

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062519\
 Data File : VX010432.D
 Acq On : 25 Jun 2019 12:46
 Operator : JC/SP
 Sample : VX0625WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0625WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/1/2019 4:59:07 PM

Quant Time: Jun 26 01:47:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	272278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	402037	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	365555	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	183570	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	124081	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
35) Dibromofluoromethane	5.50	113	121172	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
50) Toluene-d8	8.71	98	461804	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
62) 4-Bromofluorobenzene	11.13	95	165038	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	35542	18.776	ug/l	98
3) Chloromethane	1.33	50	39527	17.932	ug/l	97
4) Vinyl Chloride	1.41	62	44636	18.488	ug/l	98
5) Bromomethane	1.64	94	25336	21.541	ug/l	98
6) Chloroethane	1.72	64	26928	18.905	ug/l	97
7) Trichlorofluoromethane	1.93	101	74505	19.467	ug/l	99
8) Diethyl Ether	2.19	74	26567	19.357	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	44401	19.144	ug/l	99
10) Methyl Iodide	2.51	142	54096	16.343	ug/l	98
11) Tert butyl alcohol	3.04	59	63912	95.676	ug/l	99
12) 1,1-Dichloroethene	2.37	96	44156	18.710	ug/l	97
13) Acrolein	2.29	56	36661	82.731	ug/l	99
14) Allyl chloride	2.73	41	65624	19.586	ug/l	100
15) Acrylonitrile	3.14	53	129033	97.562	ug/l	98
16) Acetone	2.44	43	127452	99.617	ug/l	97
17) Carbon Disulfide	2.57	76	108644	17.159	ug/l	100
18) Methyl Acetate	2.78	43	50895	19.959	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	144998	19.530	ug/l	99
20) Methylene Chloride	2.85	84	50665	19.242	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	47811	18.836	ug/l	96
22) Diisopropyl ether	3.85	45	135360	19.322	ug/l	99
23) Vinyl Acetate	3.81	43	604316	99.857	ug/l	99
24) 1,1-Dichloroethane	3.70	63	79588	19.655	ug/l	99
25) 2-Butanone	4.67	43	186543	99.397	ug/l	100
26) 2,2-Dichloropropane	4.58	77	69179	19.666	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	56424	19.237	ug/l	99
28) Bromochloromethane	5.01	49	33625	17.368	ug/l	98
29) Tetrahydrofuran	5.13	42	113787	97.883	ug/l	99
30) Chloroform	5.21	83	84509	19.397	ug/l	99
31) Cyclohexane	5.58	56	69344	18.805	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	74537	19.375	ug/l	99
36) 1,1-Dichloropropene	5.80	75	61220	19.162	ug/l	99
37) Ethyl Acetate	4.84	43	64474	19.617	ug/l	99
38) Carbon Tetrachloride	5.78	117	66636	19.261	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062519\
 Data File : VX010432.D
 Acq On : 25 Jun 2019 12:46
 Operator : JC/SP
 Sample : VX0625WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0625WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/1/2019 4:59:07 PM

Quant Time: Jun 26 01:47:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	80025	19.056	ug/l	98
40) Benzene	6.14	78	194943	19.586	ug/l	98
41) Methacrylonitrile	5.04	41	35011	19.414	ug/l	98
42) 1,2-Dichloroethane	6.20	62	61967	20.452	ug/l	100
43) Isopropyl Acetate	6.45	43	107658	19.798	ug/l	99
44) Trichloroethene	7.21	130	57544	19.321	ug/l	98
45) 1,2-Dichloropropane	7.51	63	49119	19.542	ug/l	97
46) Dibromomethane	7.66	93	35682	19.786	ug/l	98
47) Bromodichloromethane	7.90	83	63766	19.294	ug/l	100
48) Methyl methacrylate	7.77	41	50514	19.985	ug/l	99
49) 1,4-Dioxane	7.74	88	29468	404.712	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	349365	100.456	ug/l	100
52) Toluene	8.79	92	126988	19.374	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	70097	18.918	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	77907	19.348	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	53779	19.894	ug/l	98
56) Ethyl methacrylate	9.18	69	79573	19.431	ug/l	99
57) 1,3-Dichloropropane	9.37	76	82848	19.743	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	201148	103.425	ug/l	100
59) 2-Hexanone	9.49	43	277373	101.337	ug/l	99
60) Dibromochloromethane	9.58	129	56910	18.802	ug/l	100
61) 1,2-Dibromoethane	9.67	107	57057	19.554	ug/l	98
64) Tetrachloroethene	9.34	164	58335	19.730	ug/l	97
65) Chlorobenzene	10.13	112	145665	19.628	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	54638	20.212	ug/l	99
67) Ethyl Benzene	10.25	91	244903	19.547	ug/l	100
68) m/p-Xylenes	10.36	106	187769	38.678	ug/l	98
69) o-Xylene	10.69	106	94377	19.768	ug/l	99
70) Styrene	10.71	104	158306	19.772	ug/l	99
71) Bromoform	10.85	173	43517	18.511	ug/l #	97
73) Isopropylbenzene	11.02	105	246231	19.787	ug/l	99
74) N-amyl acetate	10.90	43	94438	20.081	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	82376	19.989	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	69751m	20.852	ug/l	
77) Bromobenzene	11.26	156	67357	19.385	ug/l	99
78) n-propylbenzene	11.36	91	269862	19.732	ug/l	100
79) 2-Chlorotoluene	11.42	91	159355	19.567	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	204374	19.923	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	25647	17.886	ug/l	95
82) 4-Chlorotoluene	11.51	91	183921	19.847	ug/l	97
83) tert-Butylbenzene	11.77	119	205453	19.954	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	208217	20.203	ug/l	99
85) sec-Butylbenzene	11.94	105	239225	19.788	ug/l	99
86) p-Isopropyltoluene	12.06	119	223191	19.960	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	119084	19.634	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	118996	19.271	ug/l	99
89) n-Butylbenzene	12.38	91	184919	19.461	ug/l	99
90) Hexachloroethane	12.60	117	36439	18.846	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	118338	19.631	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	16855	18.970	ug/l	95

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062519\
Data File : VX010432.D
Acq On : 25 Jun 2019 12:46
Operator : JC/SP
Sample : VX0625WBSD02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0625WBSD01

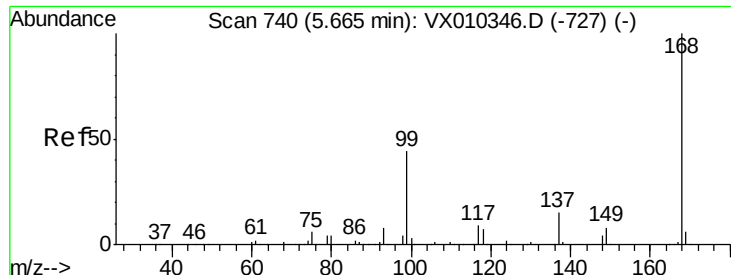
Manual Integrations
APPROVED

MMDadoda
7/1/2019 4:59:07 PM

Quant Time: Jun 26 01:47:19 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	80428	19.239	ug/l	99
94) Hexachlorobutadiene	13.78	225	39802	19.481	ug/l	98
95) Naphthalene	13.83	128	253978	19.770	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	84065	20.226	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

Instrument :

MSVOA_X

ClientSampleId :

VX0625WBSD01

Tot Ion:168 Resp: 272278

Ion Ratio Lower Upper

168 100

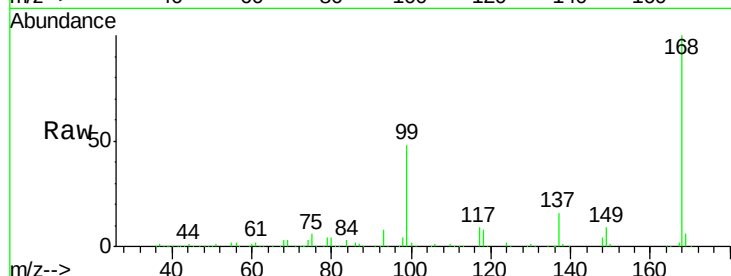
99 47.6 35.5 53.3

Manual Integrations

APPROVED

MMDadoda

7/1/2019 4:59:07 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

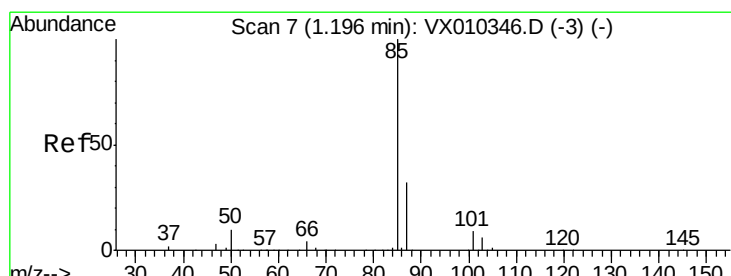
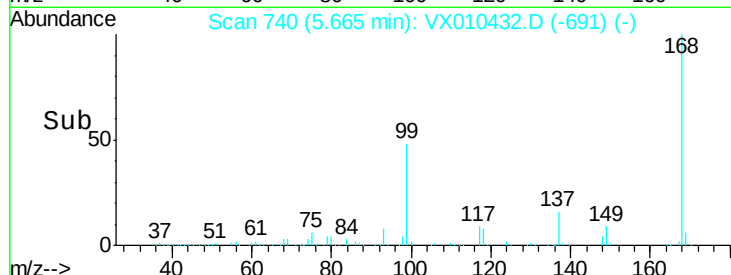
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.776 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010432.D

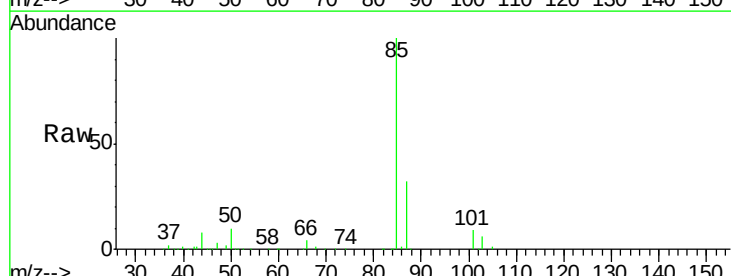
Acq: 25 Jun 2019 12:46

Tgt Ion: 85 Resp: 35542

Ion Ratio Lower Upper

85 100

87 31.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

40000

30000

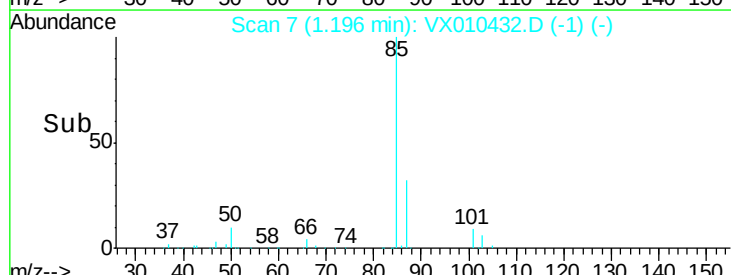
20000

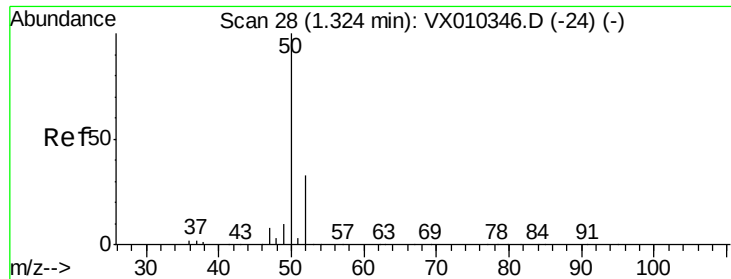
10000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 17.932 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

Instrument :

MSVOA_X

ClientSampleId :

VX0625WBSD01

Tot Ion: 50 Resp: 39527

Ion Ratio Lower Upper

50 100

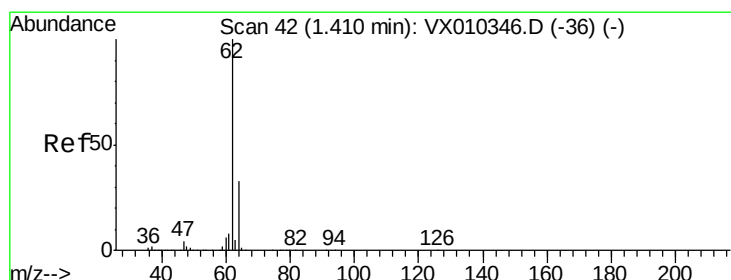
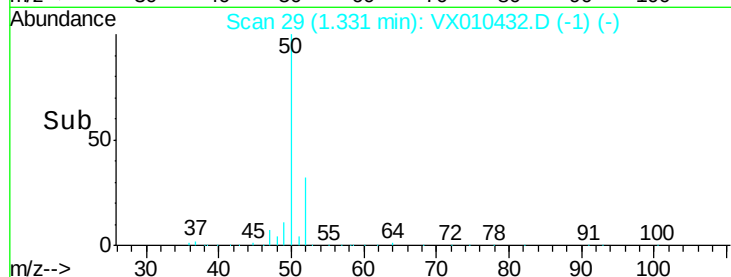
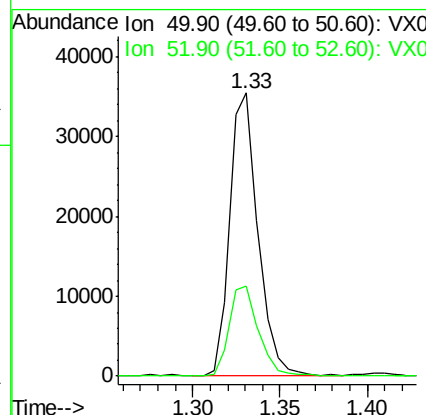
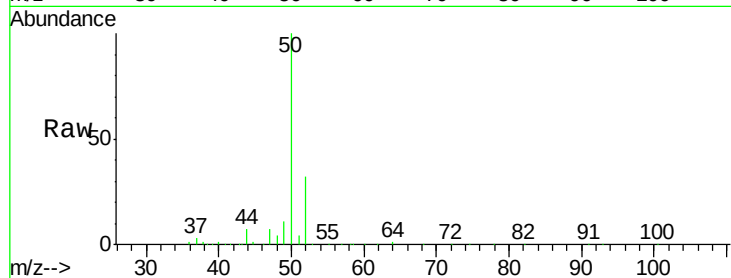
52 31.7 26.5 39.7

Manual Integrations

APPROVED

MMDadoda

7/1/2019 4:59:07 PM



#4

Vinyl Chloride

Concen: 18.488 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010432.D

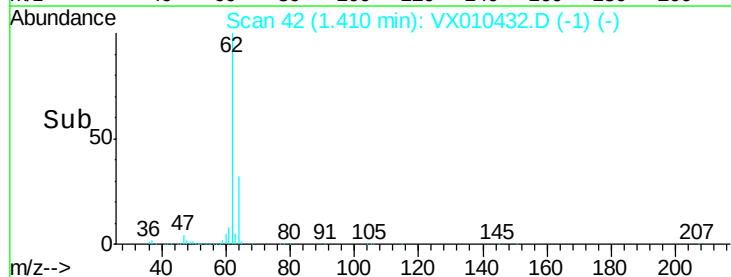
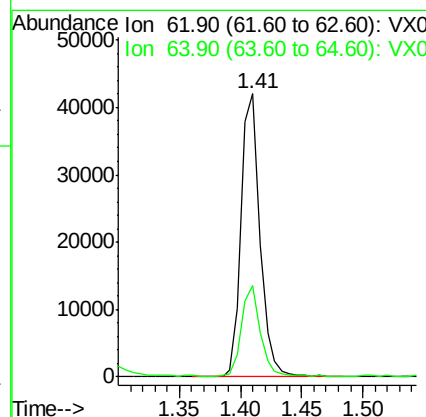
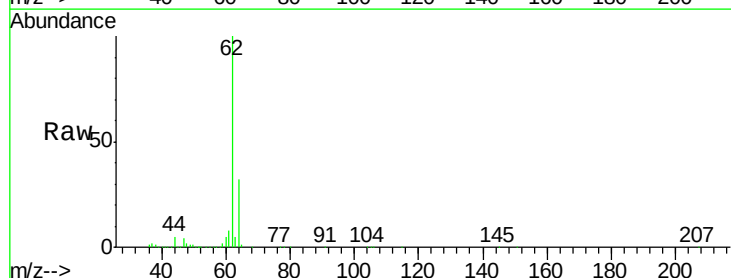
Acq: 25 Jun 2019 12:46

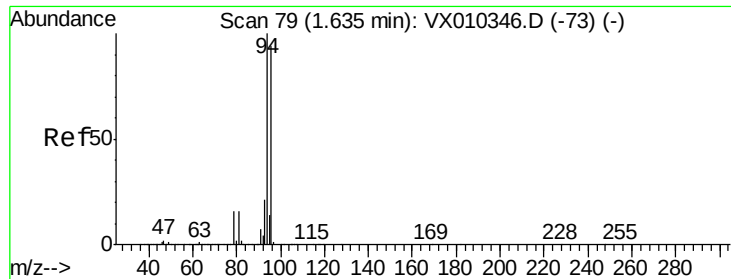
Tgt Ion: 62 Resp: 44636

Ion Ratio Lower Upper

62 100

64 31.7 26.2 39.4





#5

Bromomethane

Concen: 21.541 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

Instrument :

MSVOA_X

ClientSampleId :

VX0625WBSD01

Tot Ion: 94 Resp: 25336

Ion Ratio Lower Upper

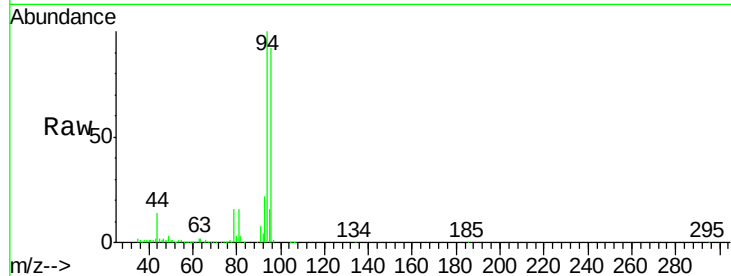
94 100

96 92.2 75.5 113.3

Manual Integrations
APPROVED

MMDadoda

7/1/2019 4:59:07 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

25000

20000

15000

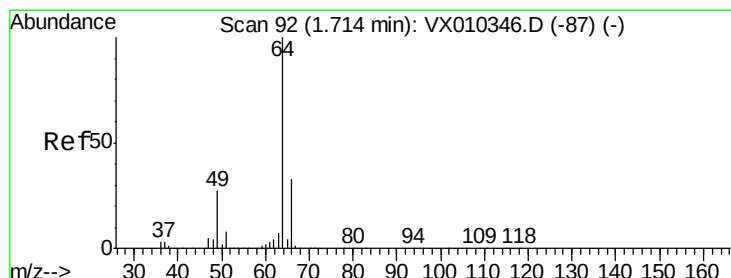
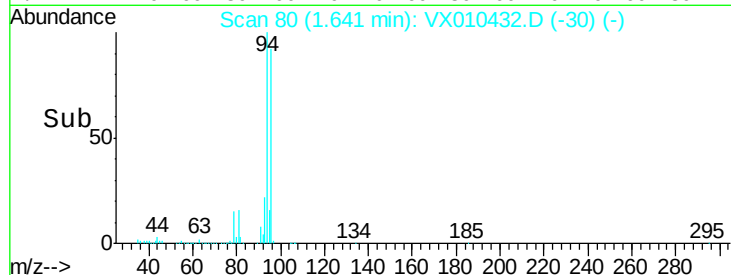
10000

5000

0

Time-->

1.55 1.60 1.65 1.70 1.75



#6

Chloroethane

Concen: 18.905 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010432.D

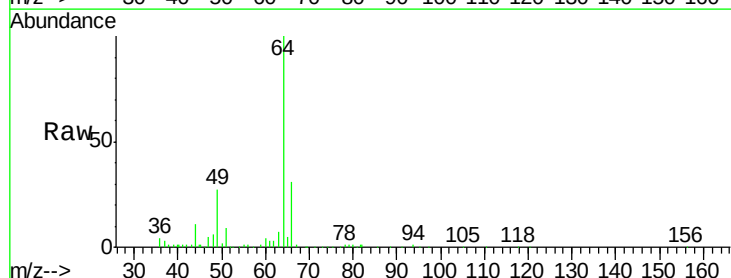
Acq: 25 Jun 2019 12:46

Tgt Ion: 64 Resp: 26928

Ion Ratio Lower Upper

64 100

66 31.6 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

20000

15000

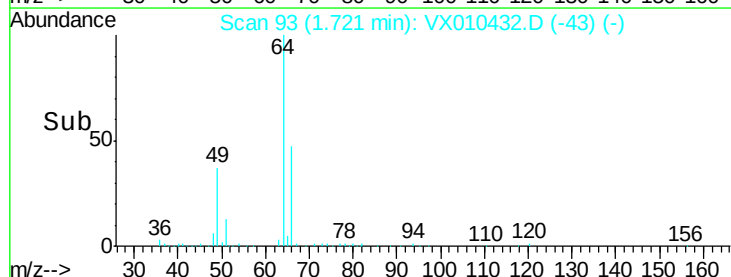
10000

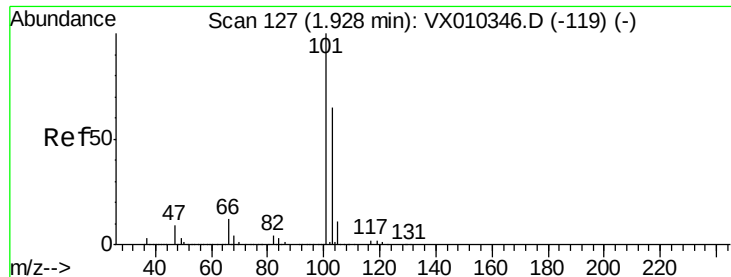
5000

0

Time-->

1.65 1.70 1.75 1.80





#7

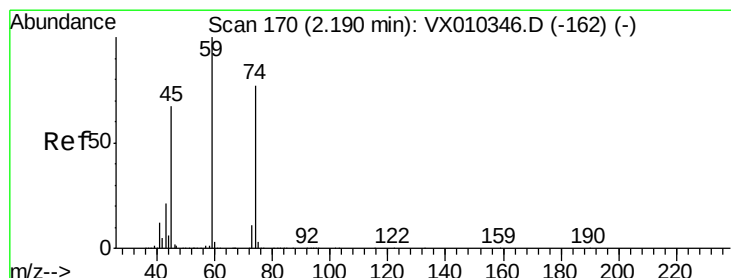
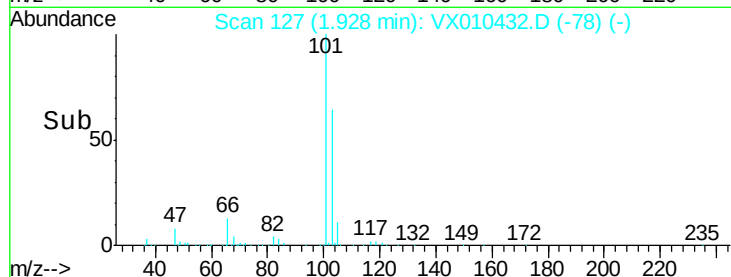
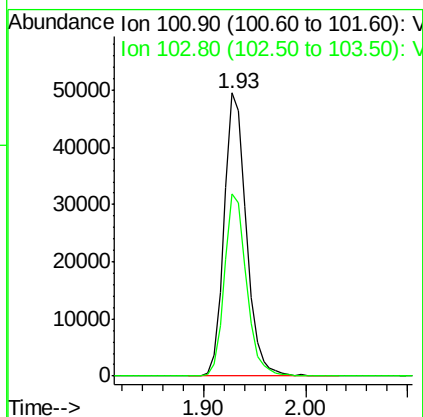
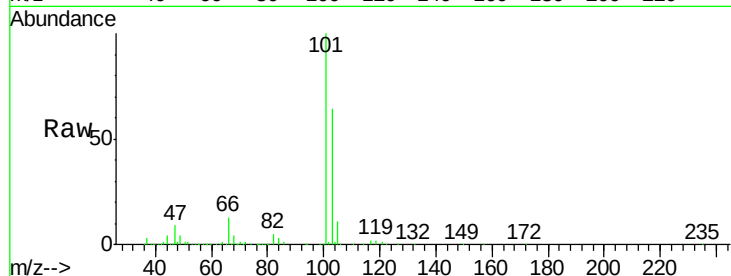
Trichlorofluoromethane
Concen: 19.467 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX010432.D
Acq: 25 Jun 2019 12:46

Instrument :
MSVOA_X
ClientSampleId :
VX0625WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.3	78.5

Manual Integrations
APPROVED

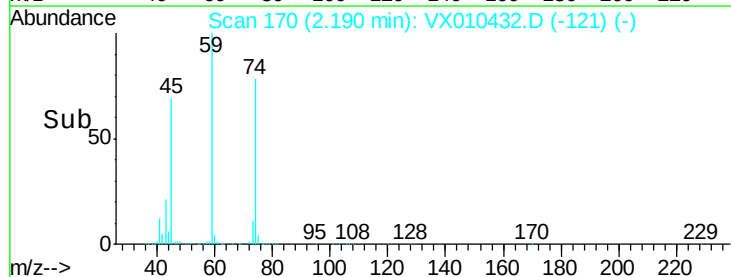
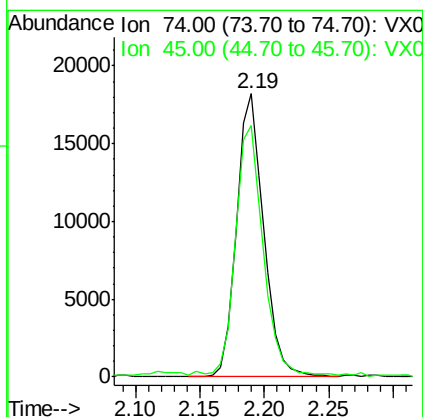
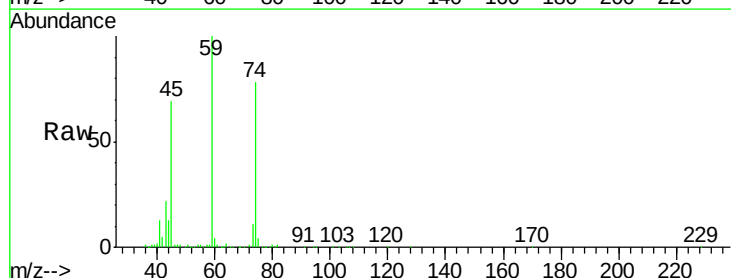
MMDadoda
7/1/2019 4:59:07 PM

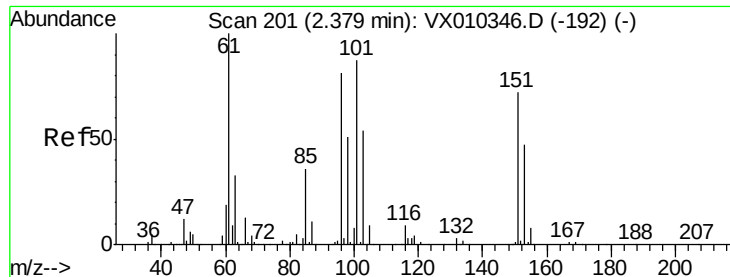


#8

Diethyl Ether
Concen: 19.357 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010432.D
Acq: 25 Jun 2019 12:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.5	44.8	134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.144 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

Instrument :

MSVOA_X

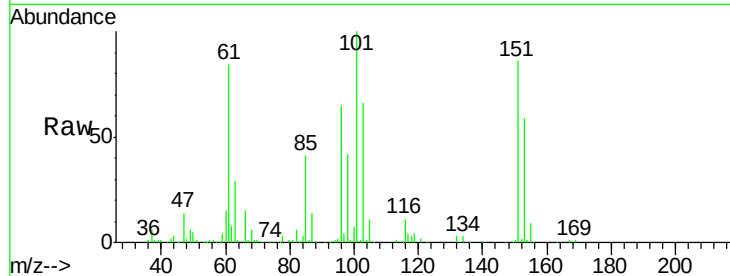
ClientSampleId :

VX0625WBSD01

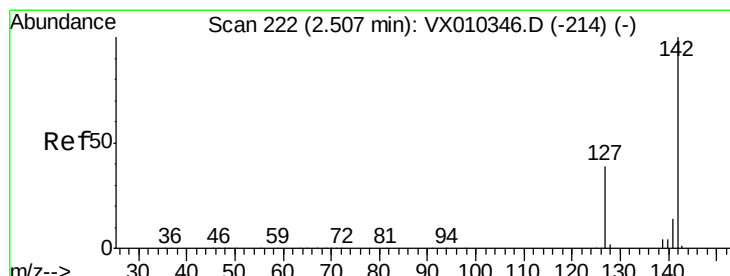
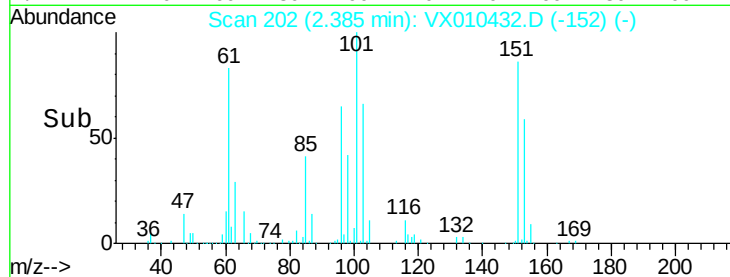
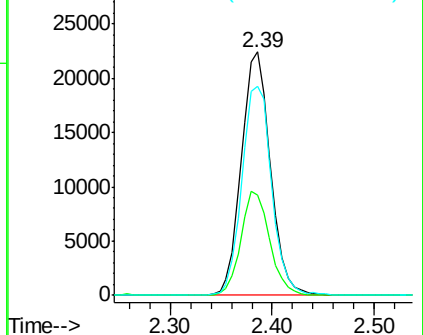
Tot Ion:	101	Resp:	44401
Ion Ratio	Lower	Upper	
101	100		
85	42.2	33.7	50.5
151	88.5	70.1	105.1

Manual Integrations
APPROVED

MMDadoda
7/1/2019 4:59:07 PM



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



#10

Methyl Iodide

Concen: 16.343 ug/l

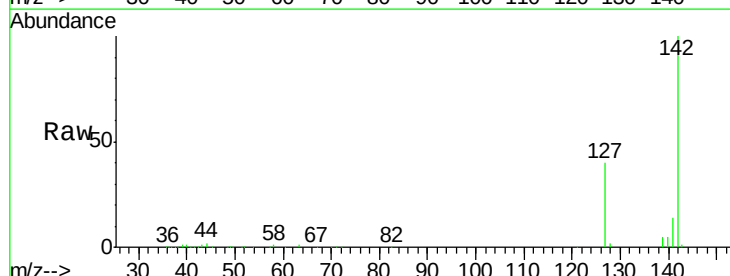
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

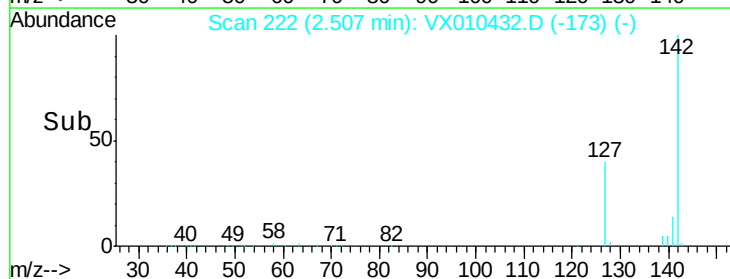
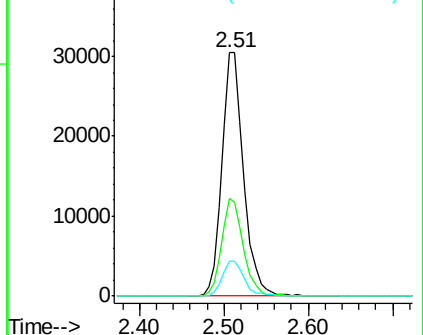
Lab File: VX010432.D

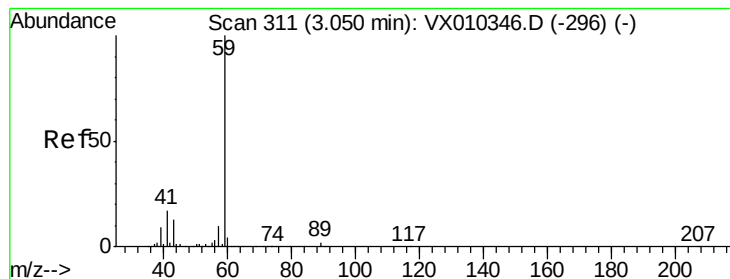
Acq: 25 Jun 2019 12:46

Tgt Ion:	142	Resp:	54096
Ion Ratio	Lower	Upper	
142	100		
127	40.1	31.1	46.7
141	14.7	11.2	16.8



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

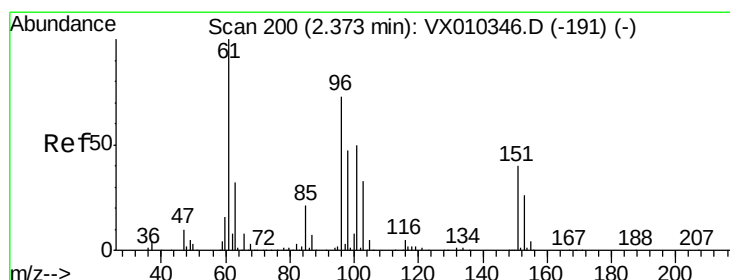
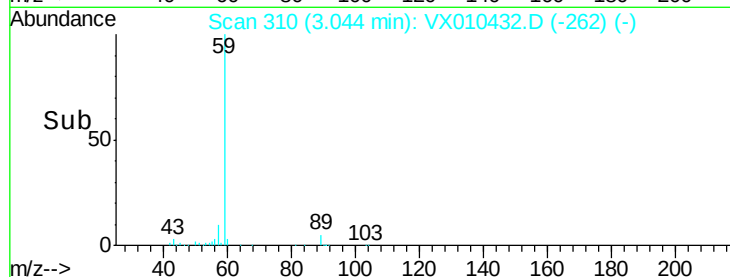
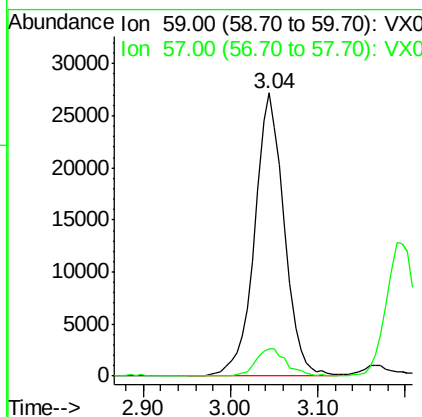
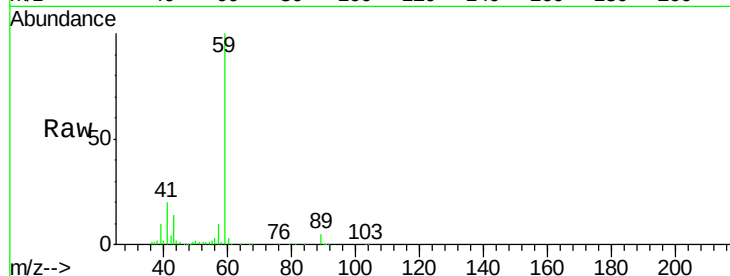
Tert butyl alcohol
Concen: 95.676 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010432.D
Acq: 25 Jun 2019 12:46

Instrument :
MSVOA_X
ClientSampleId :
VX0625WBSD01

Tot Ion: 59 Resp: 63912
Ion Ratio Lower Upper
59 100
57 10.0 7.7 11.5

Manual Integrations
APPROVED

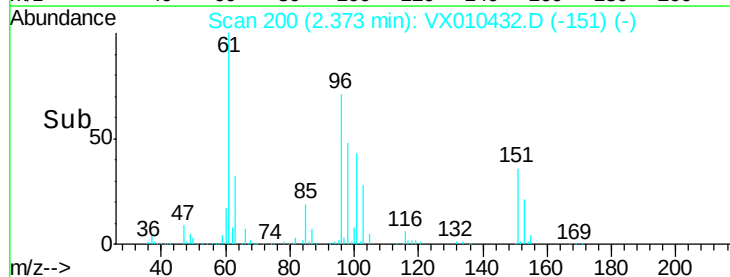
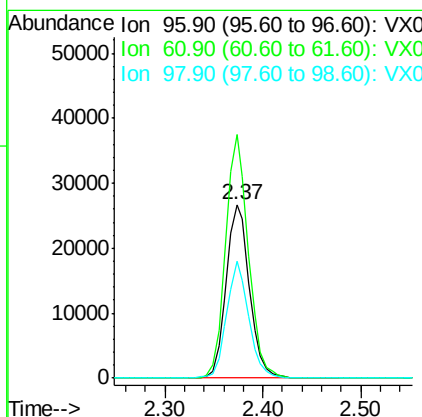
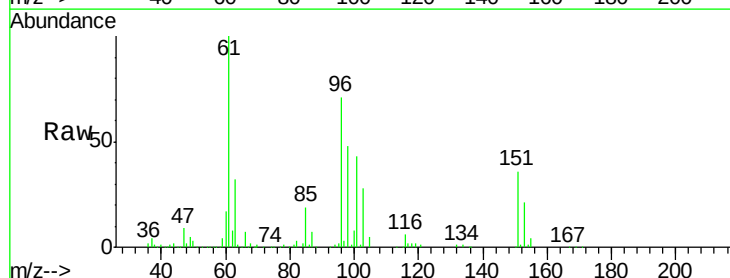
MMDadoda
7/1/2019 4:59:07 PM

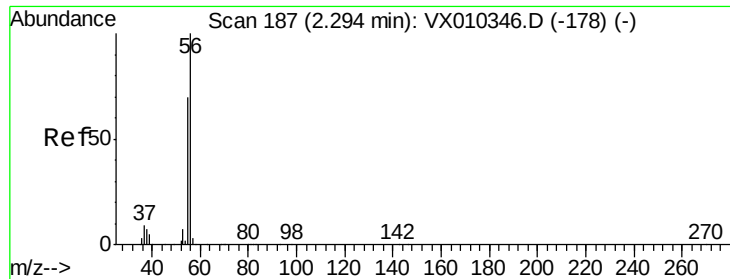


#12

1,1-Dichloroethene
Concen: 18.710 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010432.D
Acq: 25 Jun 2019 12:46

Tgt Ion: 96 Resp: 44156
Ion Ratio Lower Upper
96 100
61 140.1 109.2 163.8
98 67.2 51.1 76.7





#13

Acrolein

Concen: 82.731 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

Instrument :

MSVOA_X

ClientSampleId :

VX0625WBSD01

Tot Ion: 56 Resp: 36661

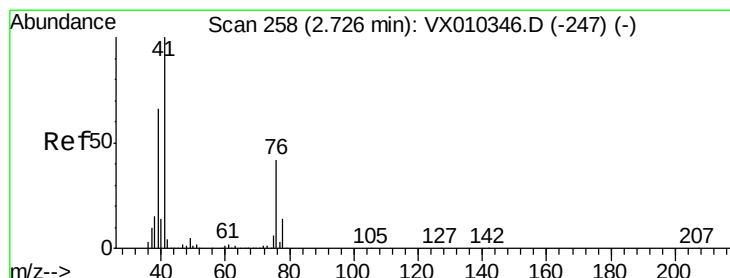
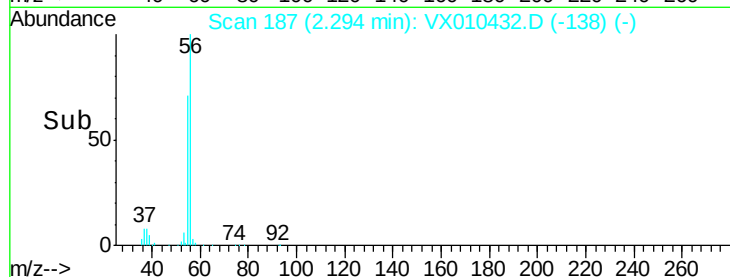
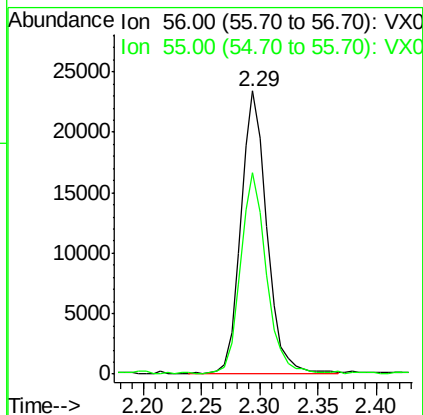
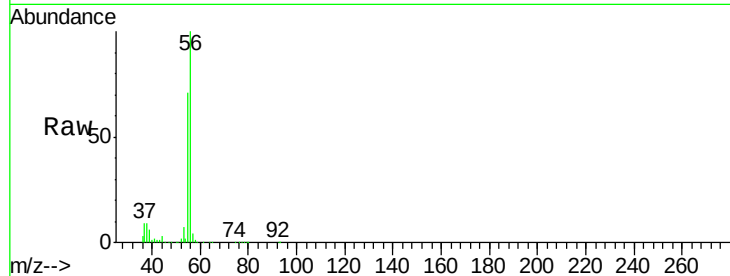
Ion Ratio Lower Upper

56 100

55 70.2 56.9 85.3

Manual Integrations
APPROVED

MMDadoda
7/1/2019 4:59:07 PM



#14

Allyl chloride

Concen: 19.586 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

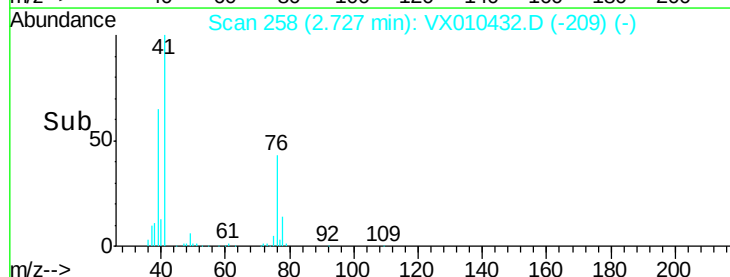
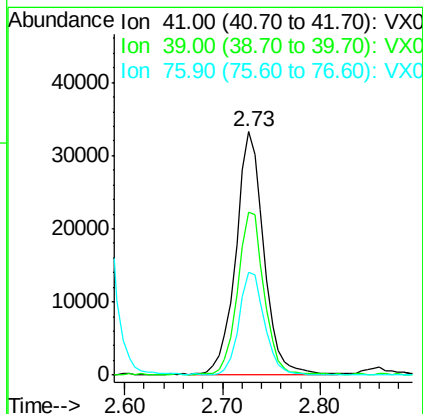
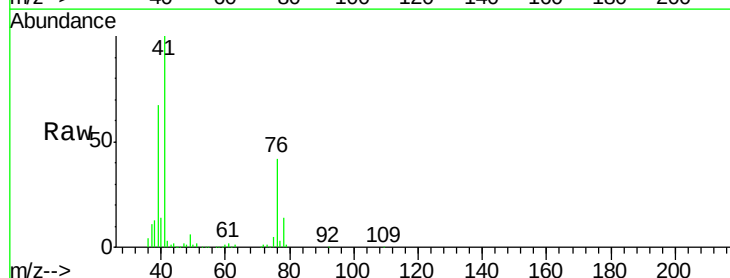
Tgt Ion: 41 Resp: 65624

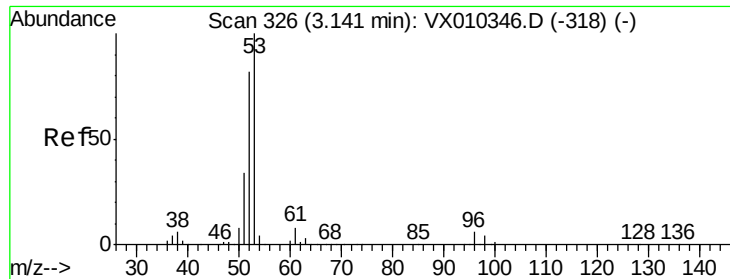
Ion Ratio Lower Upper

41 100

39 63.2 50.3 75.5

76 38.8 31.3 46.9





#15

Acrylonitrile

Concen: 97.562 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

Instrument :

MSVOA_X

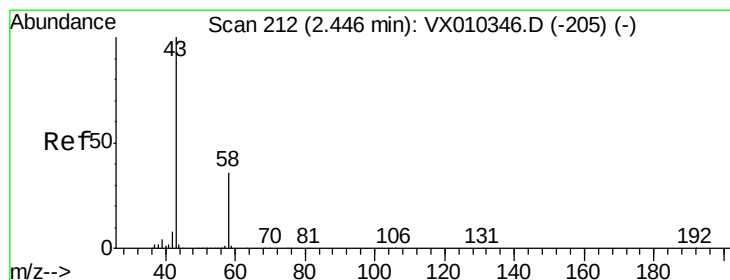
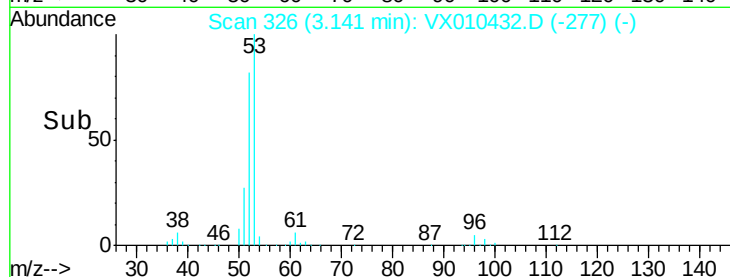
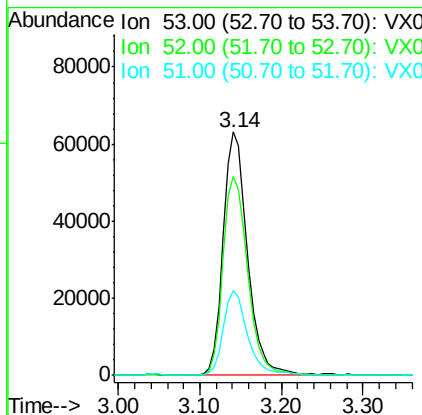
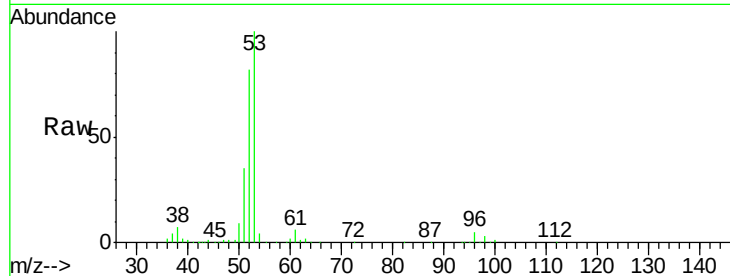
ClientSampleId :

VX0625WBSD01

Tot Ion:	53	Resp:	129033
Ion Ratio		Lower	Upper
53	100		
52	84.3	65.5	98.3
51	35.4	28.2	42.4

Manual Integrations
APPROVED

MMDadoda
7/1/2019 4:59:07 PM



#16

Acetone

Concen: 99.617 ug/l

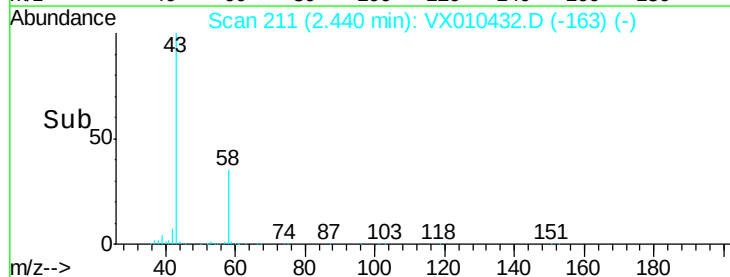
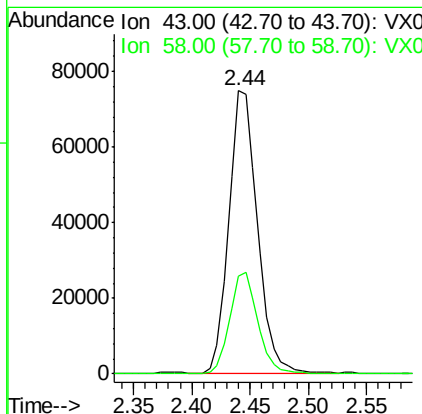
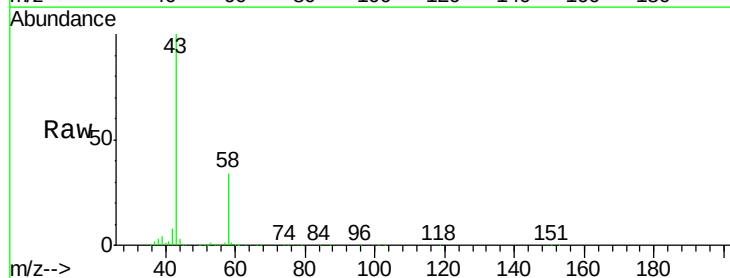
RT: 2.44 min Scan# 211

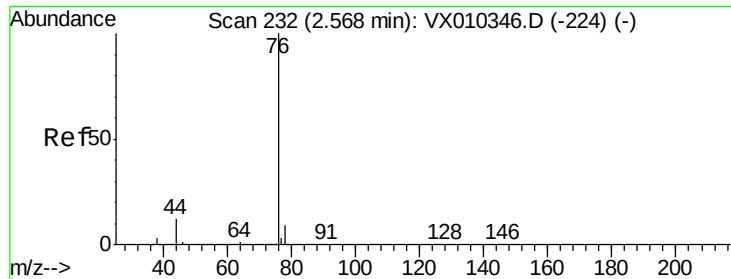
Delta R.T. -0.01 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

Tgt Ion:	43	Resp:	127452
Ion Ratio		Lower	Upper
43	100		
58	34.5	28.9	43.3





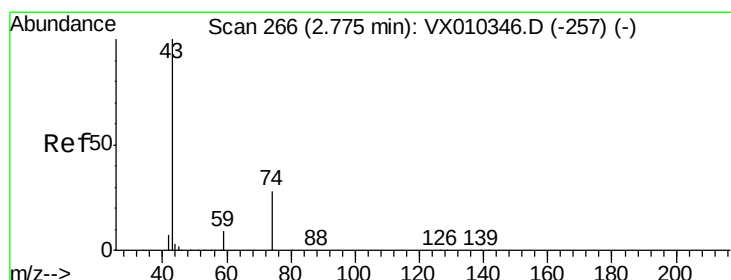
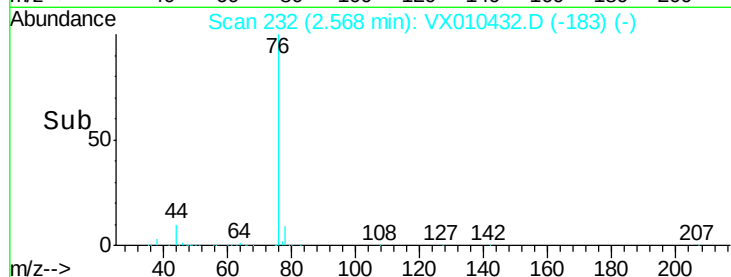
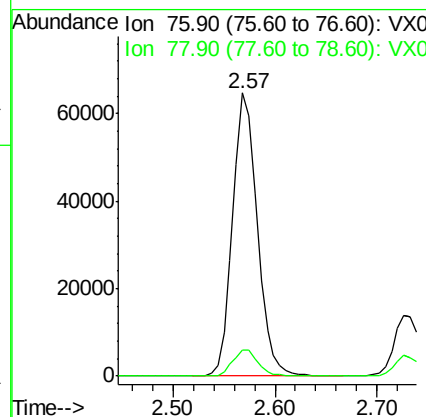
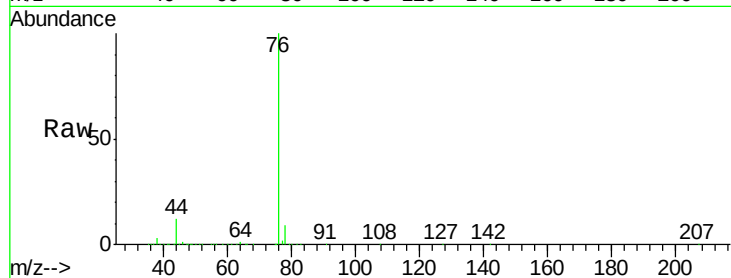
#17
Carbon Disulfide
Concen: 17.159 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010432.D
Acq: 25 Jun 2019 12:46

Instrument :
MSVOA_X
ClientSampleId :
VX0625WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

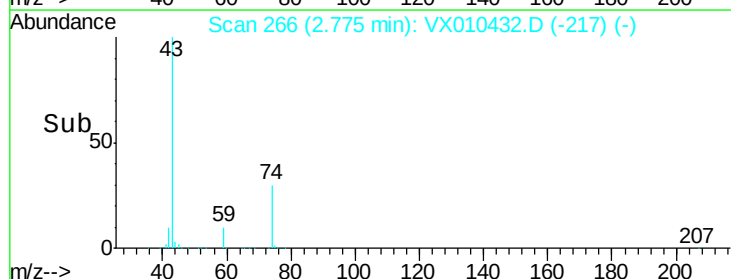
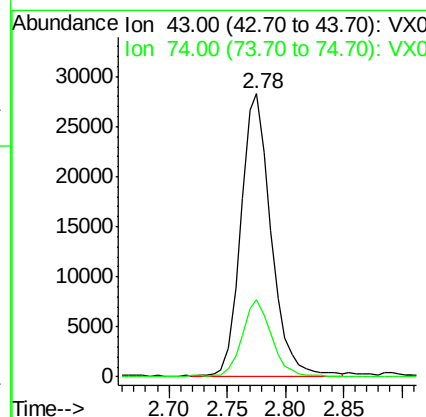
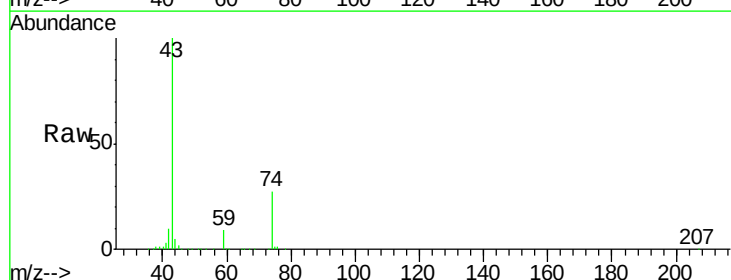
Manual Integrations
APPROVED

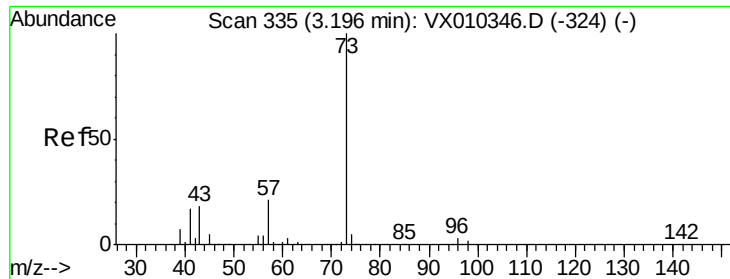
MMDadoda
7/1/2019 4:59:07 PM



#18
Methyl Acetate
Concen: 19.959 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010432.D
Acq: 25 Jun 2019 12:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.8	21.3	31.9





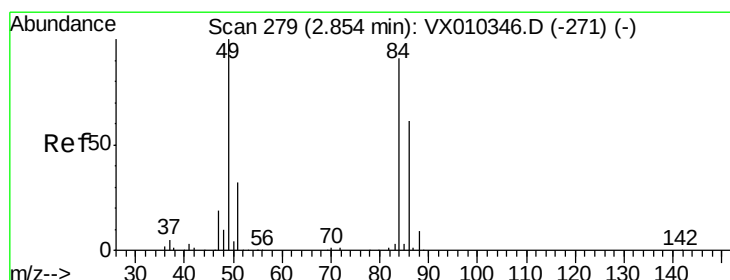
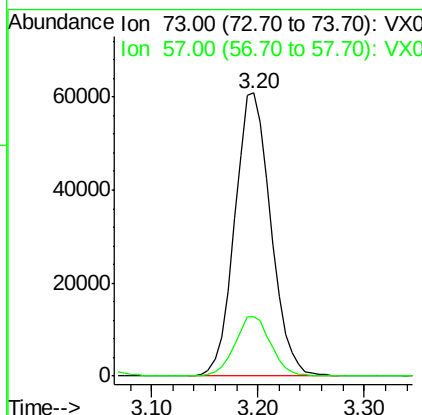
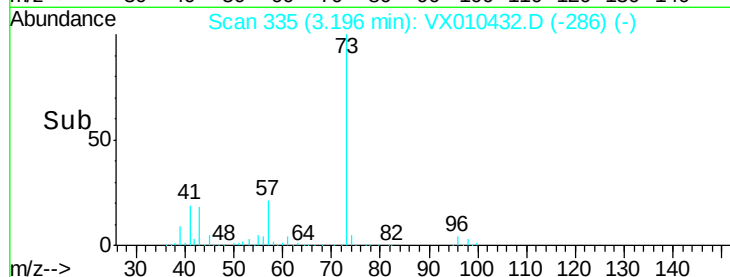
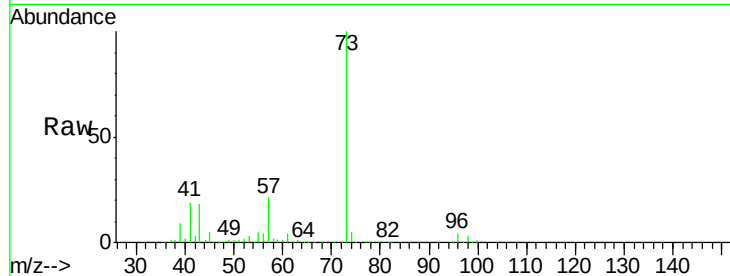
#19
Methyl tert-butyl Ether
Concen: 19.530 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010432.D
Acq: 25 Jun 2019 12:46

Instrument :
MSVOA_X
ClientSampleId :
VX0625WBSD01

Tot Ion: 73 Resp: 144998
Ion Ratio Lower Upper
73 100
57 20.9 16.4 24.6

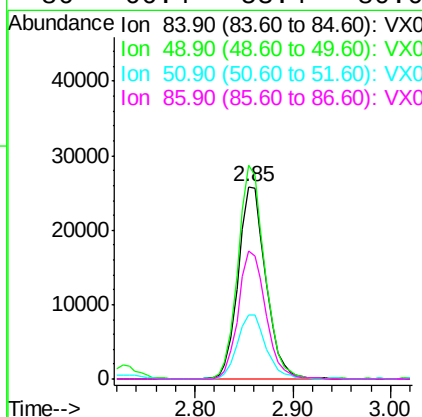
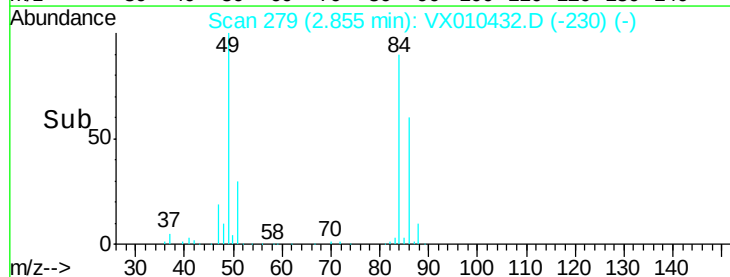
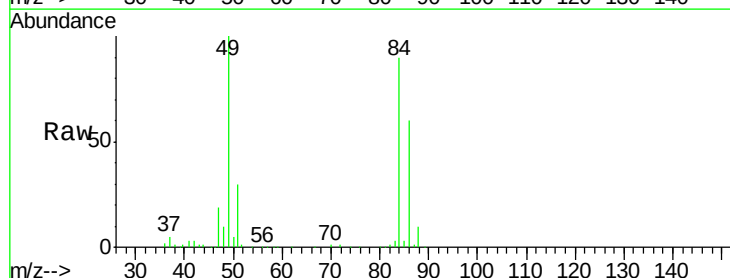
Manual Integrations
APPROVED

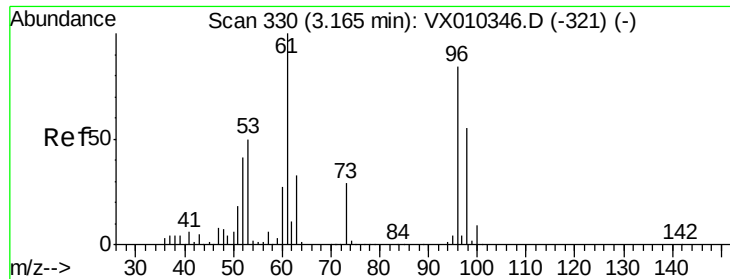
MMDadoda
7/1/2019 4:59:07 PM



#20
Methylene Chloride
Concen: 19.242 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010432.D
Acq: 25 Jun 2019 12:46

Tgt Ion: 84 Resp: 50665
Ion Ratio Lower Upper
84 100
49 110.9 87.5 131.3
51 33.1 27.7 41.5
86 66.4 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 18.836 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

Instrument :

MSVOA_X

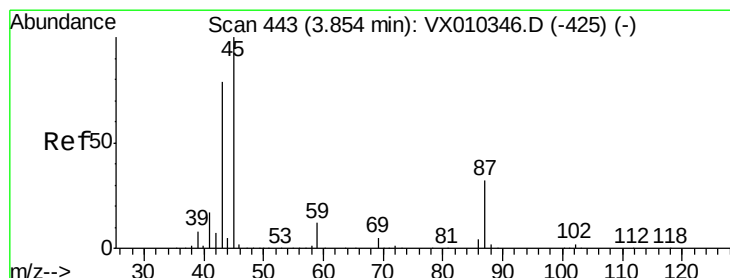
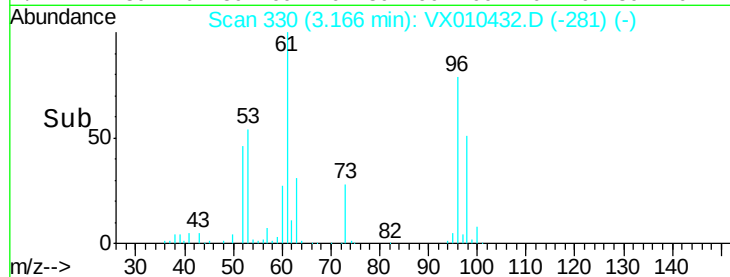
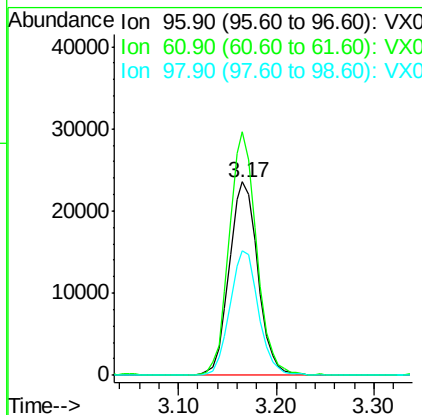
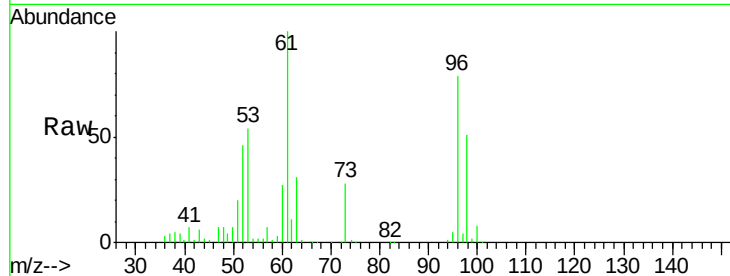
ClientSampleId :

VX0625WBSD01

Tot Ion:	96	Resp:	47811
Ion	Ratio	Lower	Upper
96	100		
61	126.0	95.6	143.4
98	64.3	52.5	78.7

Manual Integrations
APPROVED

MMDadoda
7/1/2019 4:59:07 PM



#22

Diisopropyl ether

Concen: 19.322 ug/l

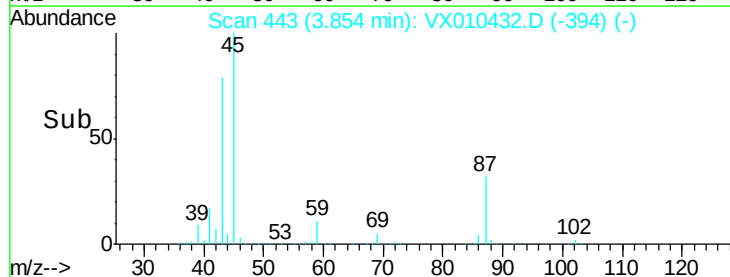
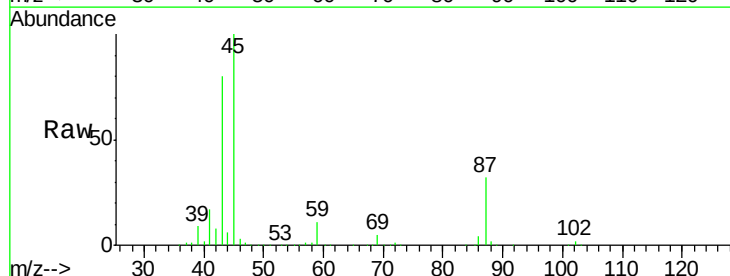
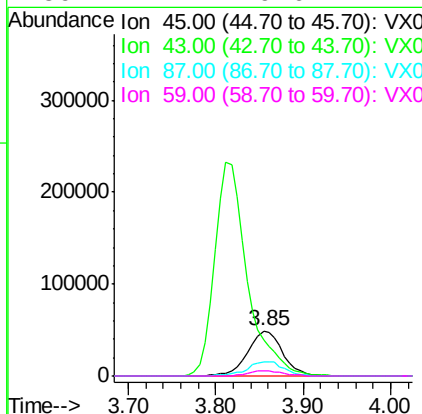
RT: 3.85 min Scan# 443

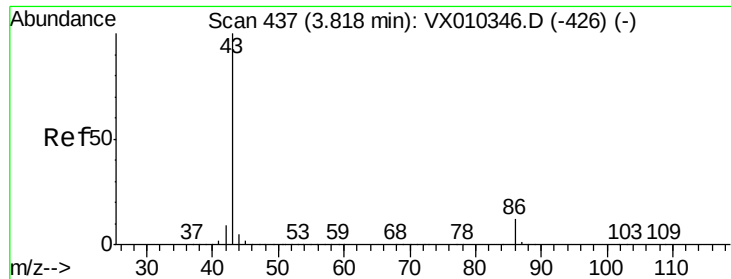
Delta R.T. 0.00 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

Tgt Ion:	45	Resp:	135360
Ion	Ratio	Lower	Upper
45	100		
43	78.4	63.3	94.9
87	32.5	25.8	38.8
59	11.4	9.6	14.4





#23

Vinyl Acetate

Concen: 99.857 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

Instrument :

MSVOA_X

ClientSampleId :

VX0625WBSD01

Tot Ion: 43 Resp: 604316

Ion Ratio Lower Upper

43 100

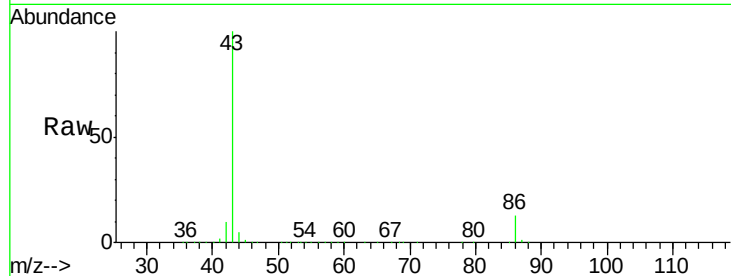
86 12.6 9.9 14.9

Manual Integrations

APPROVED

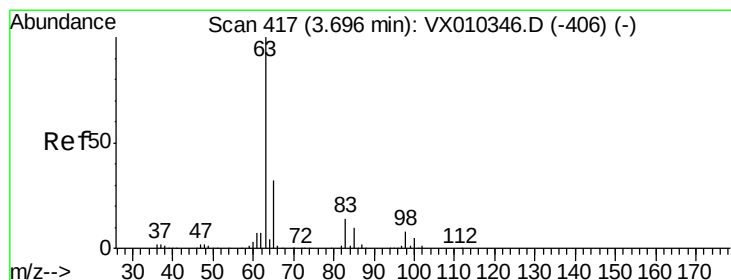
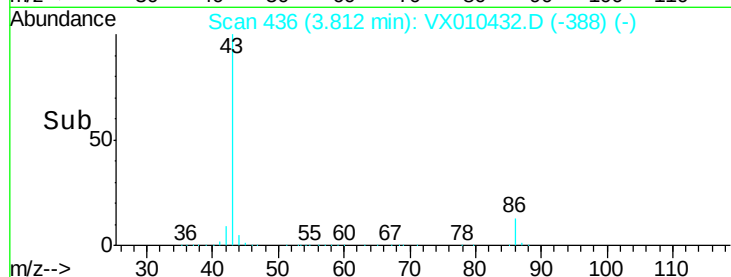
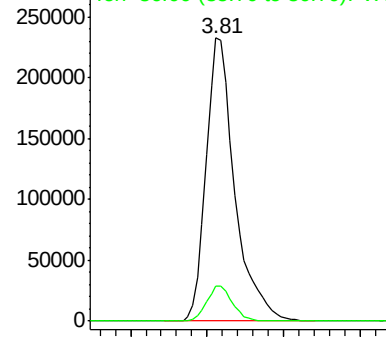
MMDadoda

7/1/2019 4:59:07 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.655 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

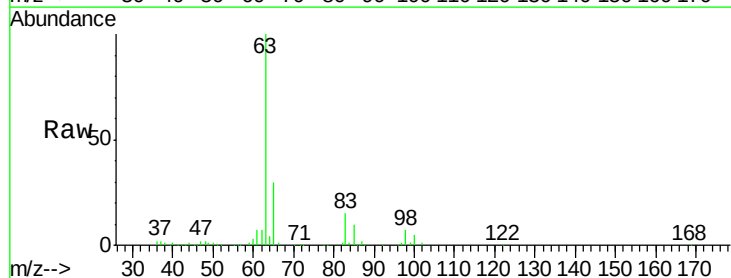
Tgt Ion: 63 Resp: 79588

Ion Ratio Lower Upper

63 100

98 7.2 3.9 11.7

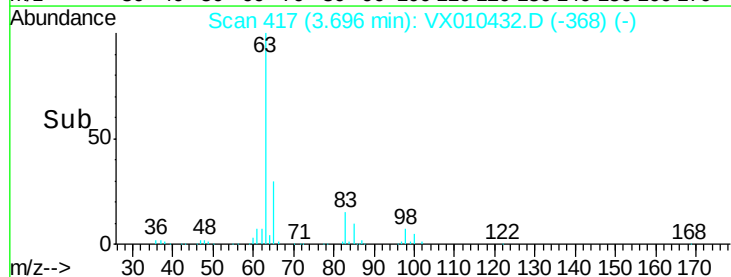
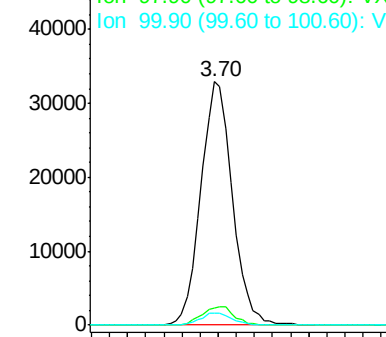
100 5.0 2.4 7.1

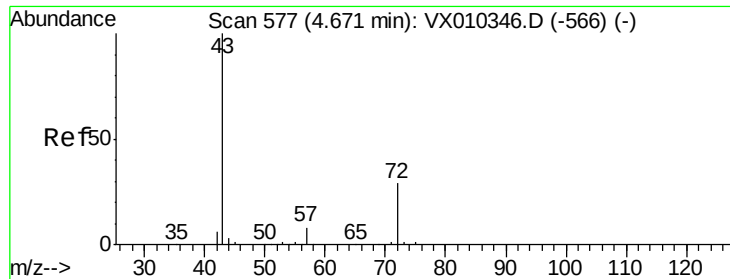


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 99.397 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

Instrument :

MSVOA_X

ClientSampleId :

VX0625WBSD01

Tot Ion: 43 Resp: 186543

Ion Ratio Lower Upper

43 100

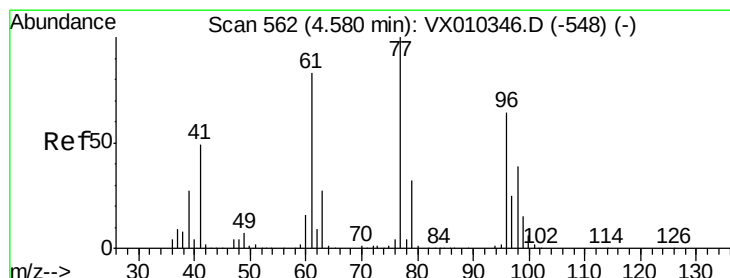
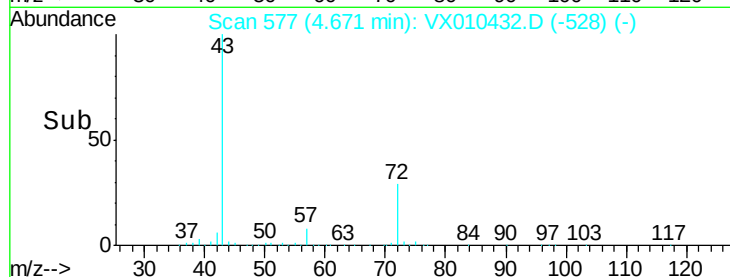
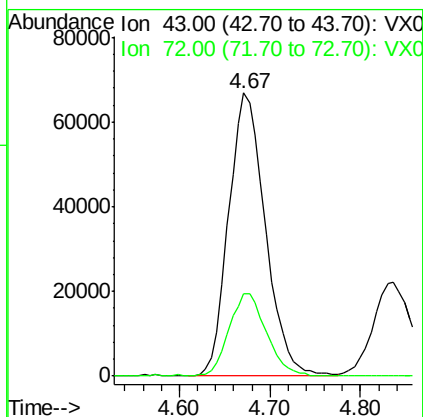
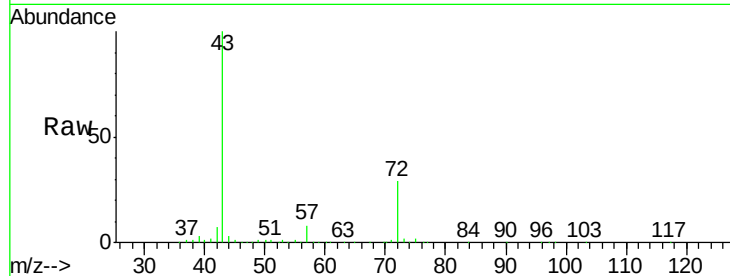
72 29.1 23.3 34.9

Manual Integrations

APPROVED

MMDadoda

7/1/2019 4:59:07 PM



#26

2,2-Dichloropropane

Concen: 19.666 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010432.D

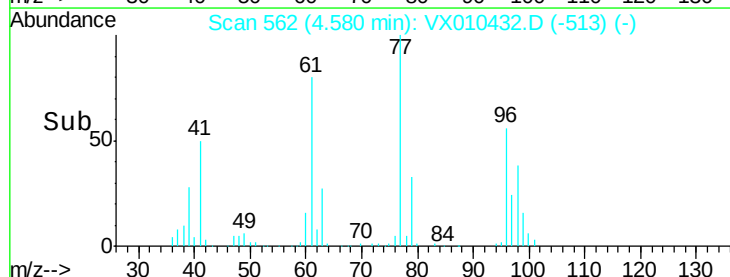
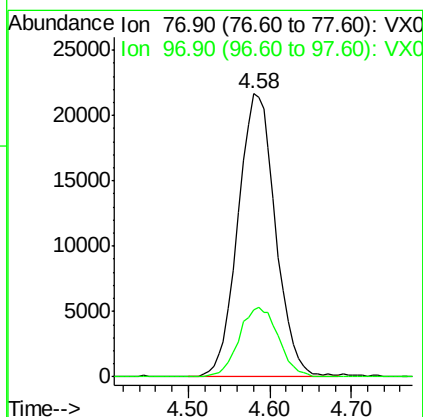
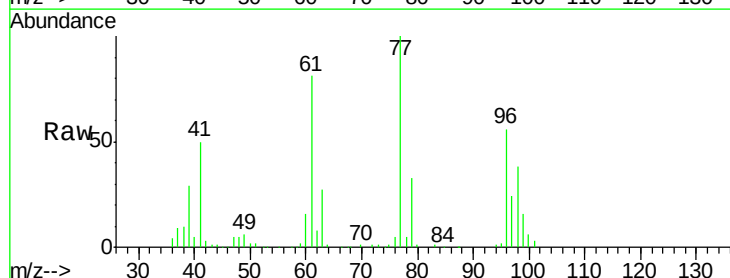
Acq: 25 Jun 2019 12:46

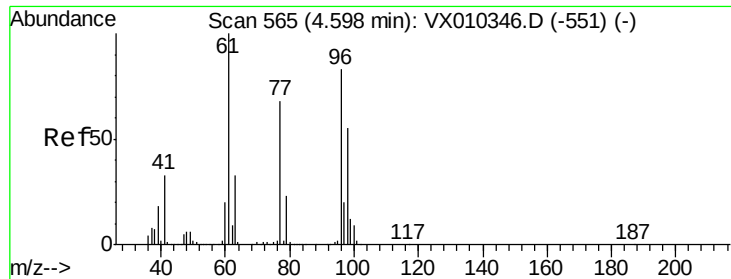
Tgt Ion: 77 Resp: 69179

Ion Ratio Lower Upper

77 100

97 25.7 13.1 39.3





#27

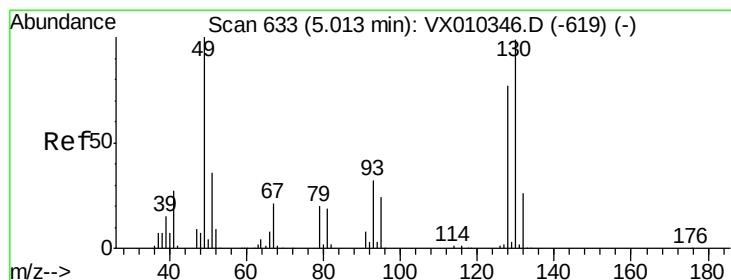
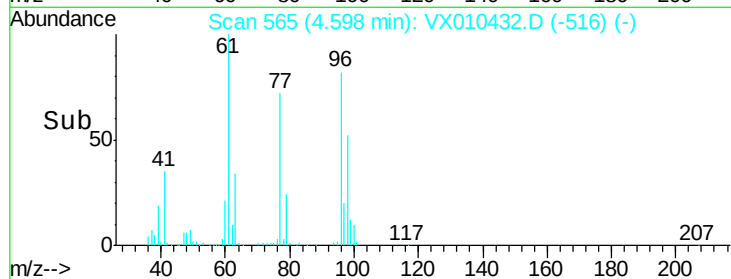
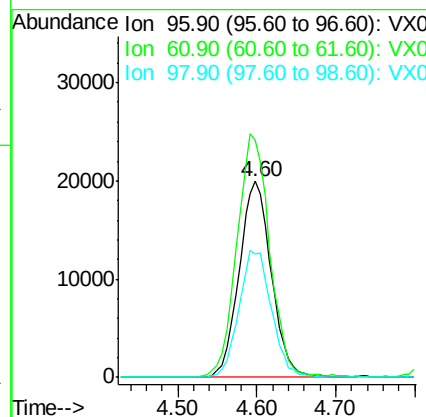
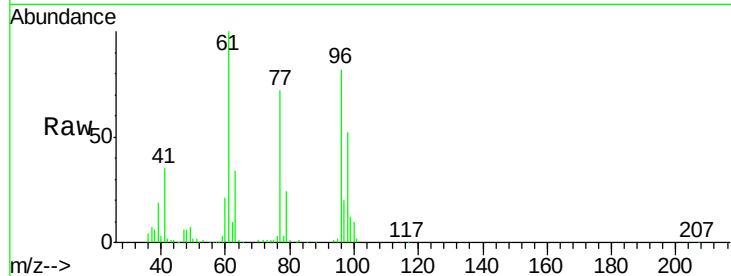
cis-1,2-Dichloroethene
Concen: 19.237 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX010432.D
Acq: 25 Jun 2019 12:46

Instrument :
MSVOA_X
ClientSampleId :
VX0625WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.1	0.0	251.8
98	65.6	0.0	129.4

Manual Integrations
APPROVED

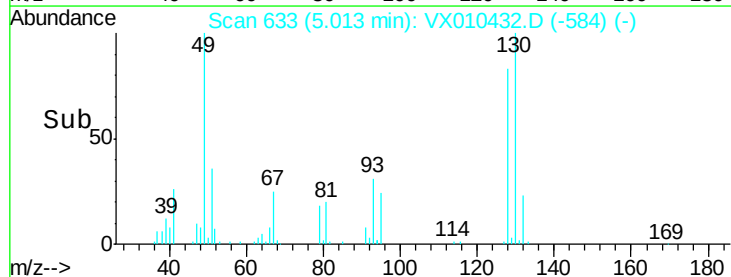
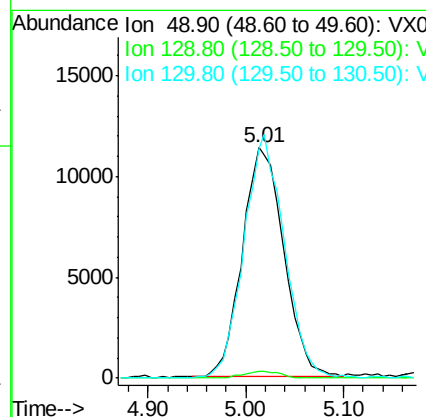
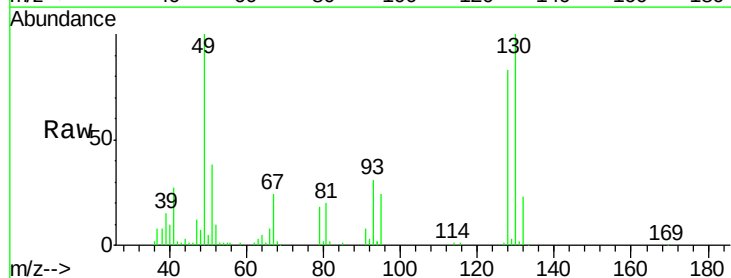
MMDadoda
7/1/2019 4:59:07 PM

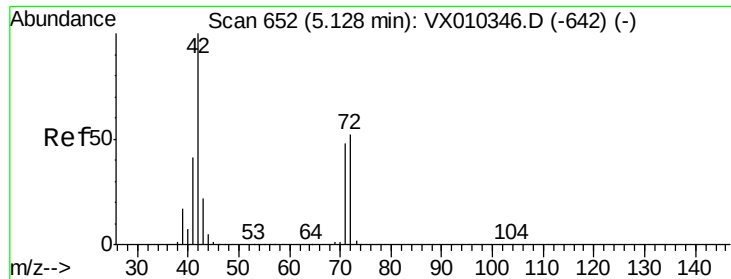


#28

Bromochloromethane
Concen: 17.368 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX010432.D
Acq: 25 Jun 2019 12:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.6
130	103.4	81.4	122.0





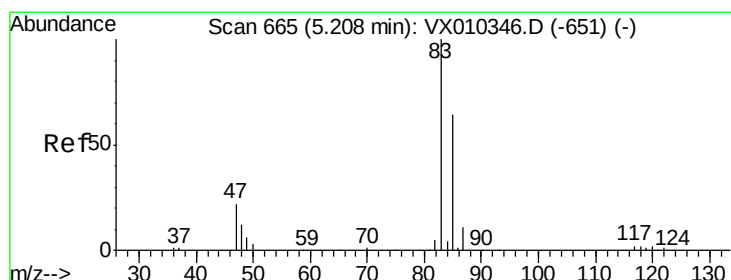
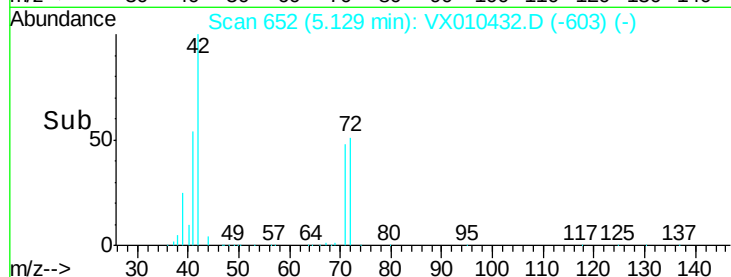
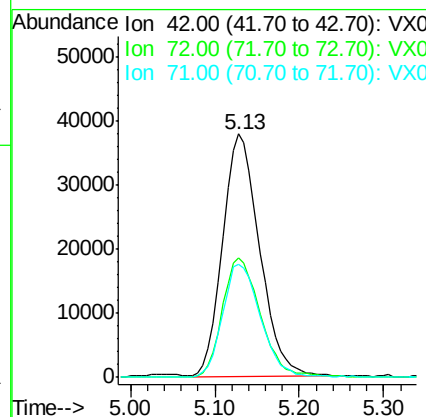
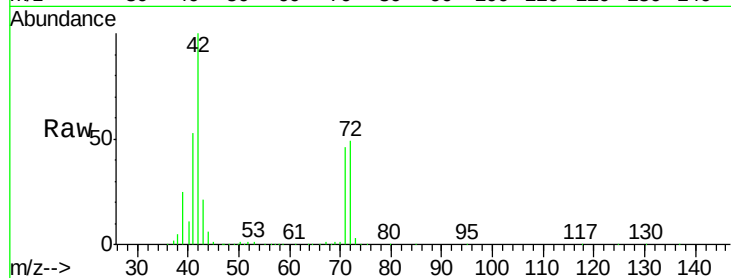
#29
Tetrahydrofuran
Concen: 97.883 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010432.D
Acq: 25 Jun 2019 12:46

Instrument :
MSVOA_X
ClientSampleId :
VX0625WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.0	40.6	60.8
71	47.7	37.8	56.8

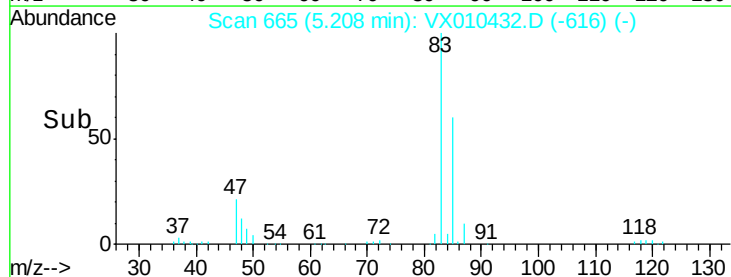
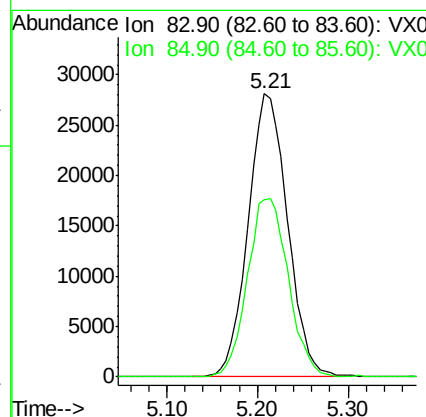
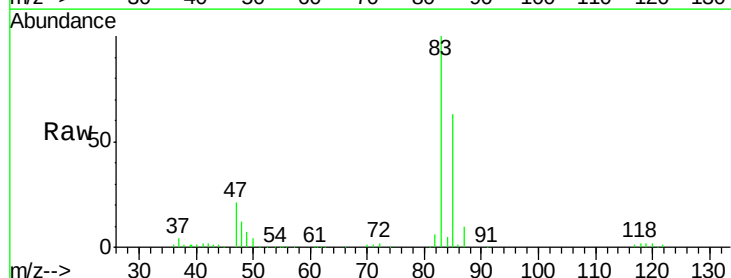
Manual Integrations
APPROVED

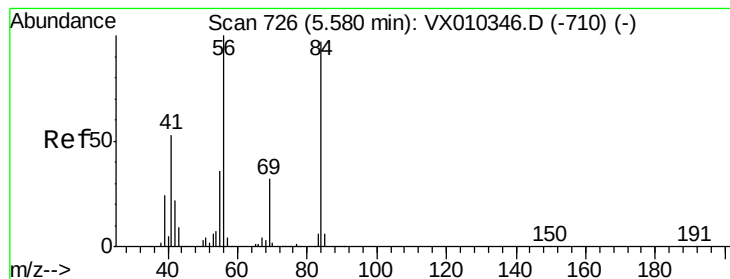
MMDadoda
7/1/2019 4:59:07 PM



#30
Chloroform
Concen: 19.397 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX010432.D
Acq: 25 Jun 2019 12:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.9	76.3





#31

Cyclohexane

Concen: 18.805 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

Instrument :

MSVOA_X

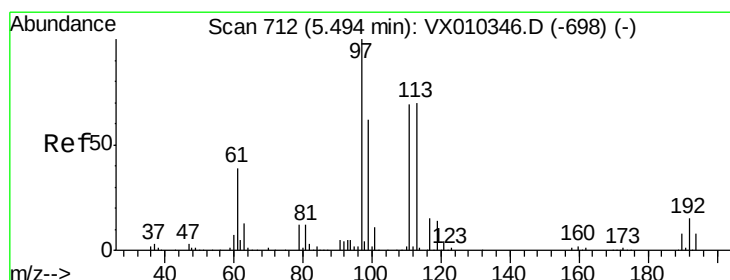
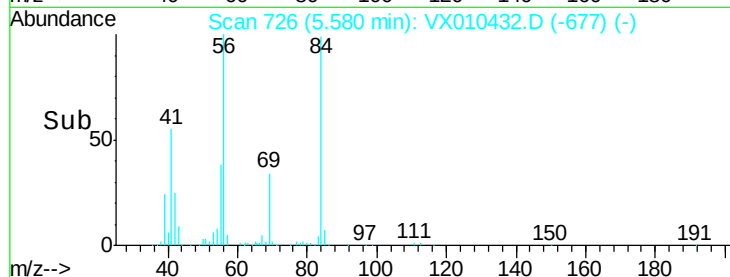
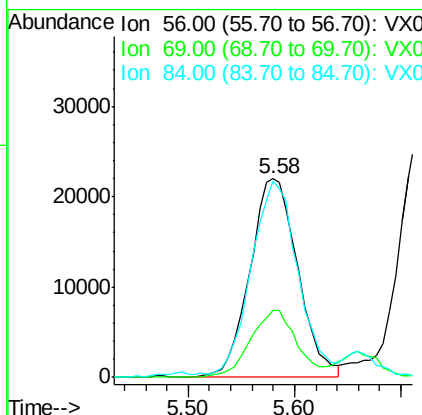
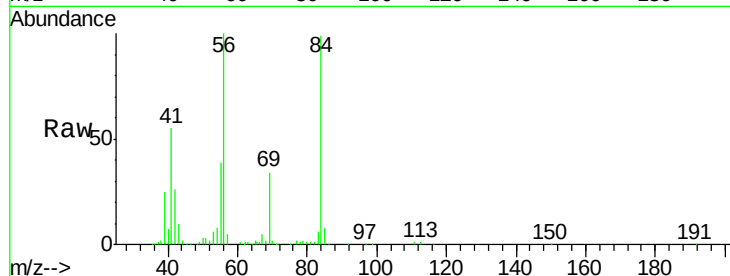
ClientSampleId :

VX0625WBSD01

Tot Ion:	56	Resp:	69344
Ion	Ratio	Lower	Upper
56	100		
69	33.9	25.9	38.9
84	96.9	78.0	117.0

Manual Integrations
APPROVED

MMDadoda
7/1/2019 4:59:07 PM



#32

1,1,1-Trichloroethane

Concen: 19.375 ug/l

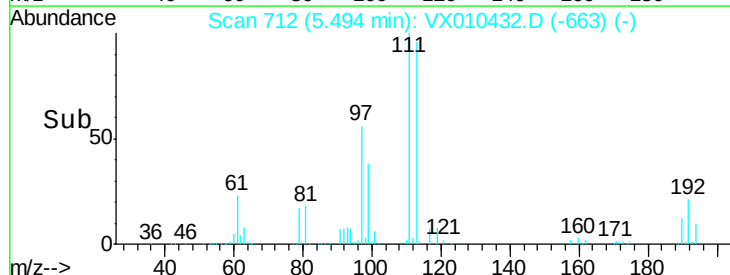
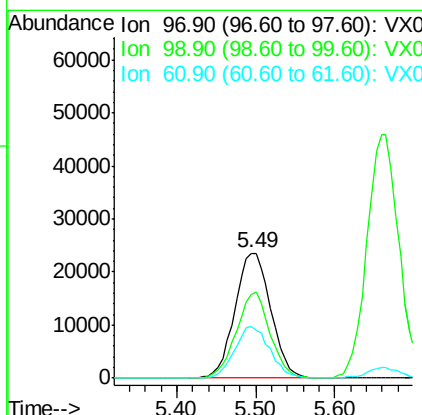
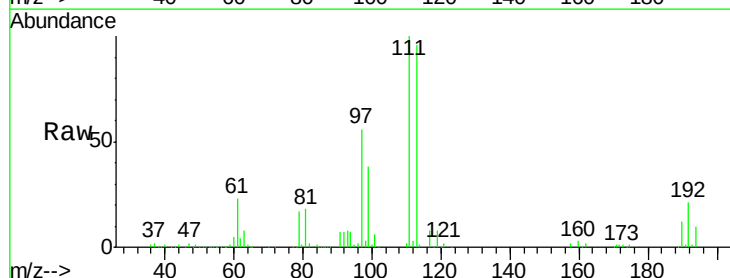
RT: 5.49 min Scan# 712

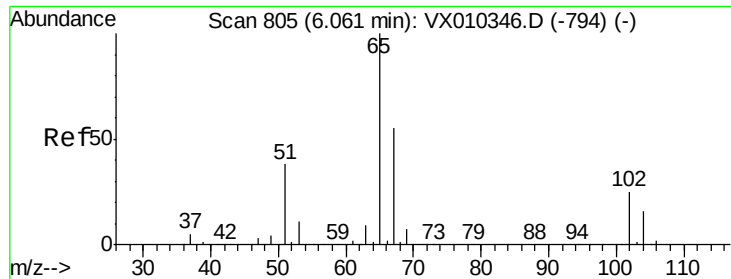
Delta R.T. 0.00 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

Tgt Ion:	97	Resp:	74537
Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.8
61	40.8	32.1	48.1





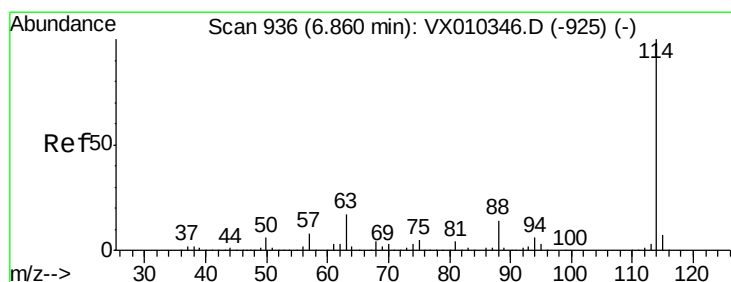
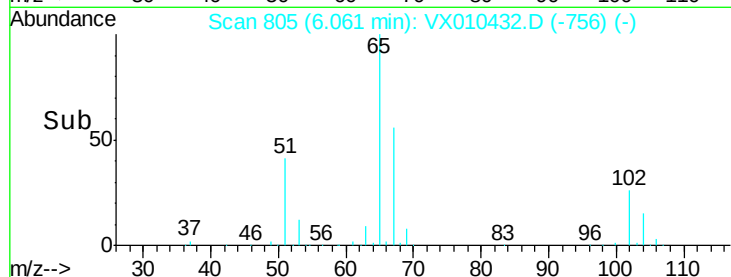
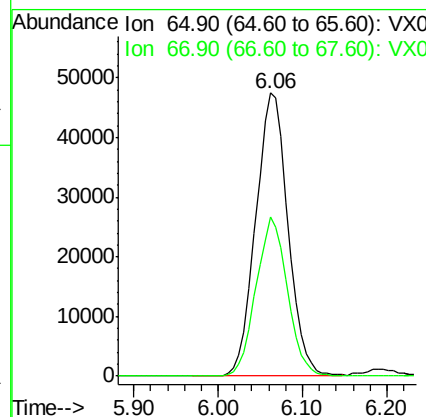
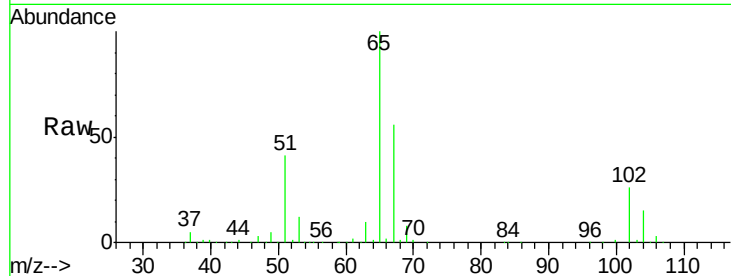
#33
 1,2-Dichloroethane-d4
 Concen: 48.604 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010432.D
 Acq: 25 Jun 2019 12:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0625WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	110.2

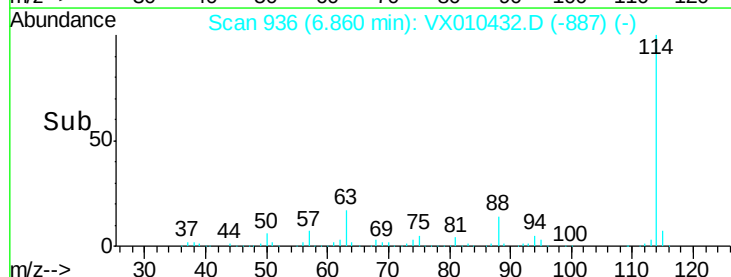
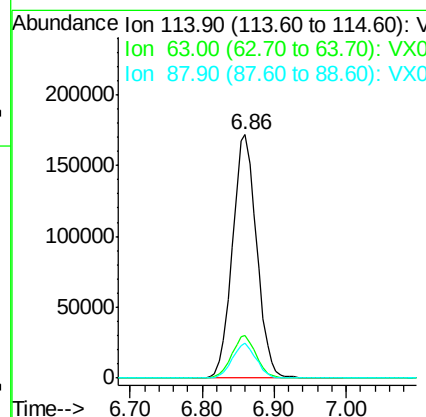
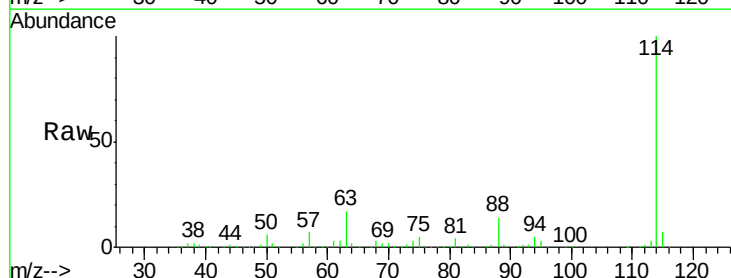
Manual Integrations
 APPROVED

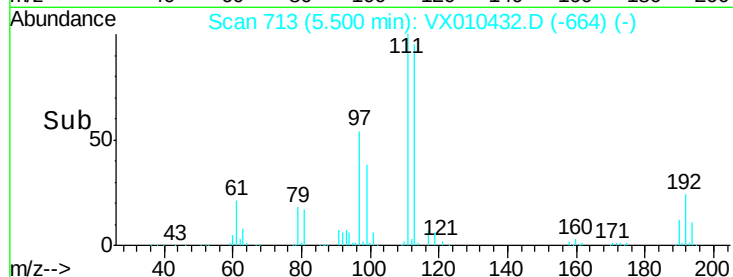
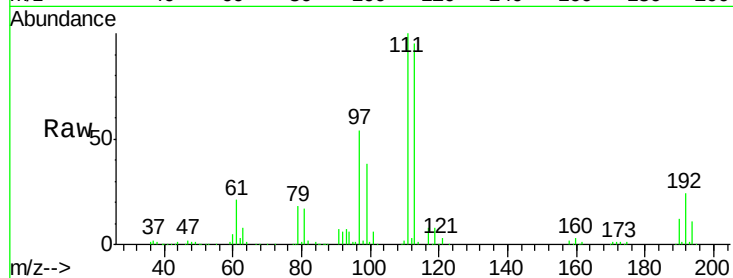
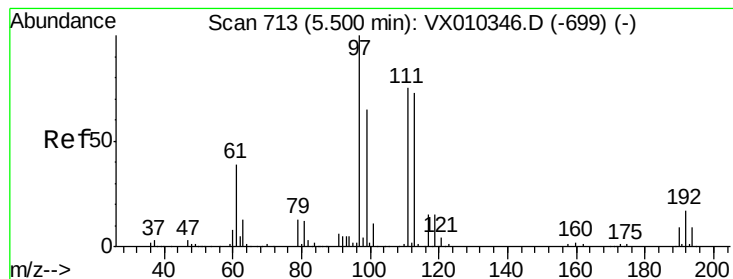
MMDadoda
 7/1/2019 4:59:07 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010432.D
 Acq: 25 Jun 2019 12:46

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.3	0.0	33.8
88	14.3	0.0	27.6





#35

Dibromofluoromethane

Concen: 49.261 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010432.D

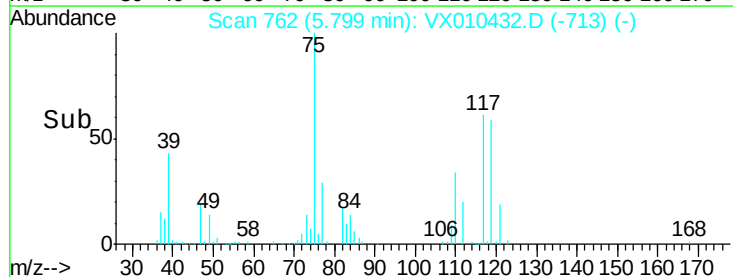
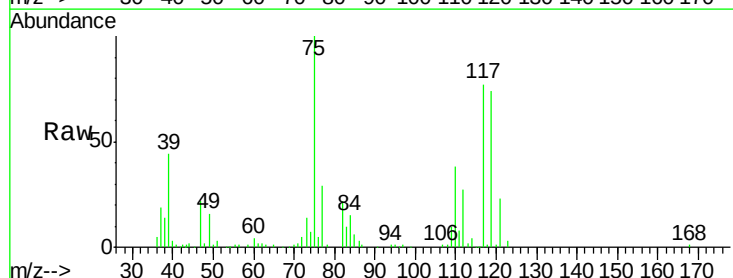
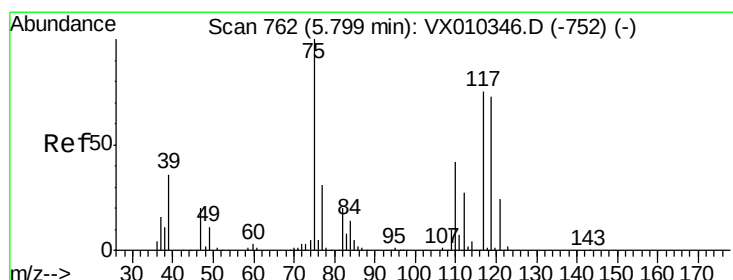
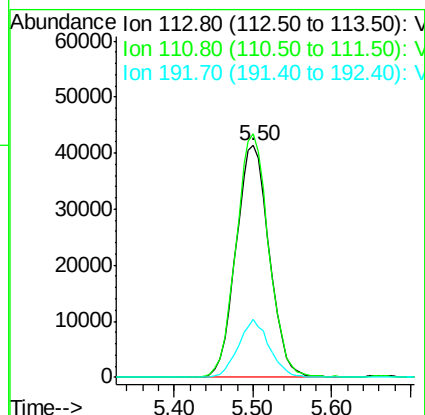
Acq: 25 Jun 2019 12:46

Tot Ion	Ratio	Resp	Lower	Upper
113	100	121172		
111	103.2	81.2	121.8	
192	23.2	18.6	27.8	

Instrument :
MSVOA_X
ClientSampleId :
VX0625WBSD01

Manual Integrations
APPROVED

MMDadoda
7/1/2019 4:59:07 PM



#36

1,1-Dichloropropene

Concen: 19.162 ug/l

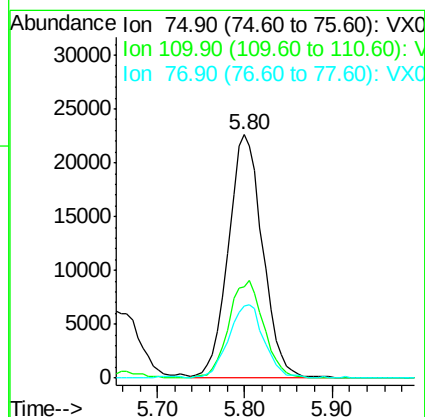
RT: 5.80 min Scan# 762

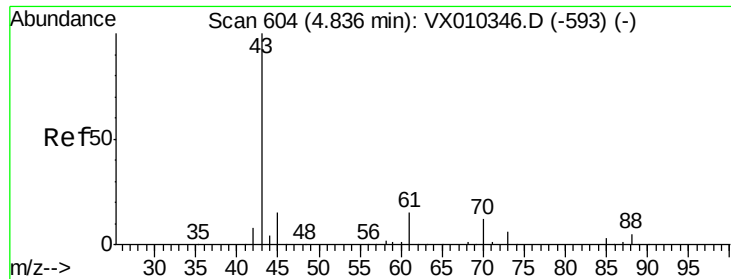
Delta R.T. 0.00 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	61220		
110	41.2	20.8	62.2	
77	31.4	25.4	38.0	





#37

Ethyl Acetate

Concen: 19.617 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

Instrument :

MSVOA_X

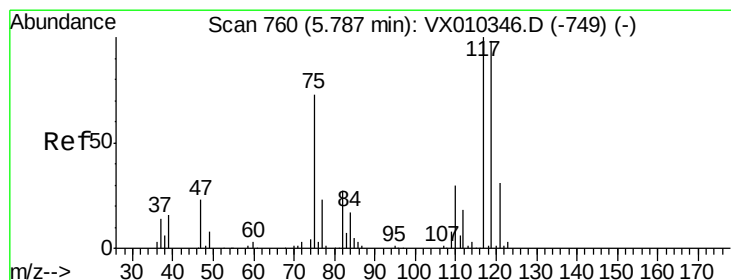
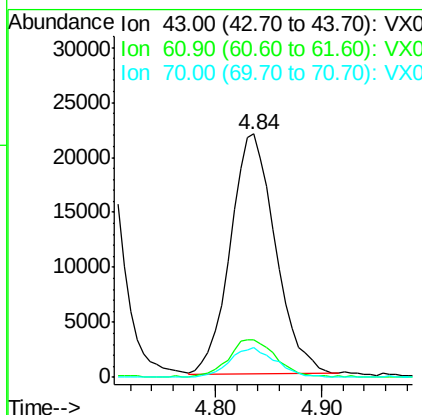
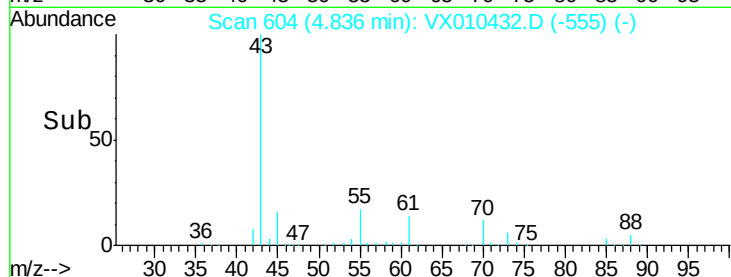
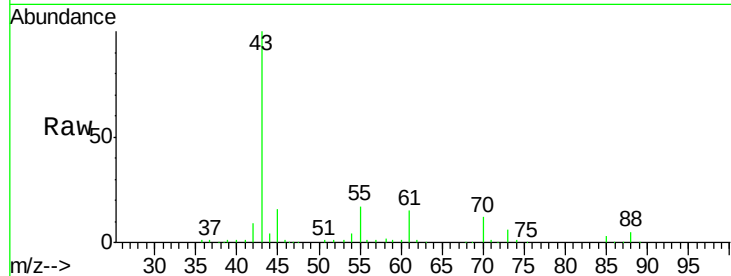
ClientSampleId :

VX0625WBSD01

Tot Ion:	43	Resp:	64474
Ion	Ratio	Lower	Upper
43	100		
61	16.1	12.4	18.6
70	12.7	9.8	14.8

Manual Integrations
APPROVED

MMDadoda
7/1/2019 4:59:07 PM



#38

Carbon Tetrachloride

Concen: 19.261 ug/l

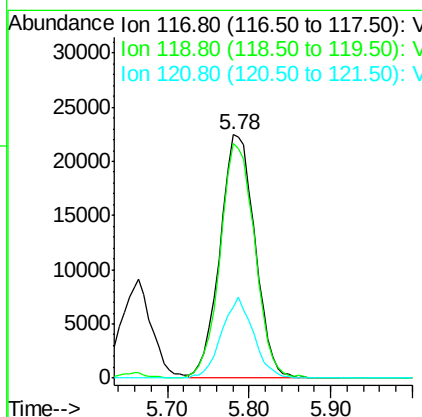
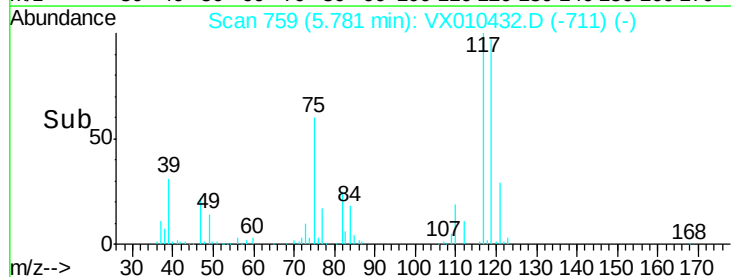
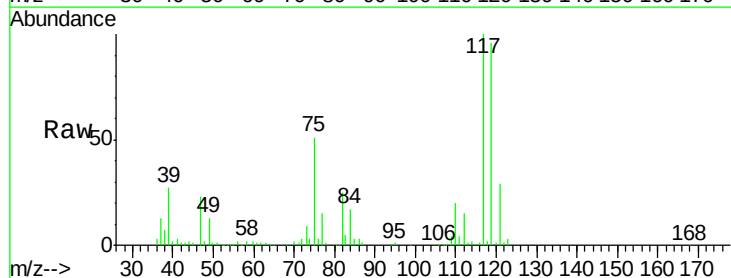
RT: 5.78 min Scan# 759

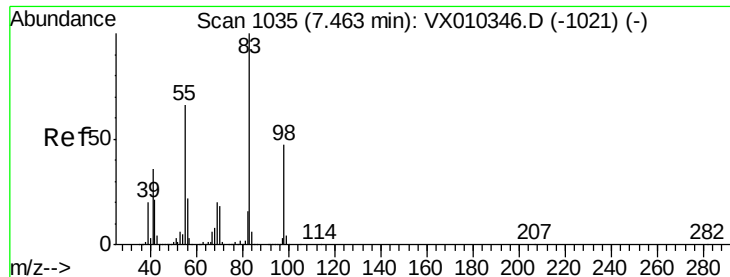
Delta R.T. -0.01 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

Tgt Ion:	117	Resp:	66636
Ion	Ratio	Lower	Upper
117	100		
119	96.5	78.2	117.4
121	29.2	24.7	37.1





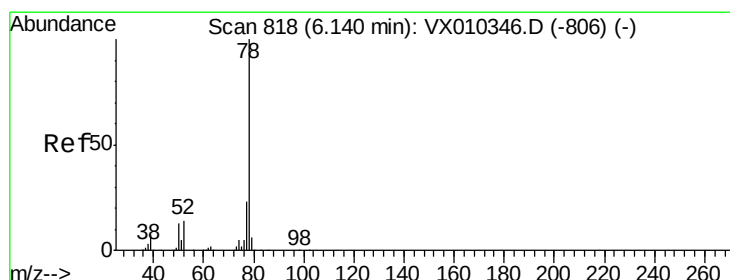
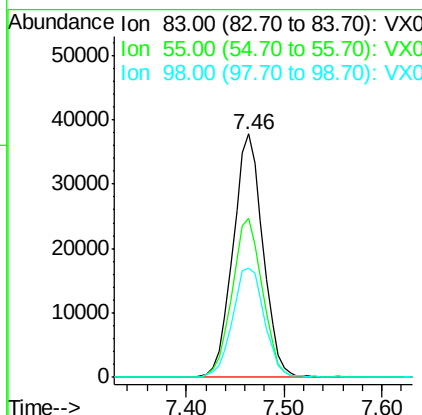
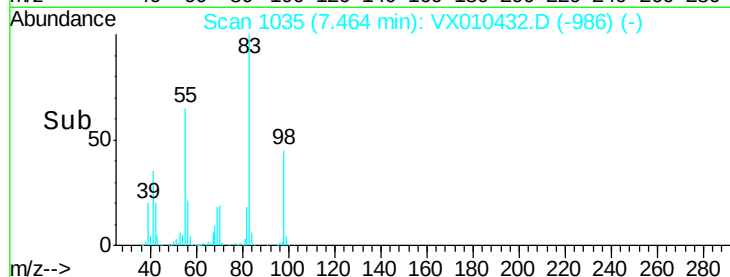
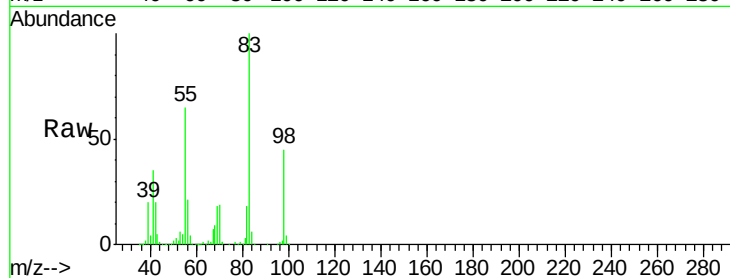
#39
Methylvlcyclohexane
Concen: 19.056 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010432.D
Acq: 25 Jun 2019 12:46

Instrument :
MSVOA_X
ClientSampleId :
VX0625WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	65.0	53.0	79.6
98	44.8	37.8	56.8

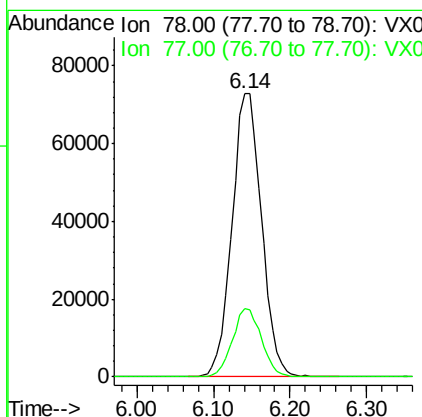
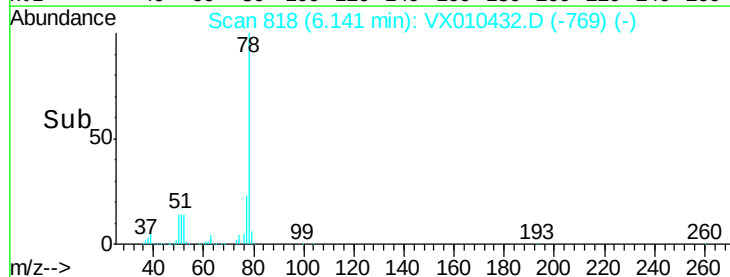
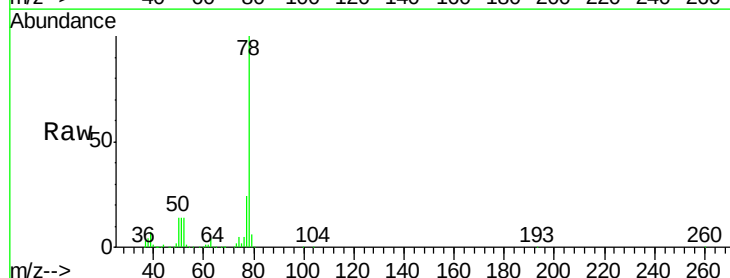
Manual Integrations
APPROVED

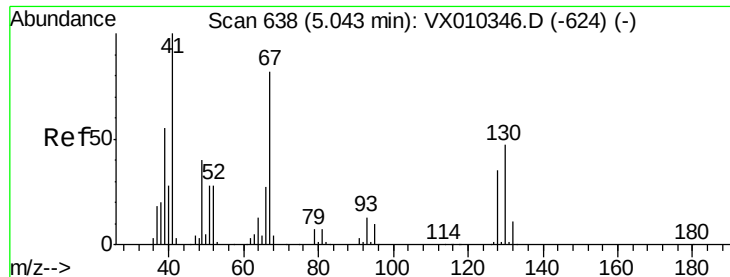
MMDadoda
7/1/2019 4:59:07 PM



#40
Benzene
Concen: 19.586 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010432.D
Acq: 25 Jun 2019 12:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.6	28.0





#41

Methacrylonitrile

Concen: 19.414 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

Instrument :

MSVOA_X

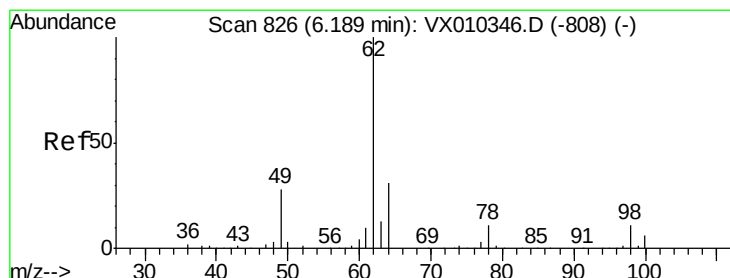
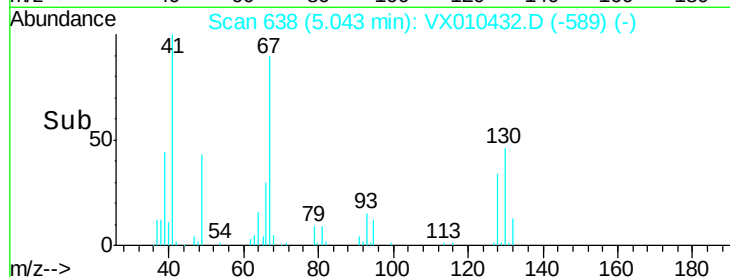
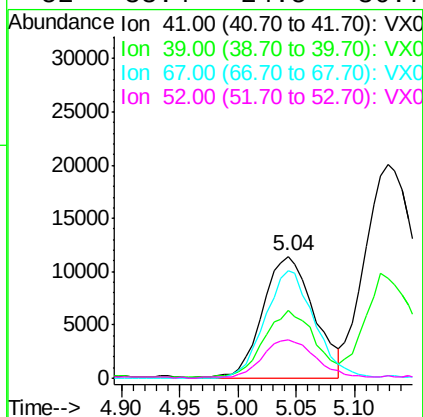
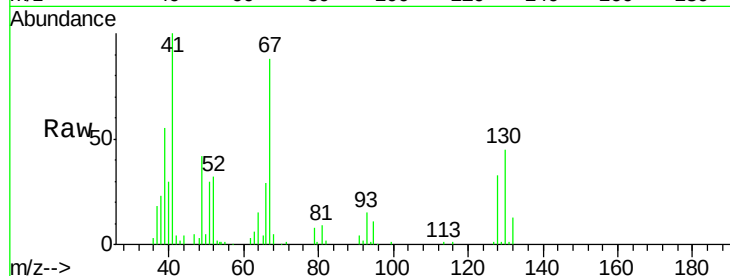
ClientSampleId :

VX0625WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
35011	41	100		
	39	54.1	43.8	65.8
	67	84.8	66.6	100.0
	52	33.4	24.5	36.7

Manual Integrations
APPROVED

MMDadoda
7/1/2019 4:59:07 PM



#42

1,2-Dichloroethane

Concen: 20.452 ug/l

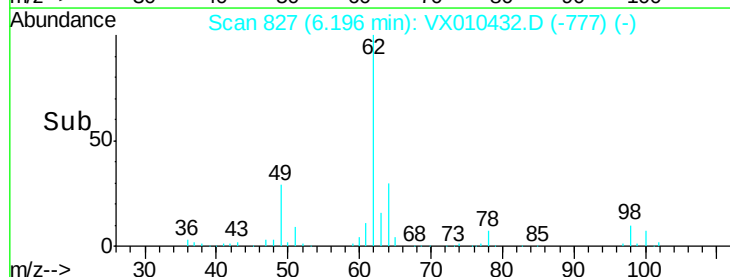
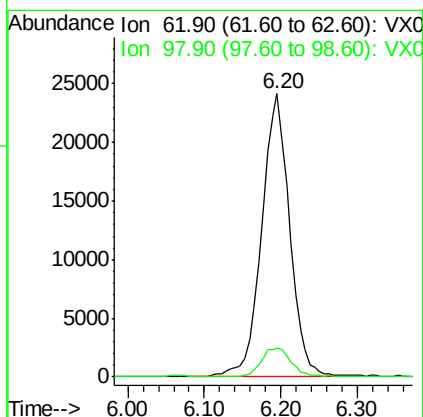
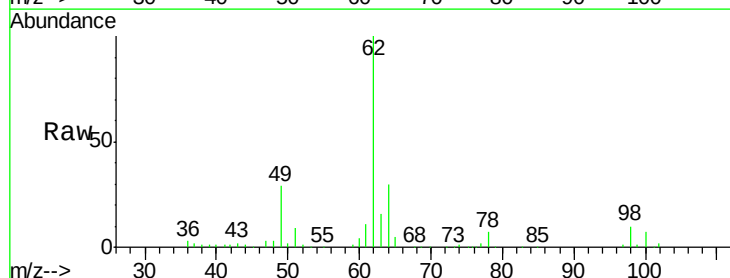
RT: 6.20 min Scan# 827

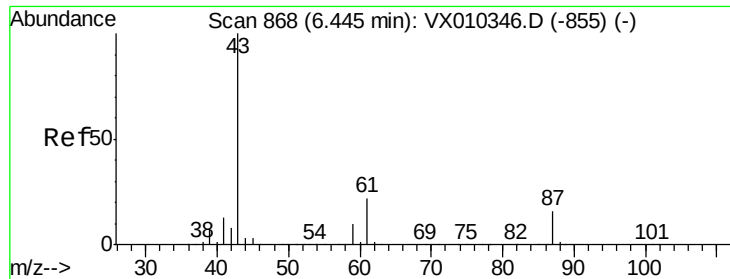
Delta R.T. 0.01 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

Tgt Ion	Ion	Ratio	Lower	Upper
61967	62	100		
	98	11.0	0.0	22.2





#43

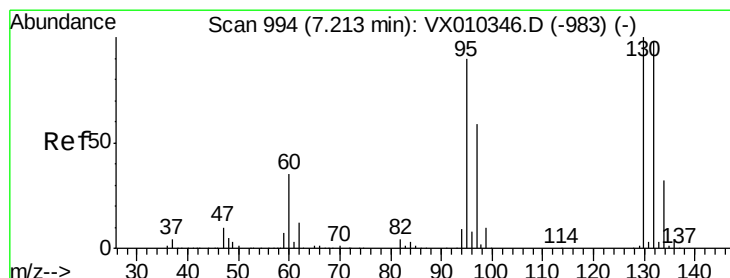
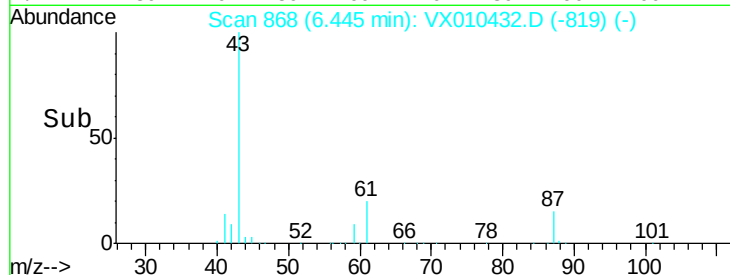
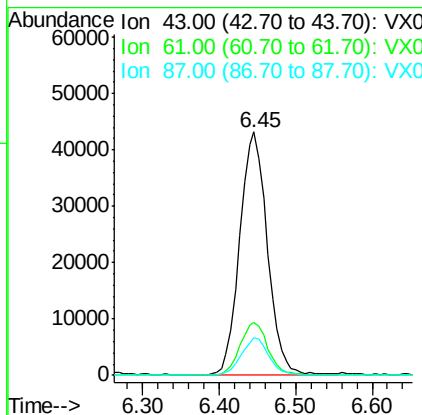
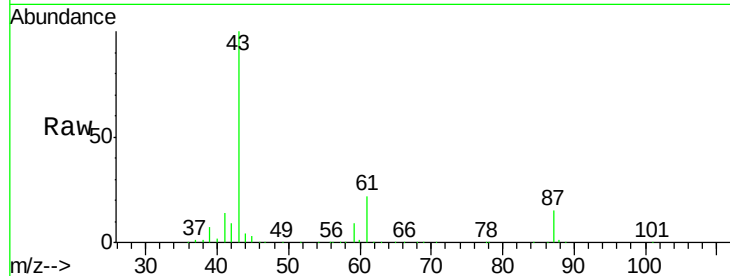
Isopropyl Acetate
 Concen: 19.798 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX010432.D
 Acq: 25 Jun 2019 12:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0625WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.3	17.8	26.6
87	15.3	13.0	19.4

Manual Integrations
 APPROVED

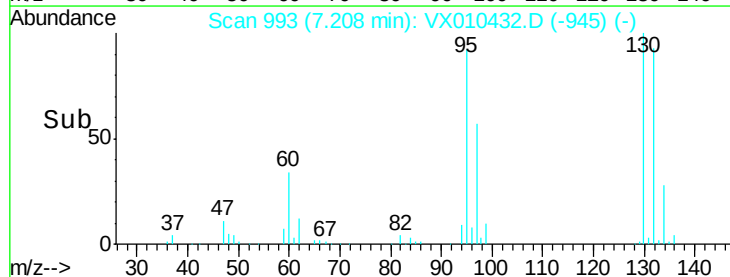
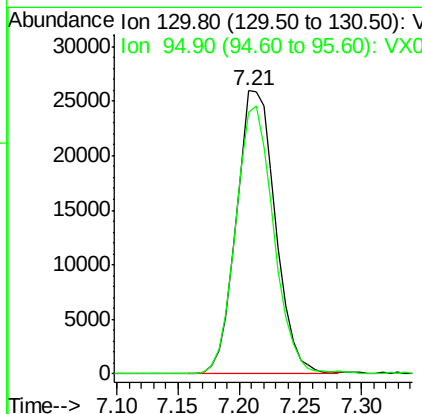
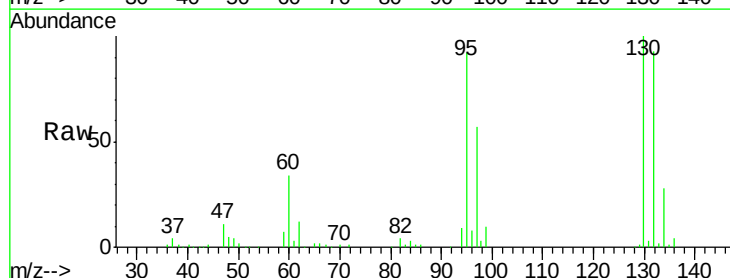
MMDadoda
 7/1/2019 4:59:07 PM

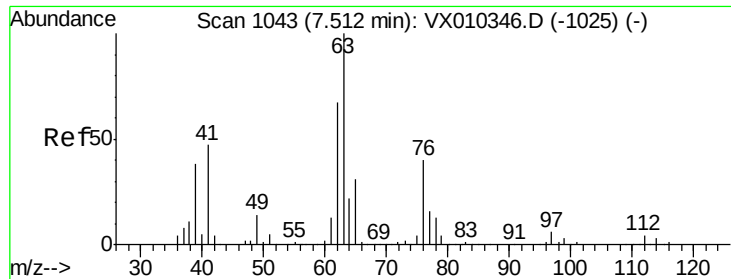


#44

Trichloroethene
 Concen: 19.321 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX010432.D
 Acq: 25 Jun 2019 12:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.3	0.0	180.8





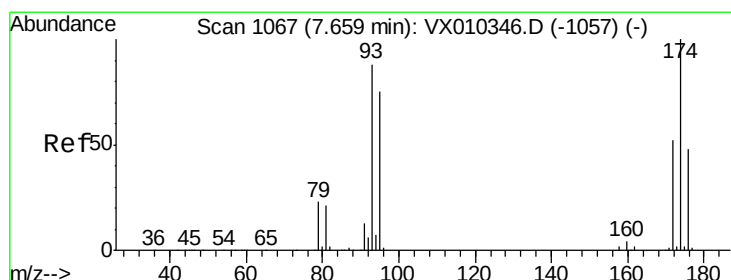
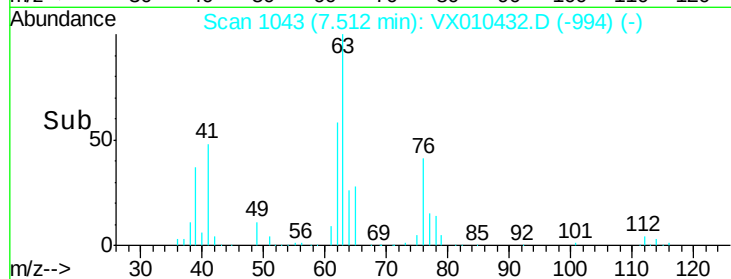
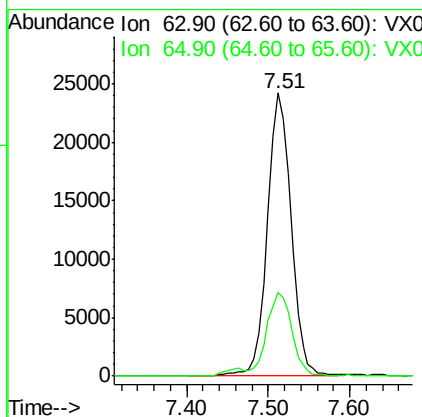
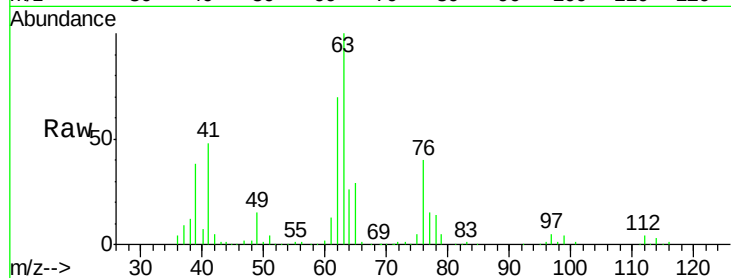
#45
 1,2-Dichloropropane
 Concen: 19.542 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX010432.D
 Acq: 25 Jun 2019 12:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0625WBSD01

Tot Ion: 63 Resp: 49119
 Ion Ratio Lower Upper
 63 100
 65 29.4 24.8 37.2

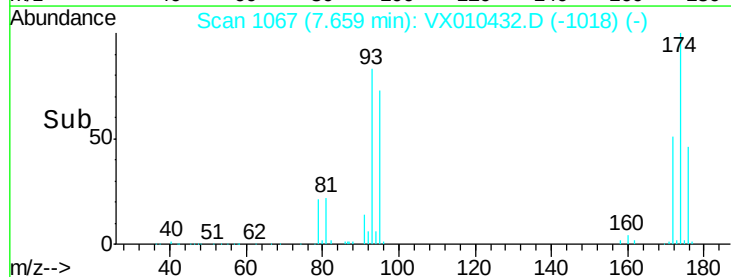
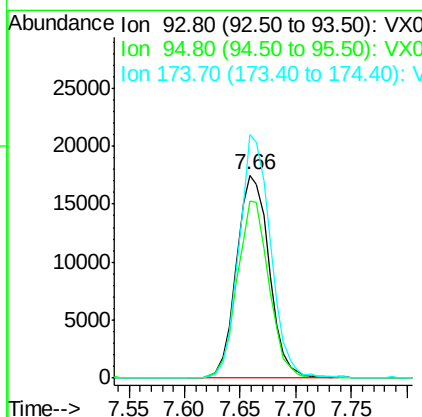
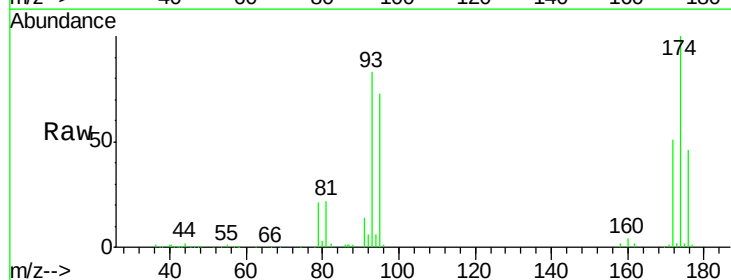
Manual Integrations
 APPROVED

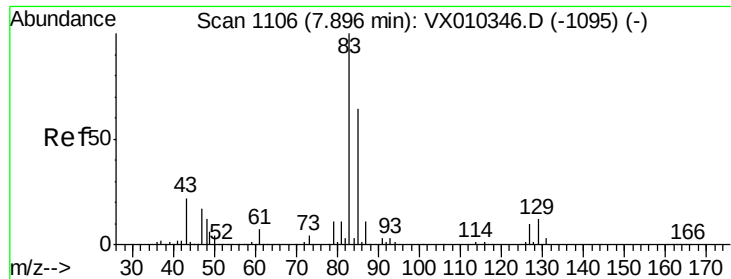
MMDadoda
 7/1/2019 4:59:07 PM



#46
 Dibromomethane
 Concen: 19.786 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX010432.D
 Acq: 25 Jun 2019 12:46

Tgt Ion: 93 Resp: 35682
 Ion Ratio Lower Upper
 93 100
 95 85.2 67.5 101.3
 174 116.1 95.8 143.6





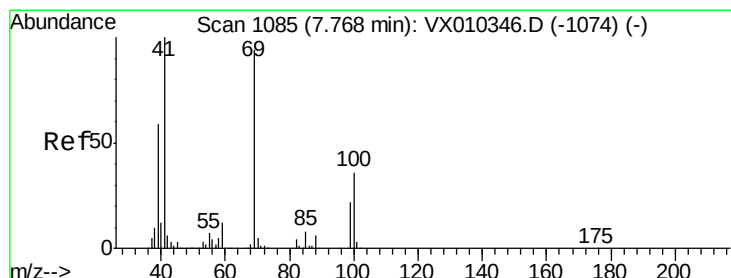
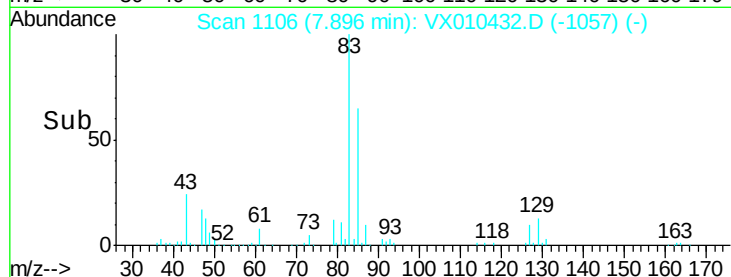
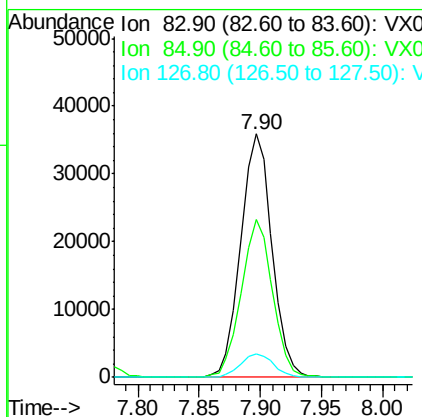
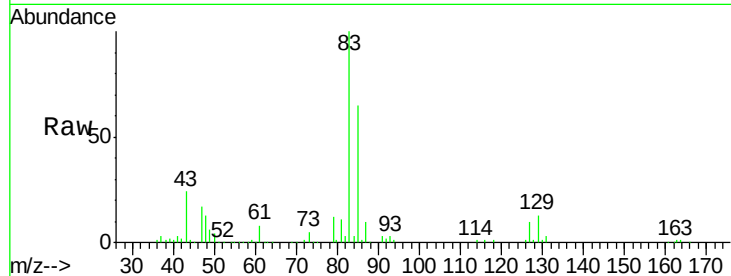
#47
 Bromodichloromethane
 Concen: 19.294 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. 0.00 min
 Lab File: VX010432.D
 Acq: 25 Jun 2019 12:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0625WBSD01

Tot Ion	83	Resp	63766
Ion Ratio	100	Lower	Upper
83	100		
85	64.6	51.5	77.3
127	9.6	7.8	11.8

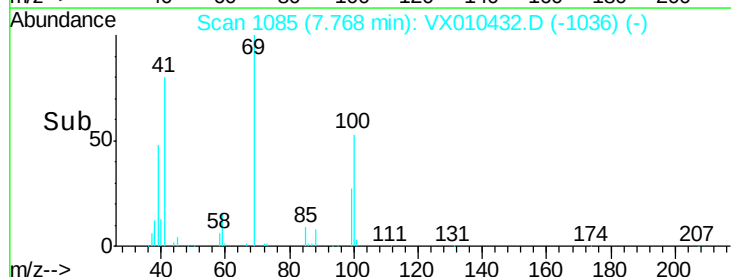
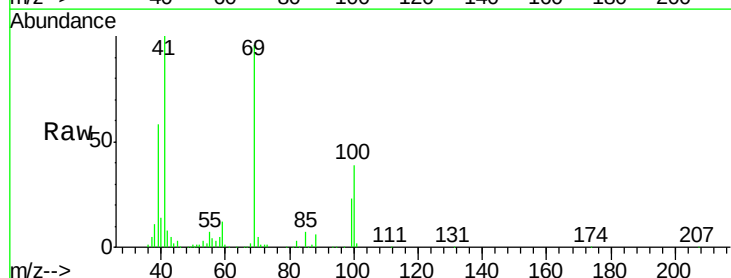
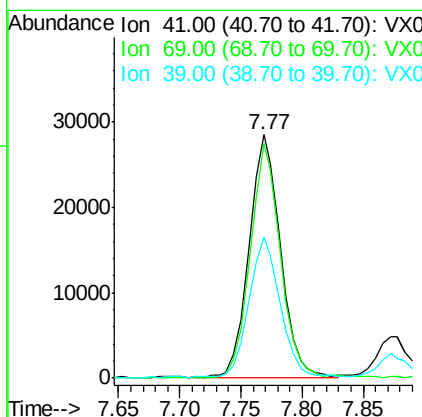
Manual Integrations
 APPROVED

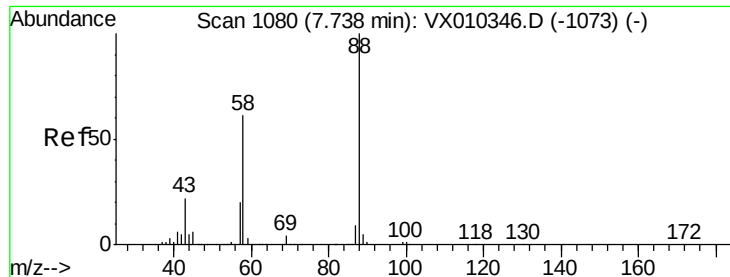
MMDadoda
 7/1/2019 4:59:07 PM



#48
 Methyl methacrylate
 Concen: 19.985 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. 0.00 min
 Lab File: VX010432.D
 Acq: 25 Jun 2019 12:46

Tgt Ion	41	Resp	50514
Ion Ratio	100	Lower	Upper
41	100		
69	94.8	76.1	114.1
39	57.4	47.6	71.4





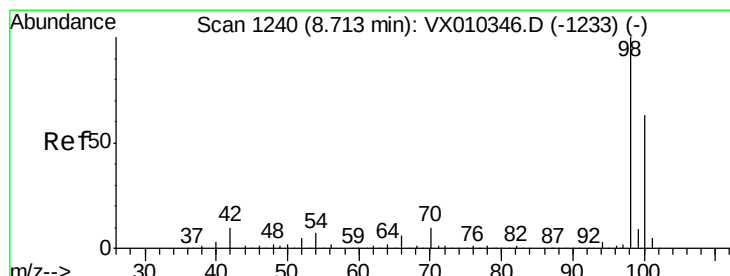
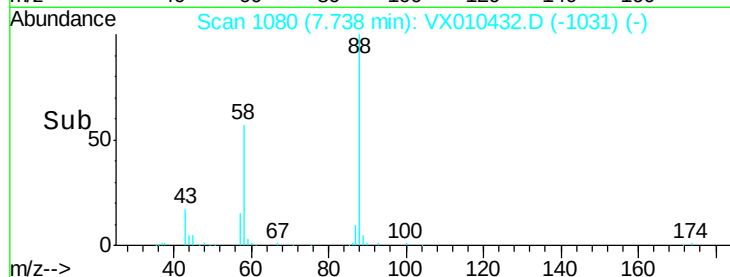
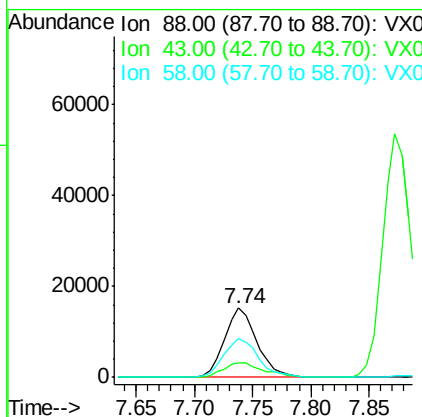
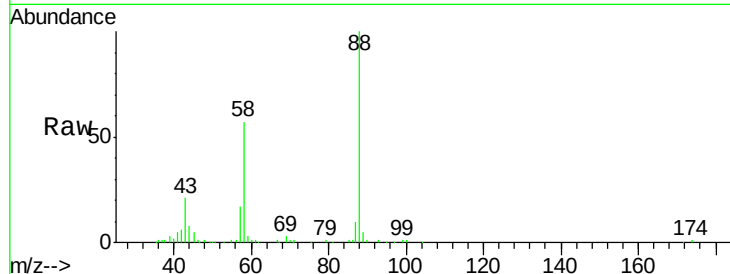
#49
1,4-Dioxane
Concen: 404.712 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010432.D
Acq: 25 Jun 2019 12:46

Instrument :
MSVOA_X
ClientSampled :
VX0625WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.5	20.2	30.2
58	60.5	49.5	74.3

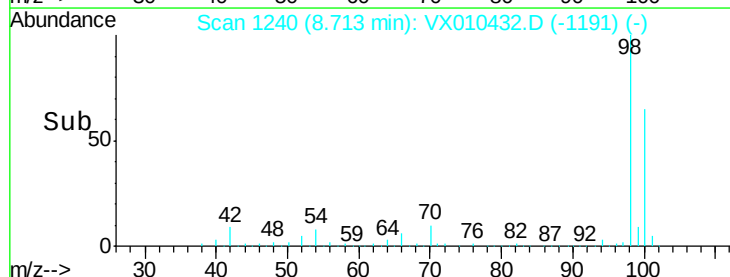
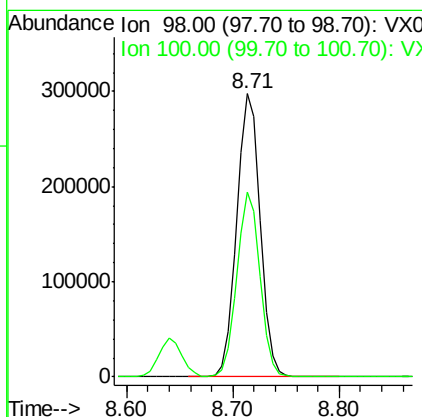
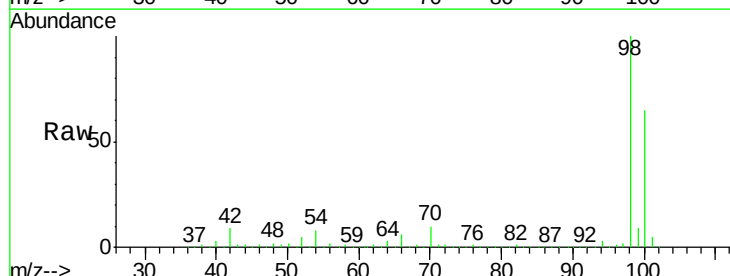
Manual Integrations
APPROVED

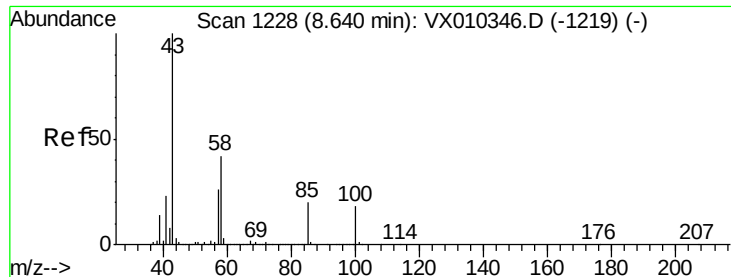
MMDadoda
7/1/2019 4:59:07 PM



#50
Toluene-d8
Concen: 49.072 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010432.D
Acq: 25 Jun 2019 12:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.6	77.4





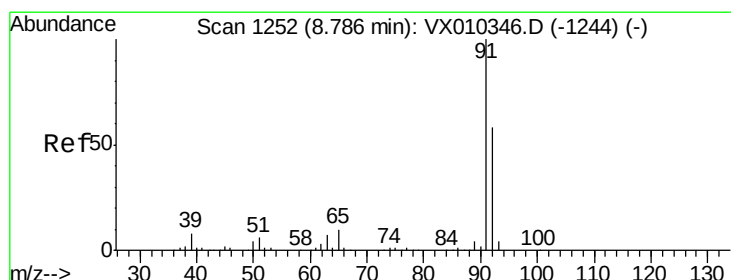
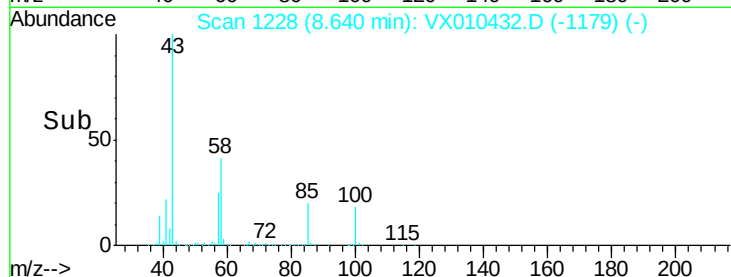
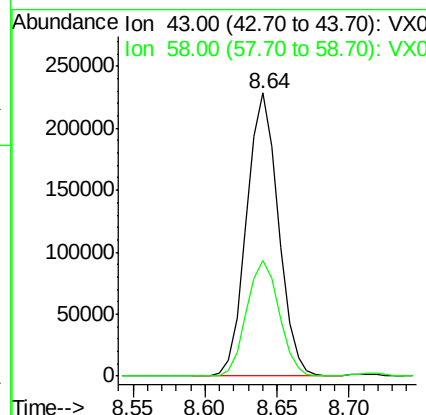
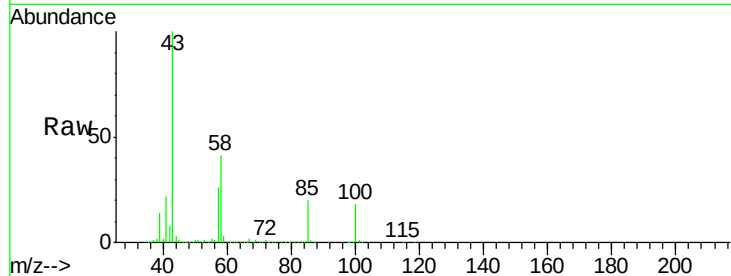
#51
4-Methyl-2-Pentanone
Concen: 100.456 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX010432.D
Acq: 25 Jun 2019 12:46

Instrument :
MSVOA_X
ClientSampleId :
VX0625WBSD01

Tot Ion: 43 Resp: 349365
Ion Ratio Lower Upper
43 100
58 41.6 33.5 50.3

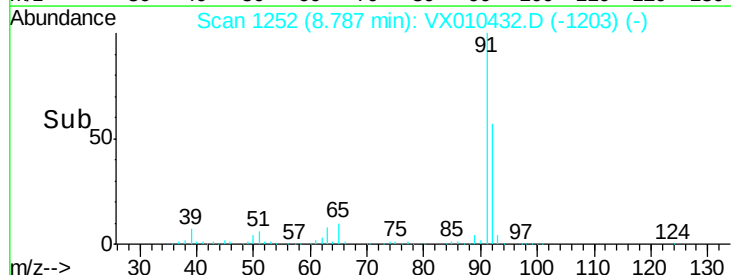
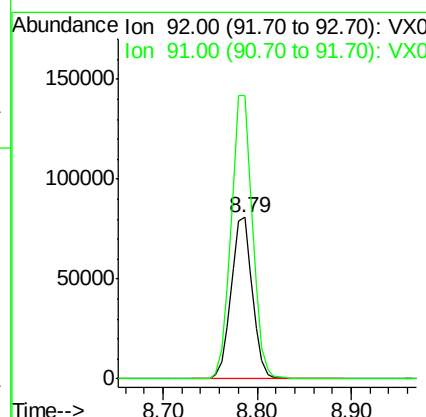
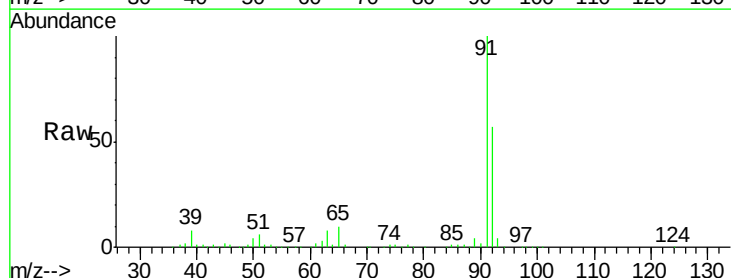
Manual Integrations
APPROVED

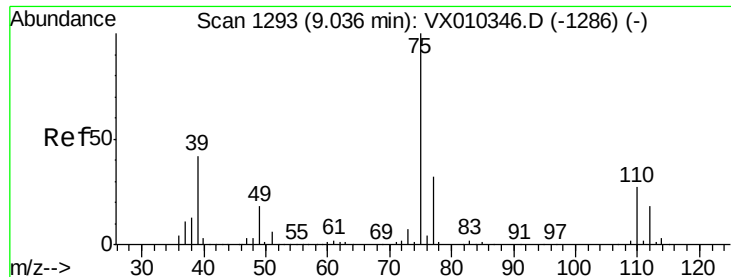
MMDadoda
7/1/2019 4:59:07 PM



#52
Toluene
Concen: 19.374 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX010432.D
Acq: 25 Jun 2019 12:46

Tgt Ion: 92 Resp: 126988
Ion Ratio Lower Upper
92 100
91 175.5 139.8 209.6





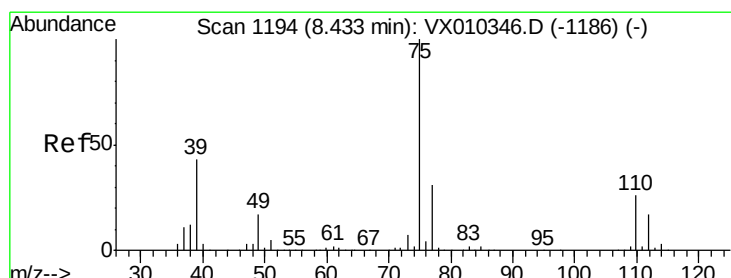
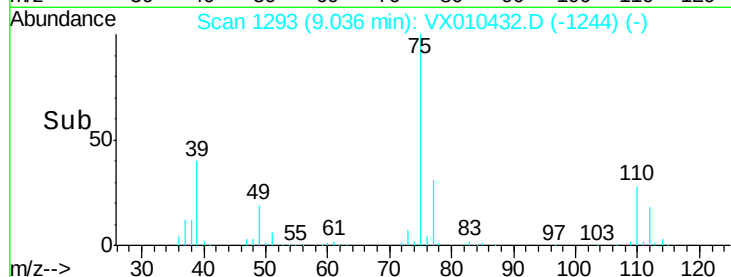
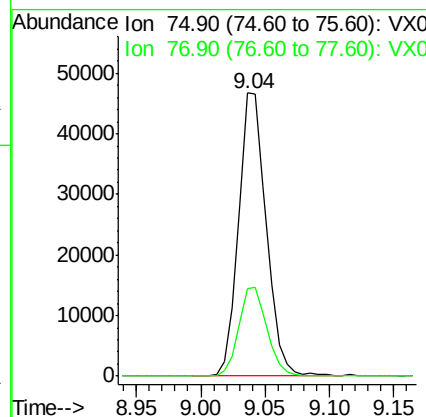
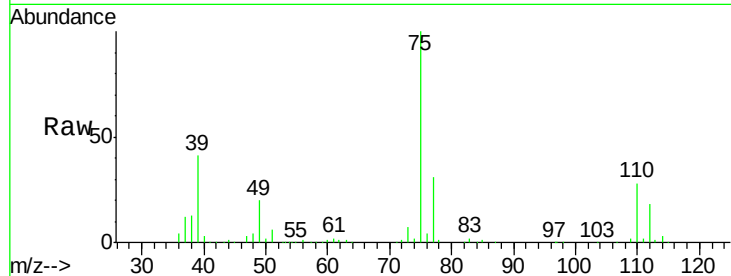
#53
t-1,3-Dichloropropene
Concen: 18.918 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX010432.D
Acq: 25 Jun 2019 12:46

Instrument :
MSVOA_X
ClientSampleId :
VX0625WBSD01

Tot Ion: 75 Resp: 70097
Ion Ratio Lower Upper
75 100
77 30.7 25.4 38.2

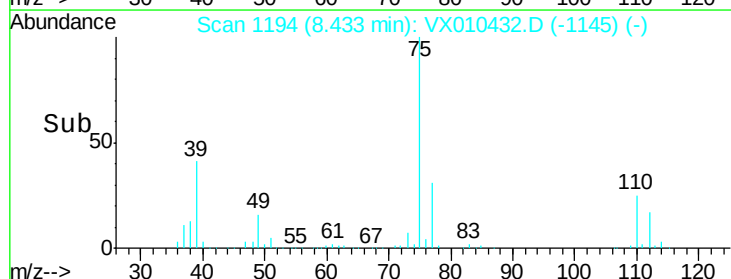
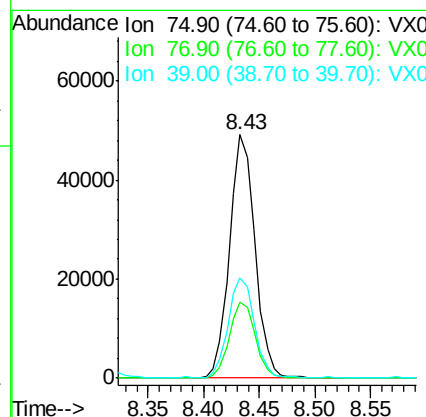
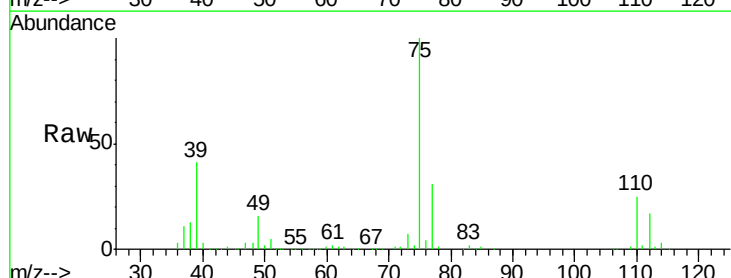
Manual Integrations
APPROVED

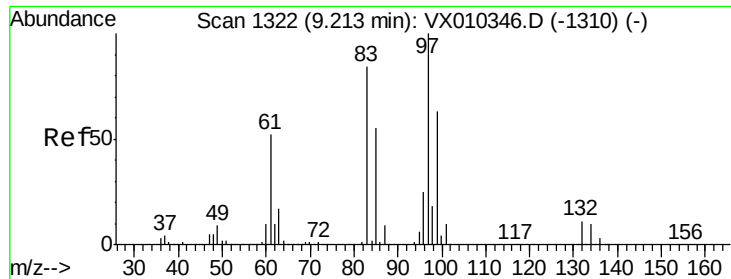
MMDadoda
7/1/2019 4:59:07 PM



#54
cis-1,3-Dichloropropene
Concen: 19.348 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010432.D
Acq: 25 Jun 2019 12:46

Tgt Ion: 75 Resp: 77907
Ion Ratio Lower Upper
75 100
77 31.0 25.2 37.8
39 40.9 34.5 51.7





#55

1,1,2-Trichloroethane

Concen: 19.894 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

Instrument :

MSVOA_X

ClientSampleId :

VX0625WBSD01

Tot Ion: 97 Resp: 53779

Ion Ratio Lower Upper

97 100

83 81.6 67.4 101.0

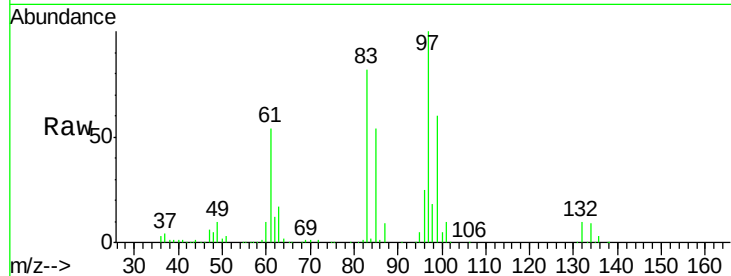
85 54.5 43.8 65.8

99 60.3 50.3 75.5

Manual Integrations
APPROVED

MMDadoda

7/1/2019 4:59:07 PM

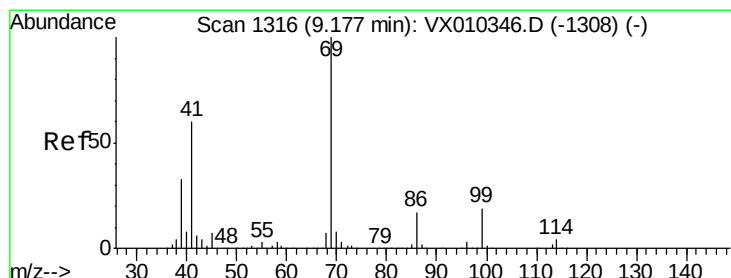
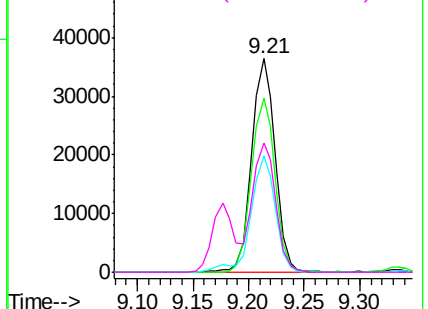
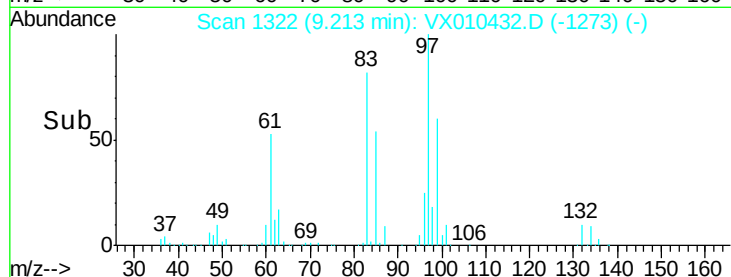


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 19.431 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

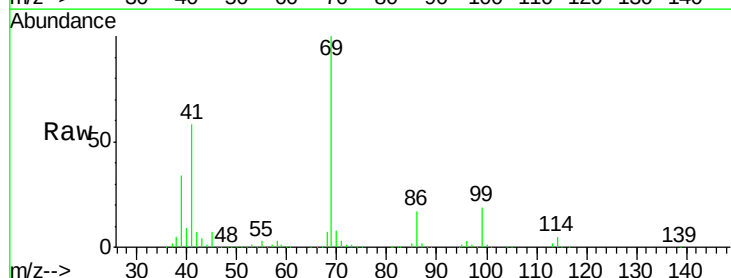
Tgt Ion: 69 Resp: 79573

Ion Ratio Lower Upper

69 100

41 59.6 47.1 70.7

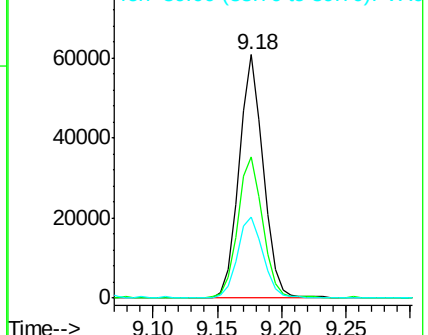
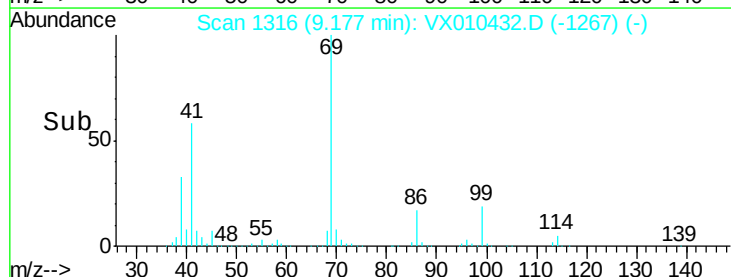
39 34.4 26.6 40.0

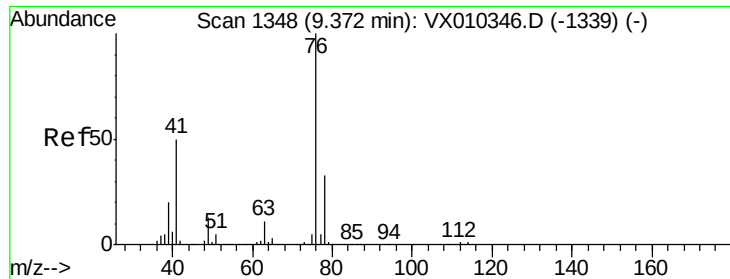


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





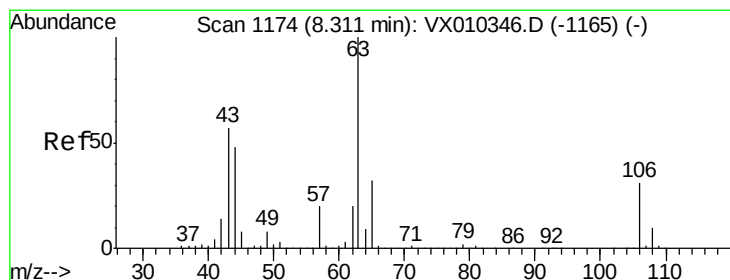
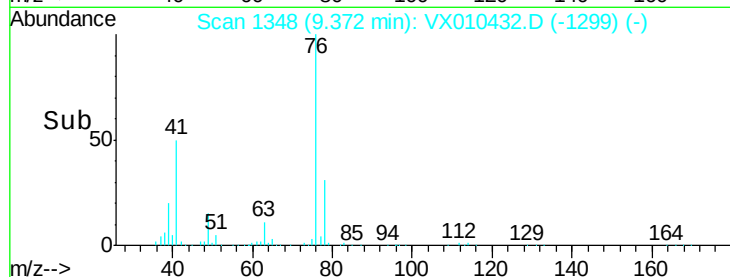
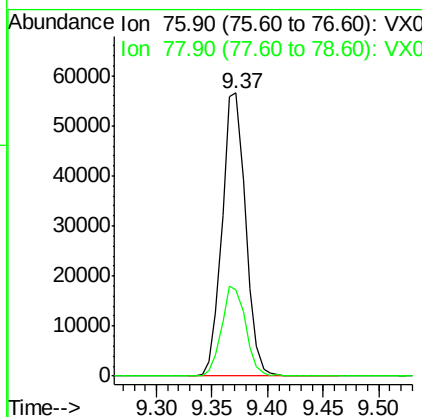
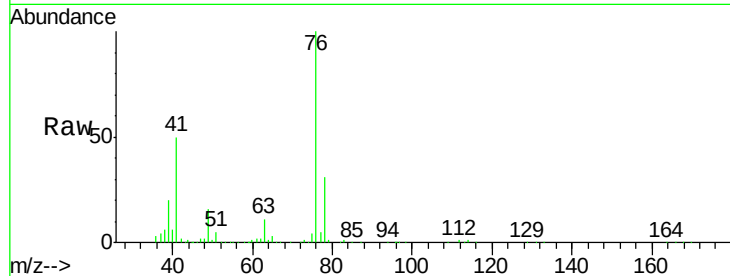
#57
 1,3-Dichloropropane
 Concen: 19.743 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX010432.D
 Acq: 25 Jun 2019 12:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0625WBSD01

Tot Ion: 76 Resp: 82848
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.1 39.1

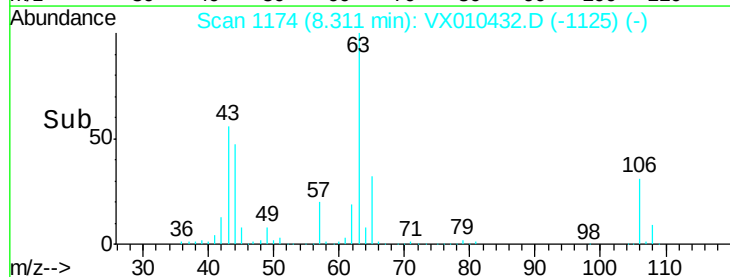
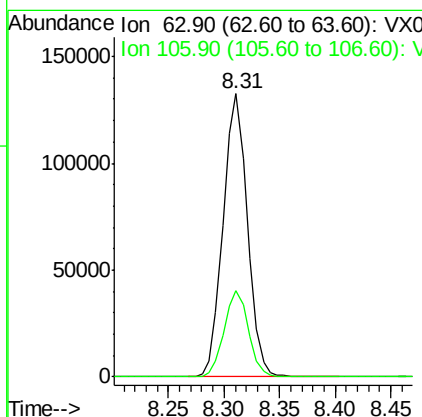
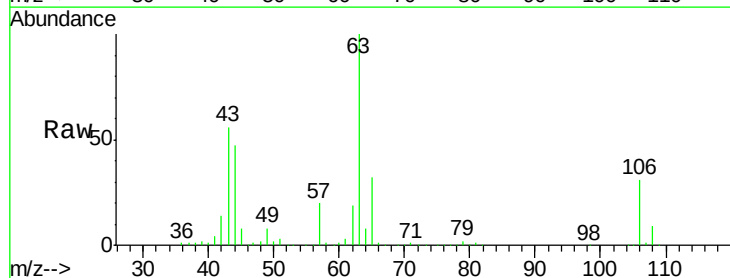
Manual Integrations
 APPROVED

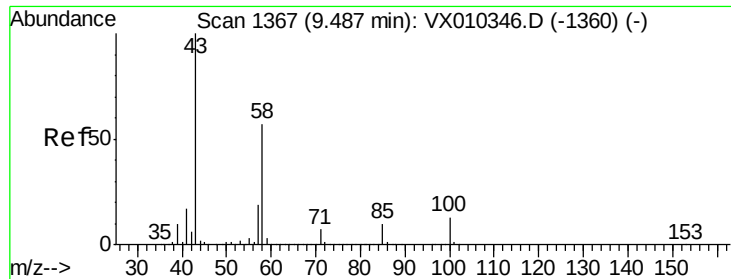
MMDadoda
 7/1/2019 4:59:07 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.425 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX010432.D
 Acq: 25 Jun 2019 12:46

Tgt Ion: 63 Resp: 201148
 Ion Ratio Lower Upper
 63 100
 106 30.6 24.7 37.1





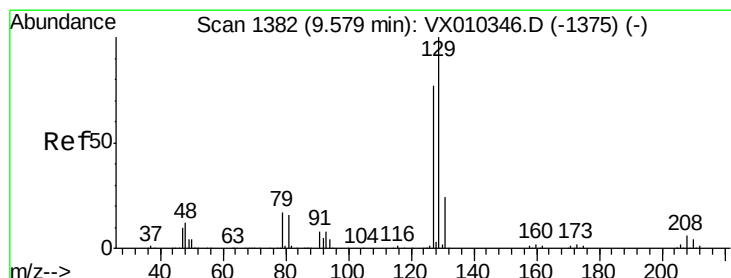
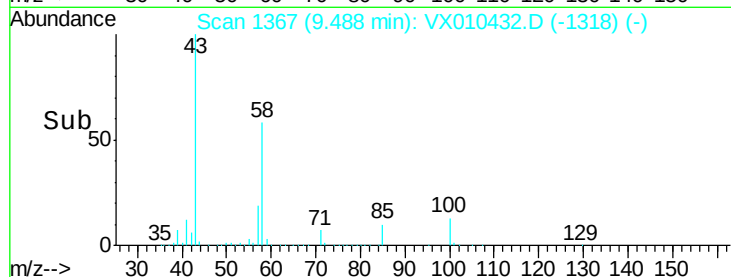
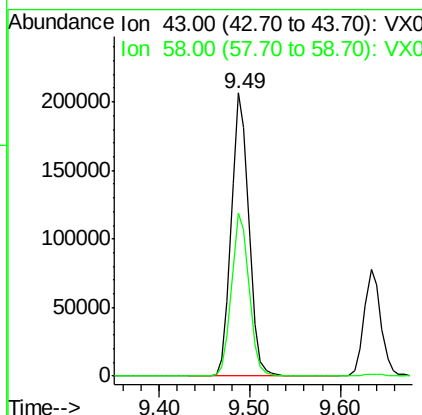
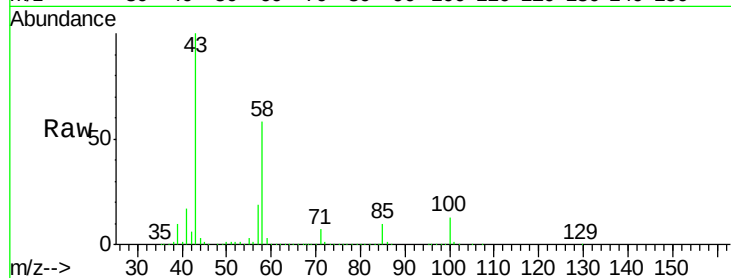
#59
2-Hexanone
Concen: 101.337 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010432.D
Acq: 25 Jun 2019 12:46

Instrument :
MSVOA_X
ClientSampleId :
VX0625WBSD01

Tot Ion: 43 Resp: 277373
Ion Ratio Lower Upper
43 100
58 57.7 29.0 87.1

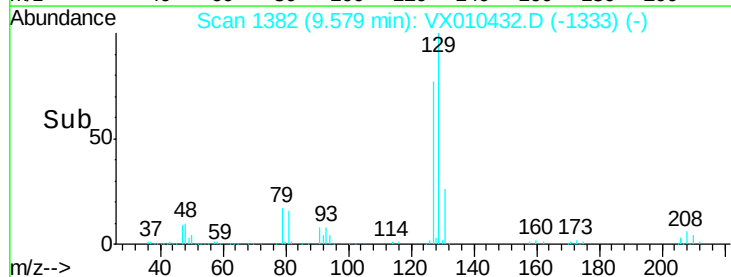
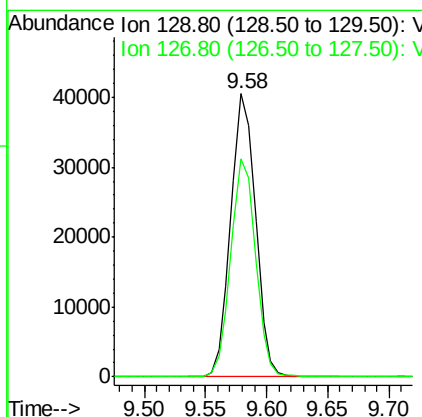
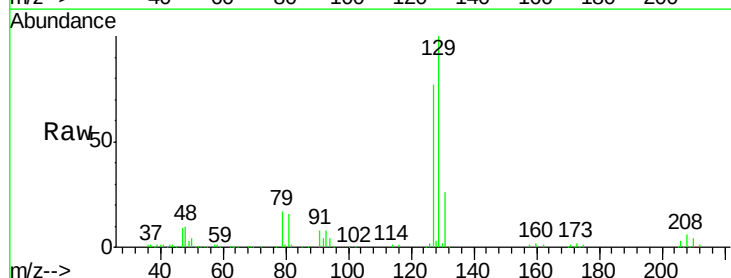
Manual Integrations
APPROVED

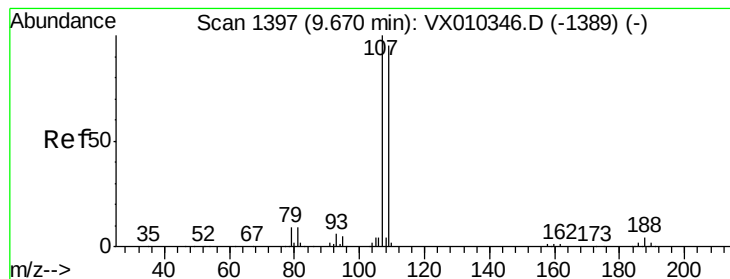
MMDadoda
7/1/2019 4:59:07 PM



#60
Dibromochloromethane
Concen: 18.802 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010432.D
Acq: 25 Jun 2019 12:46

Tgt Ion: 129 Resp: 56910
Ion Ratio Lower Upper
129 100
127 76.8 38.4 115.1





#61

1,2-Dibromoethane

Concen: 19.554 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

Instrument :

MSVOA_X

ClientSampleId :

VX0625WBSD01

Tot Ion: 107 Resp: 57057

Ion Ratio Lower Upper

107 100

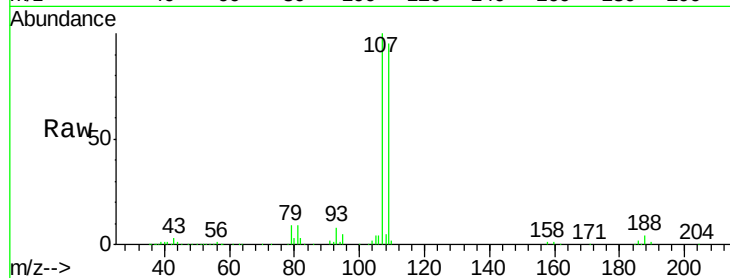
109 96.4 75.8 113.6

Manual Integrations

APPROVED

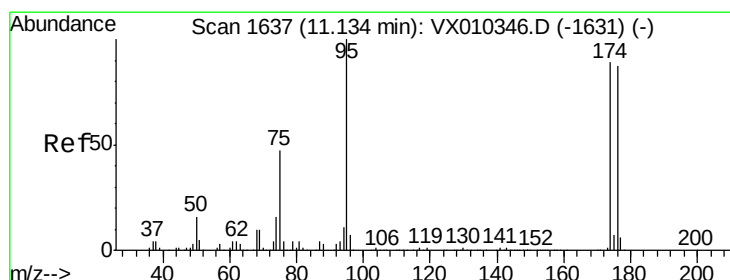
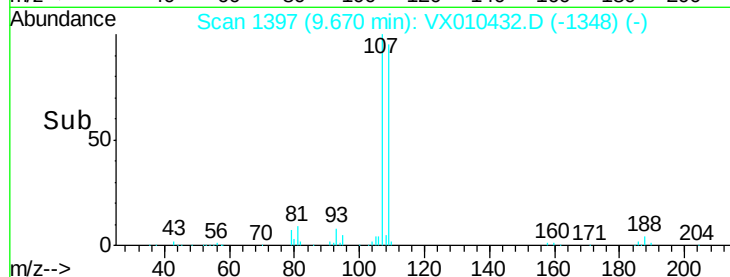
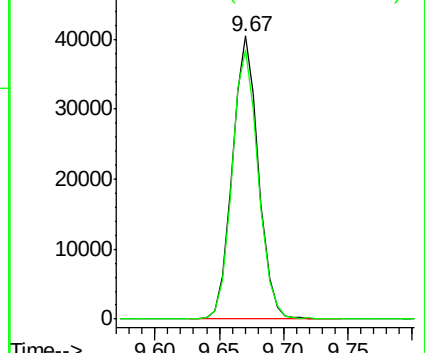
MMDadoda

7/1/2019 4:59:07 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.576 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

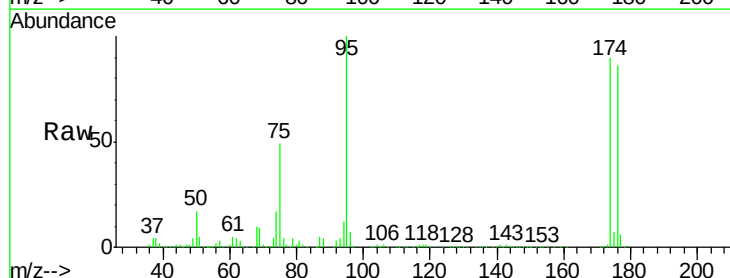
Tgt Ion: 95 Resp: 165038

Ion Ratio Lower Upper

95 100

174 94.0 0.0 187.6

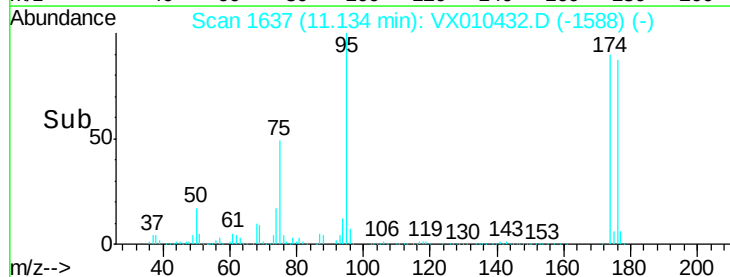
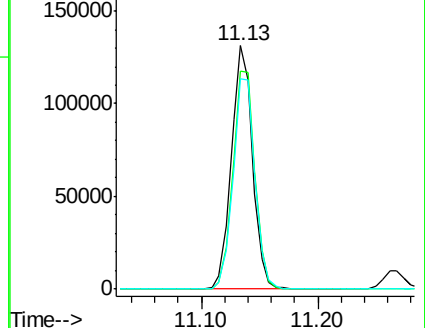
176 90.2 0.0 184.0

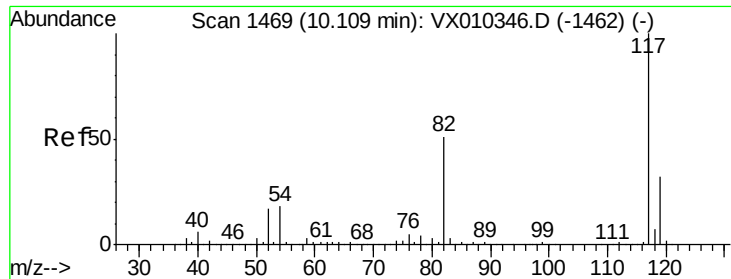


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





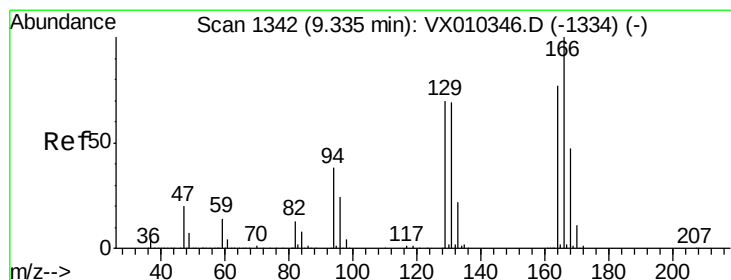
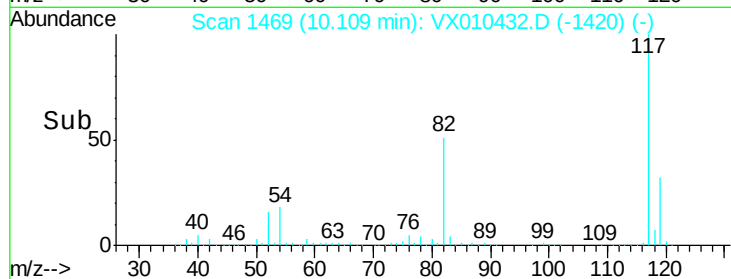
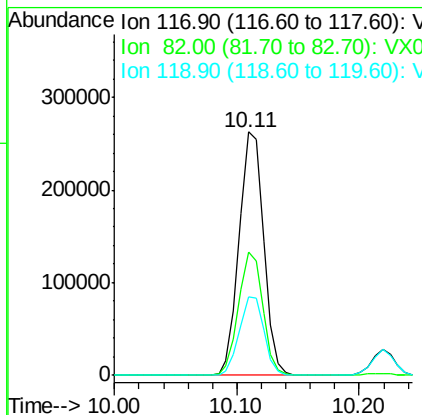
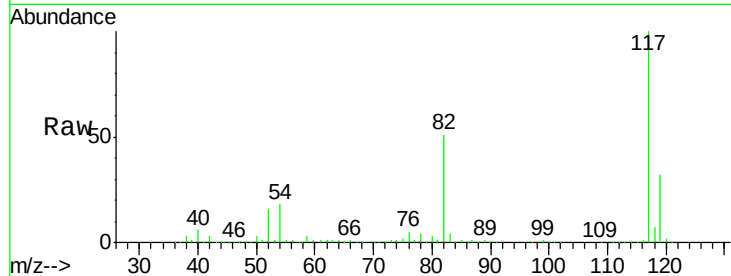
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010432.D
Acq: 25 Jun 2019 12:46

Instrument :
MSVOA_X
ClientSampleId :
VX0625WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	365555		
82	50.6		41.2	61.8
119	32.3		25.5	38.3

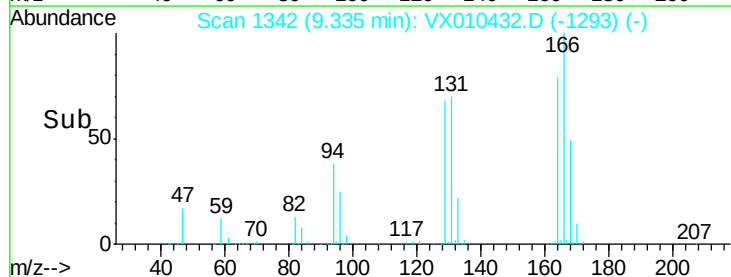
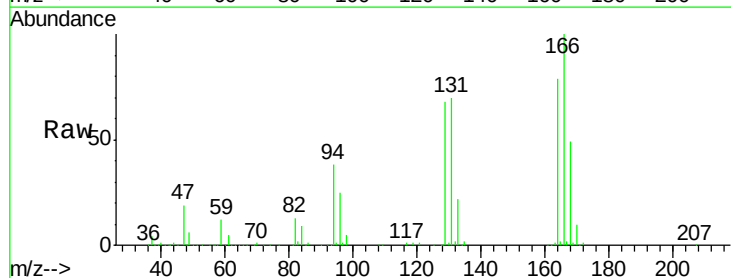
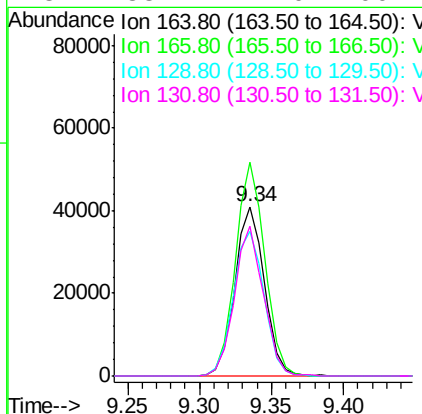
Manual Integrations
APPROVED

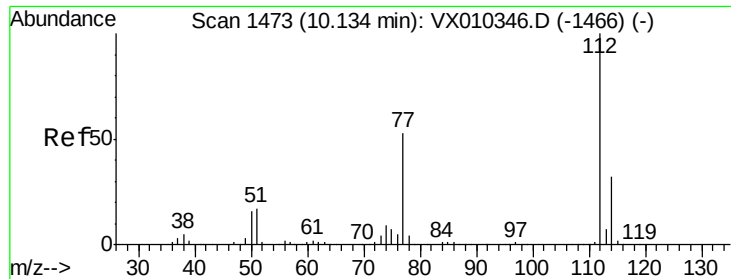
MMDadoda
7/1/2019 4:59:07 PM



#64
Tetrachloroethene
Concen: 19.730 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010432.D
Acq: 25 Jun 2019 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	58335		
166	126.3		103.6	155.4
129	85.5		73.0	109.4
131	88.2		71.0	106.4





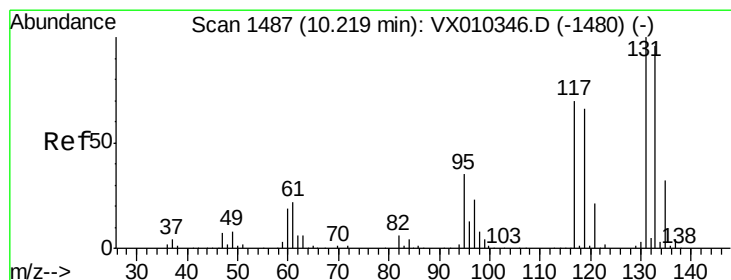
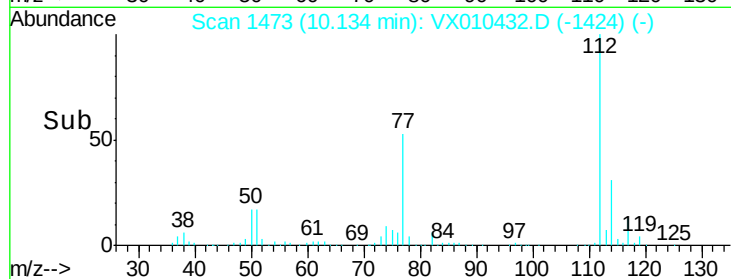
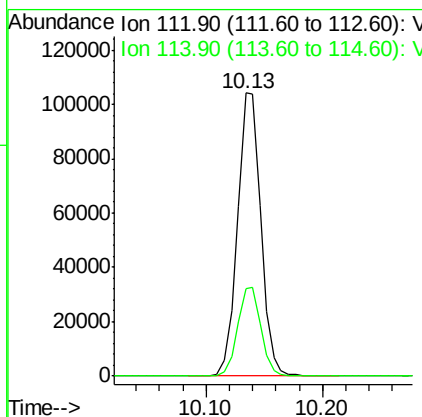
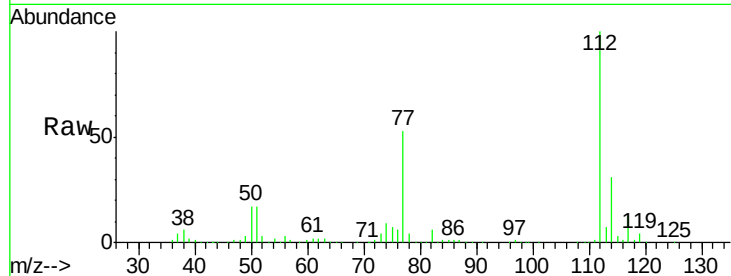
#65
Chlorobenzene
Concen: 19.628 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010432.D
Acq: 25 Jun 2019 12:46

Instrument :
MSVOA_X
ClientSampleId :
VX0625WBSD01

Tot Ion:112 Resp: 145665
Ion Ratio Lower Upper
112 100
114 30.9 25.4 38.2

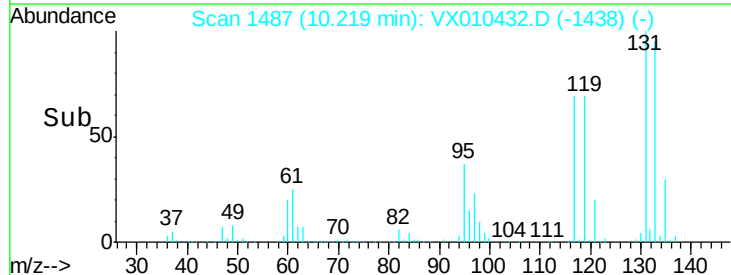
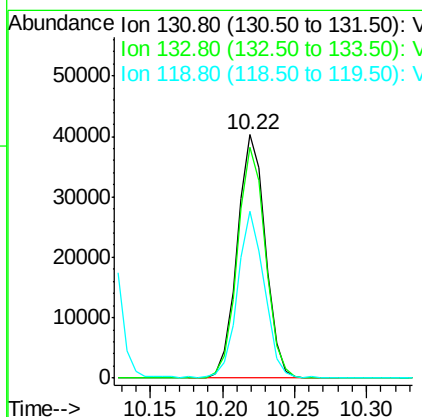
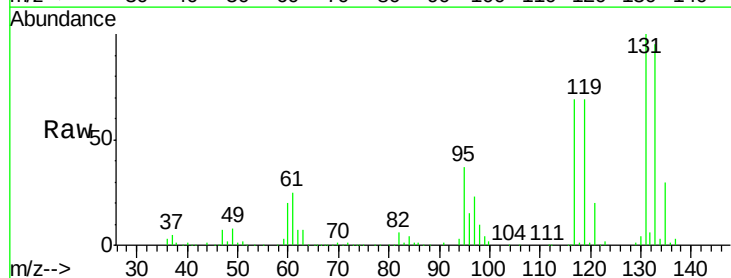
Manual Integrations
APPROVED

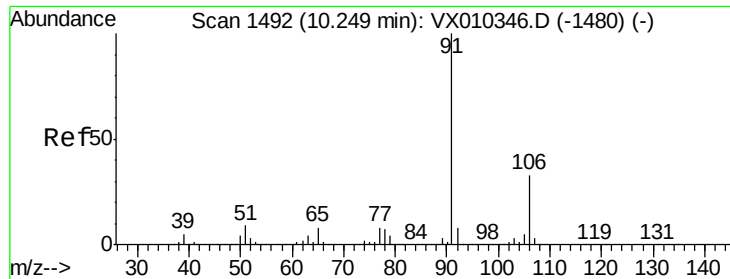
MMDadoda
7/1/2019 4:59:07 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.212 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010432.D
Acq: 25 Jun 2019 12:46

Tgt Ion:131 Resp: 54638
Ion Ratio Lower Upper
131 100
133 94.0 47.7 143.1
119 65.7 32.6 97.7





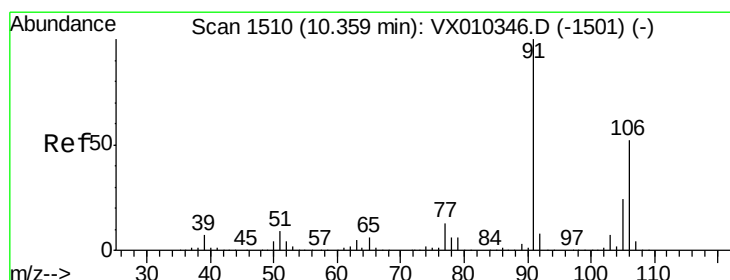
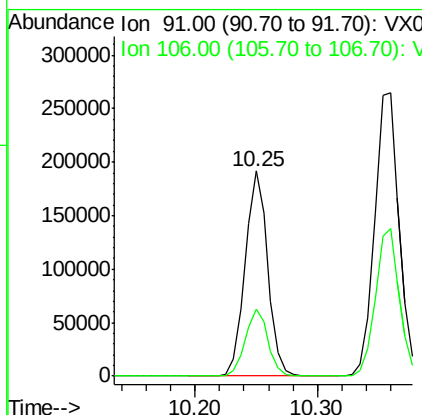
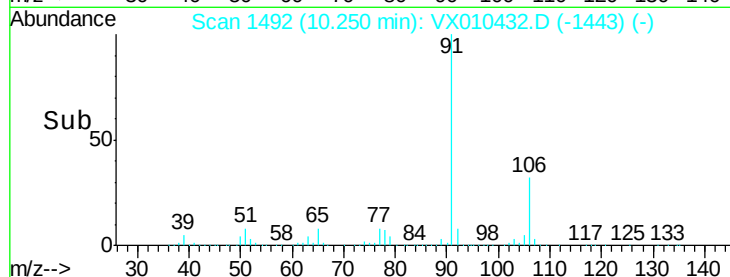
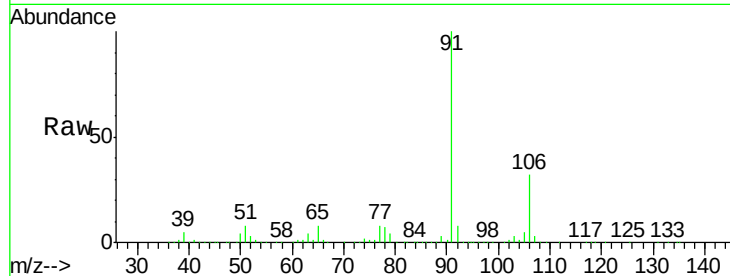
#67
Ethyl Benzene
Concen: 19.547 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010432.D
Acq: 25 Jun 2019 12:46

Instrument :
MSVOA_X
ClientSampleId :
VX0625WBSD01

Tot Ion: 91 Resp: 244903
Ion Ratio Lower Upper
91 100
106 32.5 26.2 39.2

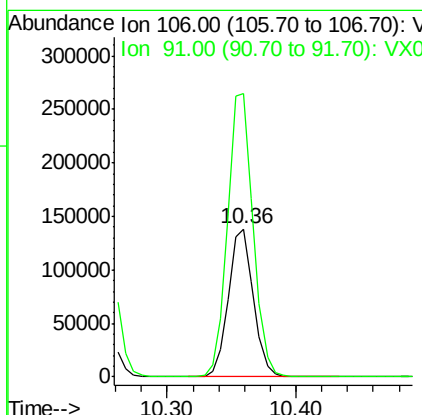
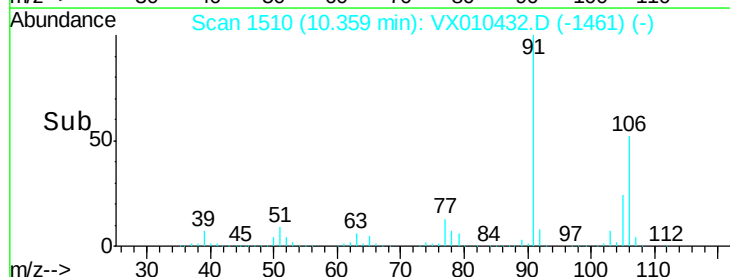
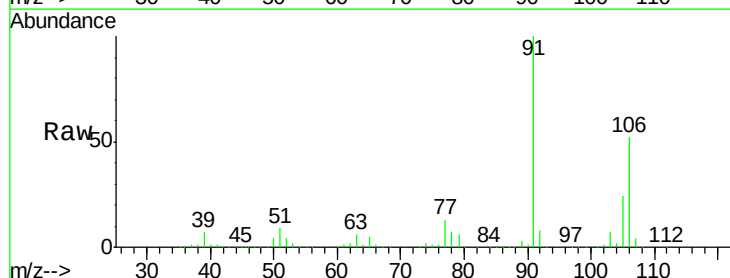
Manual Integrations
APPROVED

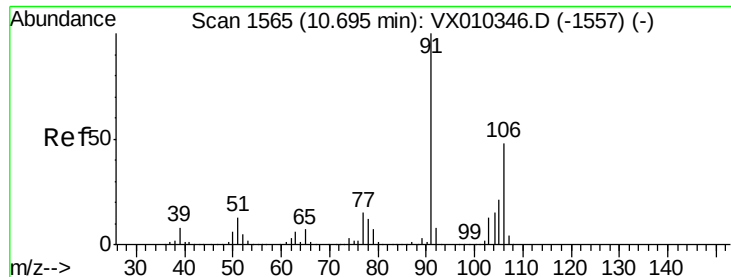
MMDadoda
7/1/2019 4:59:07 PM



#68
m/p-Xylenes
Concen: 38.678 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010432.D
Acq: 25 Jun 2019 12:46

Tgt Ion: 106 Resp: 187769
Ion Ratio Lower Upper
106 100
91 196.4 155.3 232.9





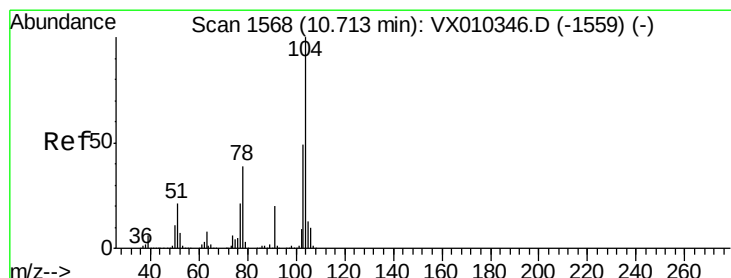
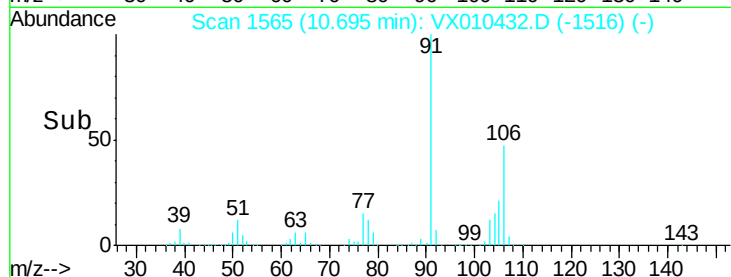
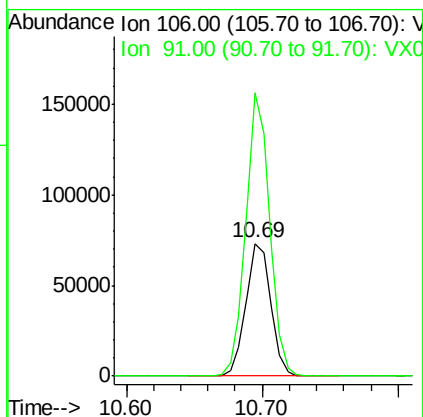
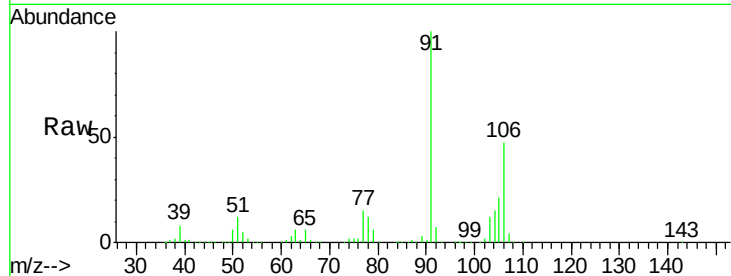
#69
o-Xylene
Concen: 19.768 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010432.D
Acq: 25 Jun 2019 12:46

Instrument :
MSVOA_X
ClientSampleId :
VX0625WBSD01

Tot Ion:106 Resp: 94377
Ion Ratio Lower Upper
106 100
91 203.7 102.7 308.1

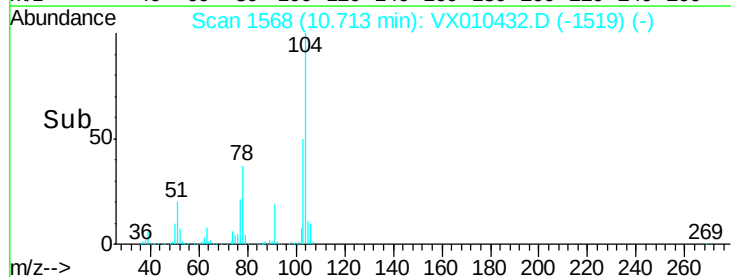
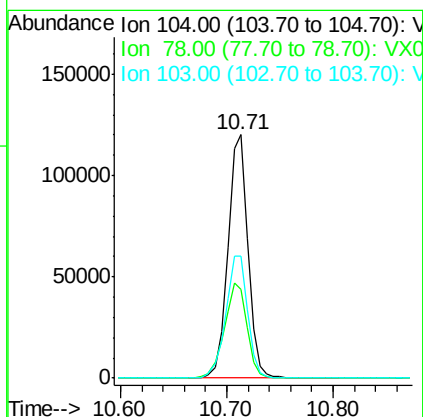
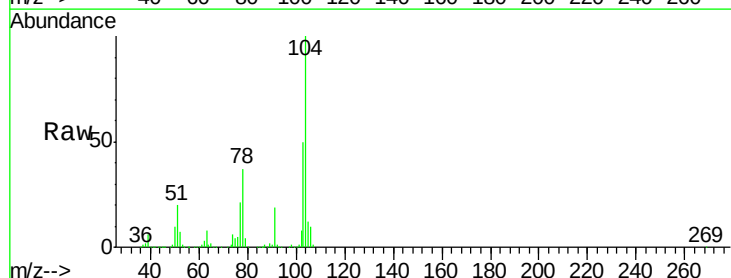
Manual Integrations
APPROVED

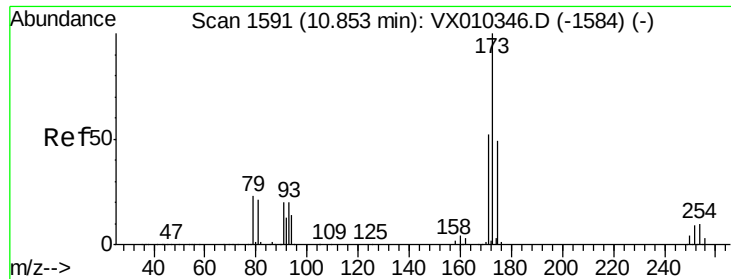
MMDadoda
7/1/2019 4:59:07 PM



#70
Styrene
Concen: 19.772 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010432.D
Acq: 25 Jun 2019 12:46

Tgt Ion:104 Resp: 158306
Ion Ratio Lower Upper
104 100
78 43.9 36.2 54.2
103 55.2 44.2 66.4





#71

Bromoform

Concen: 18.511 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

Instrument :

MSVOA_X

ClientSampleId :

VX0625WBSD01

Tot Ion:173 Resp: 43517

Ion Ratio Lower Upper

173 100

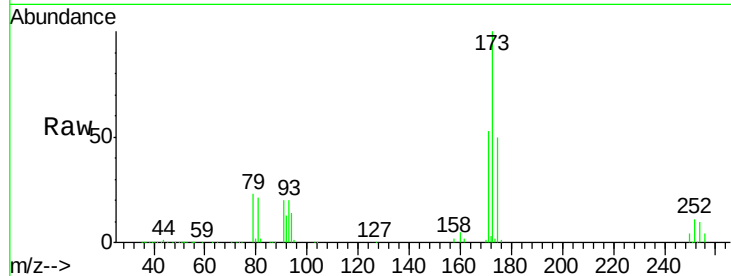
175 50.1 24.1 72.3

254 0.0 0.2 0.2#

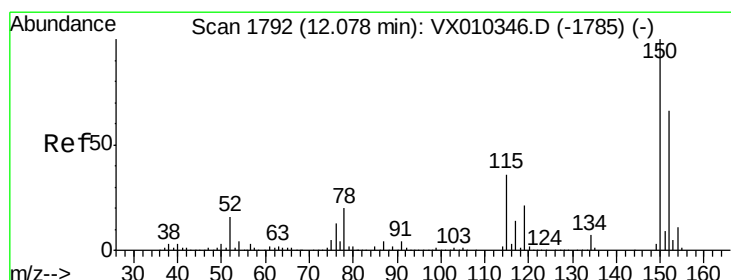
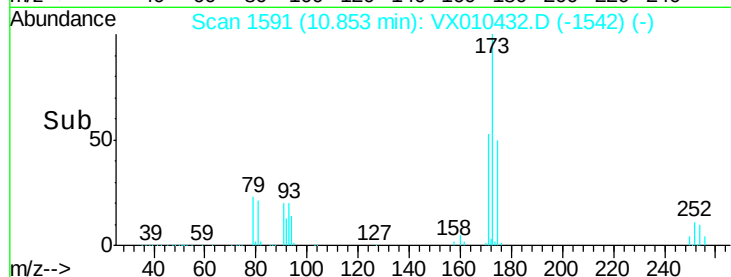
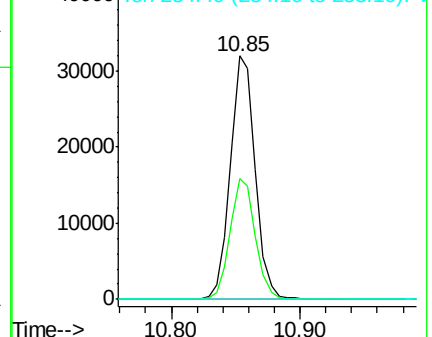
Manual Integrations
APPROVED

MMDadoda

7/1/2019 4:59:07 PM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

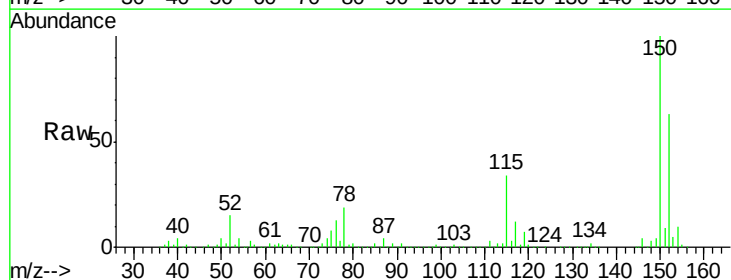
Tgt Ion:152 Resp: 183570

Ion Ratio Lower Upper

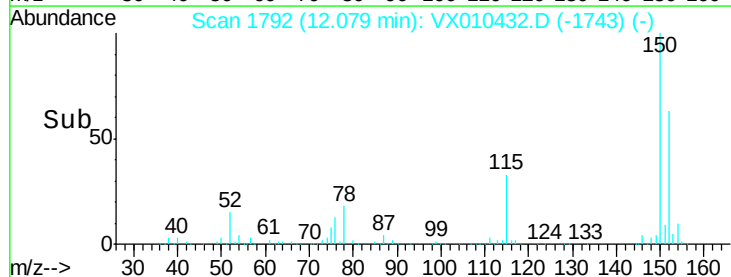
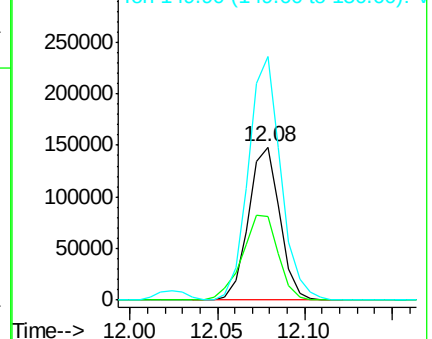
152 100

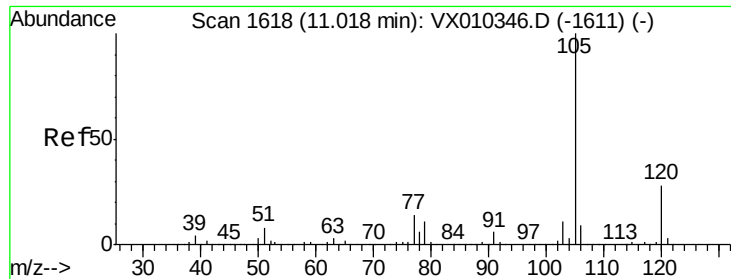
115 64.3 38.6 115.7

150 164.8 0.0 347.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.787 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

Instrument :

MSVOA_X

ClientSampleId :

VX0625WBSD01

Tot Ion:105 Resp: 246231

Ion Ratio Lower Upper

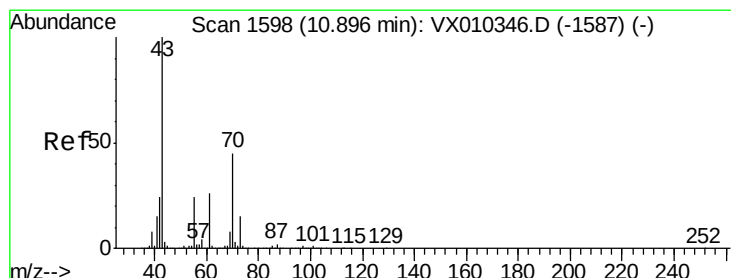
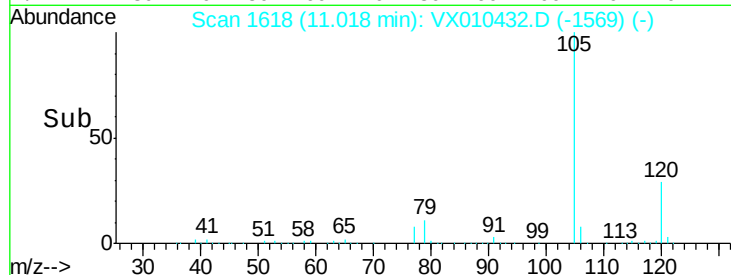
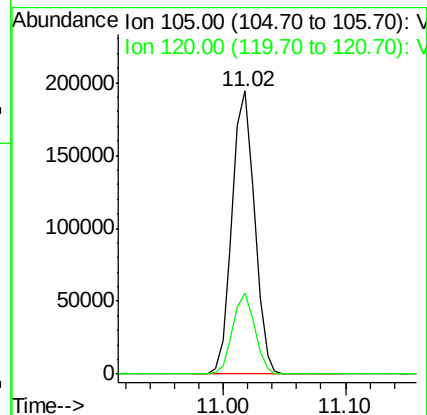
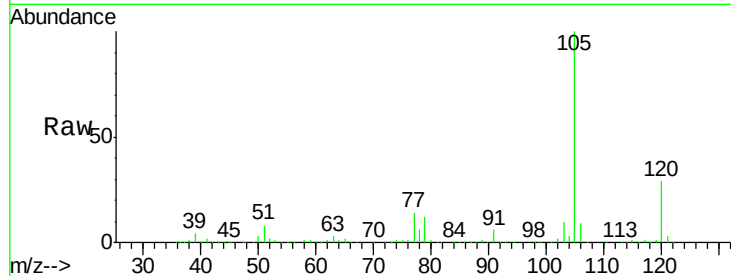
105 100

120 28.0 14.1 42.4

Manual Integrations
APPROVED

MMDadoda

7/1/2019 4:59:07 PM



#74

N-ethyl acetate

Concen: 20.081 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

Tgt Ion: 43 Resp: 94438

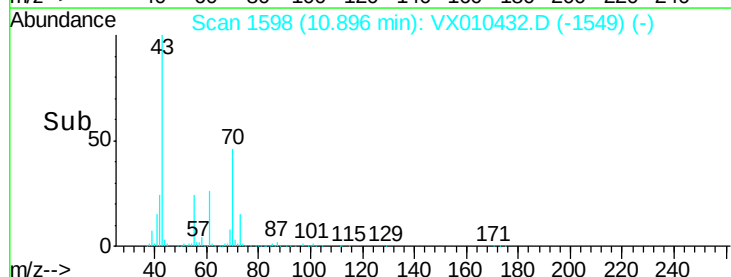
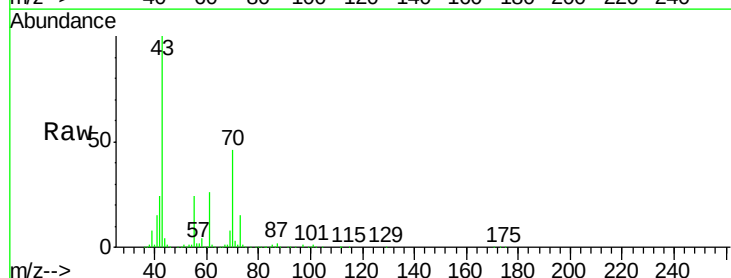
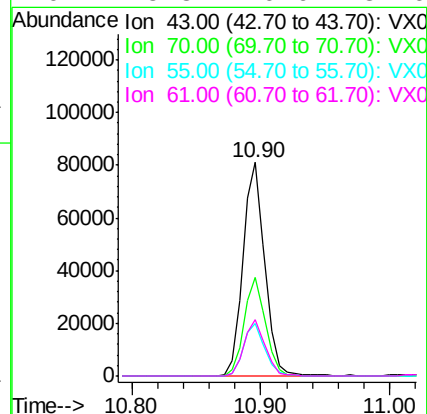
Ion Ratio Lower Upper

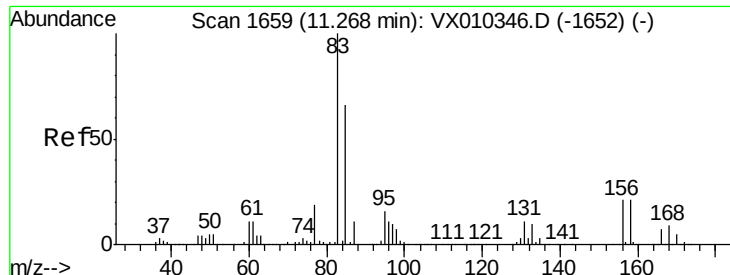
43 100

70 45.6 36.6 54.8

55 24.8 18.7 28.1

61 25.8 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.989 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

Instrument :

MSVOA_X

ClientSampleId :

VX0625WBSD01

Tot Ion: 83 Resp: 82376

Ion Ratio Lower Upper

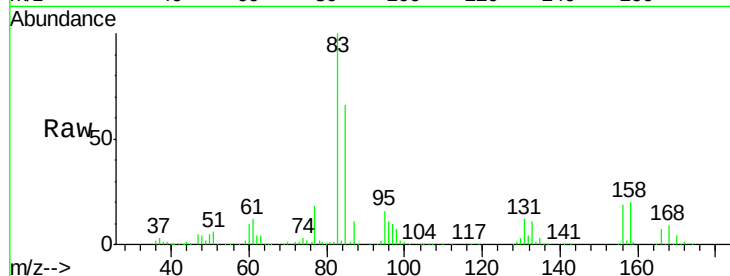
83 100

131 11.5 5.5 16.4

85 66.1 32.3 96.8

Manual Integrations
APPROVED

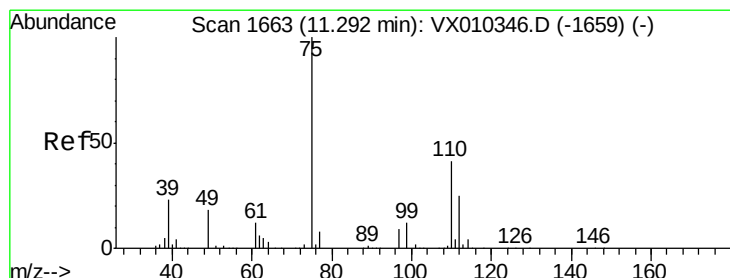
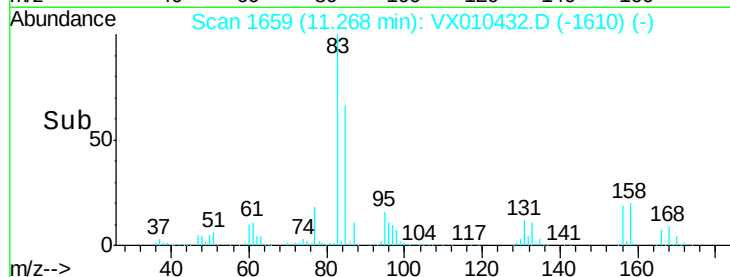
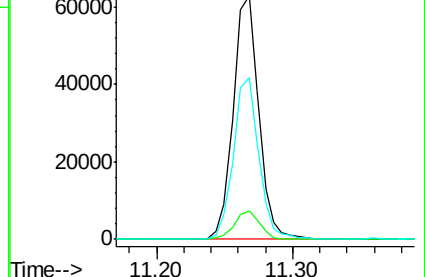
MMDadoda
7/1/2019 4:59:07 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 20.852 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX010432.D

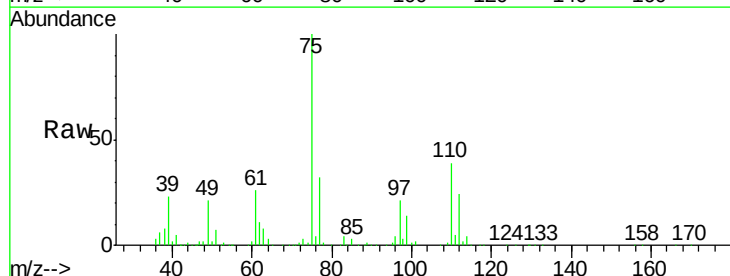
Acq: 25 Jun 2019 12:46

Tgt Ion: 75 Resp: 69751

Ion Ratio Lower Upper

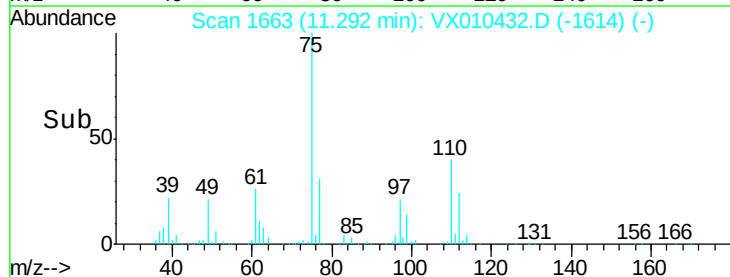
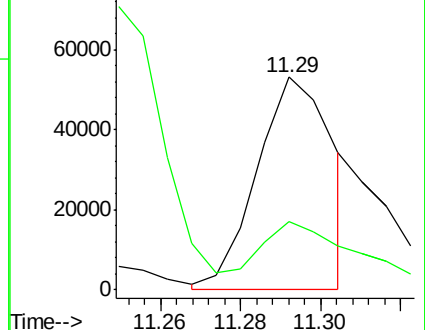
75 100

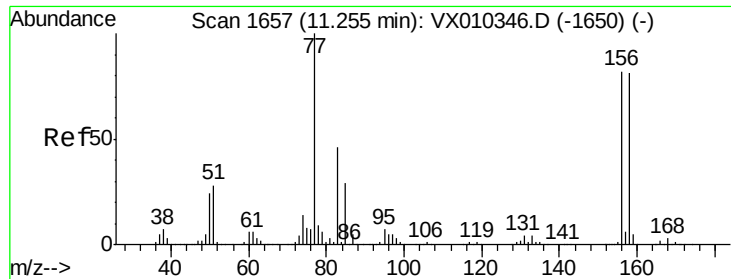
77 42.6 22.6 67.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.385 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

Instrument :

MSVOA_X

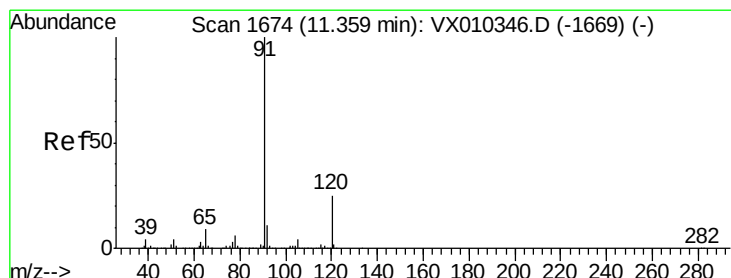
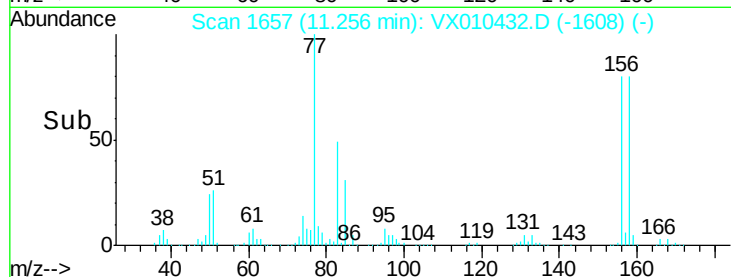
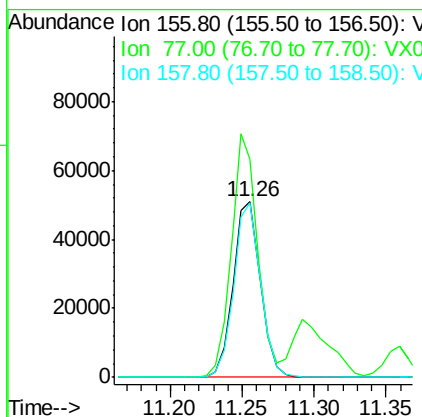
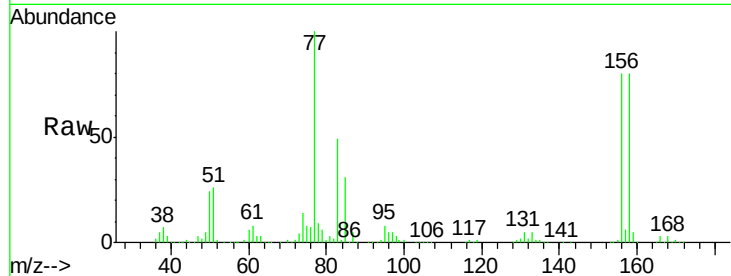
ClientSampleId :

VX0625WBSD01

Tot Ion:	156	Resp:	67357
Ion Ratio	Lower	Upper	
156	100		
77	133.8	66.3	198.7
158	97.6	48.9	146.7

Manual Integrations
APPROVED

MMDadoda
7/1/2019 4:59:07 PM



#78

n-propylbenzene

Concen: 19.732 ug/l

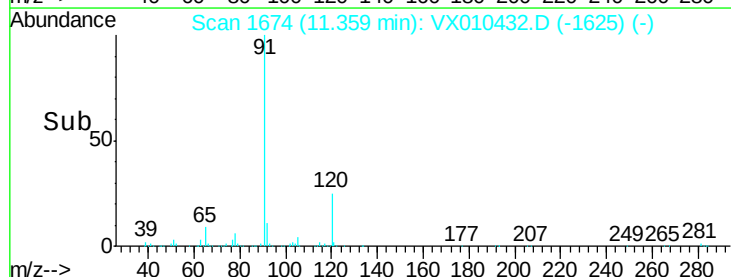
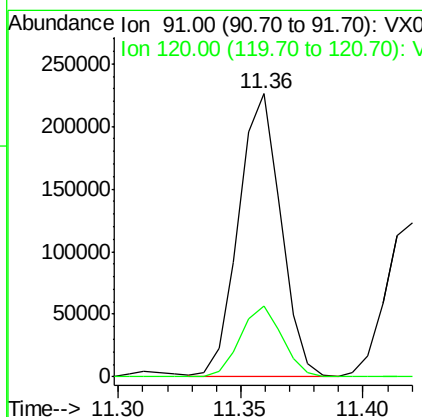
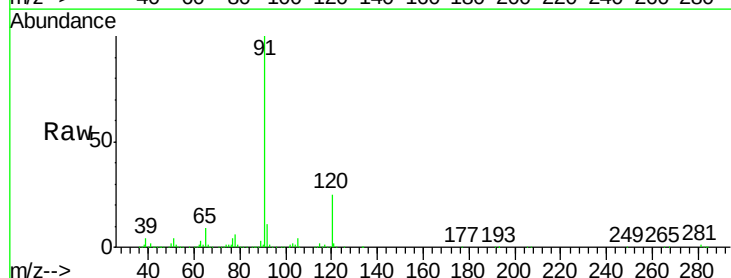
RT: 11.36 min Scan# 1674

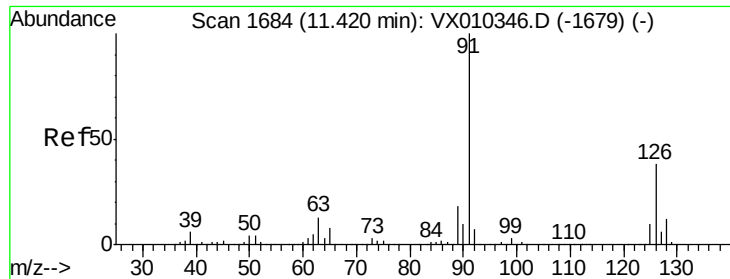
Delta R.T. 0.00 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

Tgt Ion:	91	Resp:	269862
Ion Ratio	Lower	Upper	
91	100		
120	25.1	12.4	37.4





#79

2-Chlorotoluene

Concen: 19.567 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

Instrument :

MSVOA_X

ClientSampleId :

VX0625WBSD01

Tot Ion: 91 Resp: 159355

Ion Ratio Lower Upper

91 100

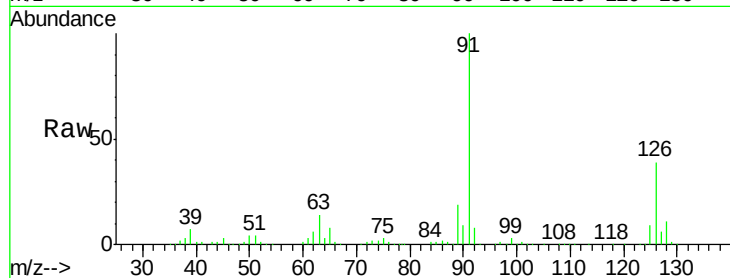
126 38.1 18.7 56.1

Manual Integrations

APPROVED

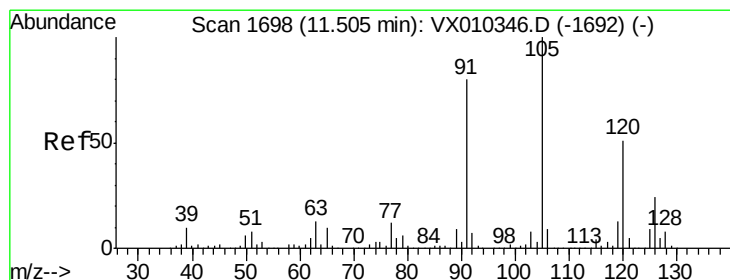
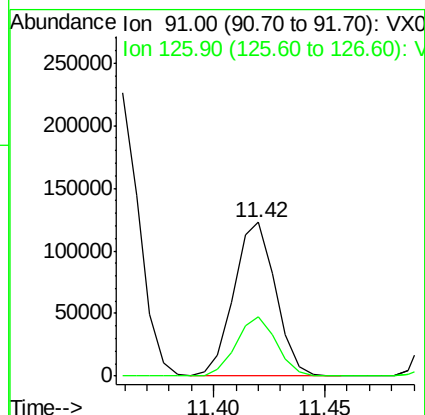
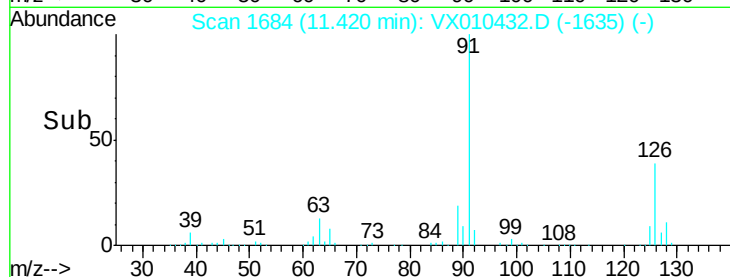
MMDadoda

7/1/2019 4:59:07 PM



Abundance Ion 91.00 (90.70 to 91.70): VX010346.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX010346.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.923 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010432.D

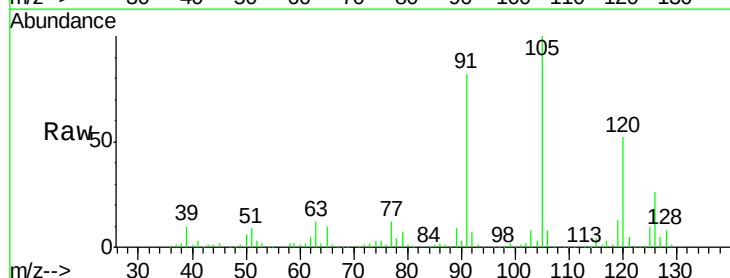
Acq: 25 Jun 2019 12:46

Tgt Ion: 105 Resp: 204374

Ion Ratio Lower Upper

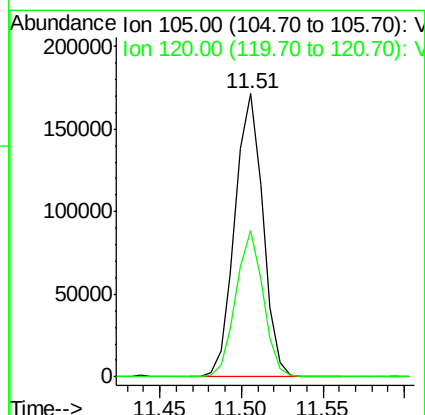
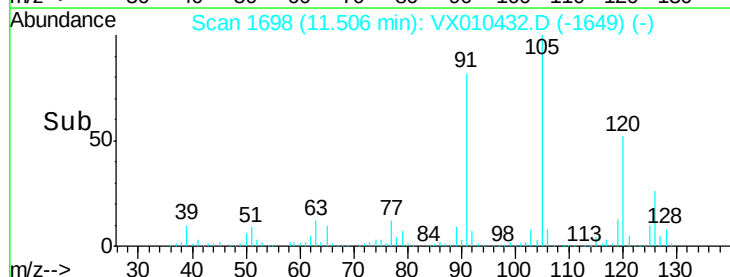
105 100

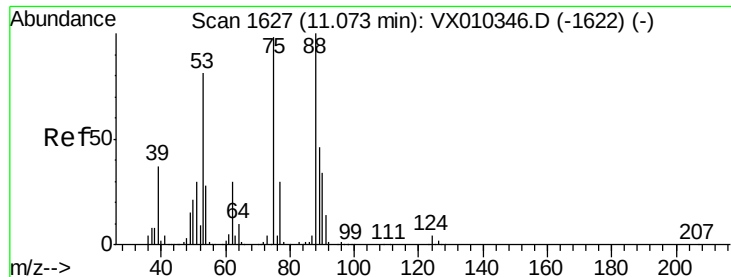
120 50.3 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VX010346.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX010346.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.886 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

Instrument :

MSVOA_X

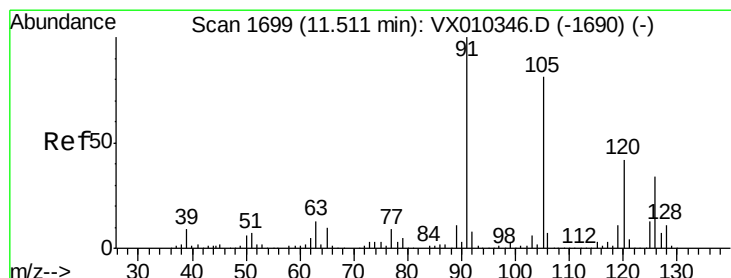
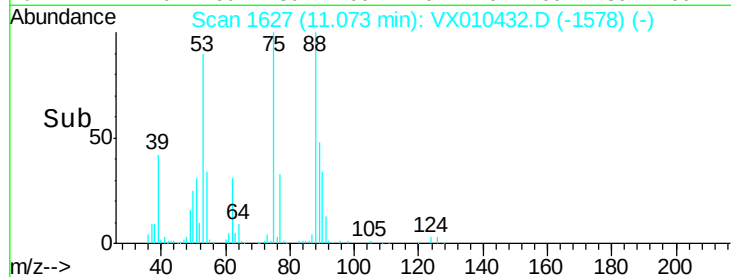
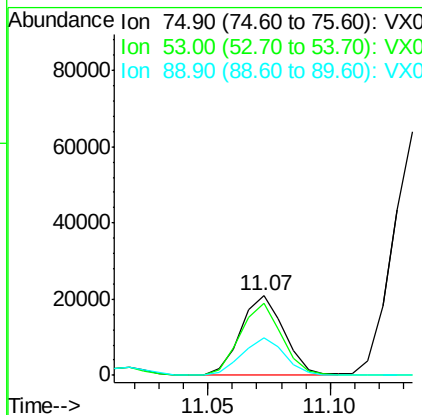
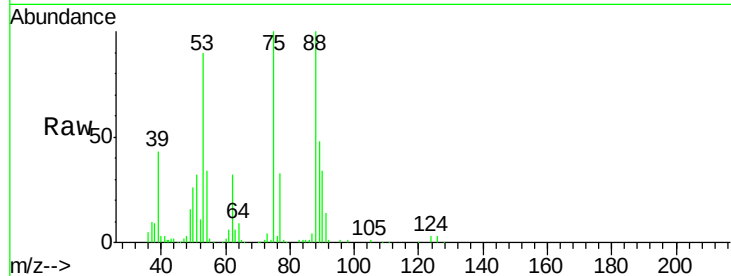
ClientSampleId :

VX0625WBSD01

Tot Ion:	75	Resp:	25647
Ion	Ratio	Lower	Upper
75	100		
53	88.8	66.1	99.1
89	46.8	37.8	56.6

Manual Integrations
APPROVED

MMDadoda
7/1/2019 4:59:07 PM



#82

4-Chlorotoluene

Concen: 19.847 ug/l

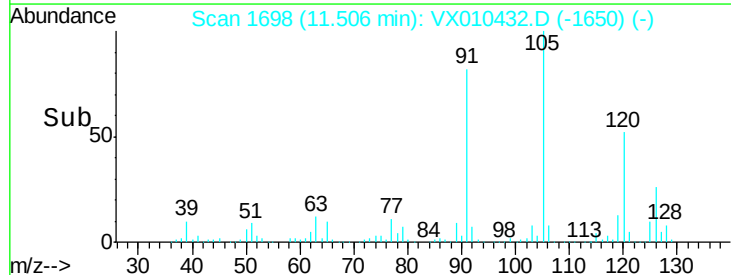
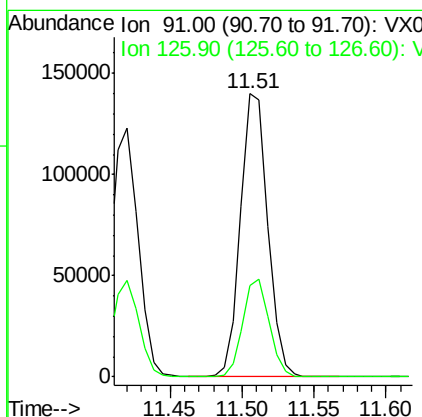
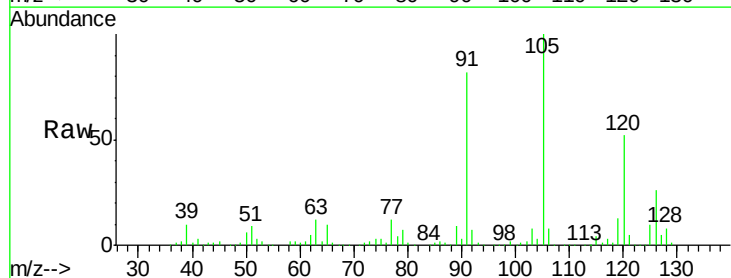
RT: 11.51 min Scan# 1698

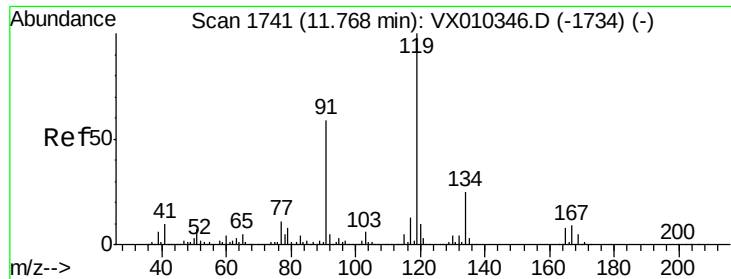
Delta R.T. -0.01 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

Tgt Ion:	91	Resp:	183921
Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.2	48.6





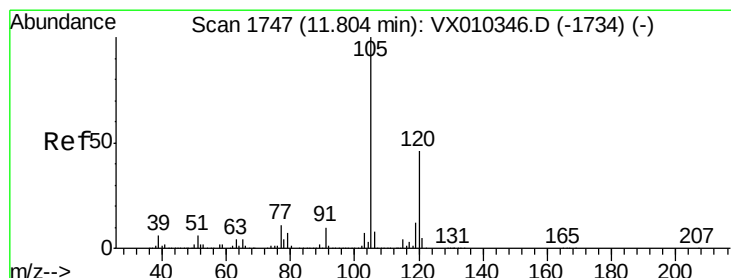
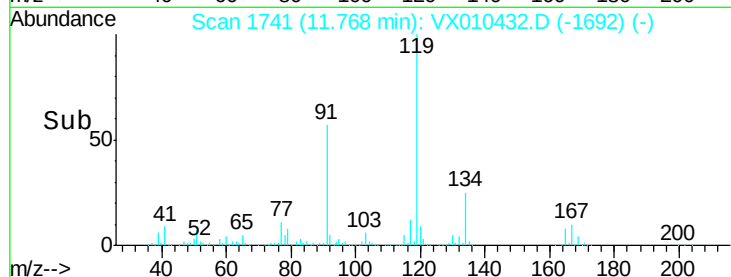
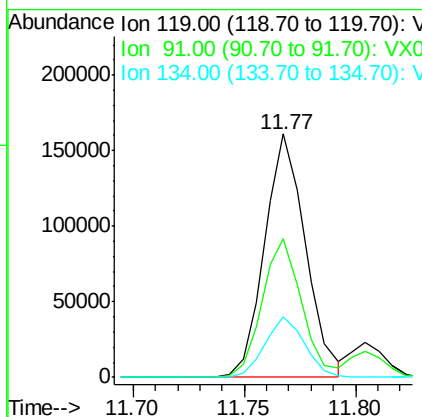
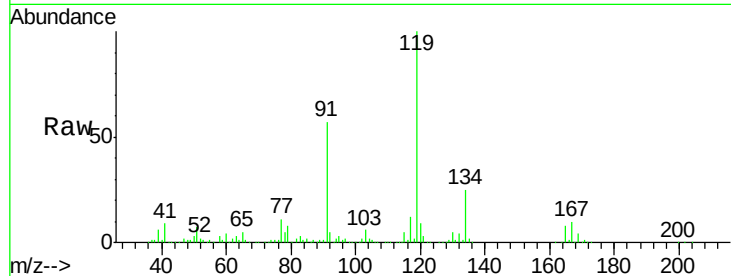
#83
 tert-Butylbenzene
 Concen: 19.954 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX010432.D
 Acq: 25 Jun 2019 12:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0625WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	205453		
91	55.2		27.6	82.7
134	23.8		11.8	35.4

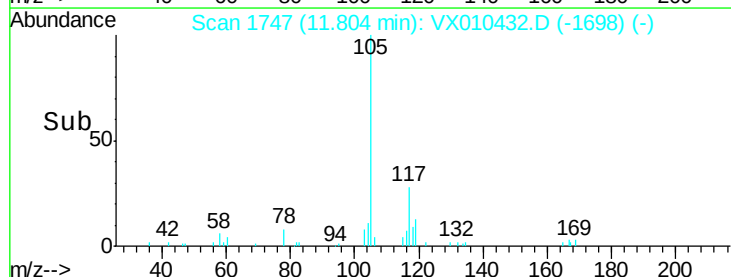
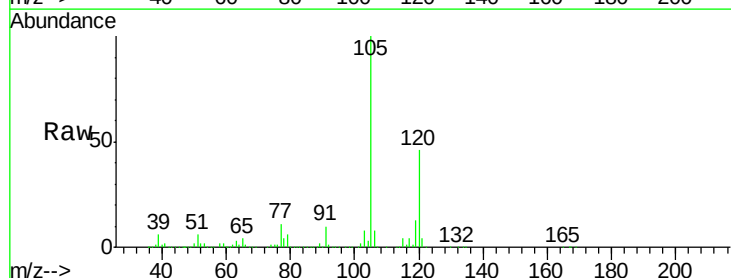
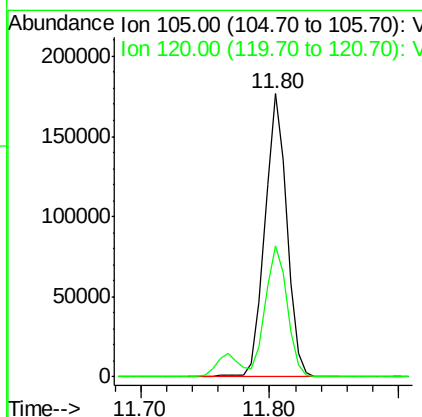
Manual Integrations
 APPROVED

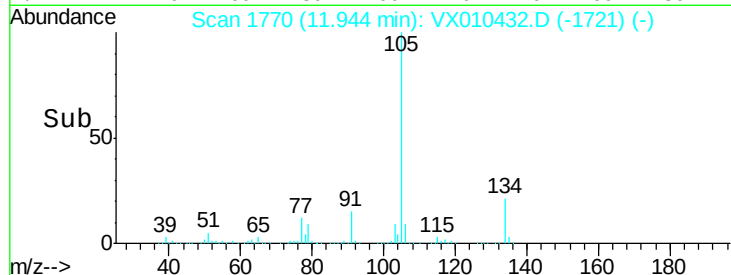
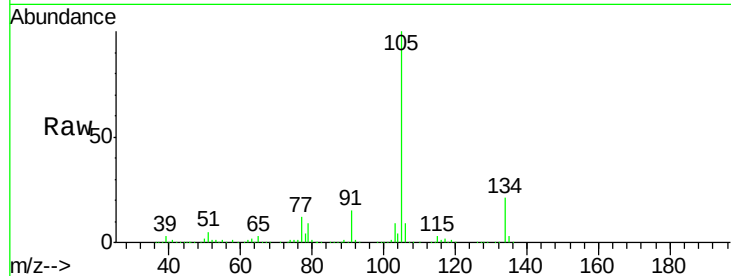
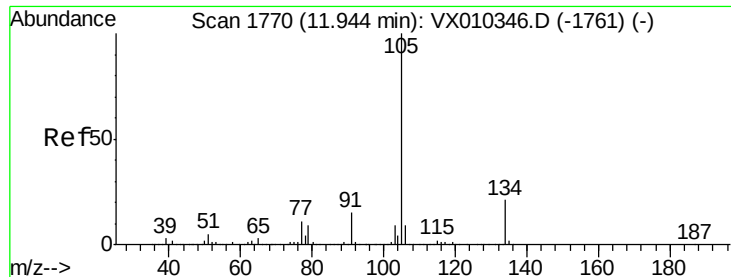
MMDadoda
 7/1/2019 4:59:07 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.203 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010432.D
 Acq: 25 Jun 2019 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	208217		
120	45.7		23.1	69.2





#85

sec-Butylbenzene

Concen: 19.788 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

Tot Ion:105 Resp: 239225

Ion Ratio Lower Upper

105 100

134 21.0 10.7 31.9

Instrument :

MSVOA_X

ClientSampleId :

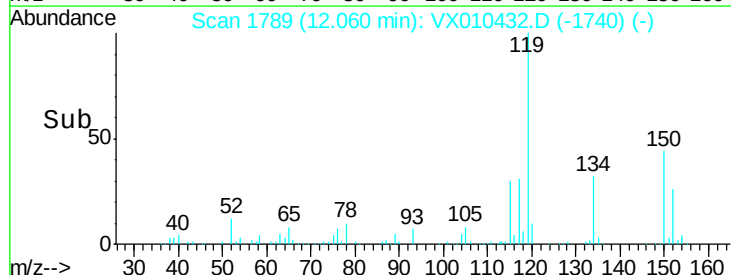
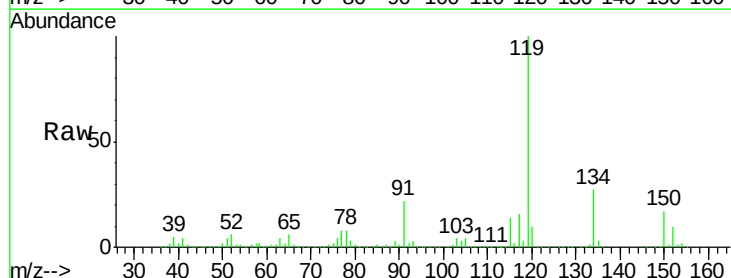
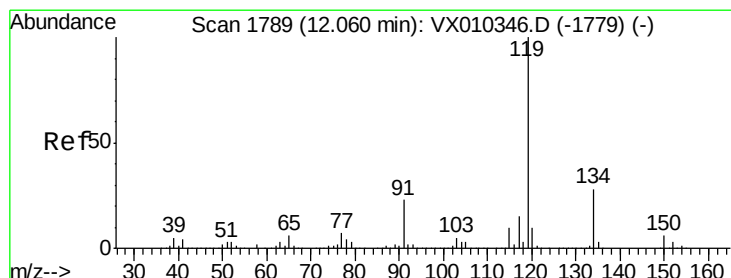
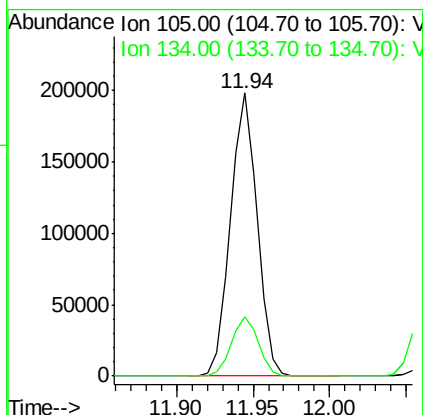
VX0625WBSD01

Manual Integrations

APPROVED

MMDadoda

7/1/2019 4:59:07 PM



#86

p-Isopropyltoluene

Concen: 19.960 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

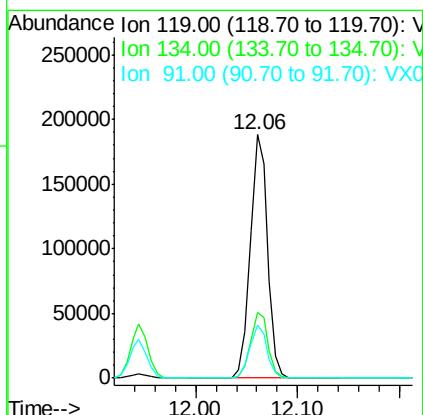
Tgt Ion:119 Resp: 223191

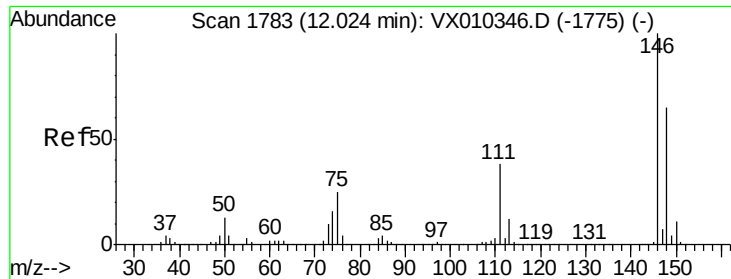
Ion Ratio Lower Upper

119 100

134 27.3 13.7 41.1

91 21.8 11.3 33.8





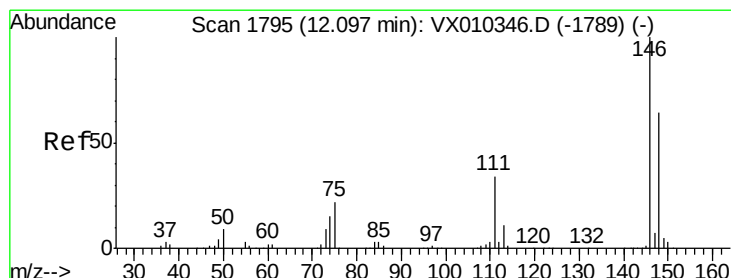
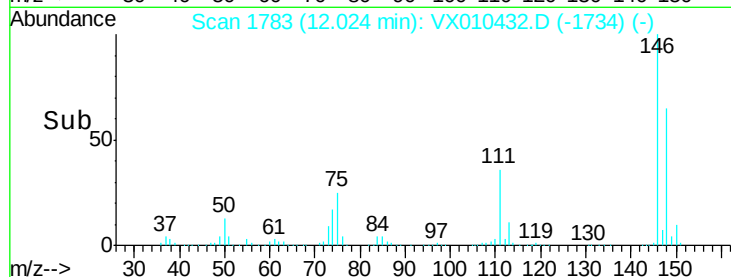
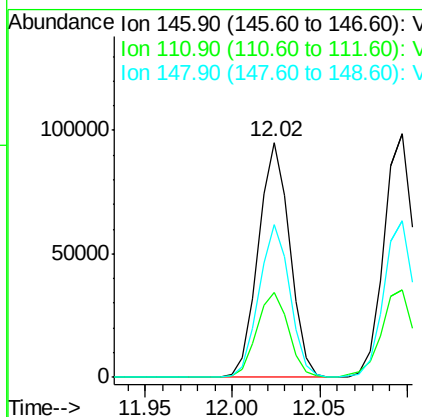
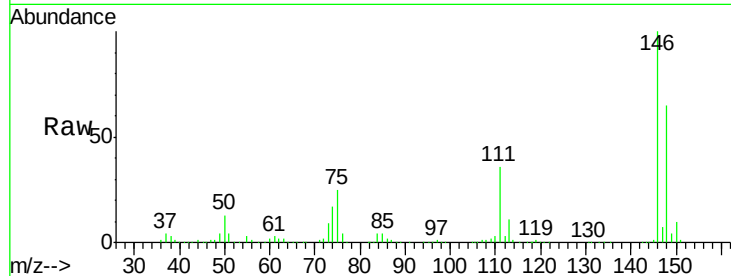
#87
 1,3-Dichlorobenzene
 Concen: 19.634 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010432.D
 Acq: 25 Jun 2019 12:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0625WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	19.1	57.1
148	64.0	32.5	97.4

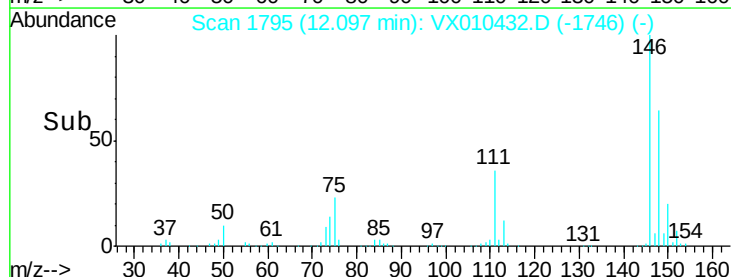
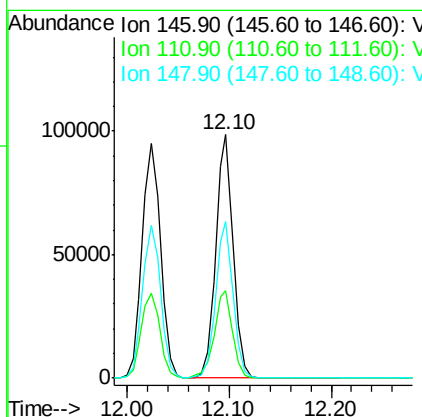
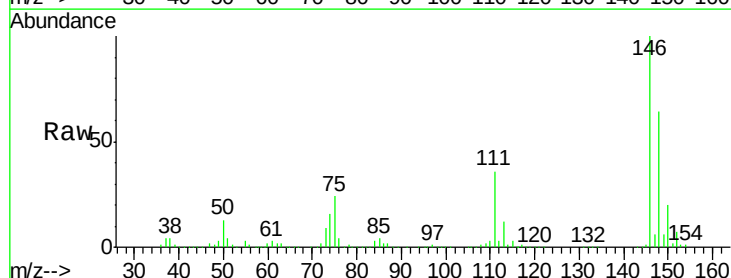
Manual Integrations
 APPROVED

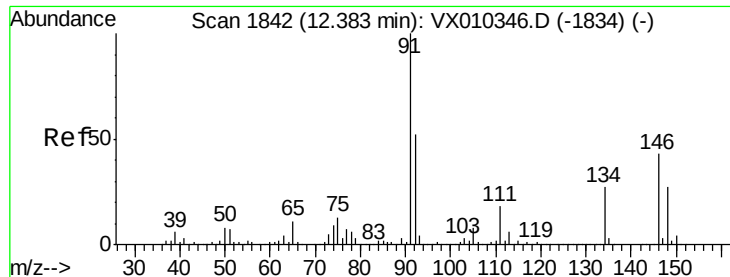
MMDadoda
 7/1/2019 4:59:07 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.271 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010432.D
 Acq: 25 Jun 2019 12:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.1	54.3
148	64.5	32.1	96.3





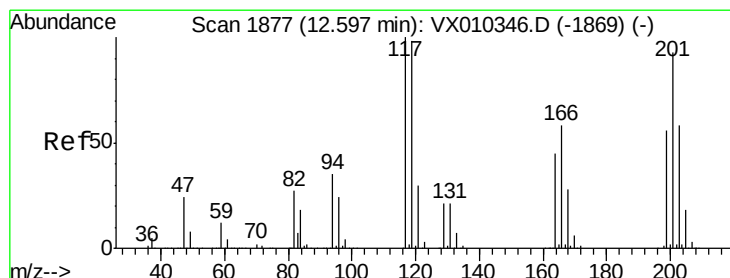
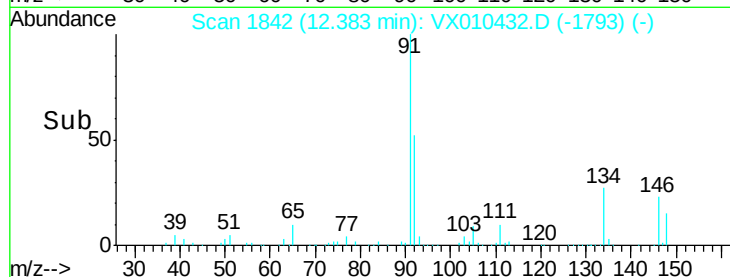
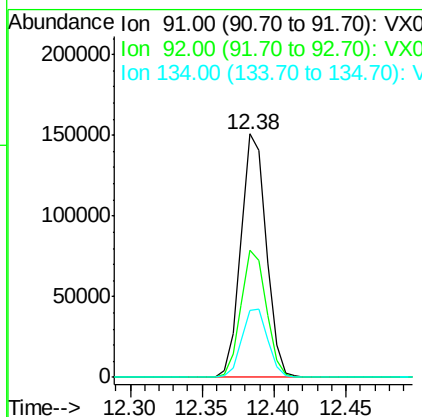
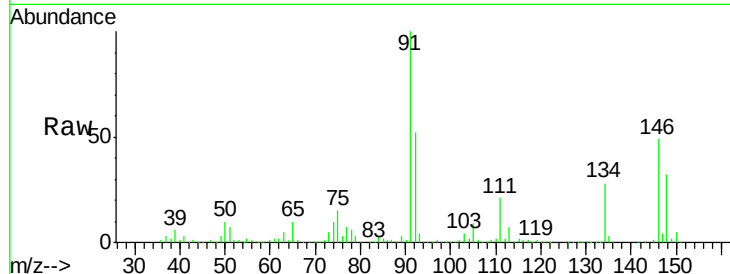
#89
n-Butylbenzene
Concen: 19.461 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010432.D
Acq: 25 Jun 2019 12:46

Instrument :
MSVOA_X
ClientSampleId :
VX0625WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.2	78.5
134	28.9	14.1	42.4

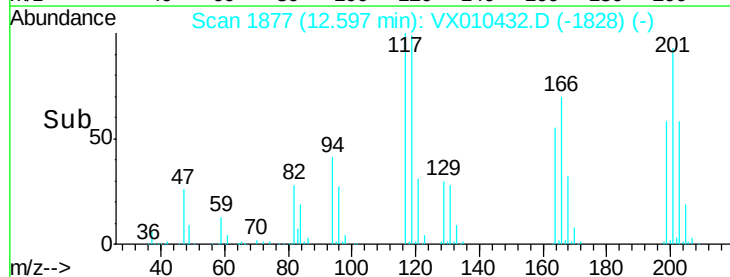
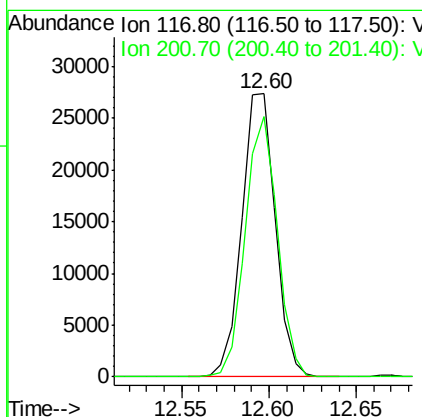
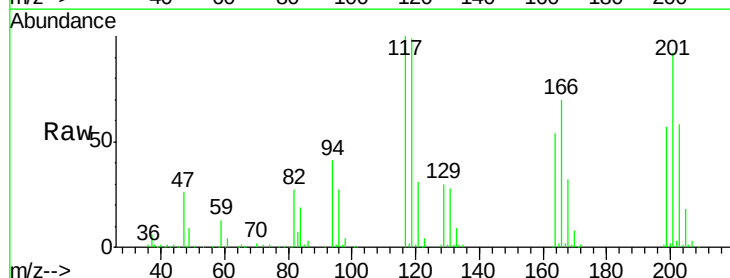
Manual Integrations
APPROVED

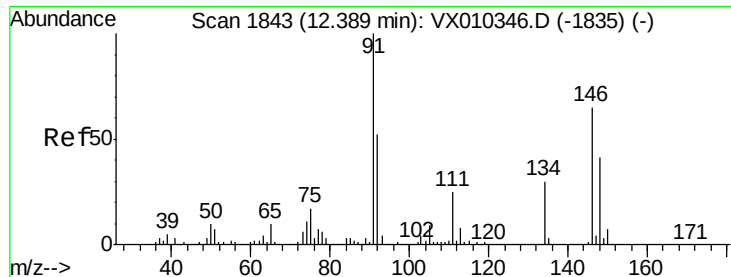
MMDadoda
7/1/2019 4:59:07 PM



#90
Hexachloroethane
Concen: 18.846 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010432.D
Acq: 25 Jun 2019 12:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.2	44.0	131.8





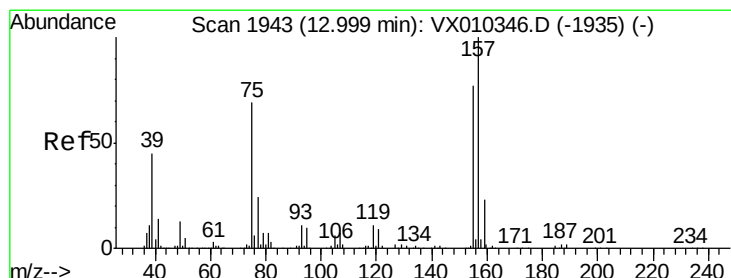
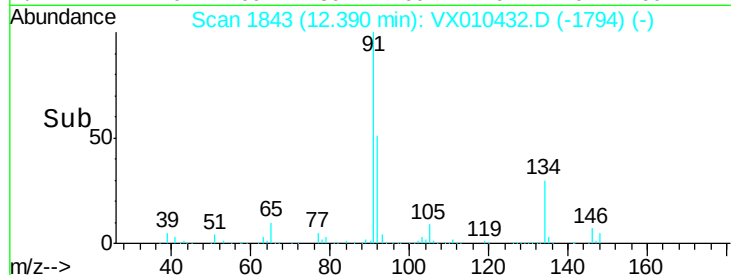
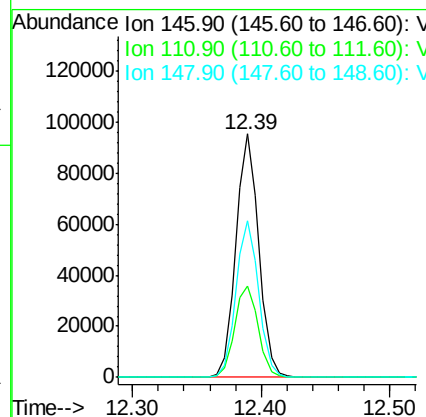
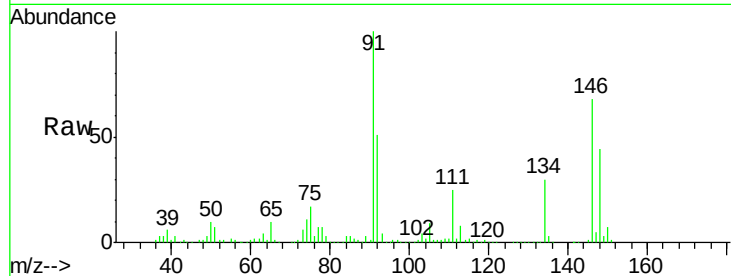
#91
 1,2-Dichlorobenzene
 Concen: 19.631 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010432.D
 Acq: 25 Jun 2019 12:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0625WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	118338		
111	38.6	19.2	57.6	
148	64.2	32.0	96.0	

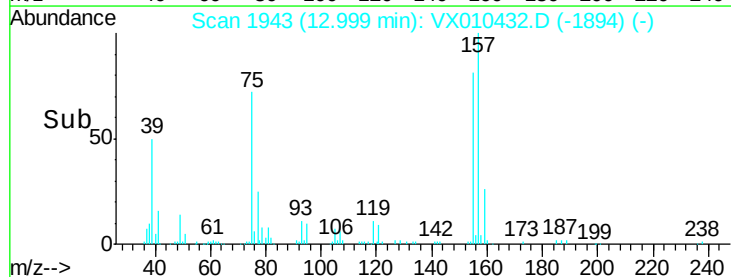
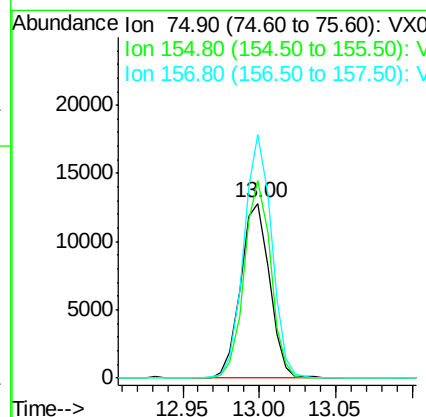
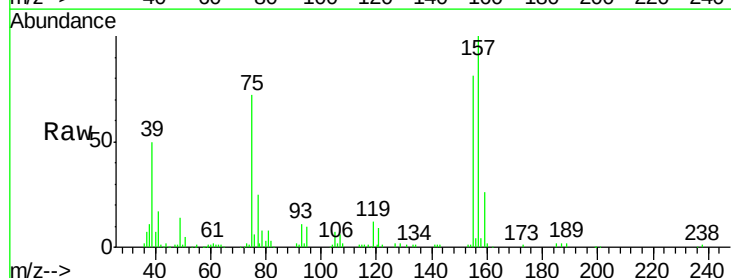
Manual Integrations
 APPROVED

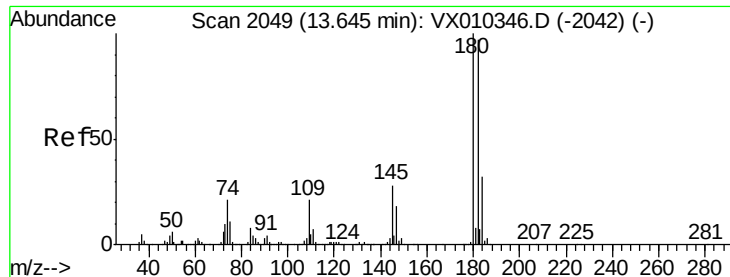
MMDadoda
 7/1/2019 4:59:07 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.970 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010432.D
 Acq: 25 Jun 2019 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	16855		
155	103.3	54.4	163.1	
157	133.3	69.5	208.3	





#93

1,2,4-Trichlorobenzene

Concen: 19.239 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

Instrument :

MSVOA_X

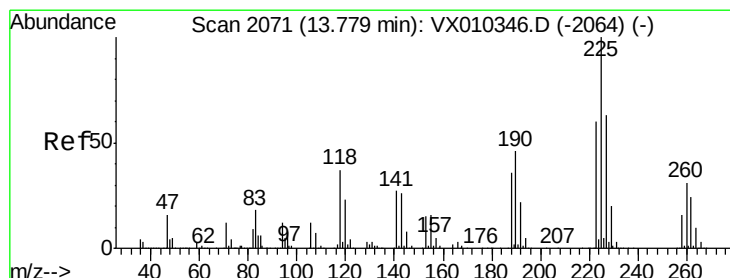
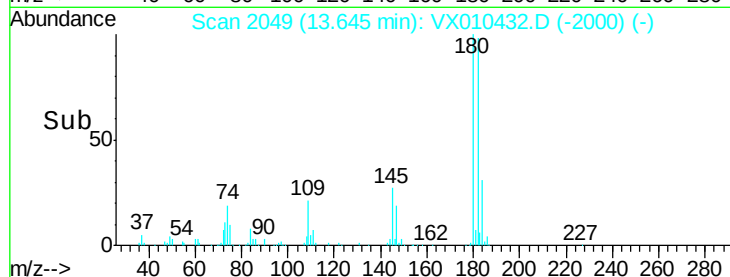
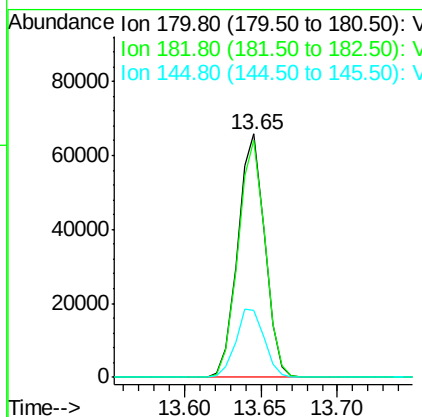
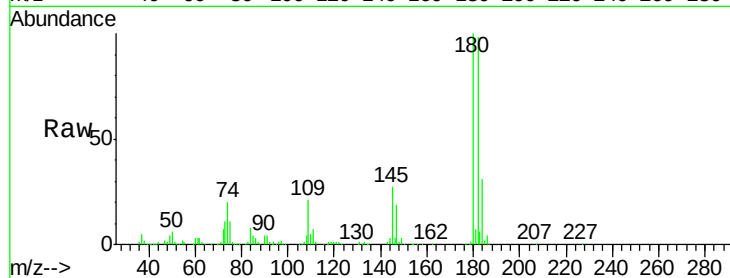
ClientSampleId :

VX0625WBSD01

Tot Ion:	180	Resp:	80428
Ion Ratio	Lower	Upper	
180	100		
182	97.4	48.0	144.0
145	29.6	14.4	43.4

Manual Integrations
APPROVED

MMDadoda
7/1/2019 4:59:07 PM



#94

Hexachlorobutadiene

Concen: 19.481 ug/l

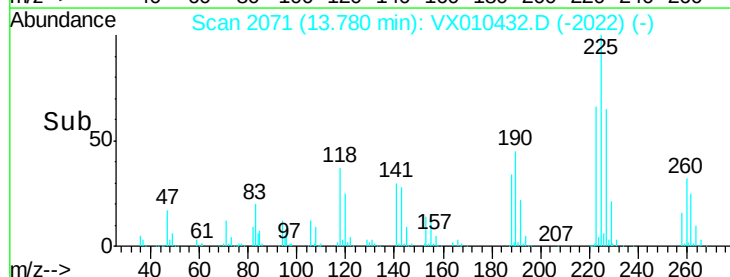
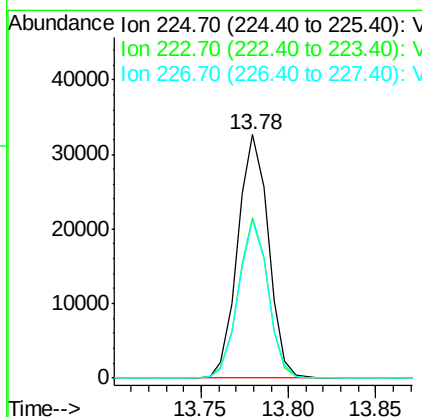
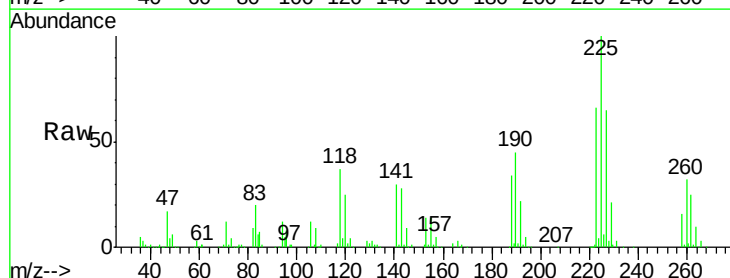
RT: 13.78 min Scan# 2071

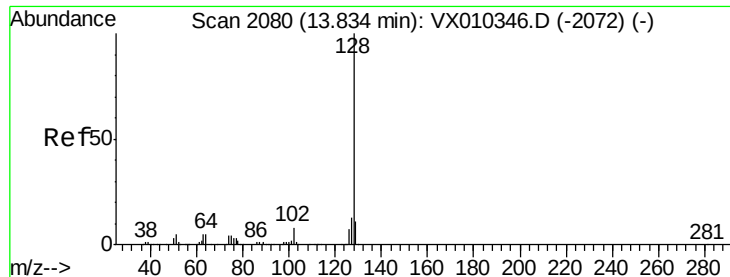
Delta R.T. 0.00 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

Tgt Ion:	225	Resp:	39802
Ion Ratio	Lower	Upper	
225	100		
223	63.1	30.9	92.7
227	62.4	31.9	95.5





#95

Naphthalene

Concen: 19.770 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

Instrument :

MSVOA_X

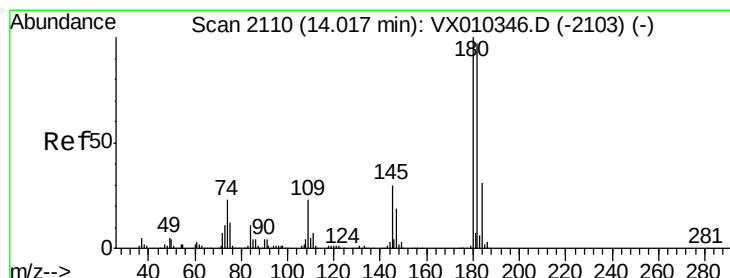
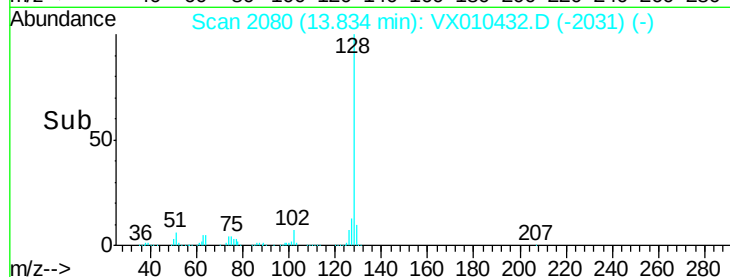
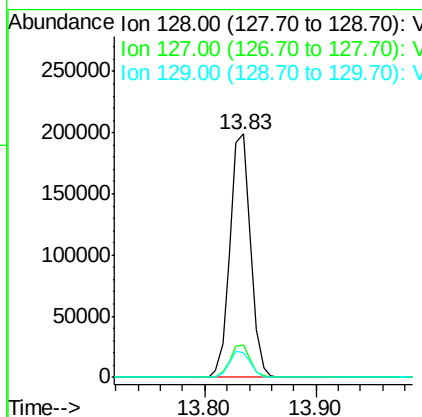
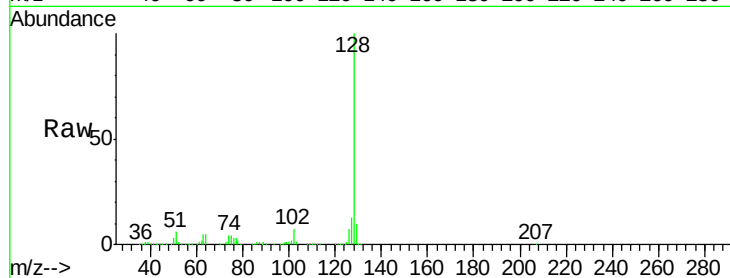
ClientSampleId :

VX0625WBSD01

Tot Ion:	128	Resp:	253978
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.4
129	10.7	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/1/2019 4:59:07 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.226 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010432.D

Acq: 25 Jun 2019 12:46

Tgt Ion:	180	Resp:	84065
Ion Ratio	Lower	Upper	
180	100		
182	94.2	47.8	143.3
145	29.5	15.2	45.6

