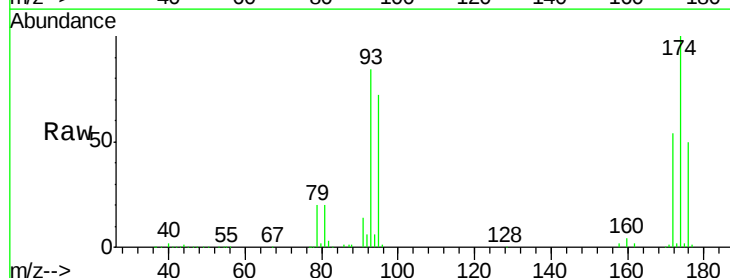


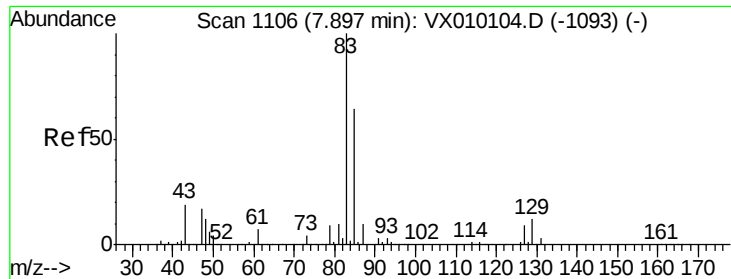
6/11/2019 11:54:03 AM



#46
 Dibromomethane
 Concen: 47.721 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX010192.D
 Acq: 10 Jun 2019 20:50

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	66.8	100.2
174	121.1	81.9	122.9





#47

Bromodichloromethane

Concen: 48.552 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

Instrument :

MSVOA_X

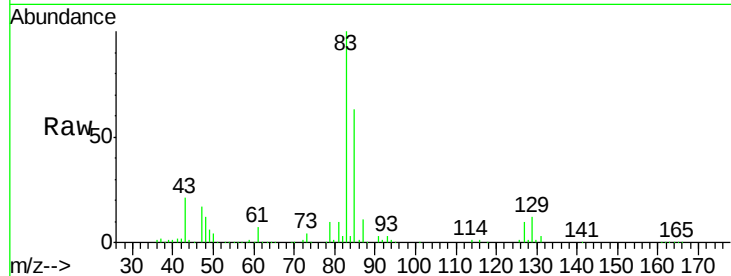
ClientSampleId :

VSTDCCC050EC

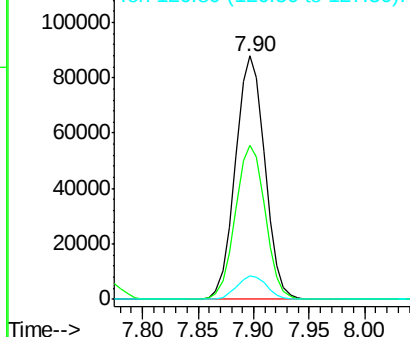
Tot Ion:	83	Resp:	160820
Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.4	77.2
127	9.9	6.4	9.6#

Manual Integrations
APPROVED

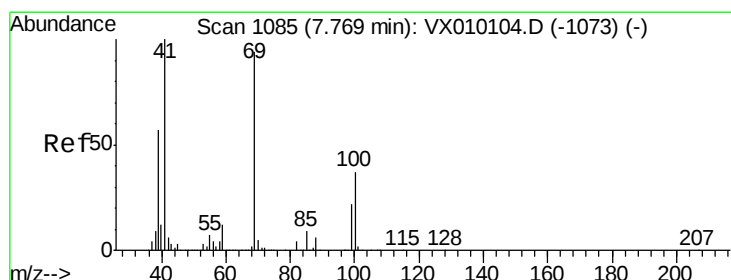
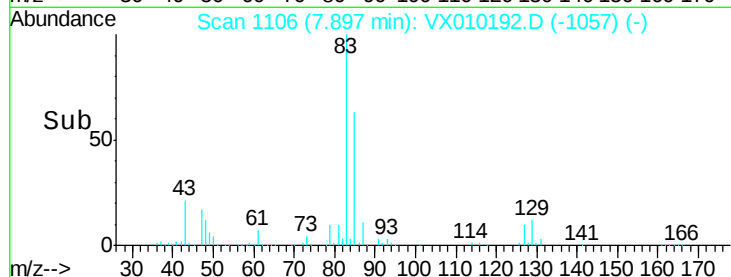
MMDadoda



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



6/11/2019 11:54:03 AM



#48

Methyl methacrylate

Concen: 49.628 ug/l

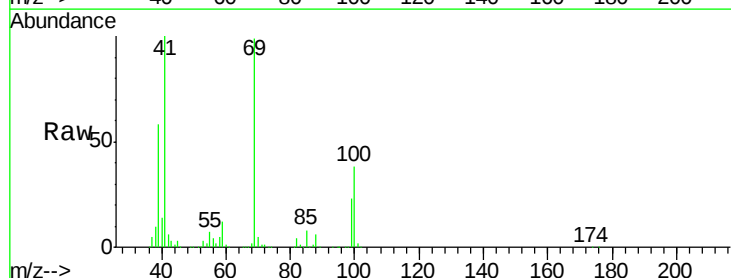
RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

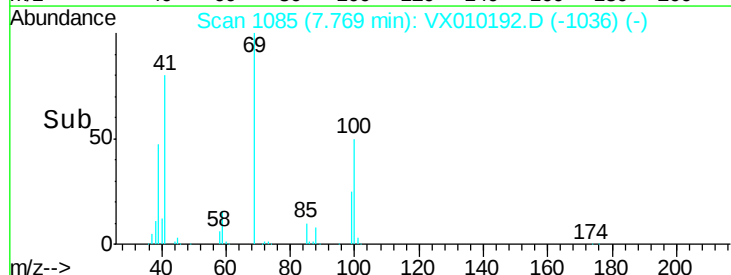
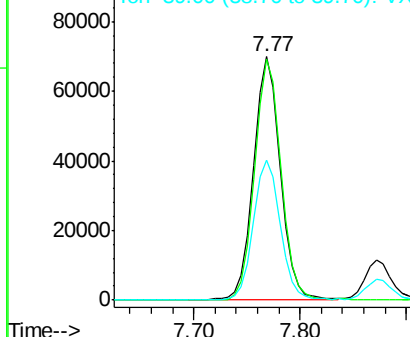
Lab File: VX010192.D

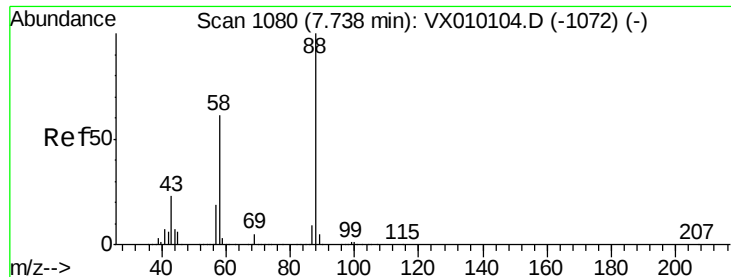
Acq: 10 Jun 2019 20:50

Tgt Ion:	41	Resp:	123439
Ion	Ratio	Lower	Upper
41	100		
69	98.5	56.4	84.6#
39	58.5	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





#49

1,4-Dioxane

Concen: 1009.831 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

Instrument :

MSVOA_X

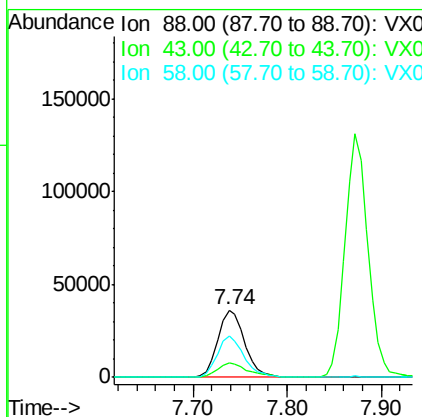
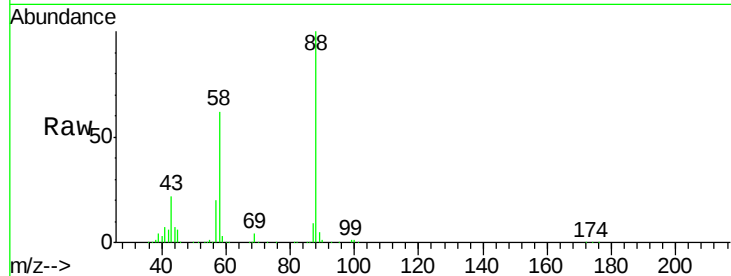
ClientSampleId :

VSTDCCC050EC

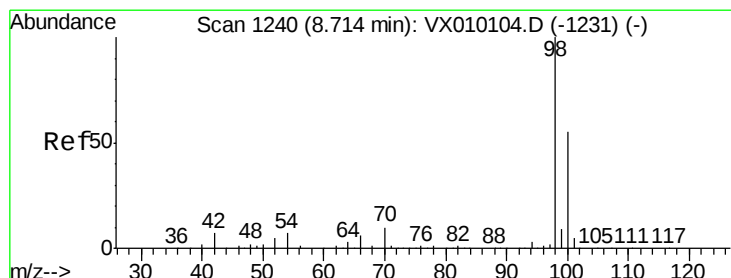
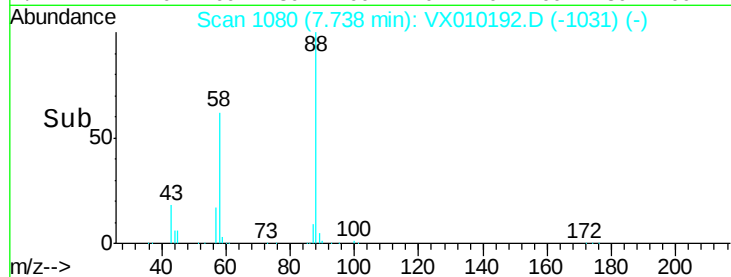
Tot Ion:	88	Resp:	71612
Ion Ratio	Lower	Upper	
88	100		
43	25.3	30.2	45.4#
58	61.7	64.0	96.0#

Manual Integrations
APPROVED

MMDadoda



6/11/2019 11:54:03 AM



#50

Toluene-d8

Concen: 52.275 ug/l

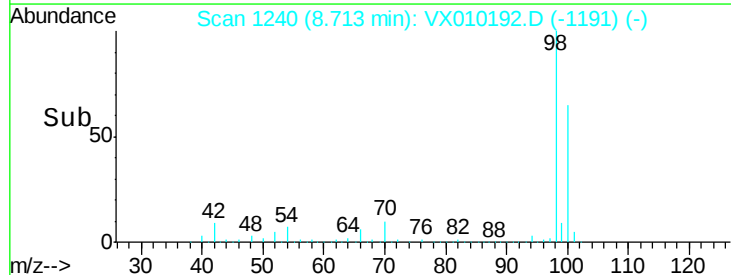
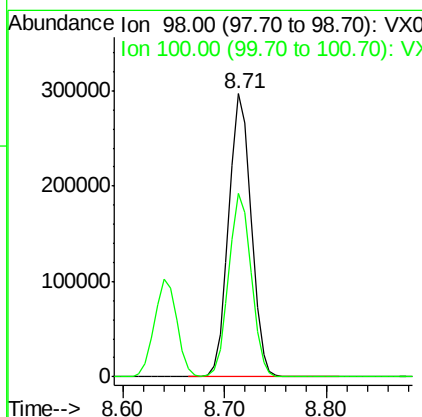
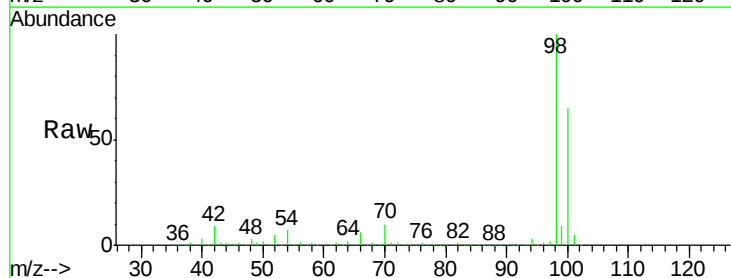
RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

Tgt Ion:	98	Resp:	452837
Ion Ratio	Lower	Upper	
98	100		
100	64.8	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 265.336 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 843030

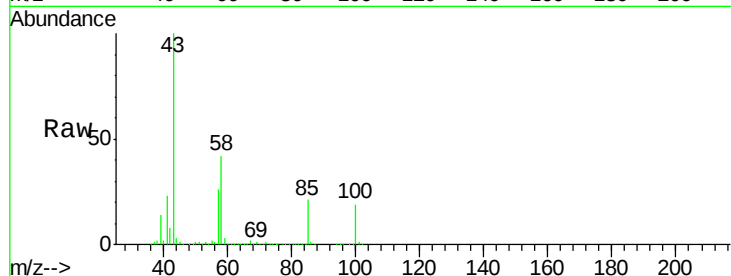
Ion Ratio Lower Upper

43 100

58 42.3 28.8 43.2

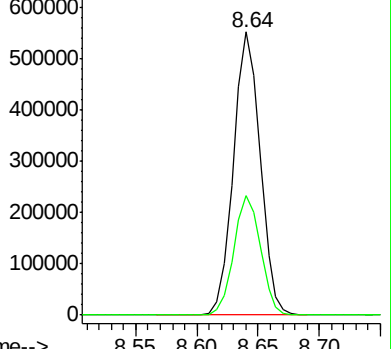
Manual Integrations
APPROVED

MMDadoda

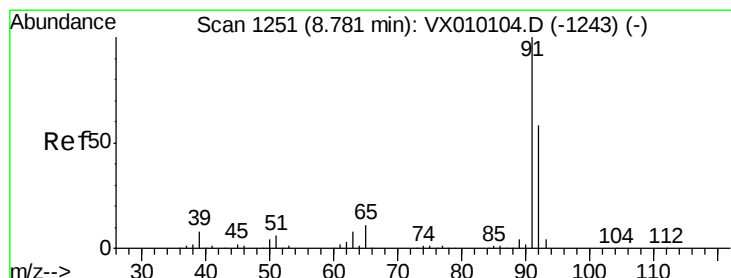
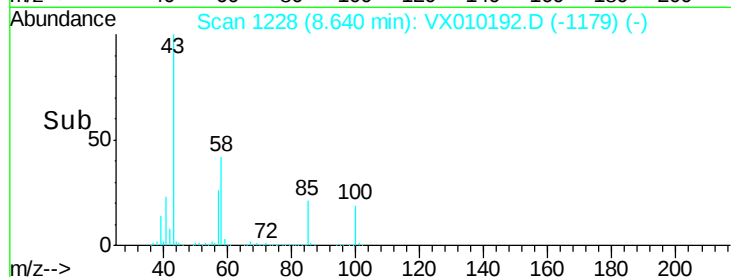


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



6/11/2019 11:54:03 AM



#52

Toluene

Concen: 49.804 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX010192.D

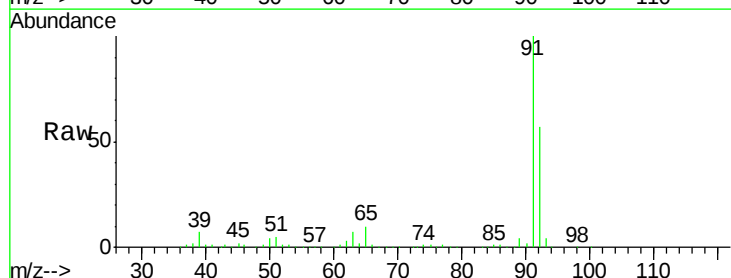
Acq: 10 Jun 2019 20:50

Tgt Ion: 92 Resp: 309484

Ion Ratio Lower Upper

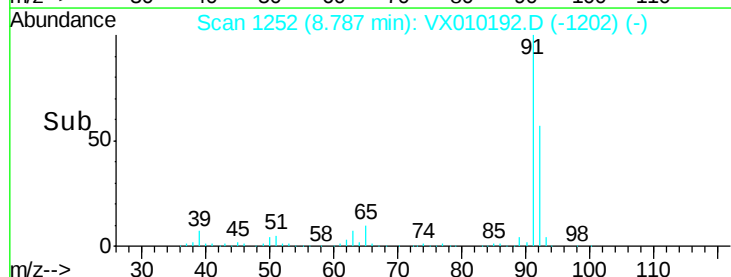
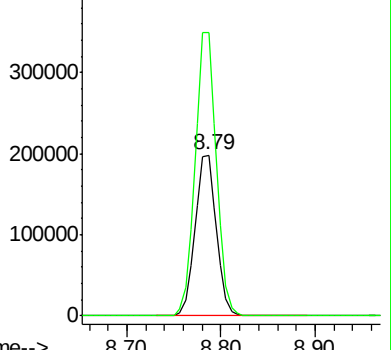
92 100

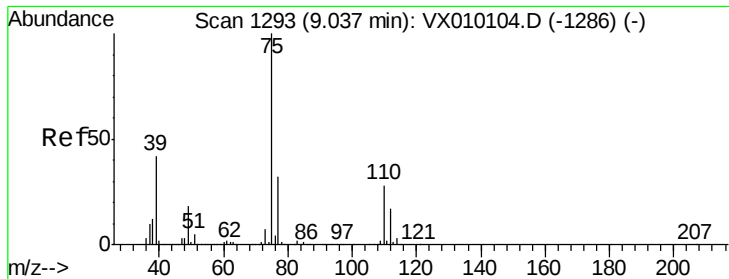
91 175.9 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 46.868 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

Tot Ion: 75 Resp: 179565

Ion Ratio Lower Upper

75 100

77 31.8 24.6 36.8

Instrument :

MSVOA_X

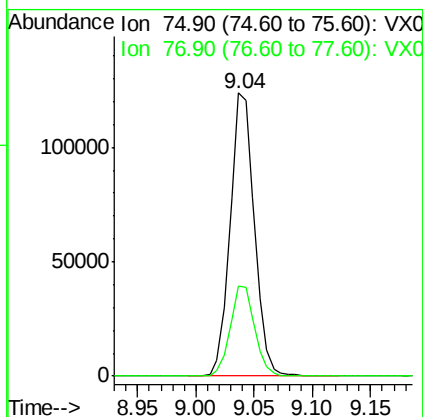
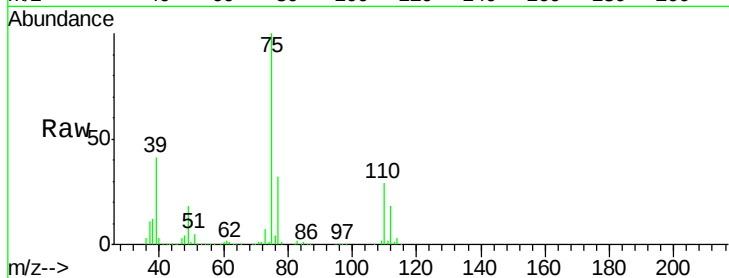
ClientSampleId :

VSTDCCC050EC

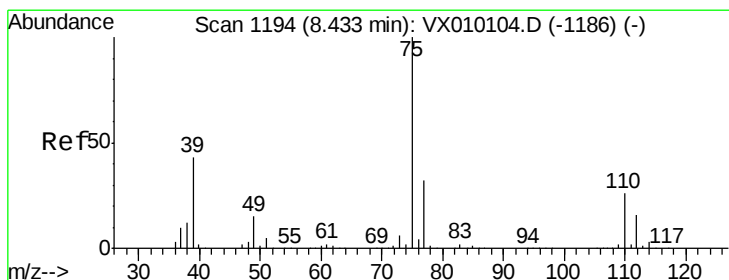
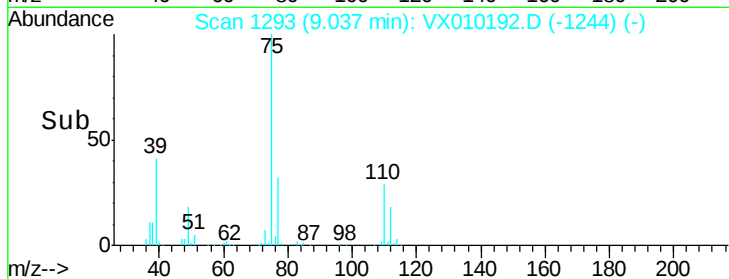
Manual Integrations

APPROVED

MMDadoda



6/11/2019 11:54:03 AM



#54

cis-1,3-Dichloropropene

Concen: 47.607 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

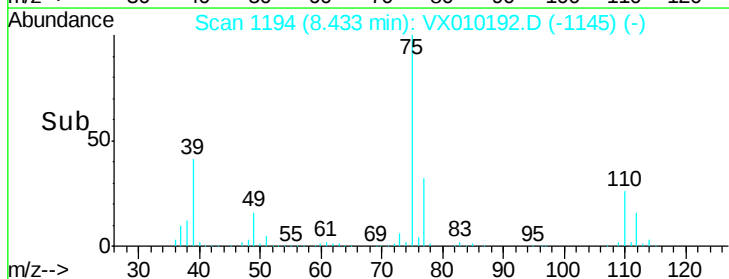
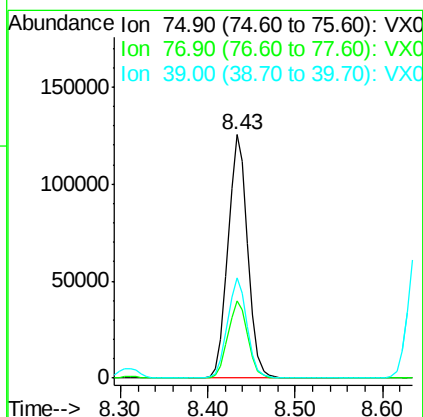
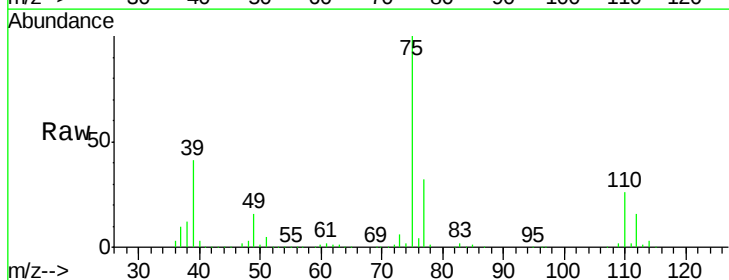
Tgt Ion: 75 Resp: 195535

Ion Ratio Lower Upper

75 100

77 31.5 24.8 37.2

39 41.1 43.4 65.0#





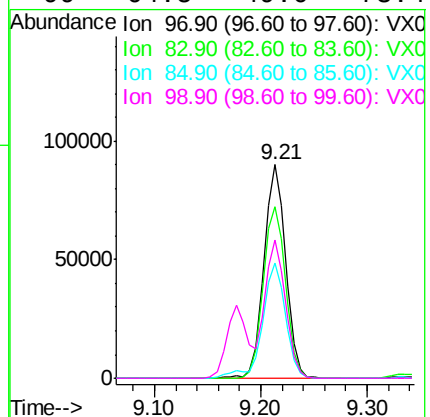
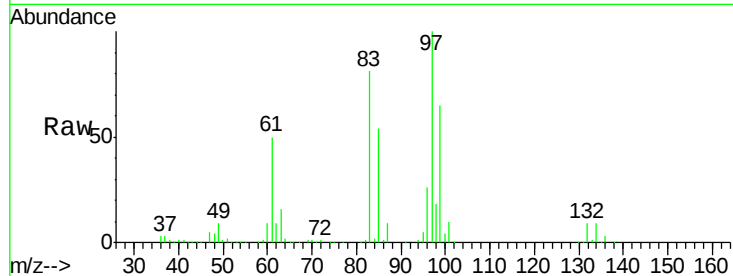
#55
 1,1,2-Trichloroethane
 Concen: 50.942 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010192.D
 Acq: 10 Jun 2019 20:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

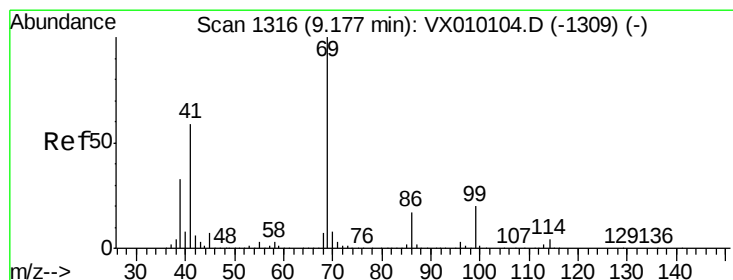
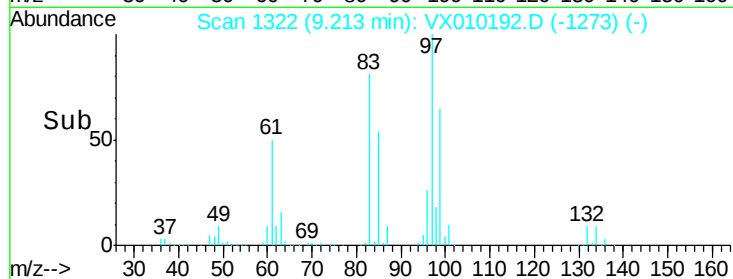
Tot Ion:	97	Resp:	129644
Ion Ratio	Lower	Upper	
97	100		
83	80.5	69.8	104.8
85	54.0	45.3	67.9
99	64.5	49.0	73.4

Manual Integrations
 APPROVED

MMDadoda

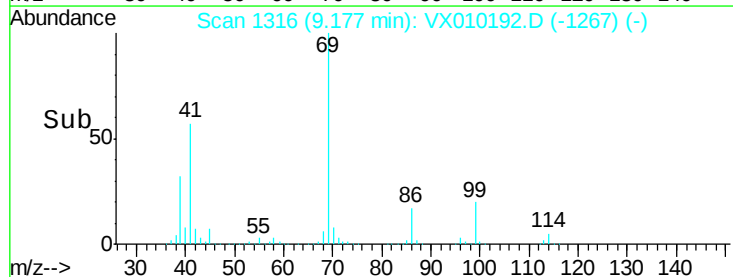
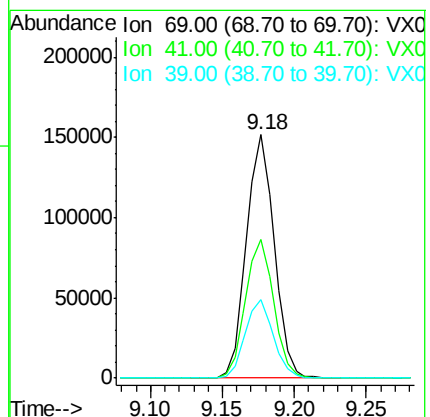
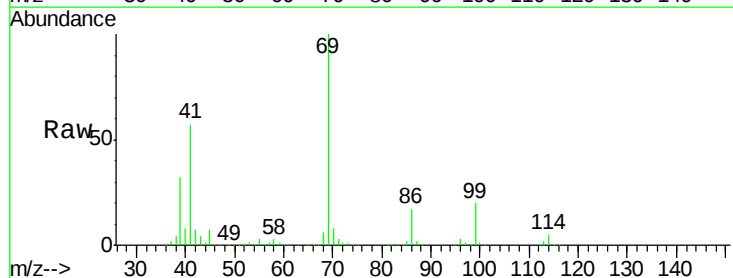


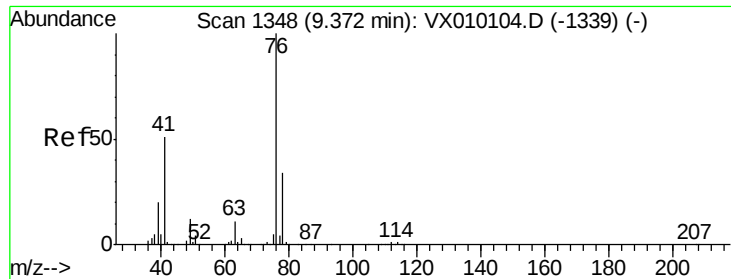
6/11/2019 11:54:03 AM



#56
 Ethyl methacrylate
 Concen: 50.444 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX010192.D
 Acq: 10 Jun 2019 20:50

Tgt Ion:	69	Resp:	202790
Ion Ratio	Lower	Upper	
69	100		
41	57.8	62.7	94.1#
39	32.4	29.5	44.3





#57

1,3-Dichloropropane

Concen: 50.284 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 201468

Ion Ratio Lower Upper

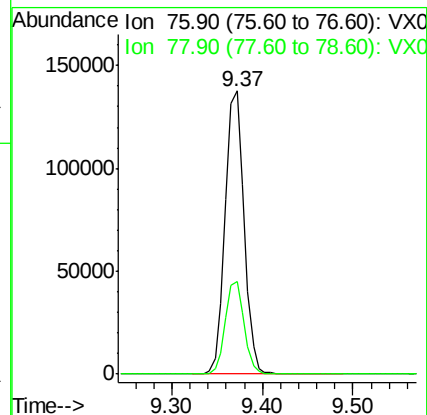
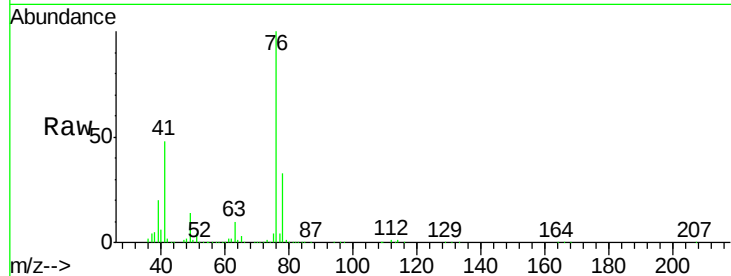
76 100

78 32.4 25.4 38.0

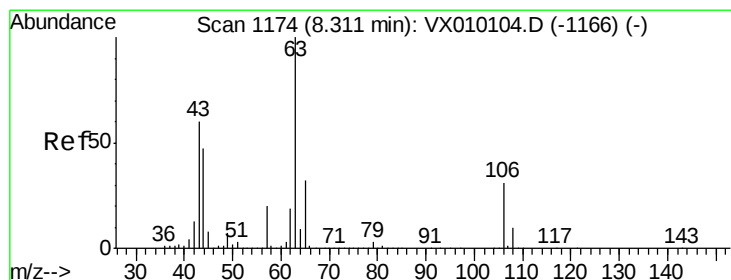
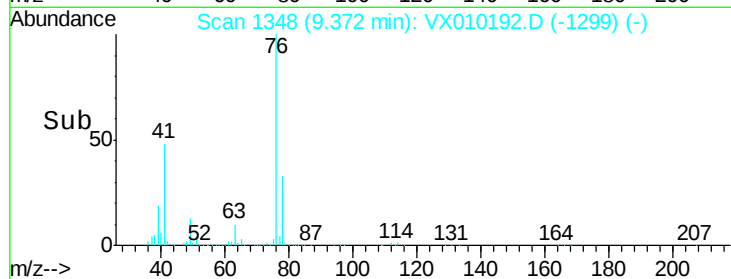
Manual Integrations

APPROVED

MMDadoda



6/11/2019 11:54:03 AM



#58

2-Chloroethyl Vinyl ether

Concen: 242.323 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX010192.D

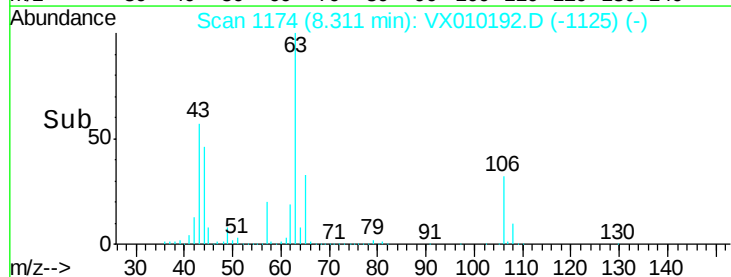
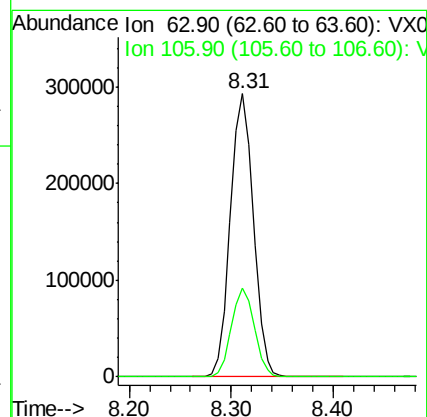
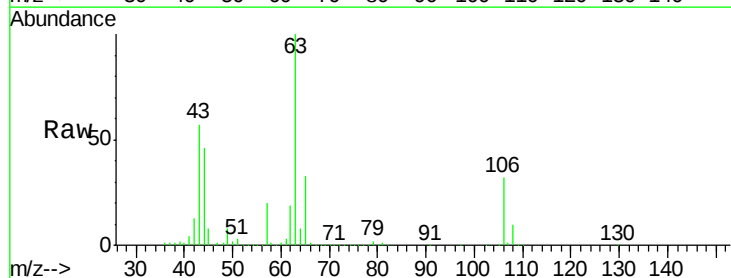
Acq: 10 Jun 2019 20:50

Tgt Ion: 63 Resp: 459246

Ion Ratio Lower Upper

63 100

106 31.2 19.4 29.2#





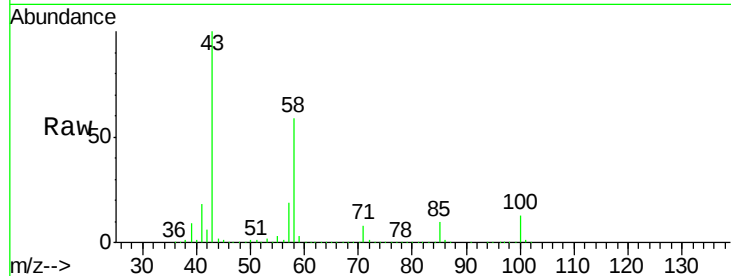
#59
2-Hexanone
Concen: 263.353 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010192.D
Acq: 10 Jun 2019 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

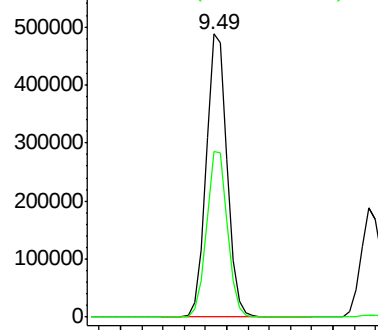
Tot Ion: 43 Resp: 667134
Ion Ratio Lower Upper
43 100
58 59.1 25.1 75.3

Manual Integrations
APPROVED

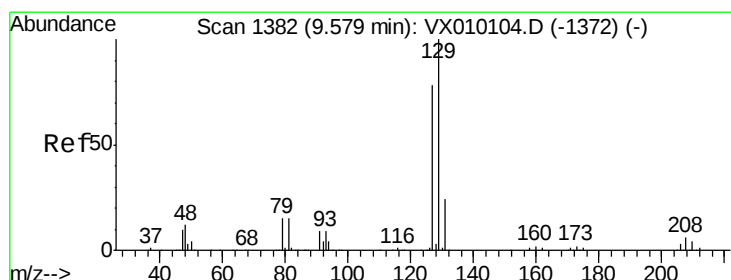
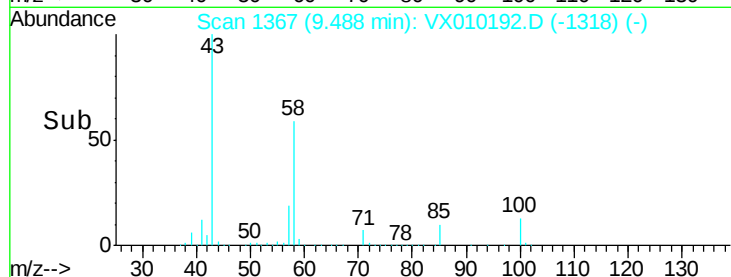
MMDadoda



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

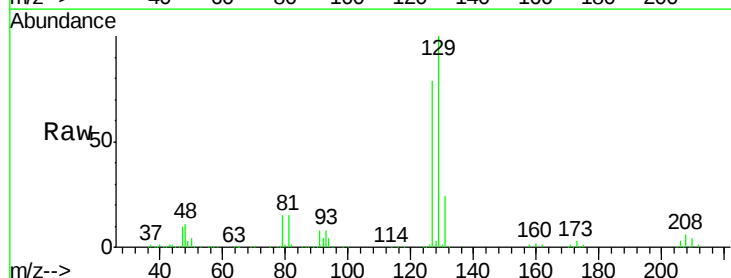


6/11/2019 11:54:03 AM

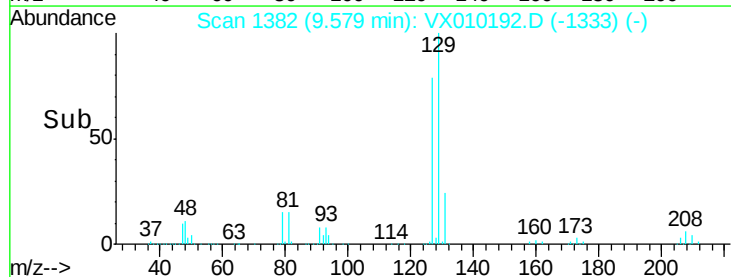
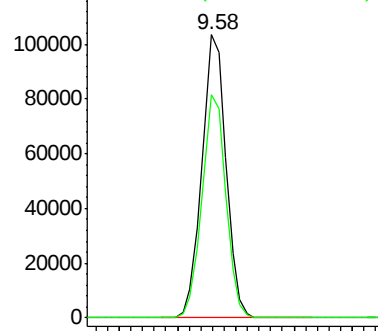


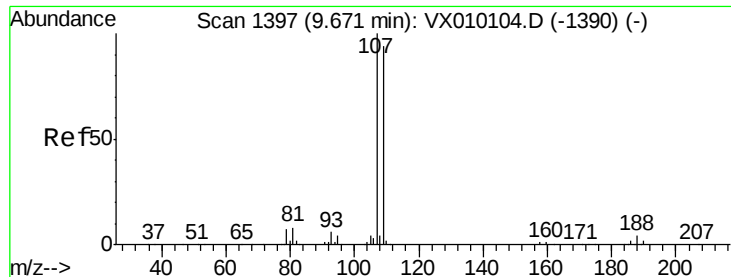
#60
Dibromochloromethane
Concen: 49.657 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010192.D
Acq: 10 Jun 2019 20:50

Tgt Ion: 129 Resp: 149479
Ion Ratio Lower Upper
129 100
127 78.3 38.5 115.5



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 49.887 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 141399

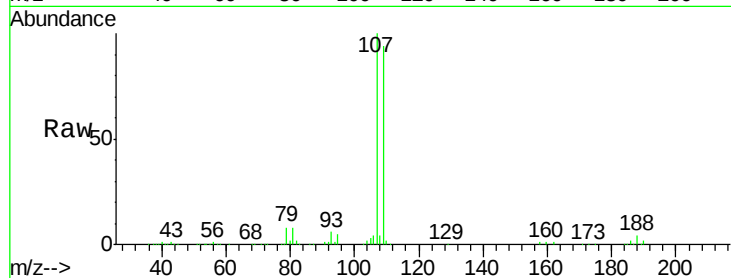
Ion Ratio Lower Upper

107 100

109 94.5 75.4 113.2

Manual Integrations
APPROVED

MMDadoda



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

120000

100000

80000

60000

40000

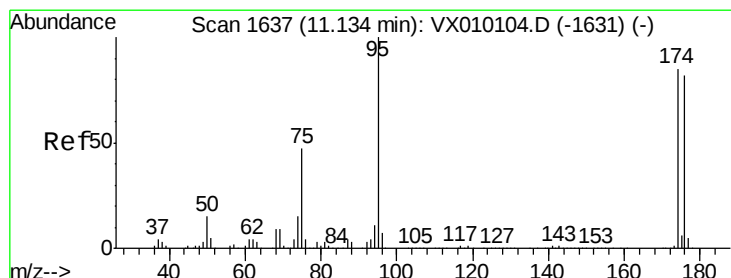
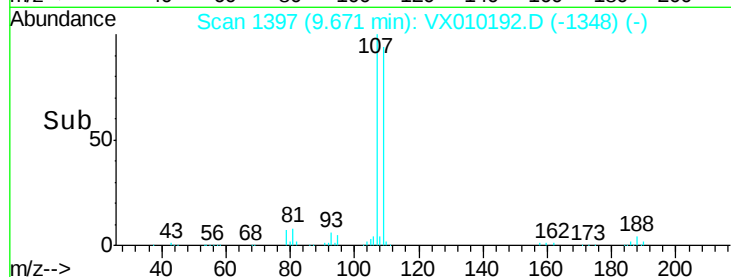
20000

0

Time-->

9.60 9.70 9.80

6/11/2019 11:54:03 AM



#62

4-Bromofluorobenzene

Concen: 52.694 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

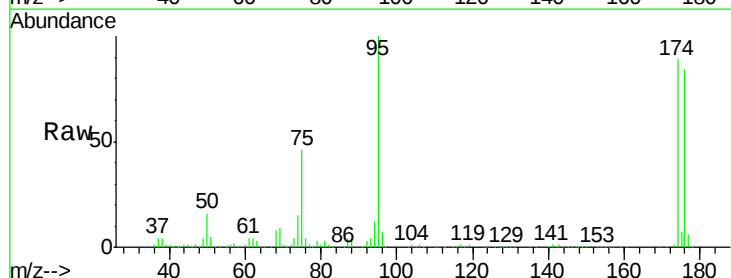
Tgt Ion: 95 Resp: 170474

Ion Ratio Lower Upper

95 100

174 92.8 0.0 160.4

176 89.5 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

150000

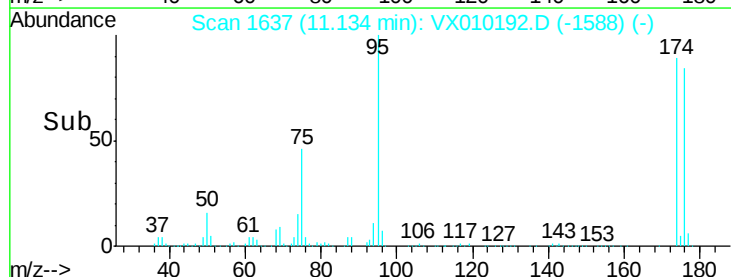
100000

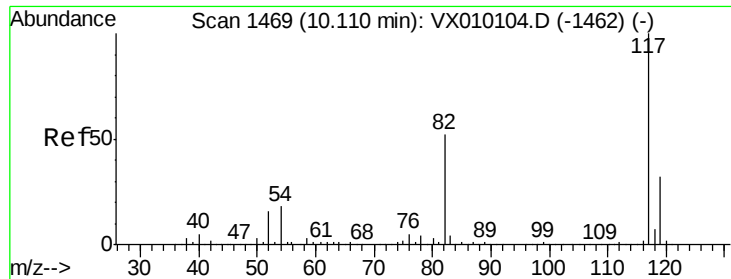
50000

0

Time-->

11.10 11.20





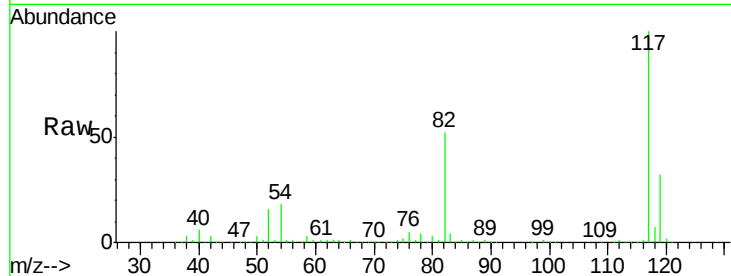
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010192.D
Acq: 10 Jun 2019 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	49.2	73.8
119	32.1	25.2	37.8

Manual Integrations
APPROVED

MMDadoda

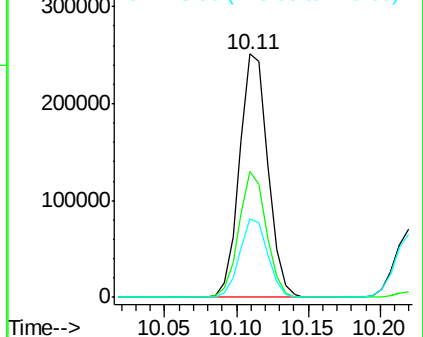


Abundance

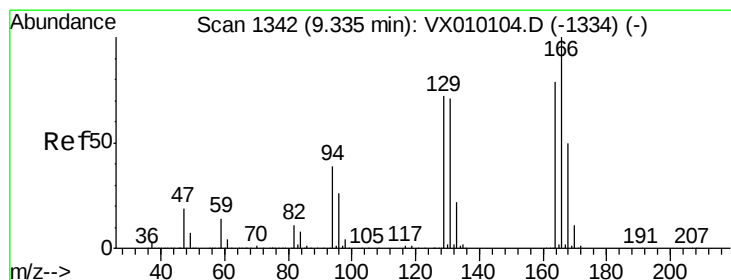
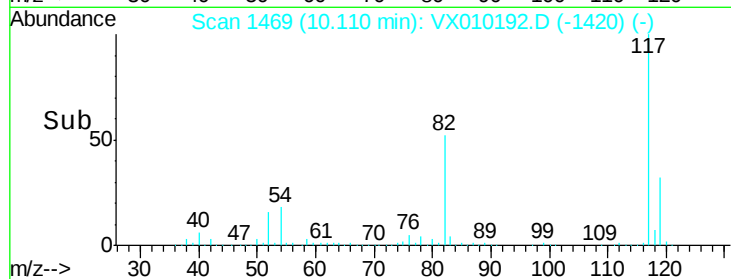
Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



6/11/2019 11:54:03 AM



#64
Tetrachloroethene
Concen: 49.072 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010192.D
Acq: 10 Jun 2019 20:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	105.0	157.4
129	90.6	75.1	112.7
131	87.0	72.2	108.4

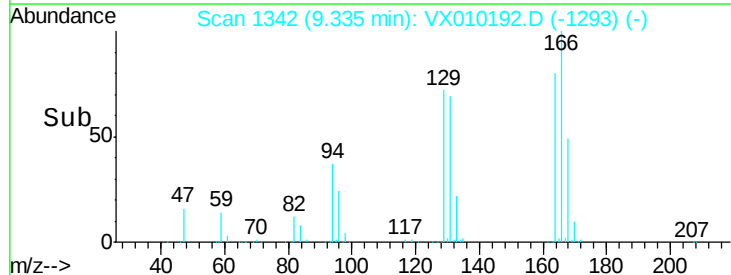
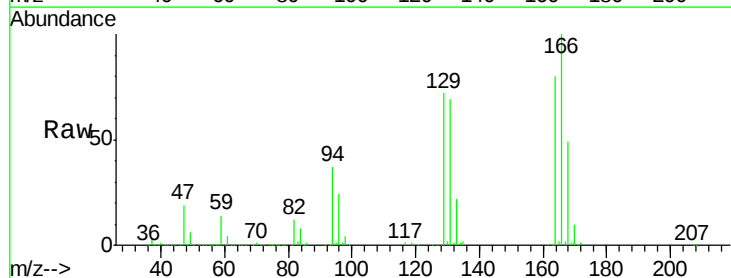
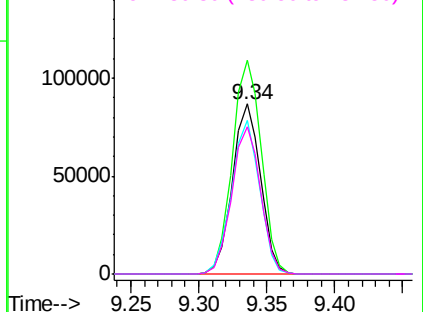
Abundance

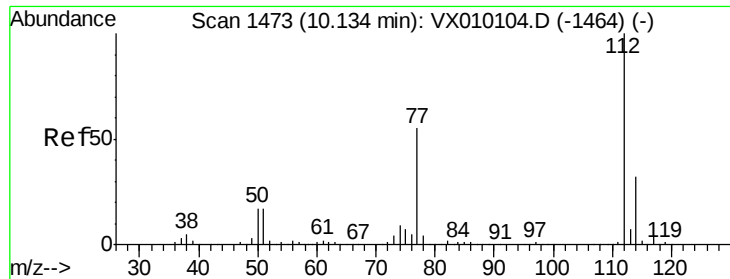
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 49.738 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 353082

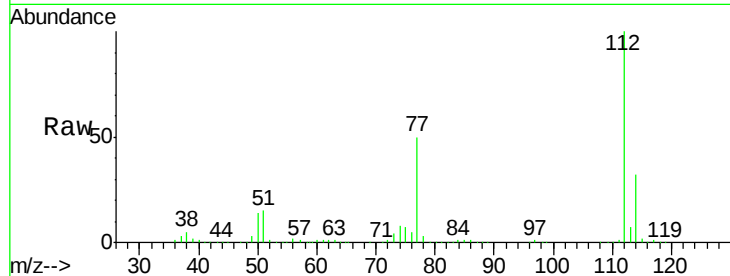
Ion Ratio Lower Upper

112 100

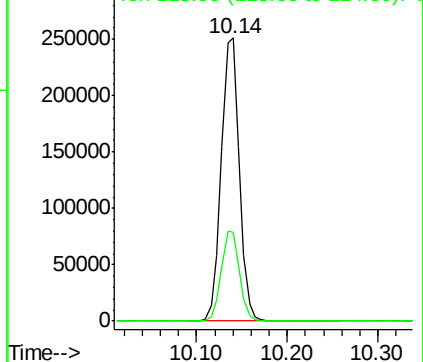
114 31.5 25.8 38.8

Manual Integrations
APPROVED

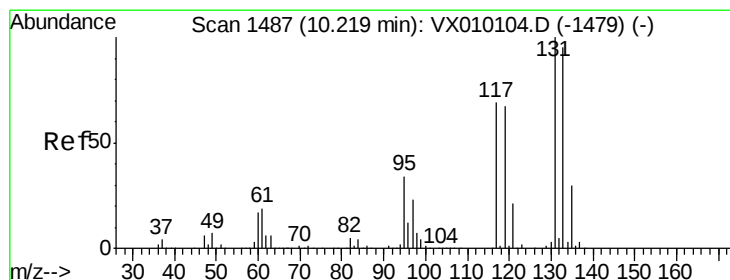
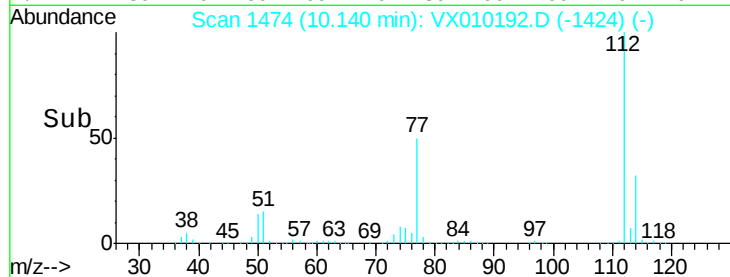
MMDadoda



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



6/11/2019 11:54:03 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 49.366 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

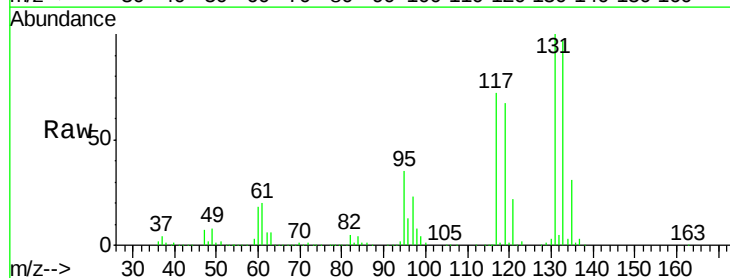
Tgt Ion:131 Resp: 134765

Ion Ratio Lower Upper

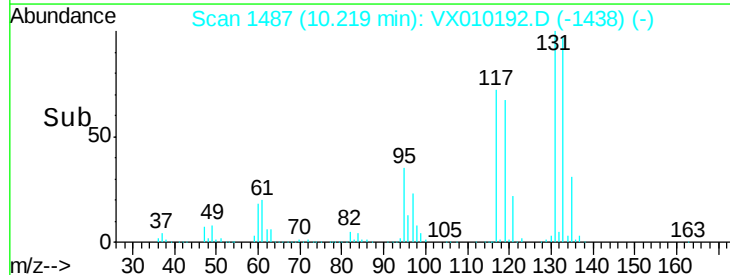
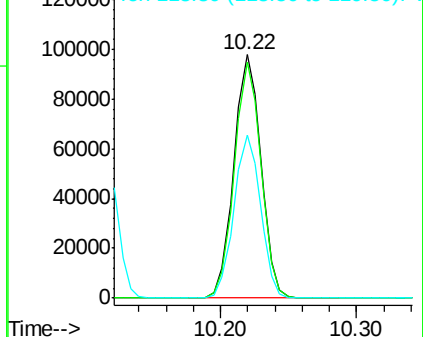
131 100

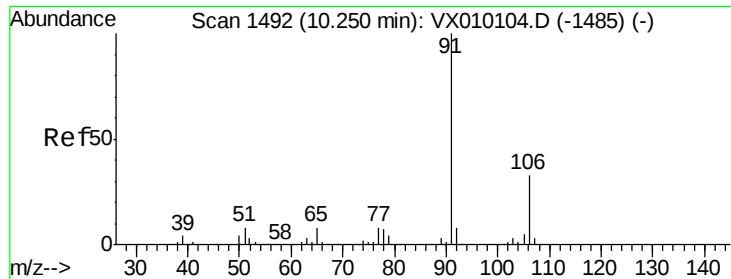
133 95.6 47.5 142.6

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





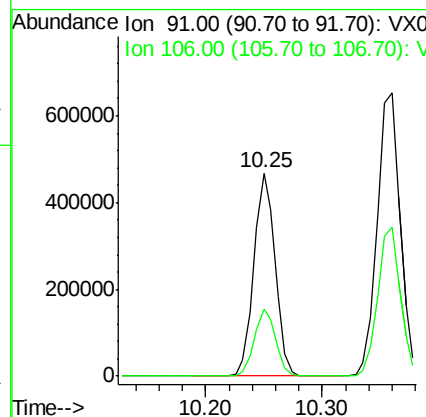
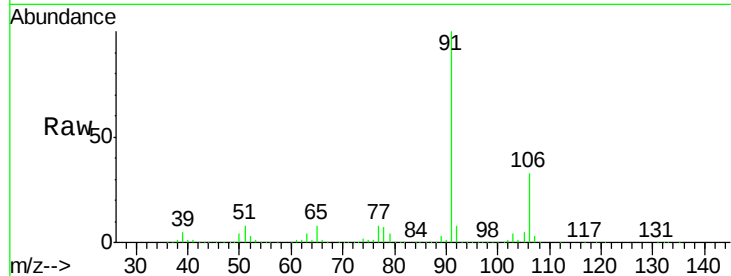
#67
Ethyl Benzene
Concen: 49.578 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010192.D
Acq: 10 Jun 2019 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

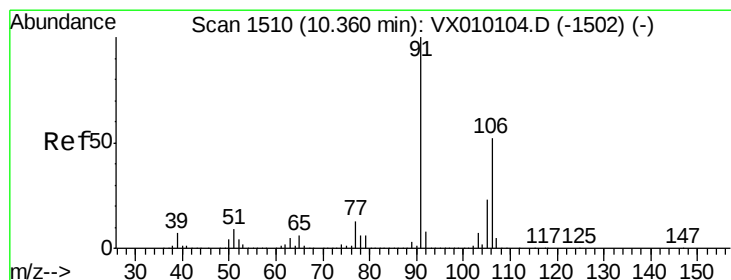
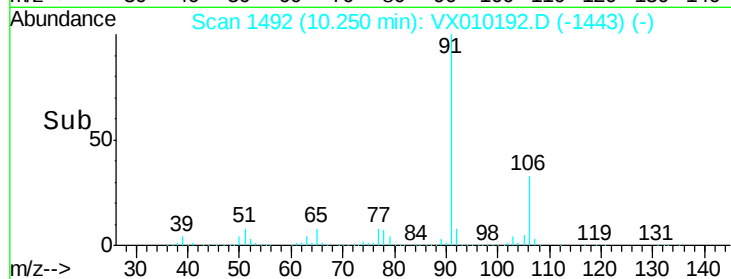
Tot Ion: 91 Resp: 599131
Ion Ratio Lower Upper
91 100
106 33.1 23.9 35.9

Manual Integrations
APPROVED

MMDadoda

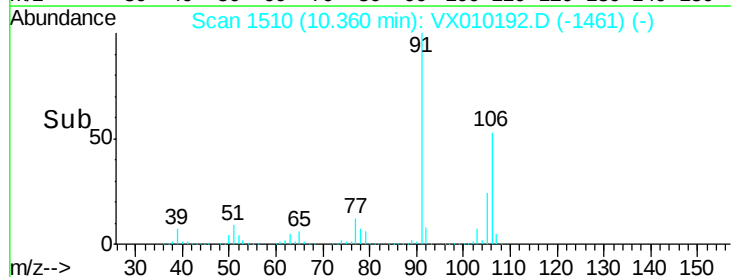
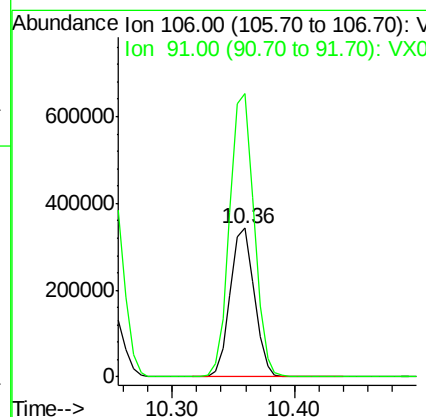
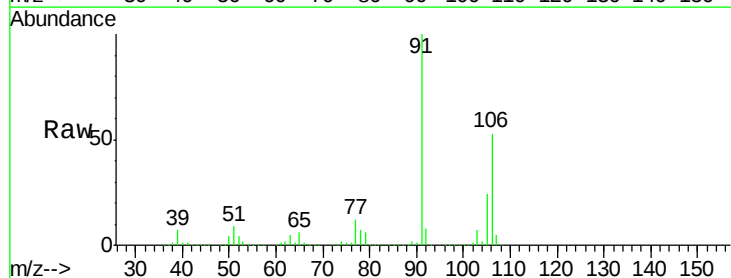


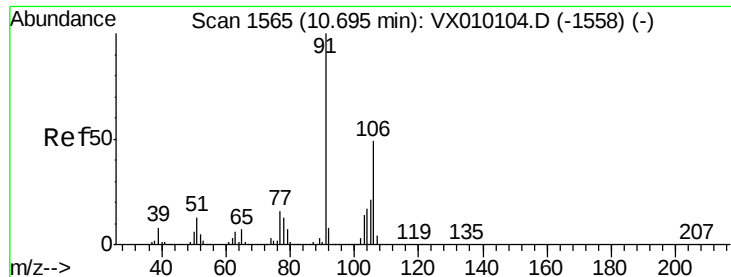
6/11/2019 11:54:03 AM



#68
m/p-Xylenes
Concen: 99.840 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010192.D
Acq: 10 Jun 2019 20:50

Tgt Ion: 106 Resp: 466889
Ion Ratio Lower Upper
106 100
91 193.3 167.3 250.9





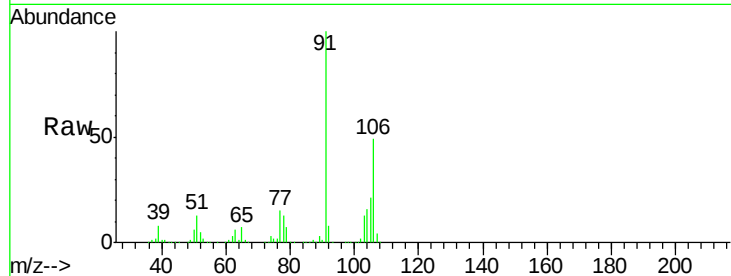
#69
o-Xylene
Concen: 50.051 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010192.D
Acq: 10 Jun 2019 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

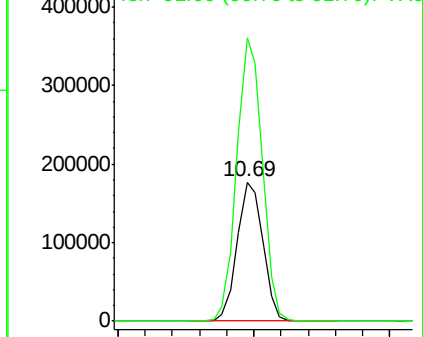
Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	232663		
91	91	202.5	110.4	331.2	

Manual Integrations
APPROVED

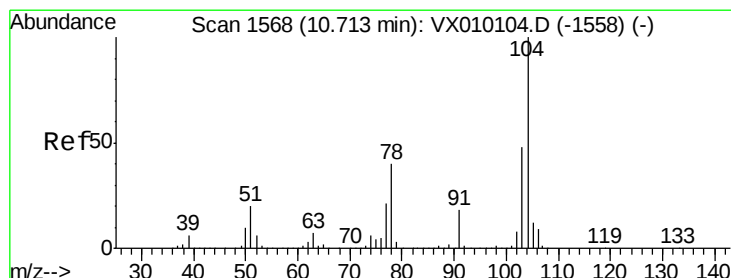
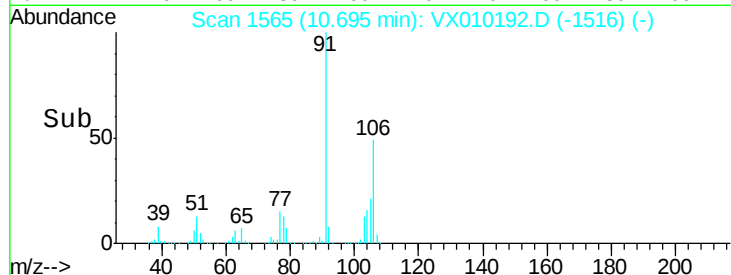
MMDadoda



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

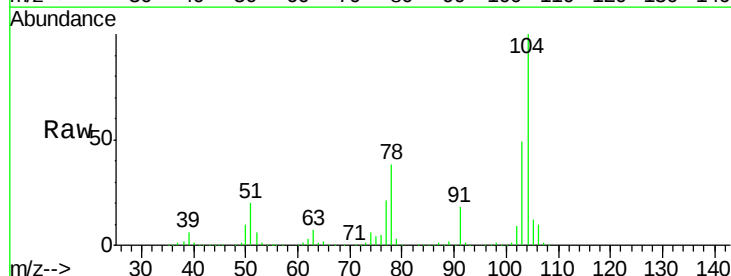


6/11/2019 11:54:03 AM

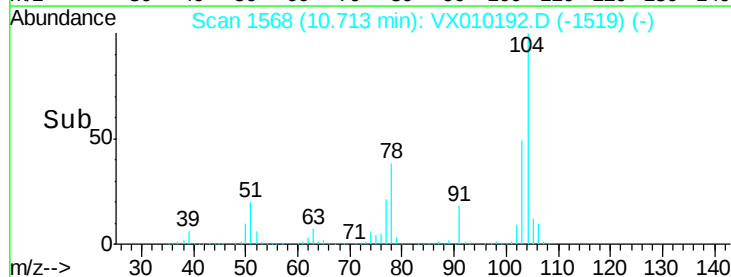
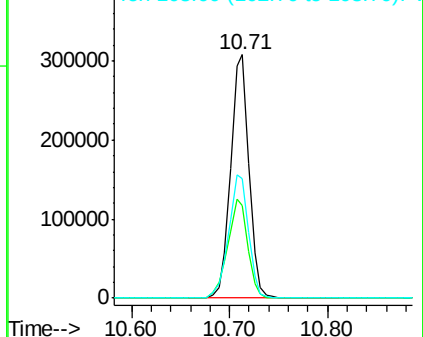


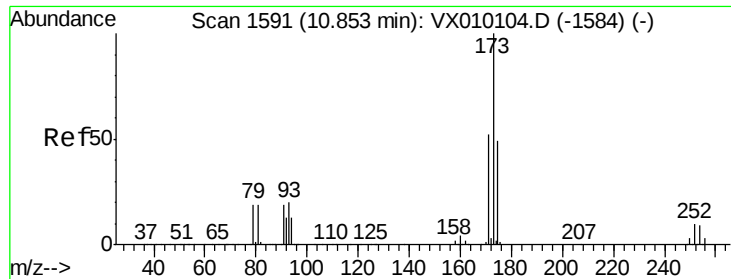
#70
Styrene
Concen: 50.743 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX010192.D
Acq: 10 Jun 2019 20:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	399501		
78	78	44.7	42.1	63.1	
103	103	55.0	44.1	66.1	



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





#71

Bromoform

Concen: 49.876 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 125170

Ion Ratio Lower Upper

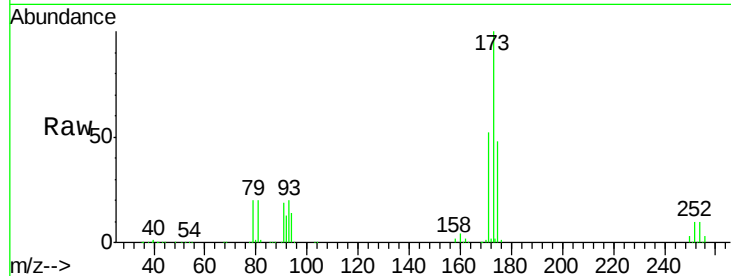
173 100

175 48.6 25.0 75.0

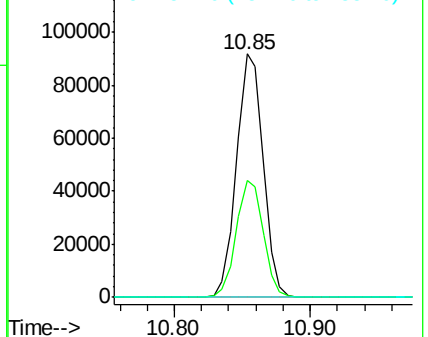
254 0.1 0.2 0.2#

Manual Integrations
APPROVED

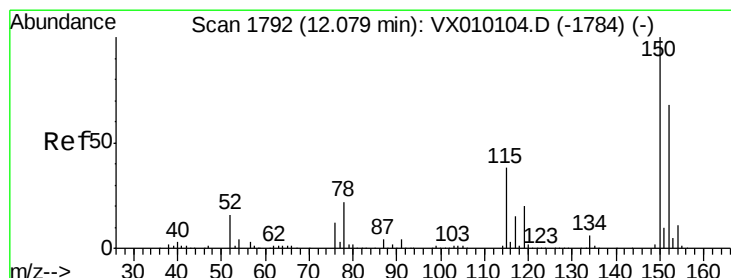
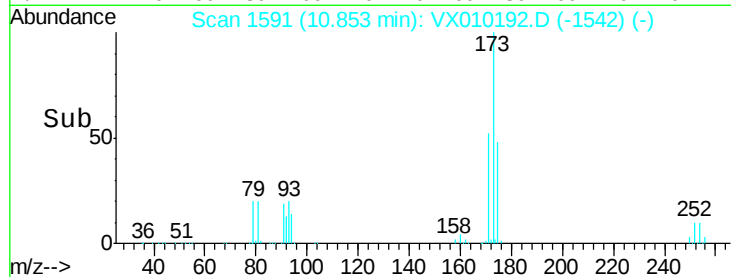
MMDadoda



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



6/11/2019 11:54:03 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

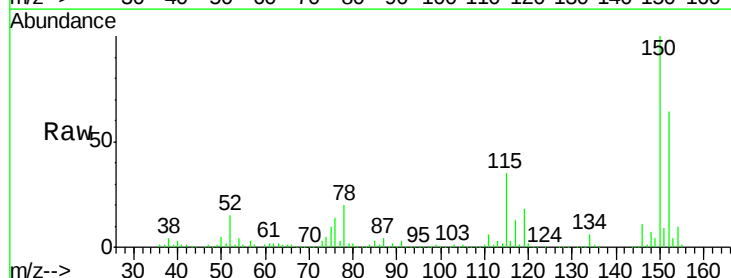
Tgt Ion:152 Resp: 179719

Ion Ratio Lower Upper

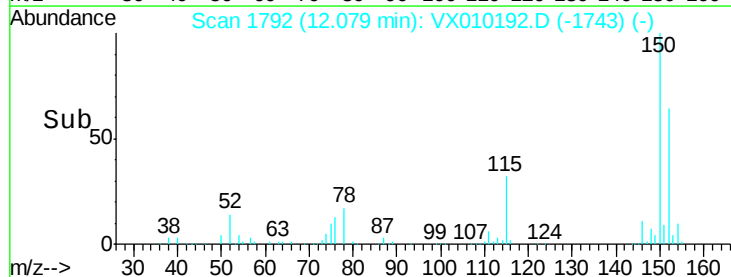
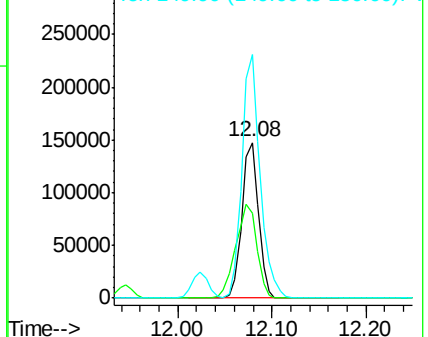
152 100

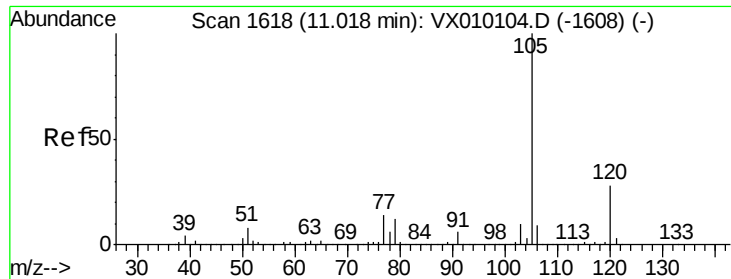
115 76.5 41.4 124.2

150 172.9 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: 48.275 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 605641

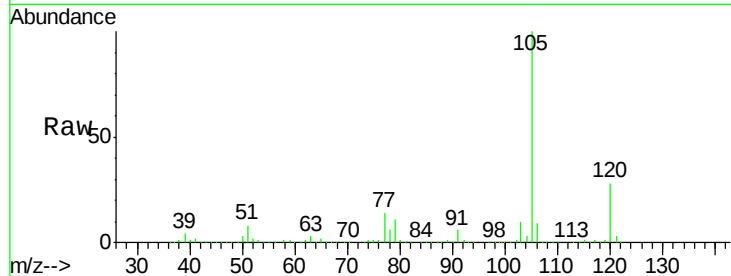
Ion Ratio Lower Upper

105 100

120 28.0 12.8 38.4

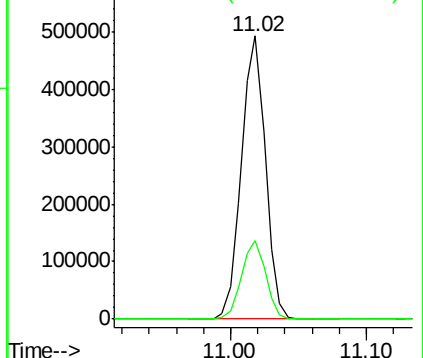
Manual Integrations
APPROVED

MMDadoda

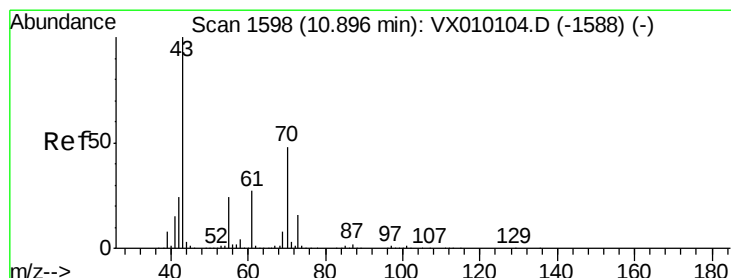
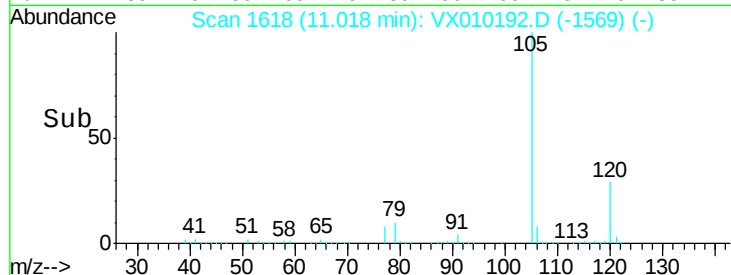


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



6/11/2019 11:54:03 AM



#74

N-ethyl acetate

Concen: 49.031 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

Tgt Ion: 43 Resp: 243155

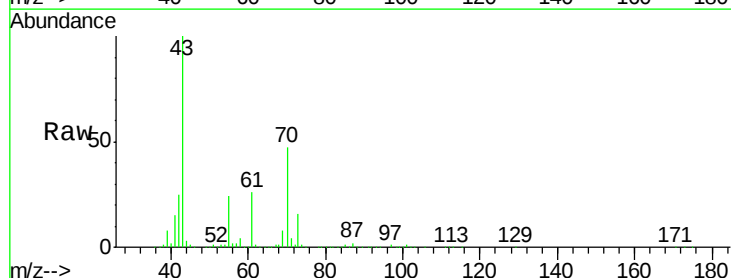
Ion Ratio Lower Upper

43 100

70 46.4 28.6 43.0#

55 23.7 17.8 26.8

61 26.6 17.7 26.5#

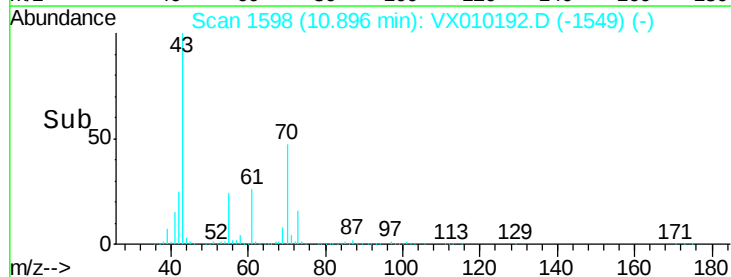
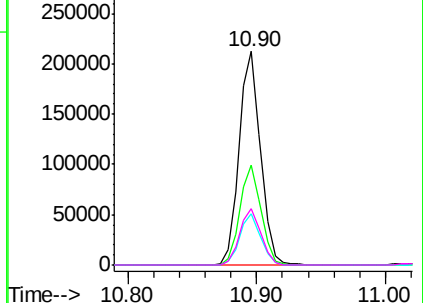


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.349 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

Instrument :

MSVOA_X

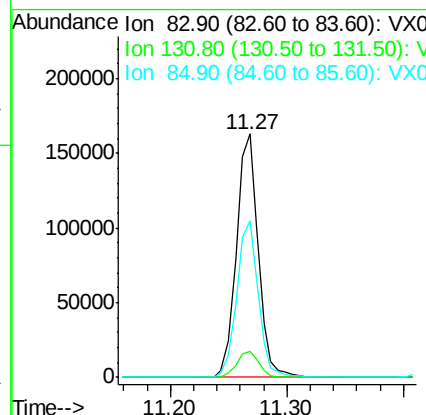
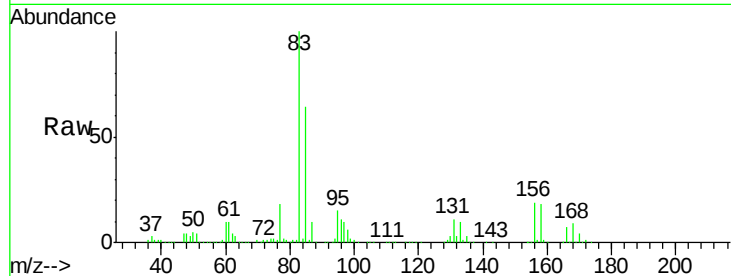
ClientSampleId :

VSTDCCC050EC

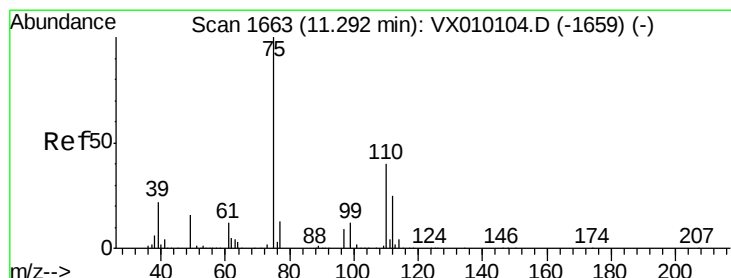
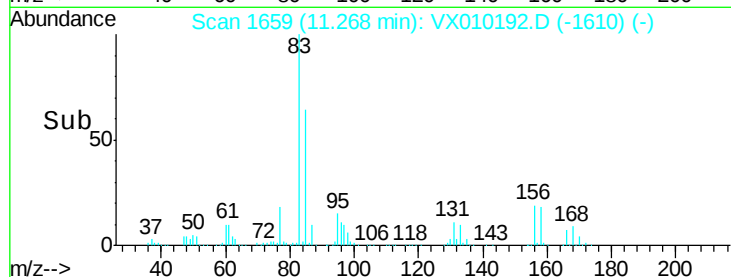
Tot Ion:	83	Resp:	211927
Ion Ratio	Lower	Upper	
83	100		
131	10.9	4.7	14.1
85	64.1	31.9	95.9

Manual Integrations
APPROVED

MMDadoda



6/11/2019 11:54:03 AM



#76

1,2,3-Trichloropropane

Concen: 47.951 ug/l m

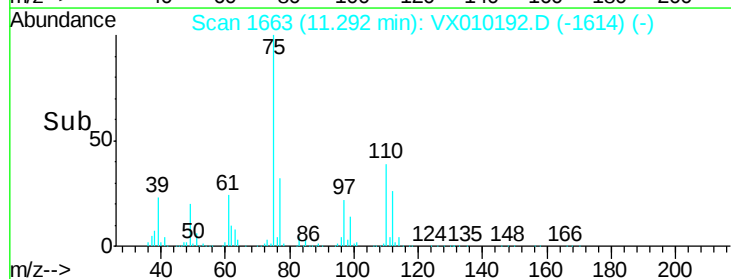
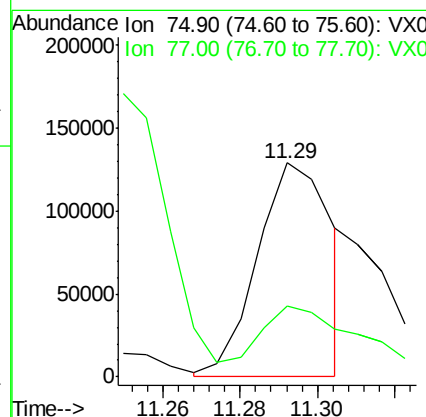
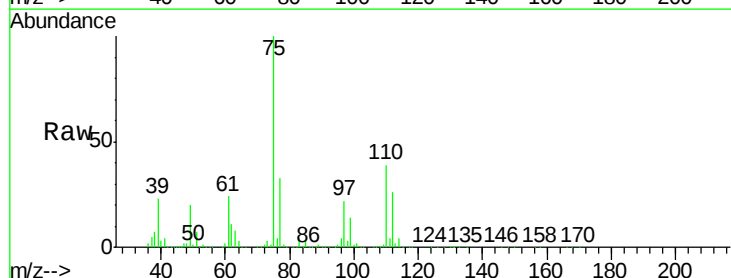
RT: 11.29 min Scan# 1663

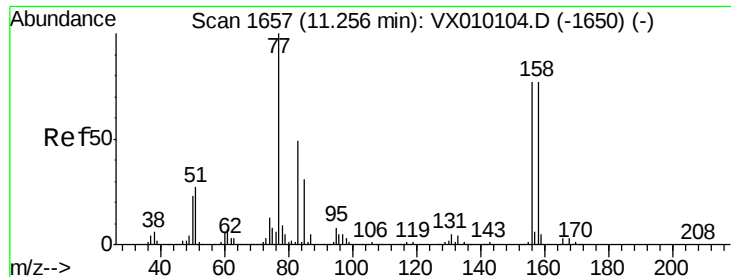
Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

Tgt Ion:	75	Resp:	172371
Ion Ratio	Lower	Upper	
75	100		
77	45.3	22.1	66.1





#77

Bromobenzene

Concen: 48.728 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 168110

Ion Ratio Lower Upper

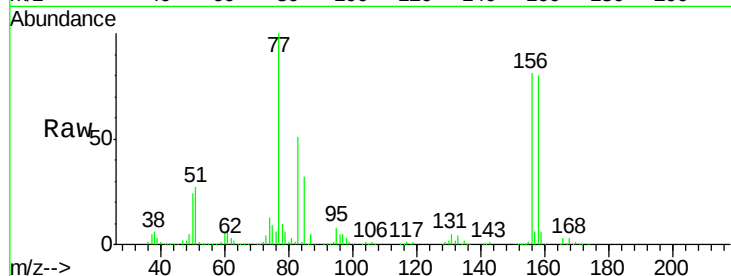
156 100

77 132.3 86.8 260.3

158 97.0 49.6 148.8

Manual Integrations
APPROVED

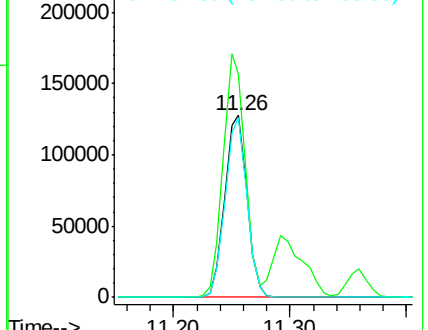
MMDadoda



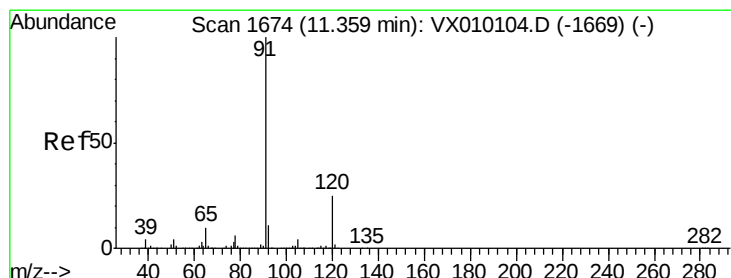
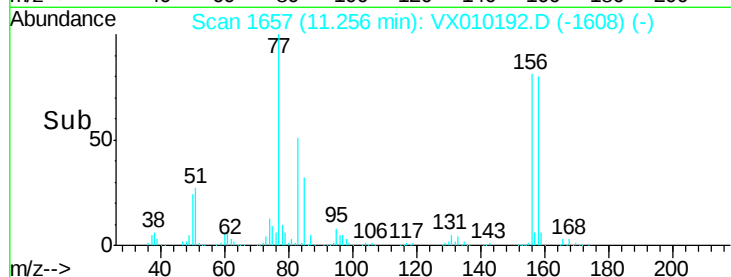
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



6/11/2019 11:54:03 AM



#78

n-propylbenzene

Concen: 48.402 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010192.D

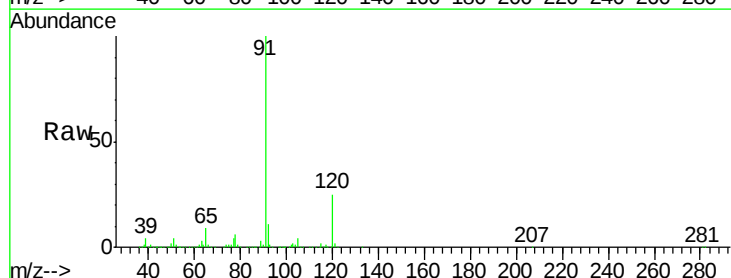
Acq: 10 Jun 2019 20:50

Tgt Ion: 91 Resp: 676018

Ion Ratio Lower Upper

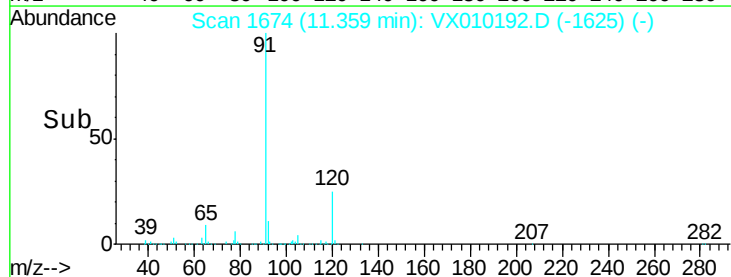
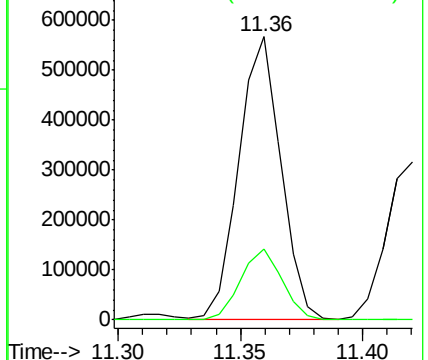
91 100

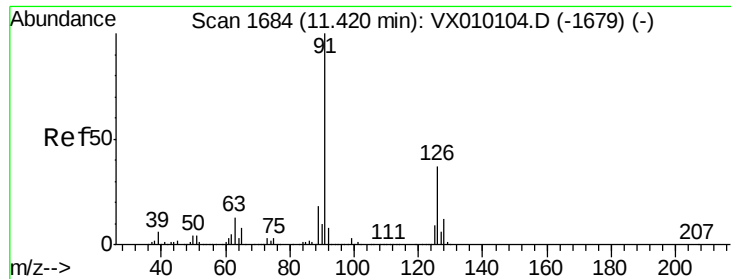
120 24.9 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.571 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 399045

Ion Ratio Lower Upper

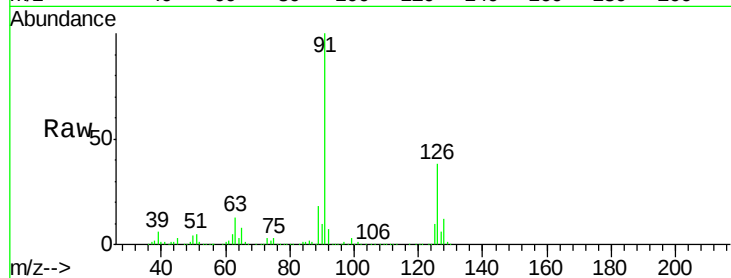
91 100

126 37.7 16.1 48.3

Manual Integrations

APPROVED

MMDadoda



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

Ion 125.90 (125.60 to 126.60): VX010104.D (-1679) (-)

600000

500000

400000

300000

200000

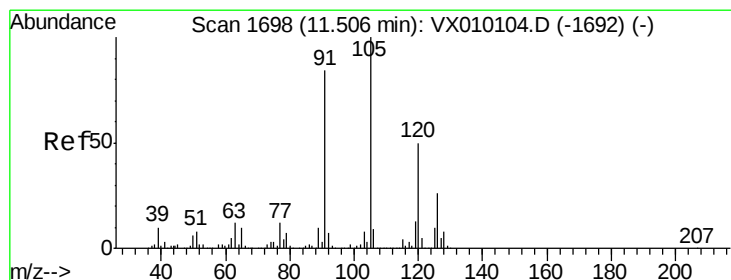
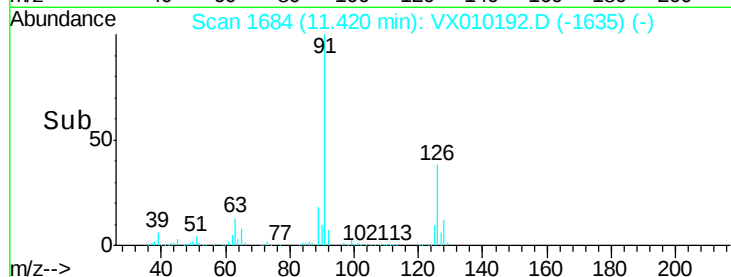
100000

0

11.40 11.42 11.44 11.46

Time-->

6/11/2019 11:54:03 AM



#80

1,3,5-Trimethylbenzene

Concen: 48.284 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010192.D

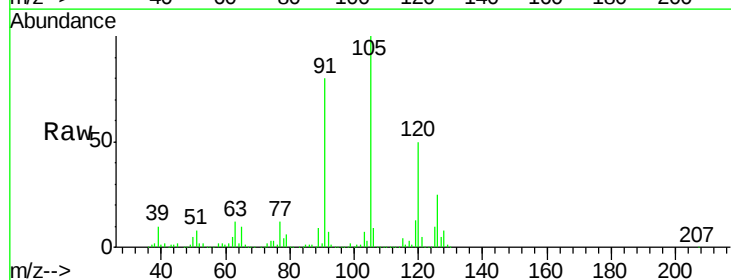
Acq: 10 Jun 2019 20:50

Tgt Ion: 105 Resp: 510207

Ion Ratio Lower Upper

105 100

120 50.5 24.1 72.3



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

Ion 120.00 (119.70 to 120.70): VX010104.D (-1692) (-)

500000

400000

300000

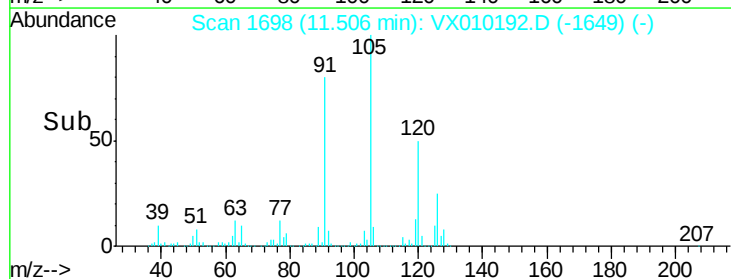
200000

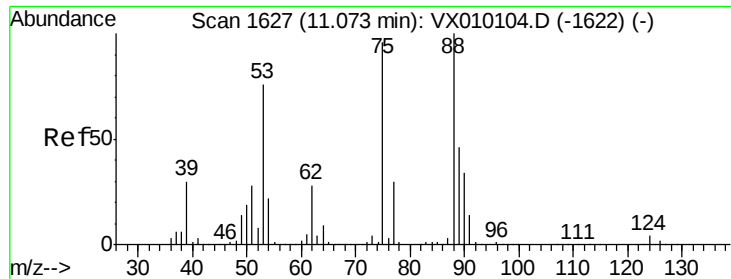
100000

0

11.45 11.50 11.55 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 46.094 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 74995

Ion Ratio Lower Upper

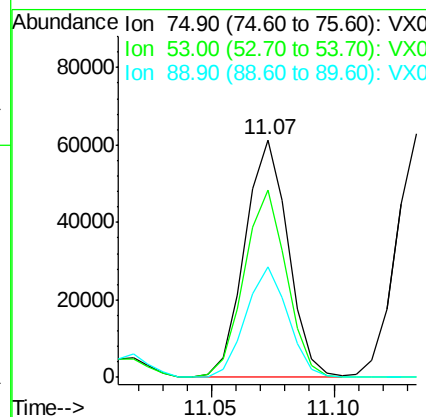
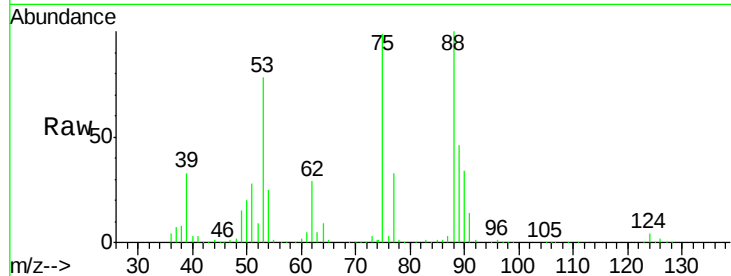
75 100

53 78.4 79.8 119.6#

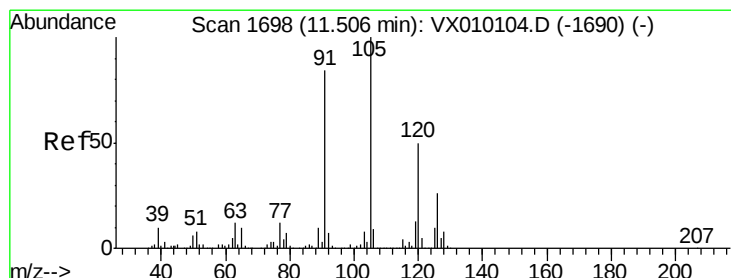
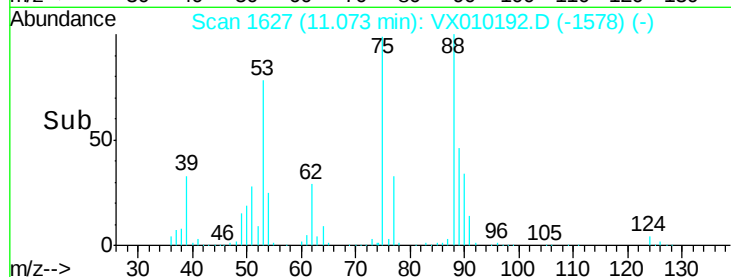
89 45.9 34.2 51.4

Manual Integrations
APPROVED

MMDadoda



6/11/2019 11:54:03 AM



#82

4-Chlorotoluene

Concen: 48.030 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010192.D

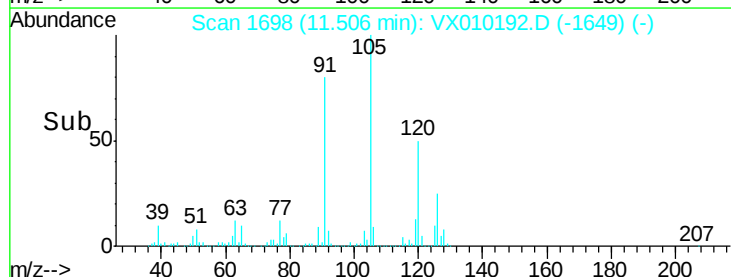
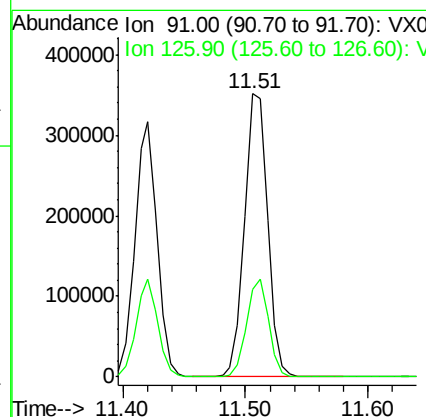
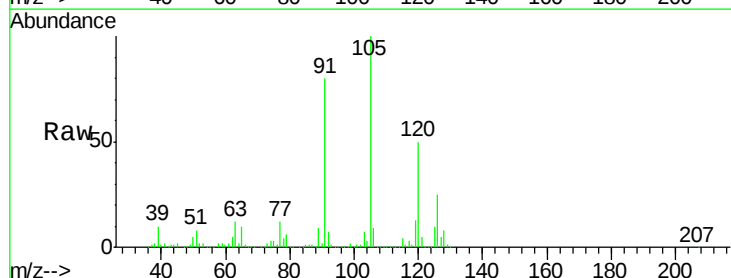
Acq: 10 Jun 2019 20:50

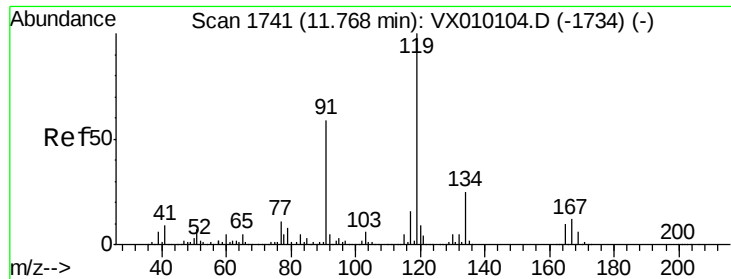
Tgt Ion: 91 Resp: 457680

Ion Ratio Lower Upper

91 100

126 33.0 14.2 42.6





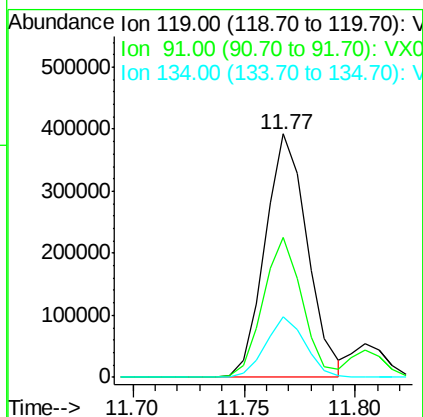
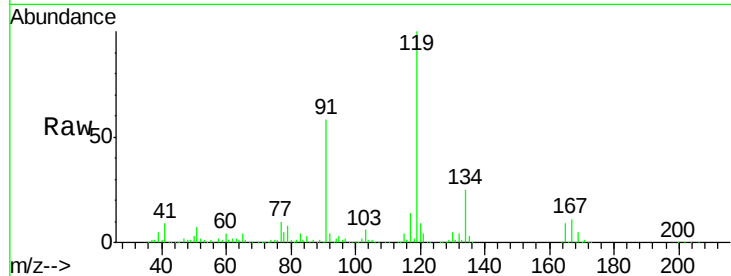
#83
 tert-Butylbenzene
 Concen: 48.375 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX010192.D
 Acq: 10 Jun 2019 20:50

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050EC

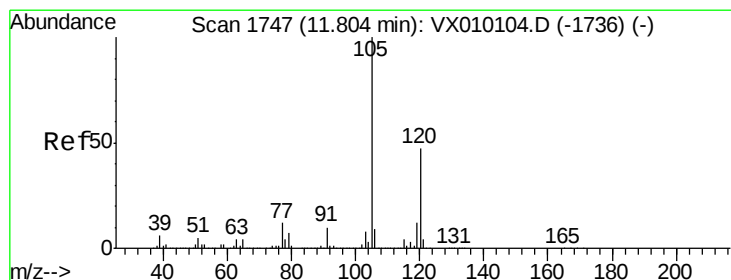
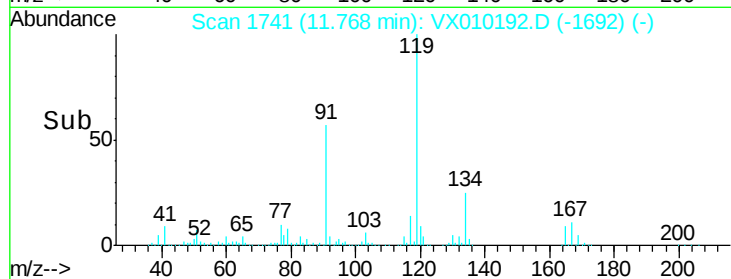
Tot Ion	Ratio	Lower	Upper
119	100		
91	53.6	30.0	90.0
134	23.1	11.2	33.5

Manual Integrations
 APPROVED

MMDadoda

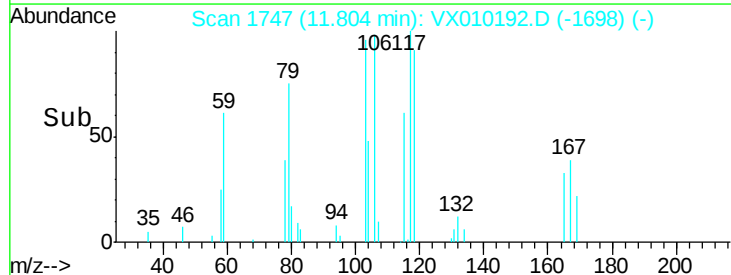
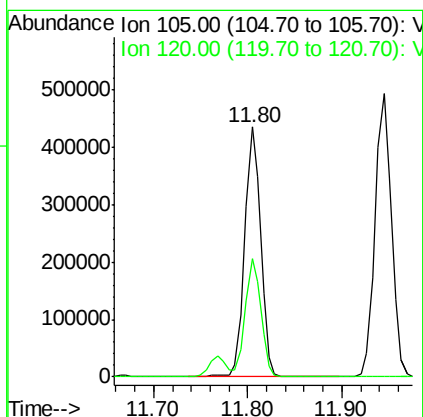
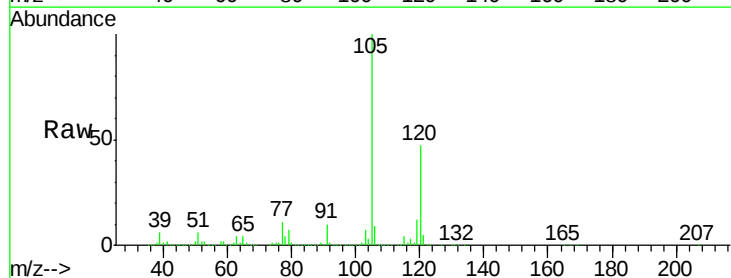


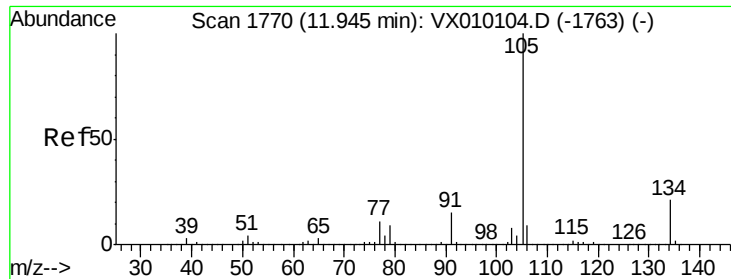
6/11/2019 11:54:03 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 48.316 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX010192.D
 Acq: 10 Jun 2019 20:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	22.1	66.1





#85

sec-Butylbenzene

Concen: 47.893 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 596750

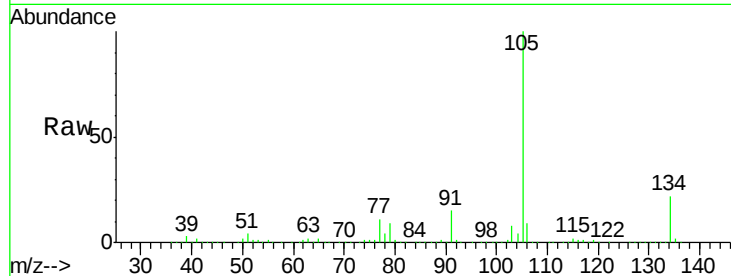
Ion Ratio Lower Upper

105 100

134 21.5 9.7 28.9

Manual Integrations
APPROVED

MMDadoda



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

500000

400000

300000

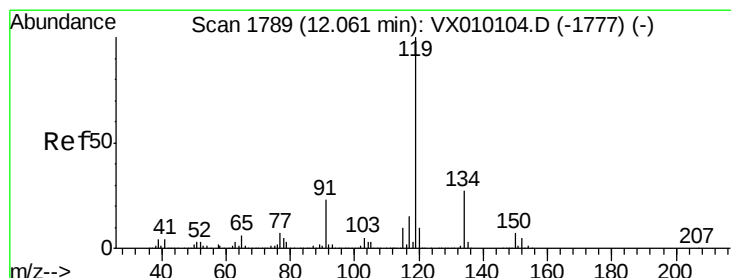
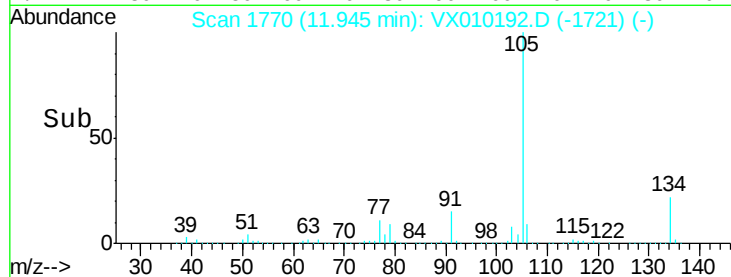
200000

100000

0

Time--> 11.85 11.90 11.95 12.00

6/11/2019 11:54:03 AM



#86

p-Isopropyltoluene

Concen: 48.439 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

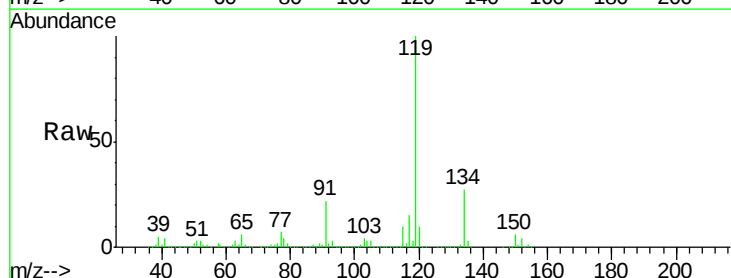
Tgt Ion:119 Resp: 551761

Ion Ratio Lower Upper

119 100

134 27.4 12.9 38.6

91 22.2 11.9 35.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.06

600000

500000

400000

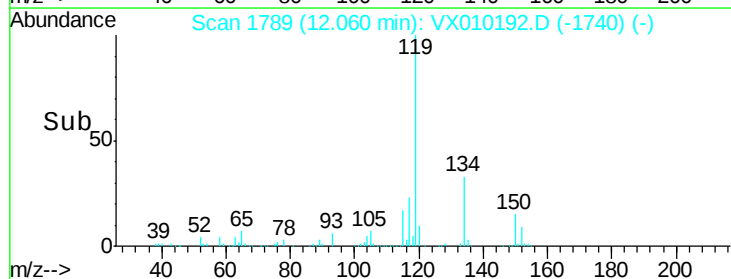
300000

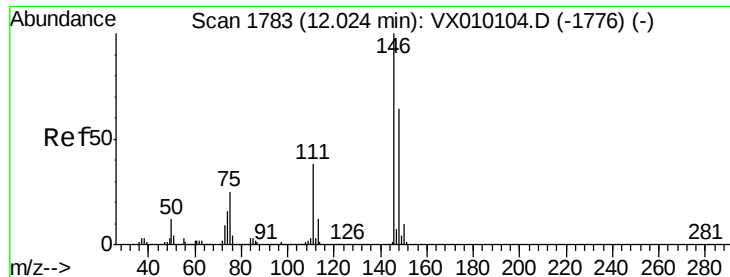
200000

100000

0

Time--> 12.00 12.10





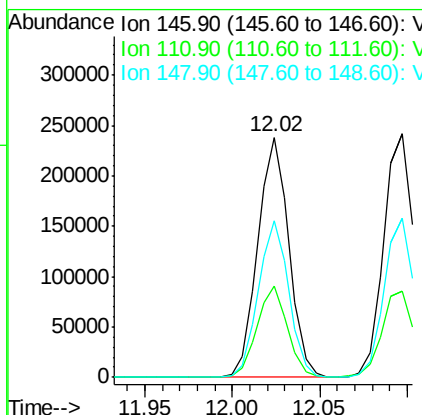
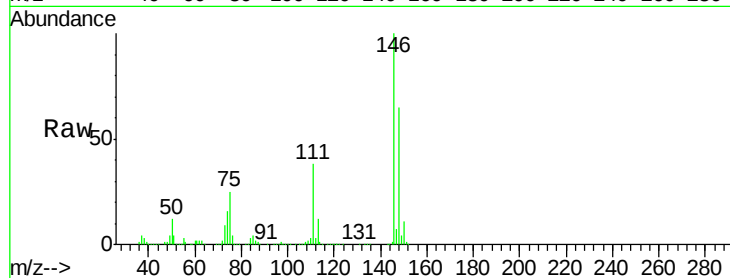
#87
 1,3-Dichlorobenzene
 Concen: 48.895 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010192.D
 Acq: 10 Jun 2019 20:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

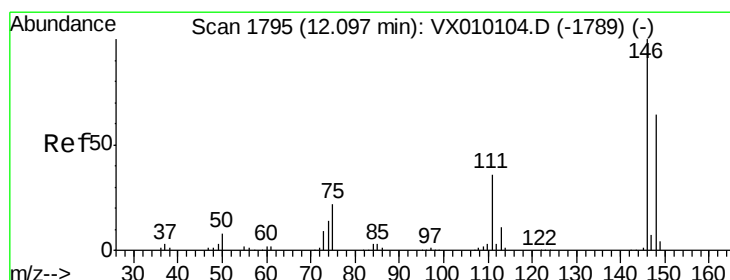
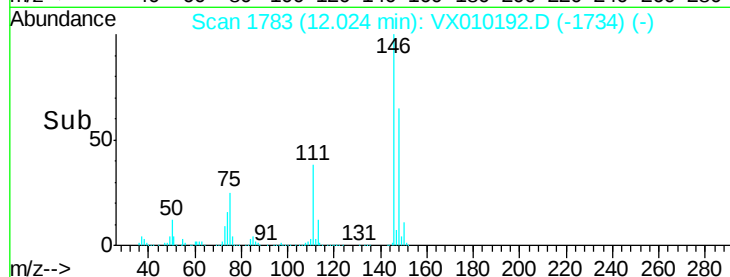
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	20.1	60.2
148	64.0	31.9	95.5

Manual Integrations
 APPROVED

MMDadoda

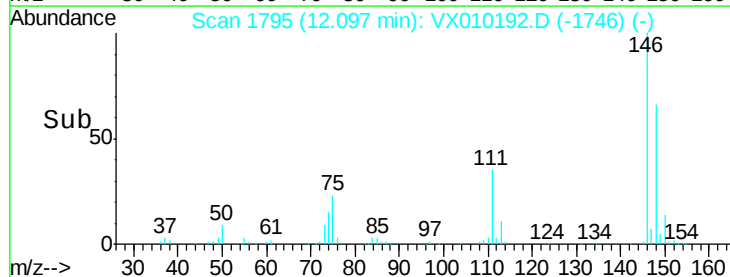
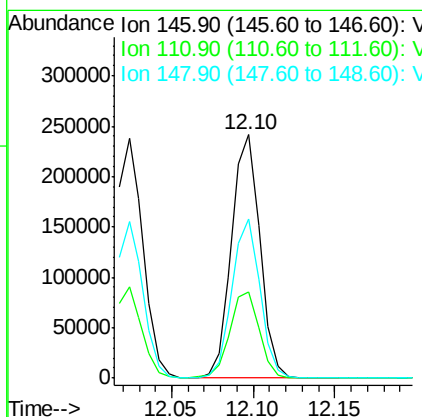
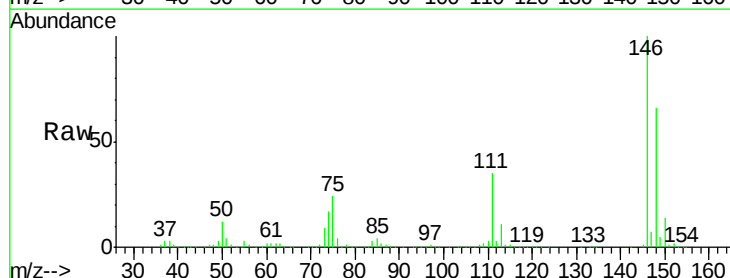


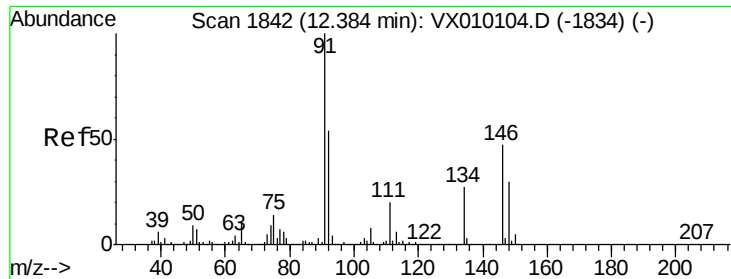
6/11/2019 11:54:03 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.678 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010192.D
 Acq: 10 Jun 2019 20:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	20.0	59.9
148	64.6	32.3	96.9





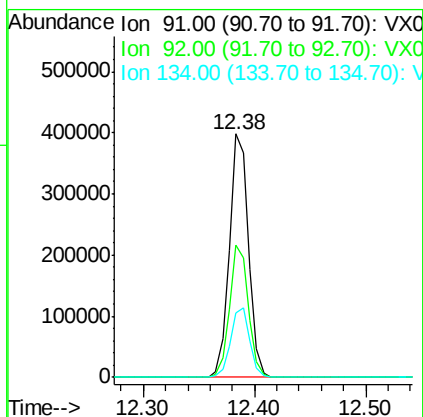
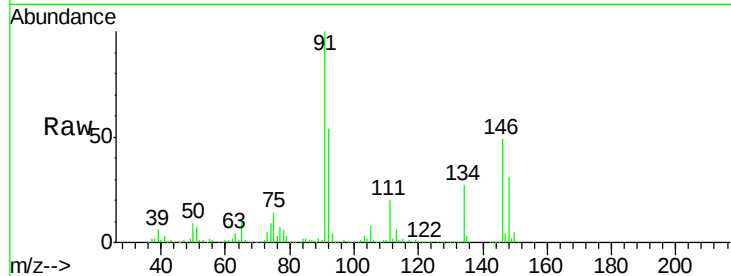
#89
n-Butylbenzene
Concen: 47.721 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010192.D
Acq: 10 Jun 2019 20:50

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

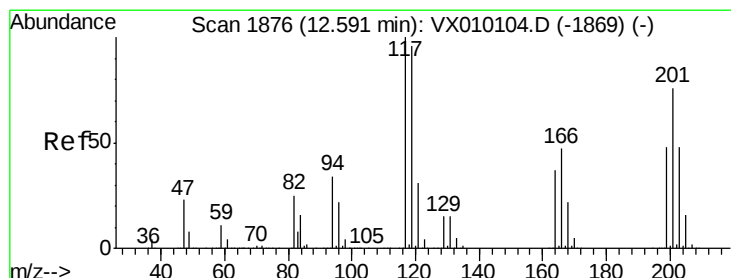
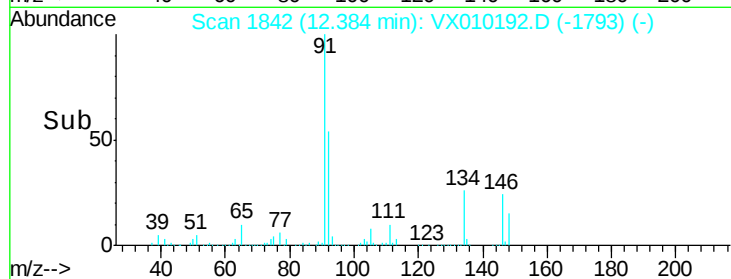
Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		467905		
92	53.6	26.3	78.8		
134	28.7	12.3	36.8		

Manual Integrations
APPROVED

MMDadoda

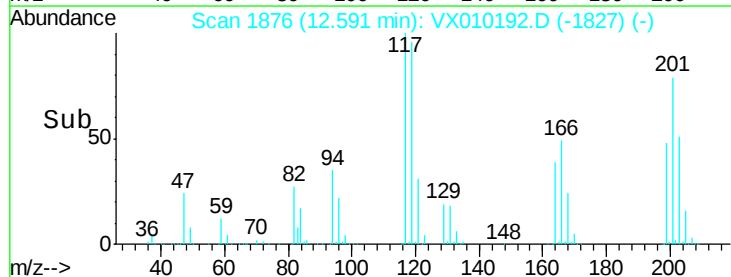
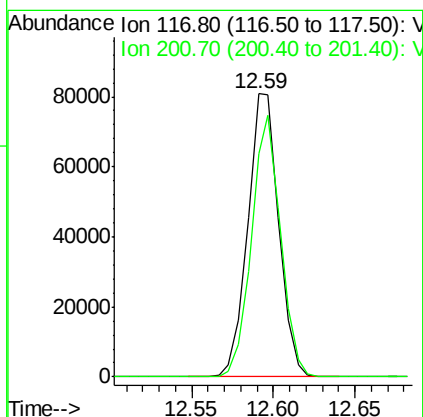
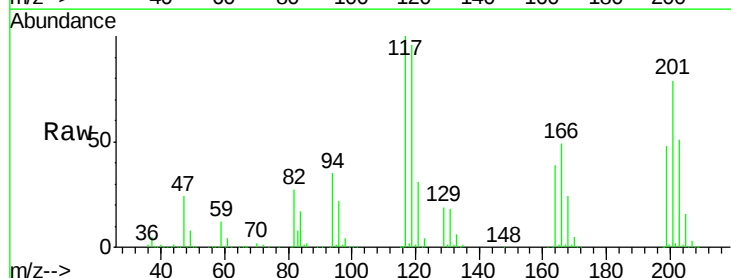


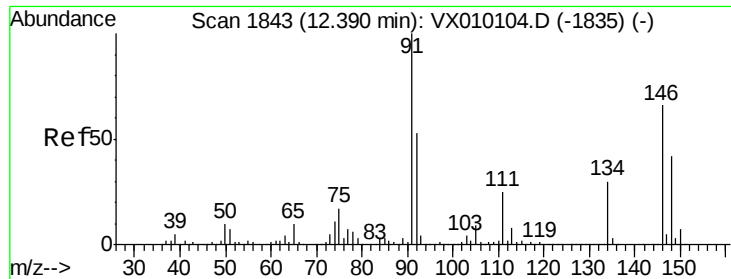
6/11/2019 11:54:03 AM



#90
Hexachloroethane
Concen: 47.109 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VX010192.D
Acq: 10 Jun 2019 20:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		106895		
201	86.7	43.6	130.9		





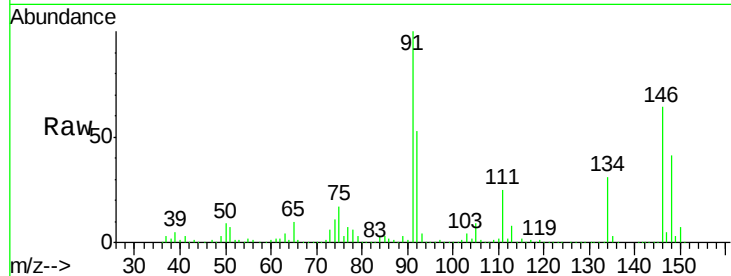
#91
 1,2-Dichlorobenzene
 Concen: 49.828 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010192.D
 Acq: 10 Jun 2019 20:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

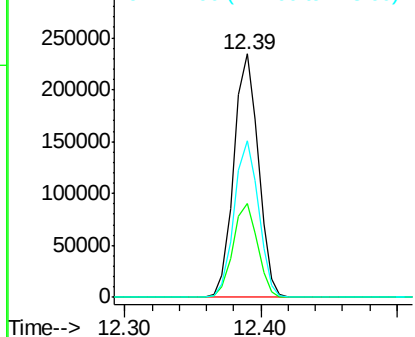
Tot Ion	Ratio	Resp	Lower	Upper
146	100	294375		
111	38.7	21.1	63.1	
148	64.2	32.3	96.8	

Manual Integrations
 APPROVED

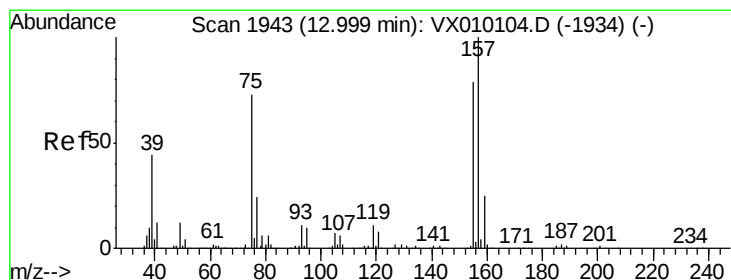
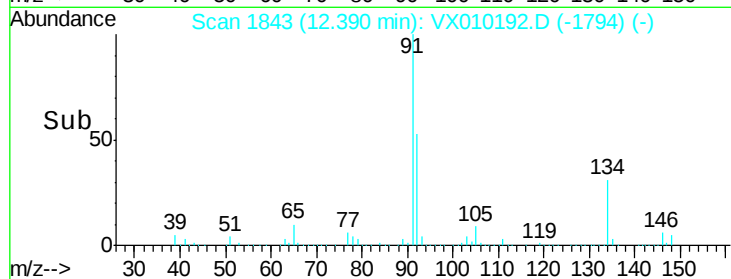
MMDadoda



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

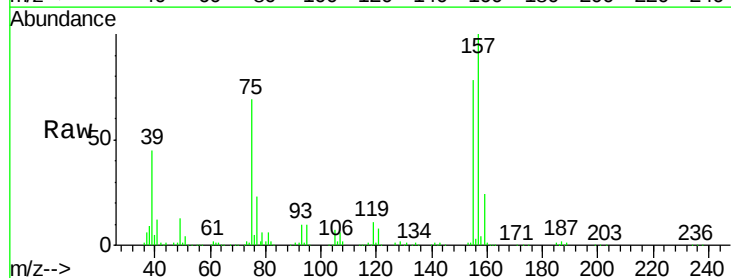


6/11/2019 11:54:03 AM

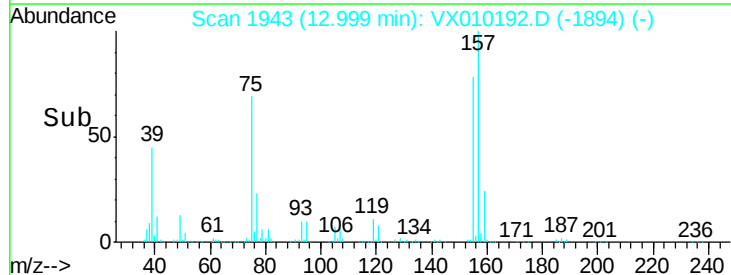
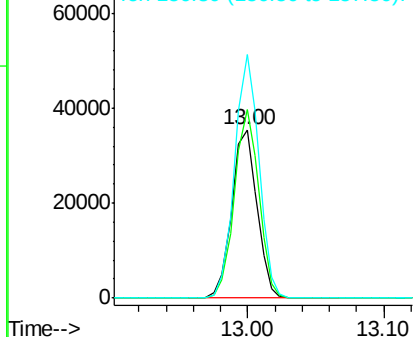


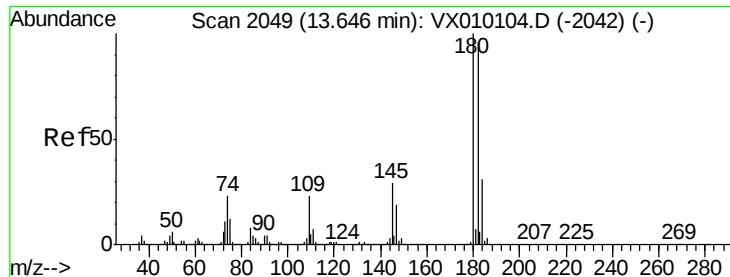
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.101 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX010192.D
 Acq: 10 Jun 2019 20:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	45577		
155	108.8	39.3	117.8	
157	140.2	50.6	151.8	



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





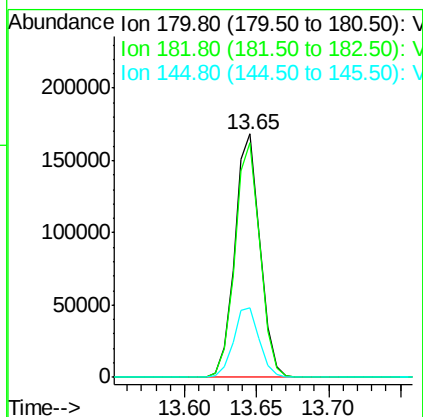
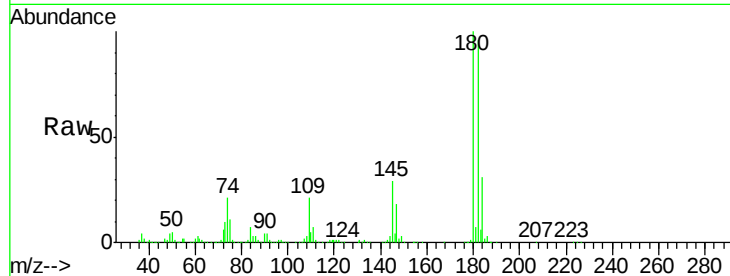
#93
 1,2,4-Trichlorobenzene
 Concen: 47.580 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010192.D
 Acq: 10 Jun 2019 20:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

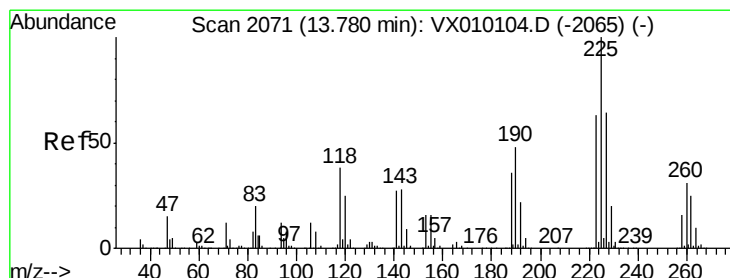
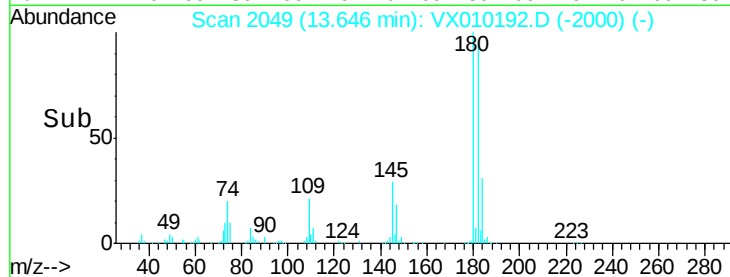
Tot Ion	Ratio	Resp	Lower	Upper
180	100	205758		
182	95.9	47.4	142.2	
145	29.1	14.5	43.5	

Manual Integrations
 APPROVED

MMDadoda

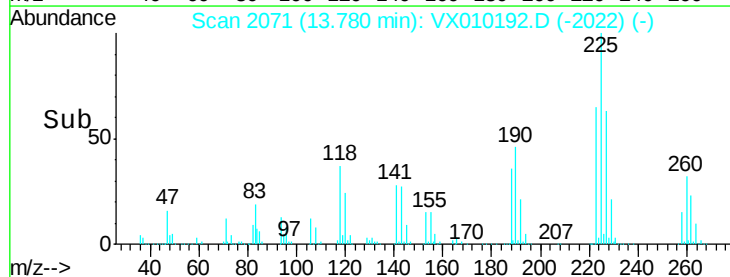
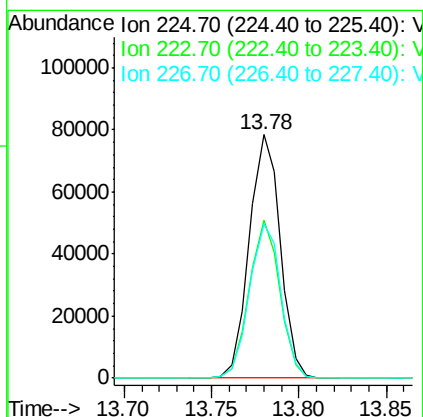
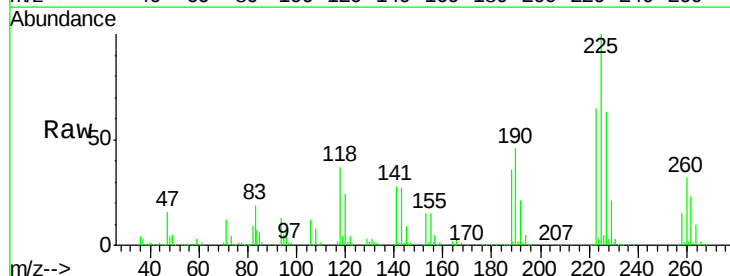


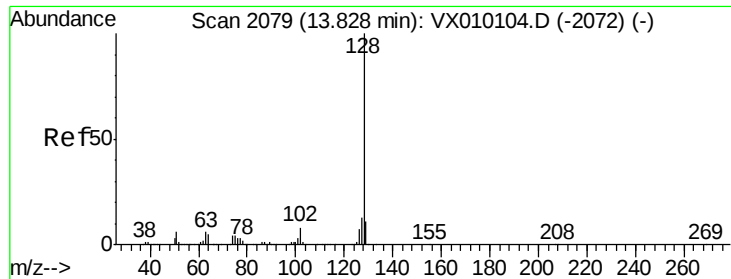
6/11/2019 11:54:03 AM



#94
 Hexachlorobutadiene
 Concen: 50.084 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX010192.D
 Acq: 10 Jun 2019 20:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	96323		
223	64.1	31.3	93.8	
227	64.4	32.3	96.8	





#95

Naphthalene

Concen: 48.562 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

Instrument :

MSVOA_X

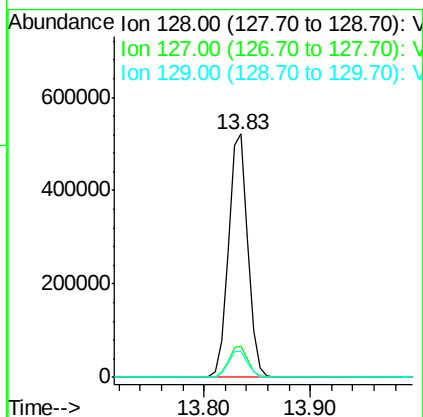
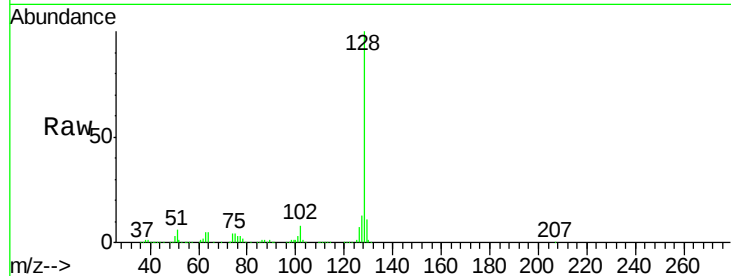
ClientSampleId :

VSTDCCC050EC

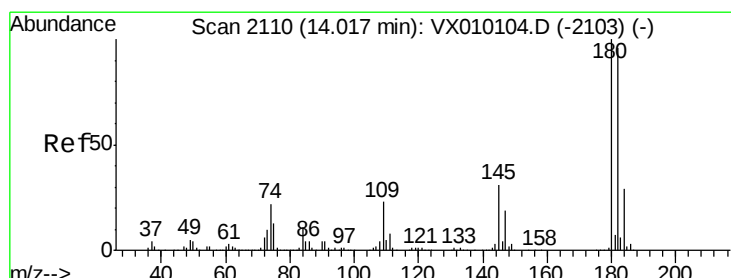
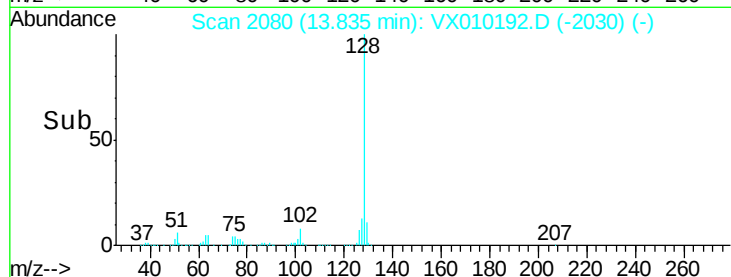
Tot Ion:	128	Resp:	661067
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	16.0
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda



6/11/2019 11:54:03 AM



#96

1,2,3-Trichlorobenzene

Concen: 47.945 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX010192.D

Acq: 10 Jun 2019 20:50

Tgt Ion:	180	Resp:	205002
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.3	142.0
145	30.6	15.6	46.7

