

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061419\
 Data File : VX010296.D
 Acq On : 14 Jun 2019 13:32
 Operator : JC/SP
 Sample : VX0614MBS02
 Misc : 5.0µ/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614MBS02

Manual Integrations
 APPROVED

MMDadoda
 6/17/2019 10:36:07 AM

Quant Time: Jun 15 01:39:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	367715	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	544752	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	483368	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	254629	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	175225	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
35) Dibromofluoromethane	5.50	113	172214	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
50) Toluene-d8	8.71	98	640270	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
62) 4-Bromofluorobenzene	11.13	95	232659	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	68225	20.164	ug/l	97
3) Chloromethane	1.33	50	58578	17.433	ug/l	96
4) Vinyl Chloride	1.41	62	59629	18.881	ug/l	99
5) Bromomethane	1.64	94	28687	24.072	ug/l	95
6) Chloroethane	1.72	64	33945	21.319	ug/l	97
7) Trichlorofluoromethane	1.93	101	96876	20.651	ug/l	98
8) Diethyl Ether	2.19	74	32772	20.269	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	2.38	101	59260	18.326	ug/l	92
10) Methyl Iodide	2.51	142	80455	16.058	ug/l	96
11) Tert butyl alcohol	3.05	59	83939	95.463	ug/l	99
12) 1,1-Dichloroethene	2.37	96	58901	17.833	ug/l #	80
13) Acrolein	2.30	56	8435	52.611	ug/l	97
14) Allyl chloride	2.73	41	85542	17.158	ug/l #	88
15) Acrylonitrile	3.14	53	166502	92.643	ug/l	98
16) Acetone	2.45	43	164349	97.351	ug/l #	85
17) Carbon Disulfide	2.57	76	141162	14.791	ug/l	99
18) Methyl Acetate	2.78	43	71887	19.362	ug/l #	83
19) Methyl tert-butyl Ether	3.20	73	193136	18.201	ug/l	93
20) Methylene Chloride	2.85	84	67412	18.182	ug/l #	78
21) trans-1,2-Dichloroethene	3.17	96	61521	16.831	ug/l #	80
22) Diisopropyl ether	3.86	45	176942	18.563	ug/l #	83
23) Vinyl Acetate	3.82	43	774250	91.048	ug/l #	87
24) 1,1-Dichloroethane	3.70	63	104208	18.006	ug/l	96
25) 2-Butanone	4.67	43	240968	95.855	ug/l #	84
26) 2,2-Dichloropropane	4.59	77	91283	17.289	ug/l	91
27) cis-1,2-Dichloroethene	4.60	96	72940	17.938	ug/l	80
28) Bromochloromethane	5.01	49	44438	17.132	ug/l #	50
29) Tetrahydrofuran	5.13	42	142665	90.302	ug/l #	74
30) Chloroform	5.21	83	106398	17.702	ug/l	98
31) Cyclohexane	5.58	56	91675	17.551	ug/l #	80
32) 1,1,1-Trichloroethane	5.50	97	97456	17.247	ug/l	94
36) 1,1-Dichloropropene	5.80	75	78896	17.752	ug/l	93
37) Ethyl Acetate	4.84	43	84329	18.236	ug/l #	91
38) Carbon Tetrachloride	5.78	117	85717	17.040	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061419\
 Data File : VX010296.D
 Acq On : 14 Jun 2019 13:32
 Operator : JC/SP
 Sample : VX0614MBS02
 Misc : 5.0µL/10mL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0614MBS02

Manual Integrations
 APPROVED

MMDadoda
 6/17/2019 10:36:07 AM

Quant Time: Jun 15 01:39:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	103241	17.059	ug/l #	86
40) Benzene	6.14	78	246210	17.916	ug/l	99
41) Methacrylonitrile	5.04	41	44908	17.953	ug/l #	81
42) 1,2-Dichloroethane	6.20	62	78129	17.808	ug/l	93
43) Isopropyl Acetate	6.45	43	136190	17.615	ug/l #	88
44) Trichloroethene	7.21	130	74495	17.983	ug/l	87
45) 1,2-Dichloropropane	7.51	63	62939	18.298	ug/l	100
46) Dibromomethane	7.66	93	44136	17.127	ug/l	89
47) Bromodichloromethane	7.90	83	82661	17.166	ug/l	99
48) Methyl methacrylate	7.77	41	66172	18.300	ug/l #	78
49) 1,4-Dioxane	7.74	88	35381	343.196	ug/l #	82
51) 4-Methyl-2-Pentanone	8.64	43	446815	96.737	ug/l	91
52) Toluene	8.79	92	163889	18.142	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	93215	16.736	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	100830	16.887	ug/l #	87
55) 1,1,2-Trichloroethane	9.21	97	68375	18.481	ug/l	96
56) Ethyl methacrylate	9.18	69	104246	17.837	ug/l #	83
57) 1,3-Dichloropropane	9.37	76	104713	17.978	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	210474	76.394	ug/l #	86
59) 2-Hexanone	9.49	43	354444	96.246	ug/l	87
60) Dibromochloromethane	9.58	129	74361	16.992	ug/l	100
61) 1,2-Dibromoethane	9.67	107	72995	17.715	ug/l	99
64) Tetrachloroethene	9.34	164	70419	19.615	ug/l	97
65) Chlorobenzene	10.13	112	184626	18.506	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	68123	17.756	ug/l	98
67) Ethyl Benzene	10.25	91	312239	18.385	ug/l	95
68) m/p-Xylenes	10.36	106	242866	36.955	ug/l	90
69) o-Xylene	10.69	106	120337	18.420	ug/l	88
70) Styrene	10.71	104	203312	18.375	ug/l	95
71) Bromoform	10.85	173	59171	16.777	ug/l #	99
73) Isopropylbenzene	11.02	105	314537	17.696	ug/l	95
74) N-amyl acetate	10.90	43	125652	17.883	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.27	83	105989	17.420	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	86598m	17.003	ug/l	
77) Bromobenzene	11.26	156	87238	17.847	ug/l	80
78) n-propylbenzene	11.36	91	351171	17.746	ug/l	94
79) 2-Chlorotoluene	11.42	91	208009	17.502	ug/l	91
80) 1,3,5-Trimethylbenzene	11.51	105	262615	17.541	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	36271	15.735	ug/l	86
82) 4-Chlorotoluene	11.51	91	238650	17.677	ug/l	92
83) tert-Butylbenzene	11.77	119	267152	17.630	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	267662	17.700	ug/l	97
85) sec-Butylbenzene	11.94	105	314726	17.828	ug/l	96
86) p-Isopropyltoluene	12.06	119	293803	18.205	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	155794	18.095	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	155597	17.928	ug/l	98
89) n-Butylbenzene	12.38	91	256181	18.441	ug/l	97
90) Hexachloroethane	12.60	117	50345	15.660	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	155543	18.583	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	23203	16.206	ug/l	67

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061419\
Data File : VX010296.D
Acq On : 14 Jun 2019 13:32
Operator : JC/SP
Sample : VX0614MBS02
Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0614MBS02

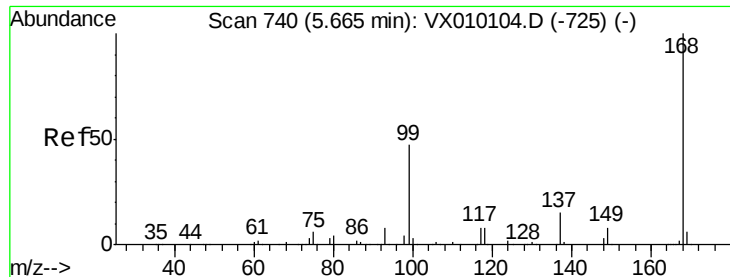
Manual Integrations
APPROVED

MMDadoda
6/17/2019 10:36:07 AM

Quant Time: Jun 15 01:39:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 02:12:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	111689	18.229	ug/l	98
94) Hexachlorobutadiene	13.78	225	52992	19.448	ug/l	98
95) Naphthalene	13.83	128	355362	18.425	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	111566	18.416	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Instrument :

MSVOA_X

ClientSampleId :

VX0614MBS02

Tot Ion:168 Resp: 367715

Ion Ratio Lower Upper

168 100

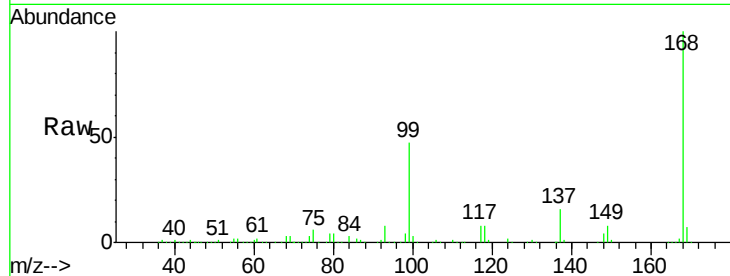
99 46.9 43.0 64.6

Manual Integrations

APPROVED

MMDadoda

6/17/2019 10:36:07 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

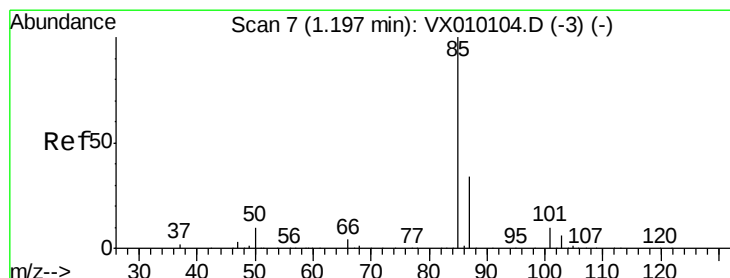
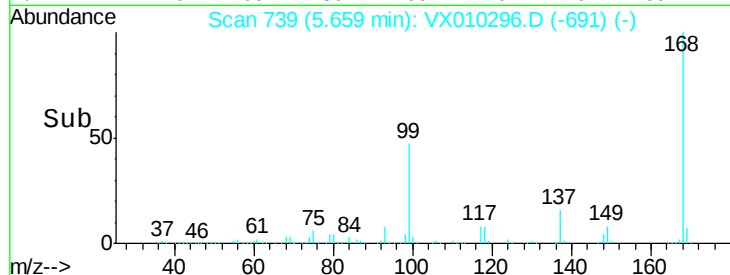
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.164 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX010296.D

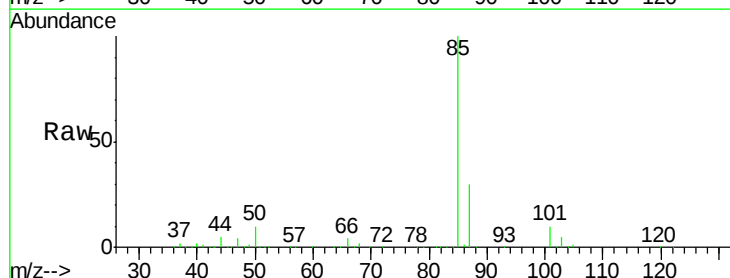
Acq: 14 Jun 2019 13:32

Tgt Ion: 85 Resp: 68225

Ion Ratio Lower Upper

85 100

87 30.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

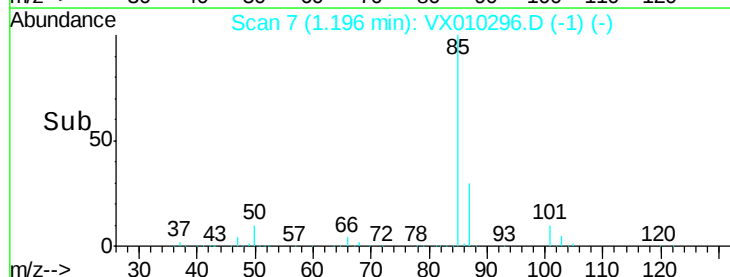
60000

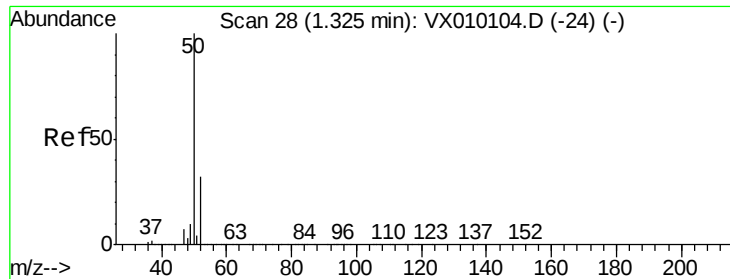
40000

20000

0

Time-->





#3

Chloromethane

Concen: 17.433 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Instrument :

MSVOA_X

ClientSampleId :

VX0614MBS02

Tot Ion: 50 Resp: 58578

Ion Ratio Lower Upper

50 100

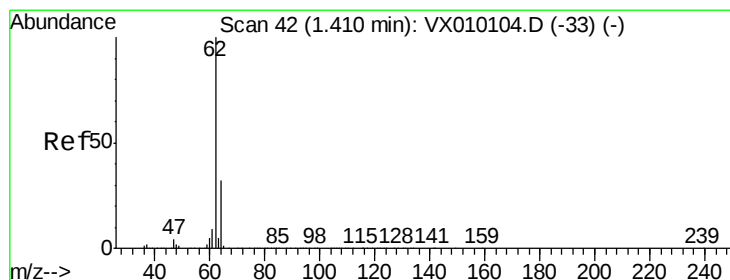
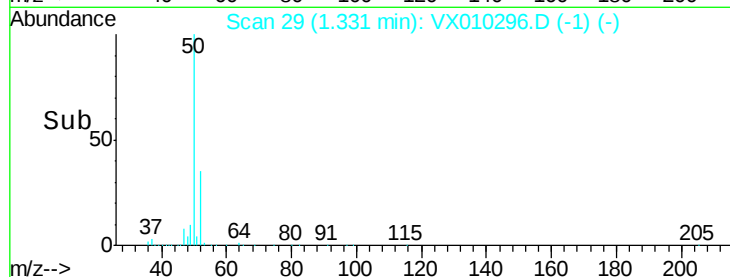
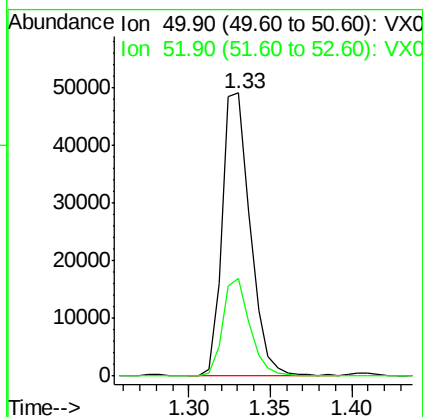
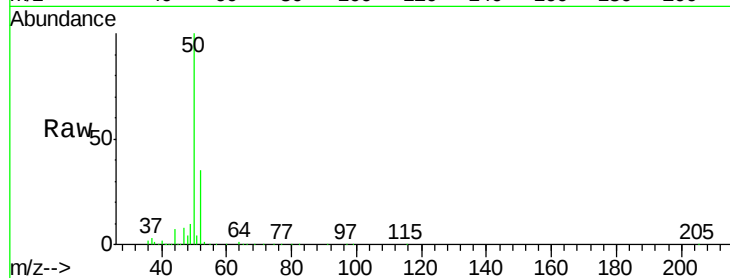
52 34.7 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

6/17/2019 10:36:07 AM



#4

Vinyl Chloride

Concen: 18.881 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010296.D

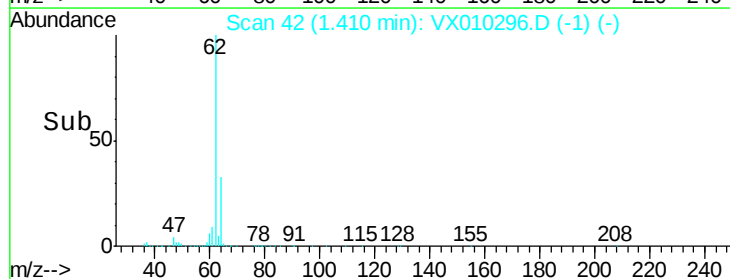
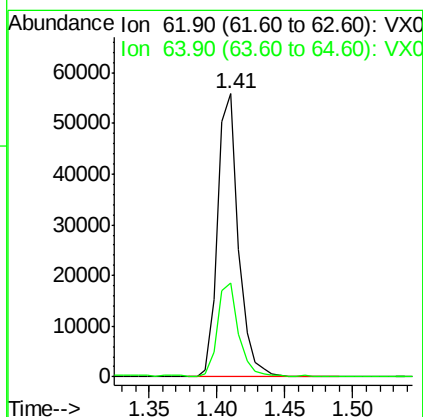
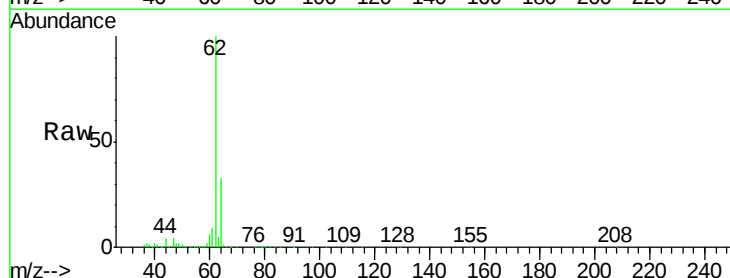
Acq: 14 Jun 2019 13:32

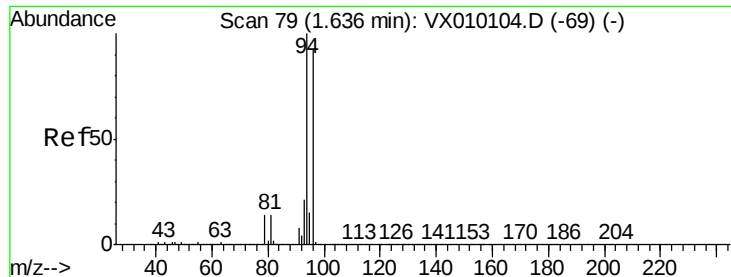
Tgt Ion: 62 Resp: 59629

Ion Ratio Lower Upper

62 100

64 32.9 25.7 38.5





#5

Bromomethane

Concen: 24.072 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Instrument :

MSVOA_X

ClientSampleId :

VX0614MBS02

Tot Ion: 94 Resp: 28687

Ion Ratio Lower Upper

94 100

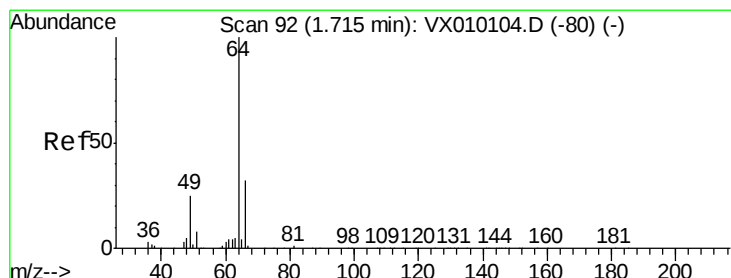
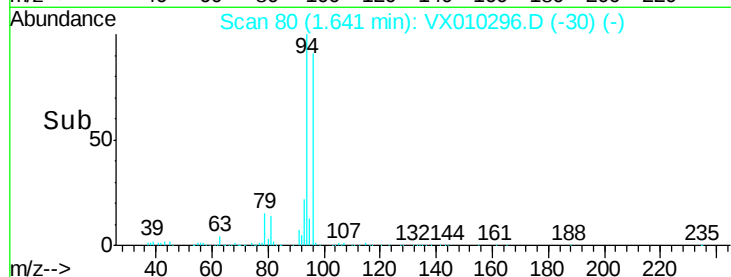
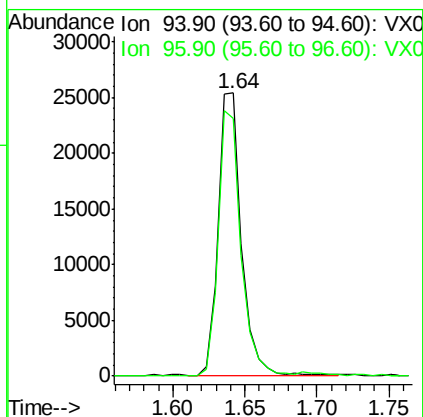
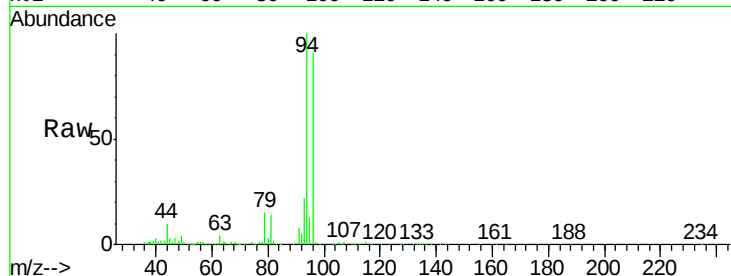
96 90.8 76.2 114.4

Manual Integrations

APPROVED

MMDadoda

6/17/2019 10:36:07 AM



#6

Chloroethane

Concen: 21.319 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010296.D

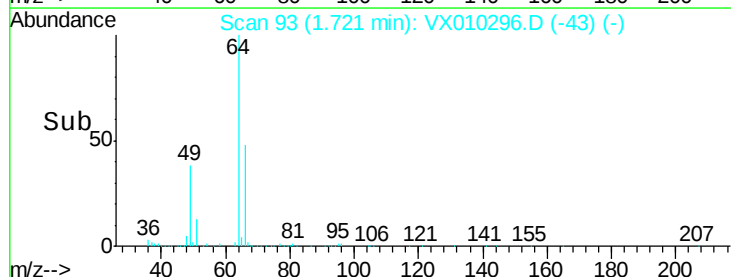
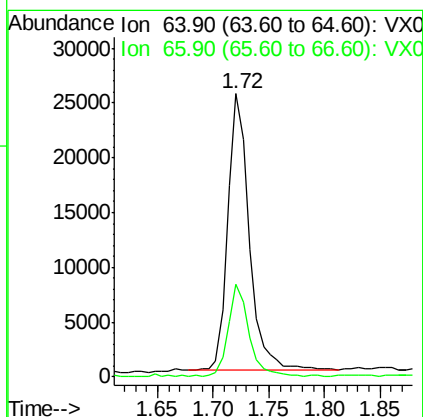
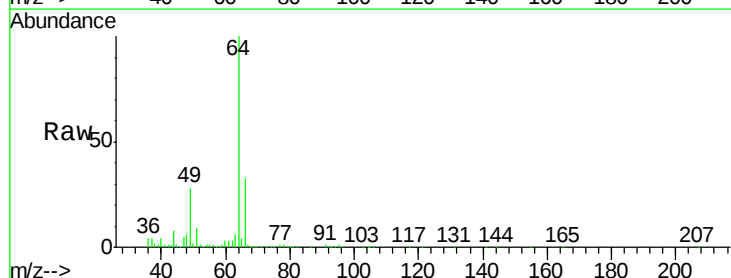
Acq: 14 Jun 2019 13:32

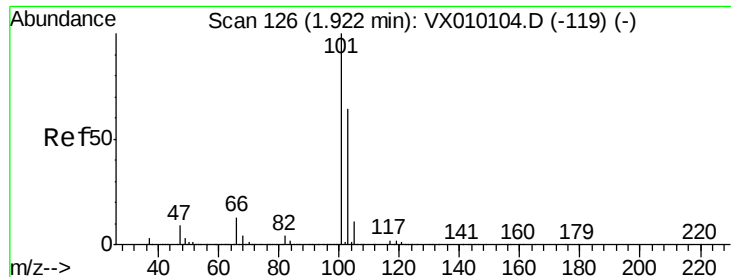
Tgt Ion: 64 Resp: 33945

Ion Ratio Lower Upper

64 100

66 33.0 25.1 37.7





#7

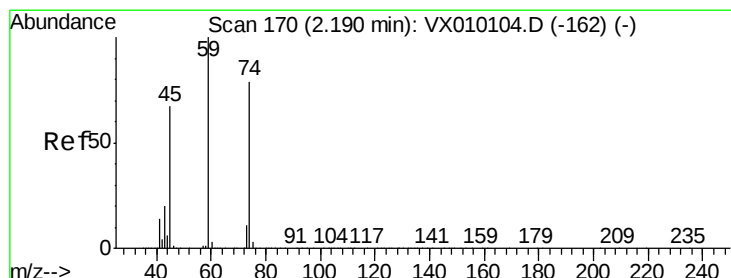
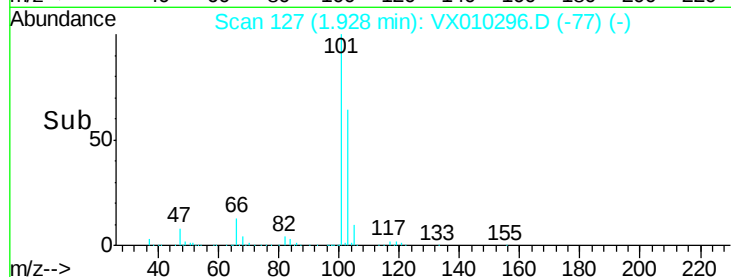
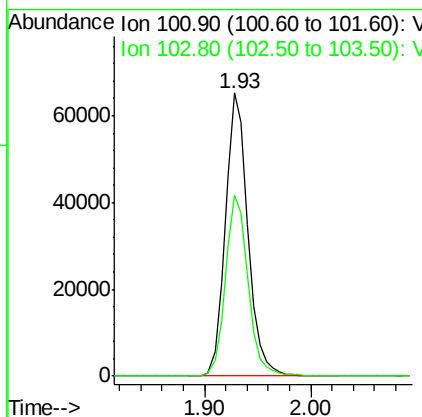
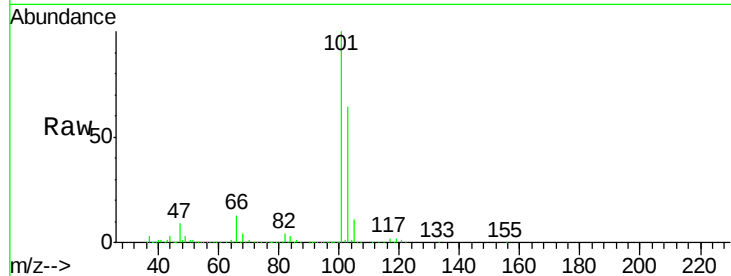
Trichlorofluoromethane
Concen: 20.651 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX010296.D
Acq: 14 Jun 2019 13:32

Instrument :
MSVOA_X
ClientSampleId :
VX0614MBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.2	78.4

Manual Integrations
APPROVED

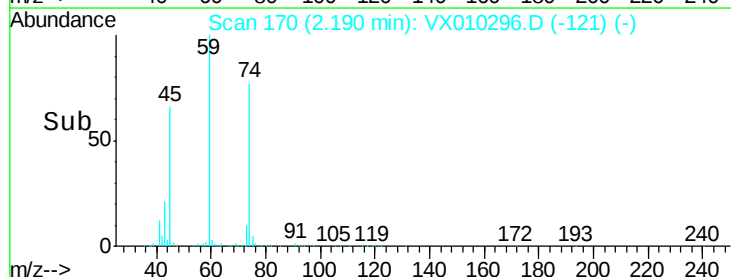
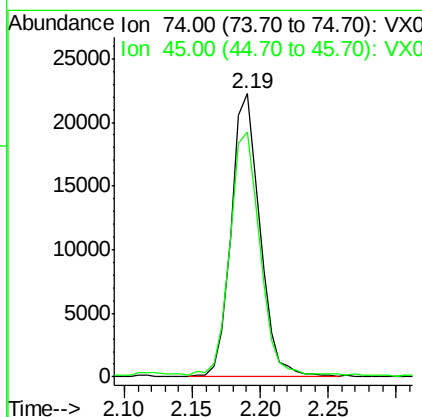
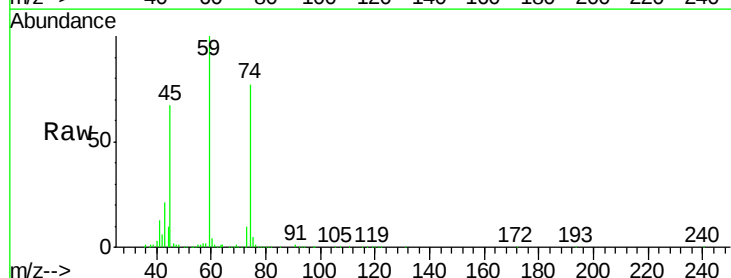
MMDadoda
6/17/2019 10:36:07 AM

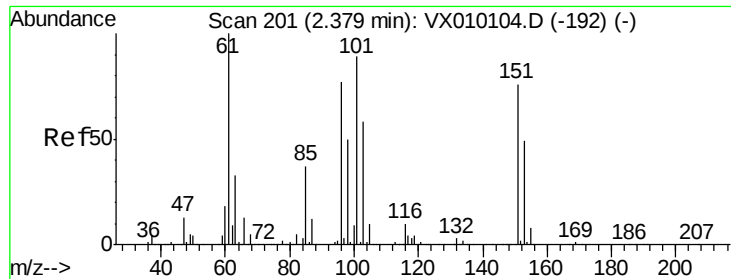


#8

Diethyl Ether
Concen: 20.269 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX010296.D
Acq: 14 Jun 2019 13:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.6	56.1	168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.326 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Instrument :

MSVOA_X

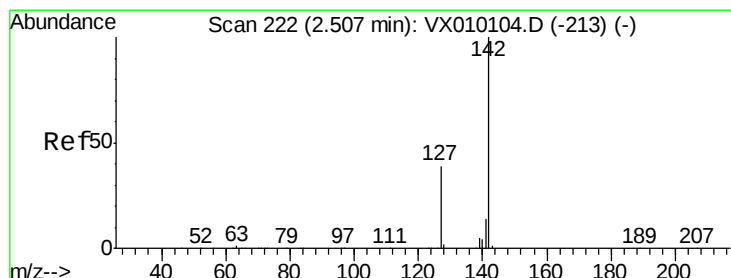
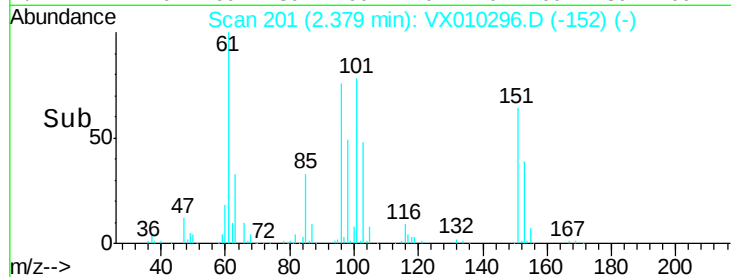
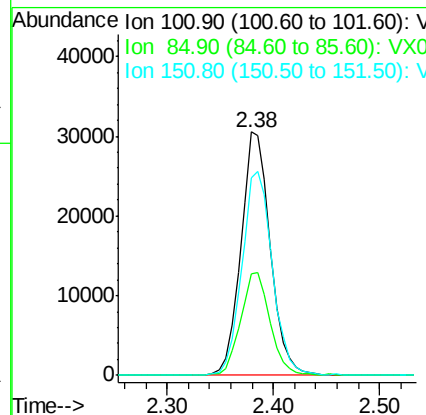
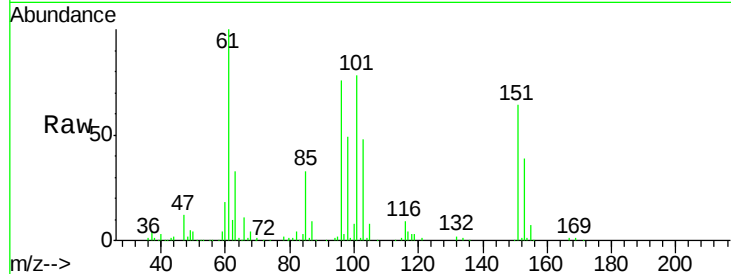
ClientSampleId :

VX0614MBS02

Tot Ion:	101	Resp:	59260
Ion Ratio	Lower	Upper	
101	100		
85	42.6	35.2	52.8
151	86.6	61.9	92.9

Manual Integrations
APPROVED

MMDadoda
6/17/2019 10:36:07 AM



#10

Methyl Iodide

Concen: 16.058 ug/l

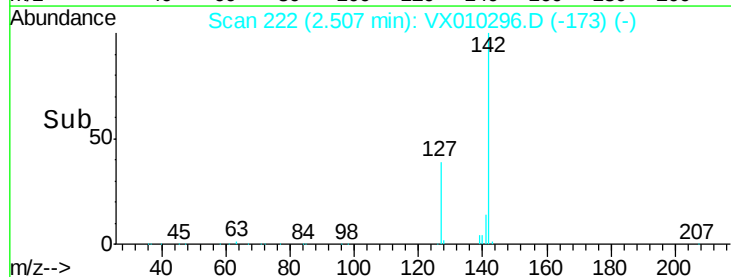
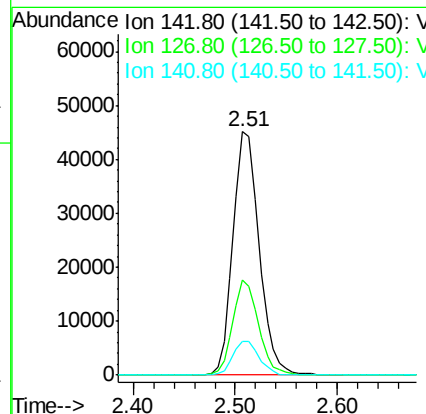
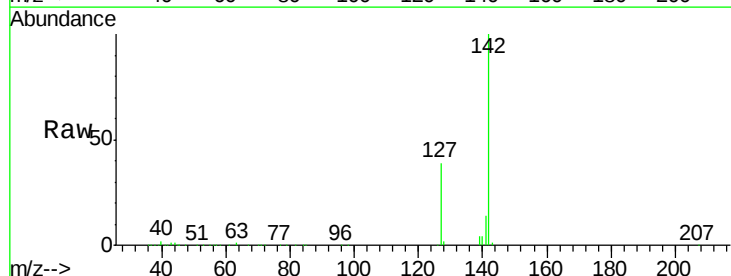
RT: 2.51 min Scan# 222

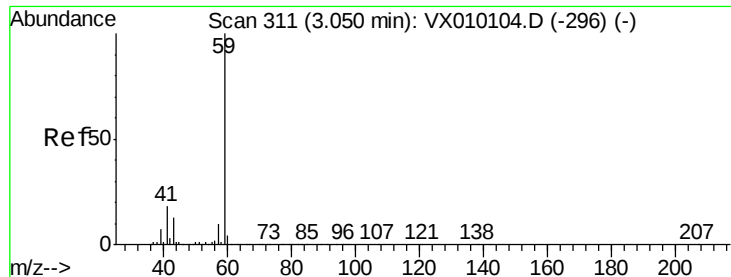
Delta R.T. -0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Tgt Ion:	142	Resp:	80455
Ion Ratio	Lower	Upper	
142	100		
127	38.0	33.0	49.4
141	14.2	11.4	17.0





#11

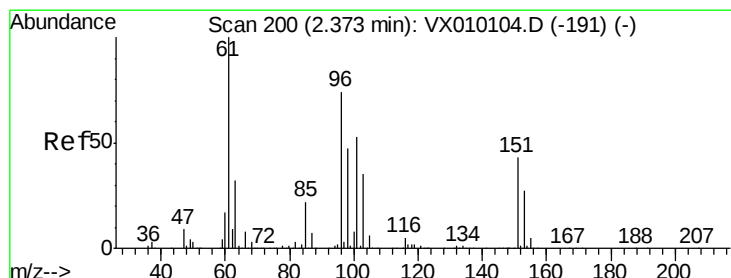
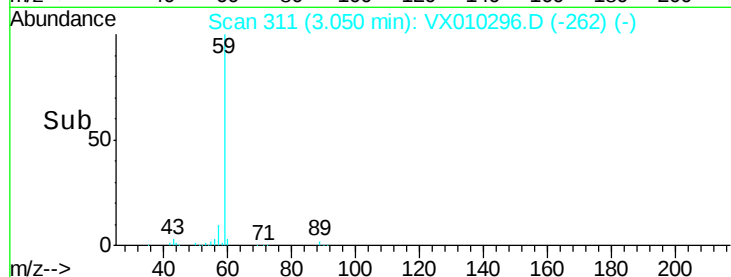
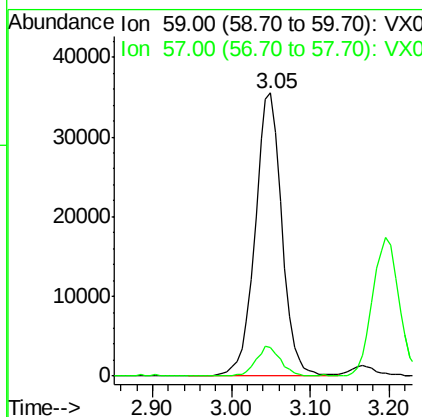
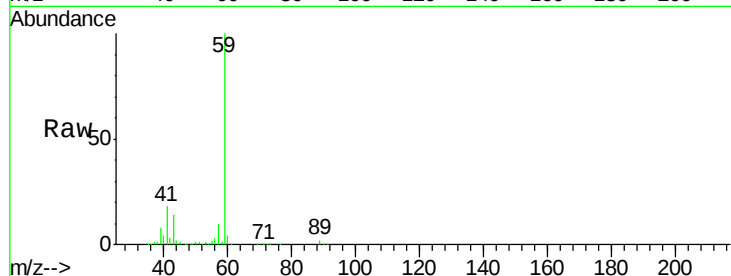
Tert butyl alcohol
Concen: 95.463 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX010296.D
Acq: 14 Jun 2019 13:32

Instrument :
MSVOA_X
ClientSampleId :
VX0614MBS02

Tot Ion	59	Resp	83939
Ion Ratio	100	Lower	Upper
57	9.8	8.2	12.2

Manual Integrations
APPROVED

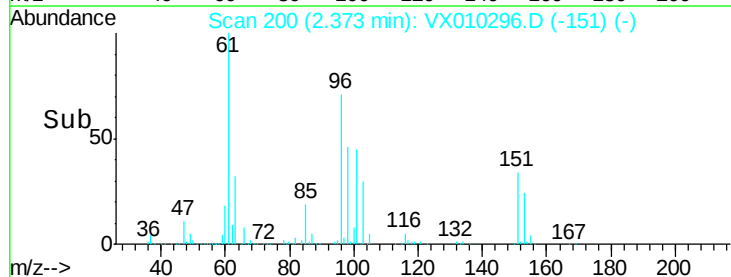
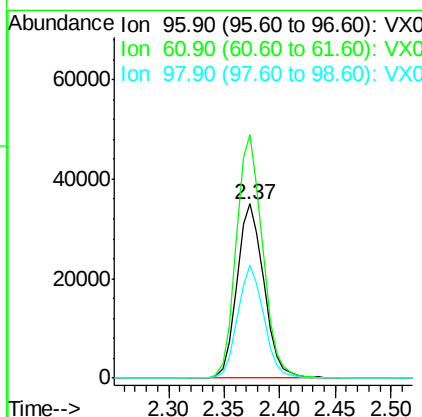
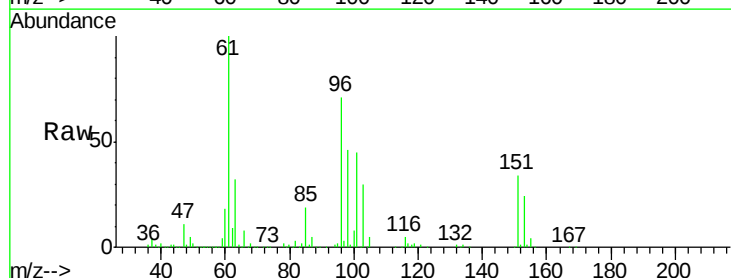
MMDadoda
6/17/2019 10:36:07 AM

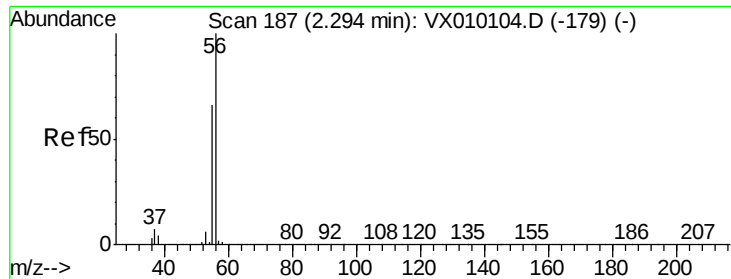


#12

1,1-Dichloroethene
Concen: 17.833 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX010296.D
Acq: 14 Jun 2019 13:32

Tgt Ion	96	Resp	58901
Ion Ratio	100	Lower	Upper
61	139.9	140.7	211.1#
98	64.7	50.1	75.1





#13

Acrolein

Concen: 52.611 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Instrument :

MSVOA_X

ClientSampleId :

VX0614MBS02

Tot Ion: 56 Resp: 8435

Ion Ratio Lower Upper

56 100

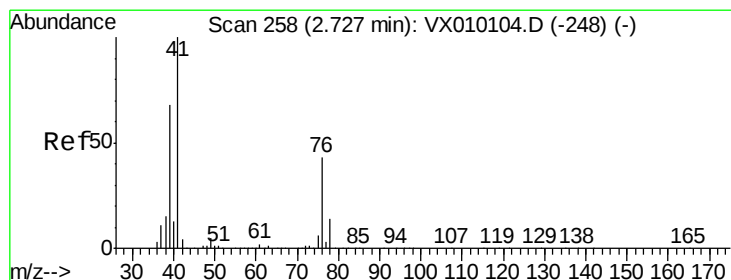
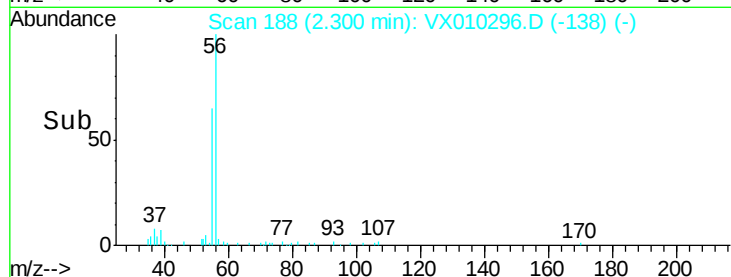
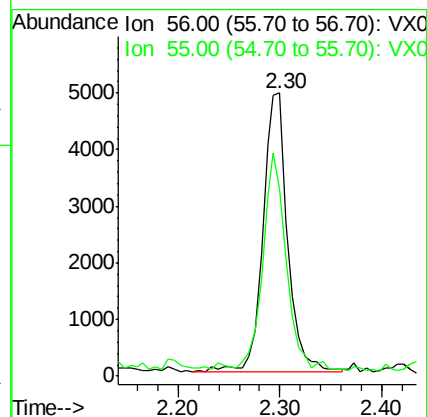
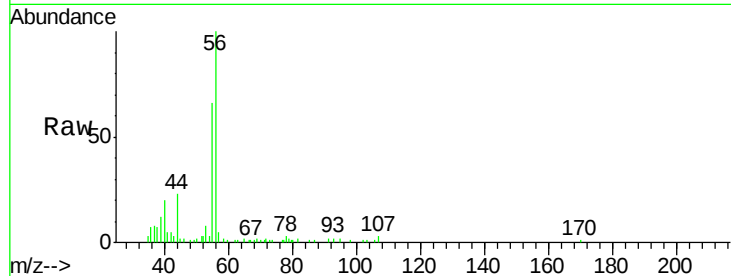
55 73.5 57.0 85.4

Manual Integrations

APPROVED

MMDadoda

6/17/2019 10:36:07 AM



#14

Allyl chloride

Concen: 17.158 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

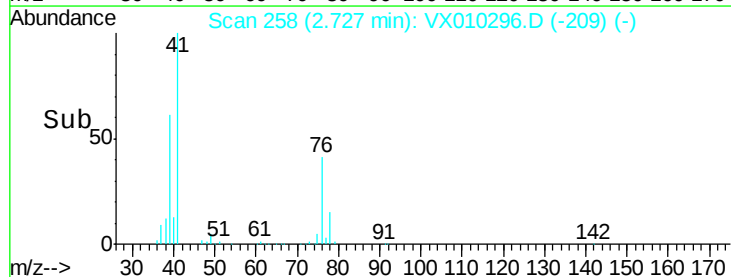
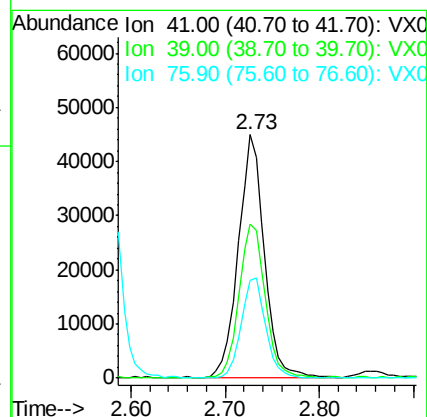
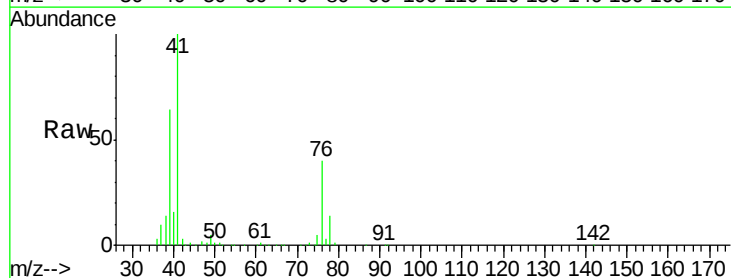
Tgt Ion: 41 Resp: 85542

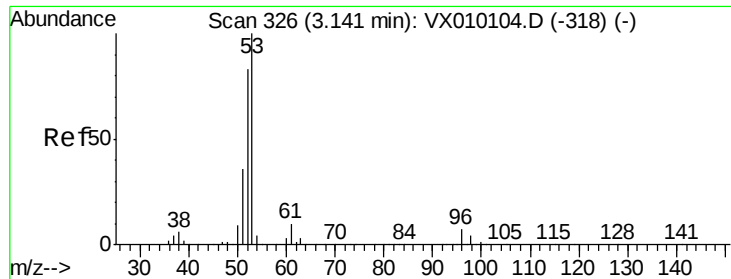
Ion Ratio Lower Upper

41 100

39 63.2 46.7 70.1

76 39.2 21.0 31.4#





#15

Acrylonitrile

Concen: 92.643 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Instrument :

MSVOA_X

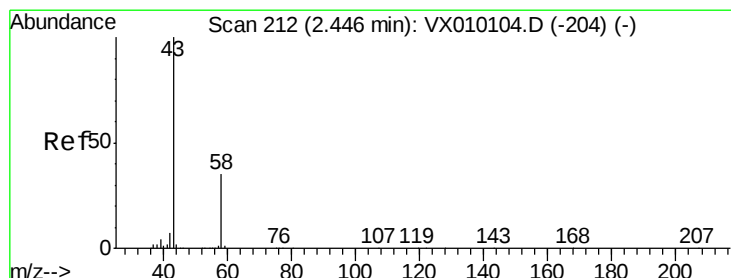
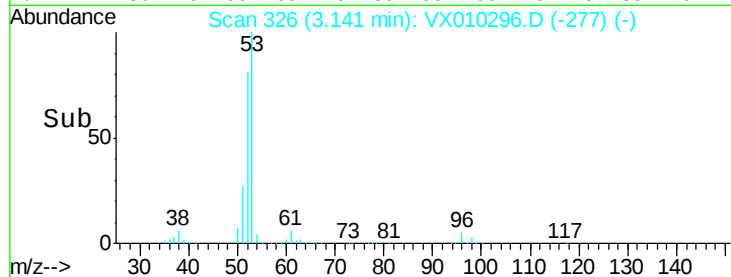
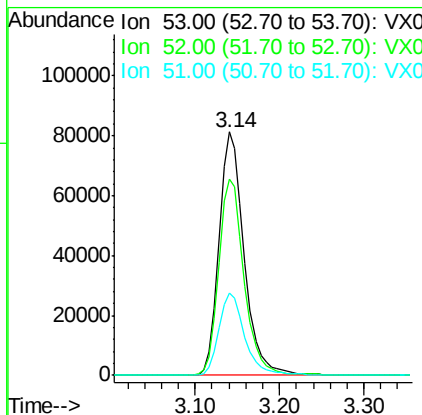
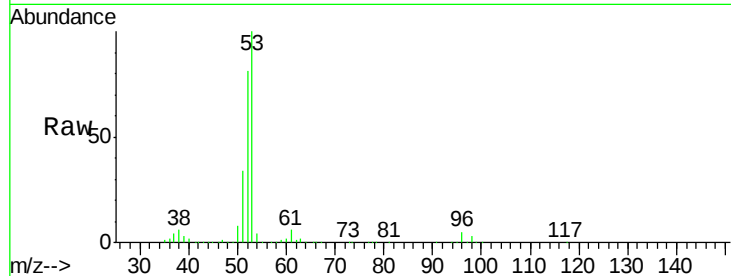
ClientSampleId :

VX0614MBS02

Tot Ion:	53	Resp:	166502
Ion Ratio		Lower	Upper
53	100		
52	82.1	66.7	100.1
51	35.0	28.8	43.2

Manual Integrations
APPROVED

MMDadoda
6/17/2019 10:36:07 AM



#16

Acetone

Concen: 97.351 ug/l

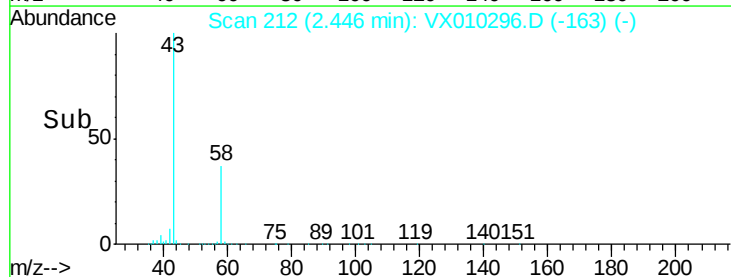
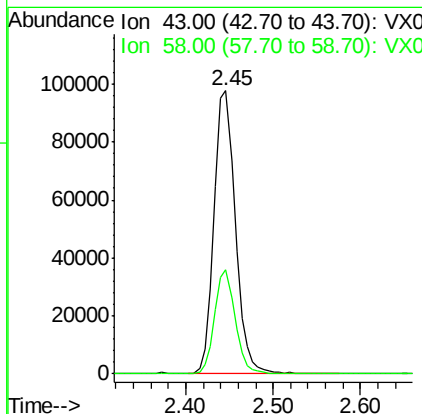
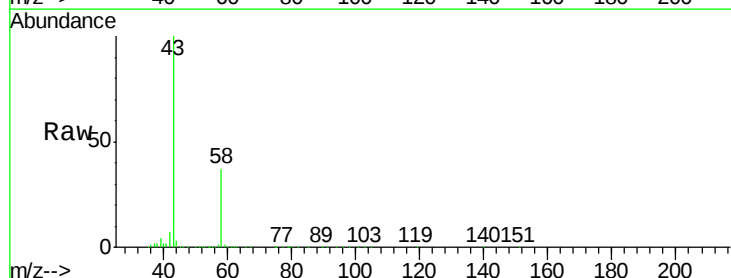
RT: 2.45 min Scan# 212

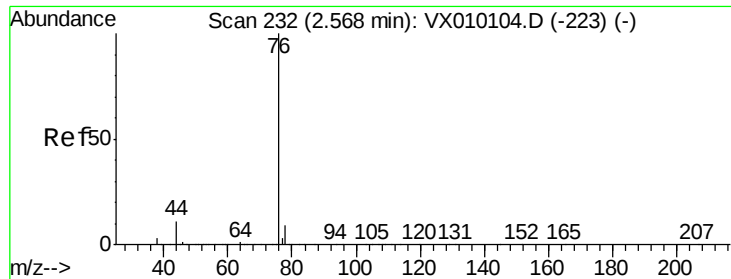
Delta R.T. -0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Tgt Ion:	43	Resp:	164349
Ion Ratio		Lower	Upper
43	100		
58	36.7	23.2	34.8#





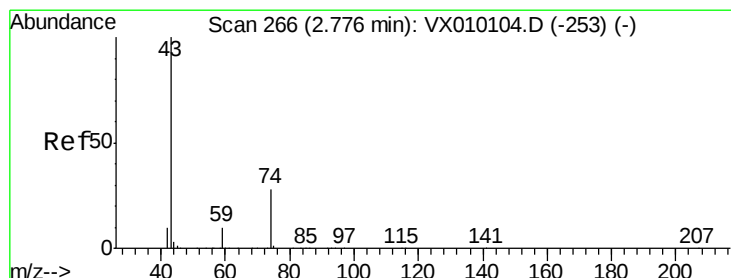
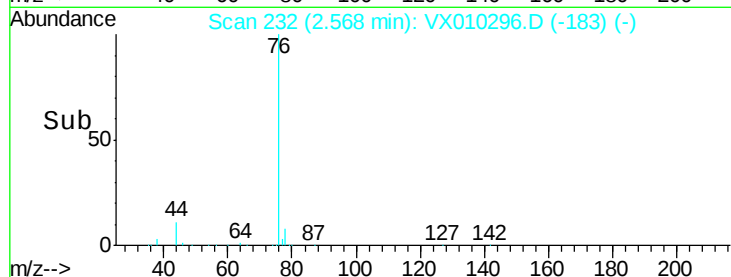
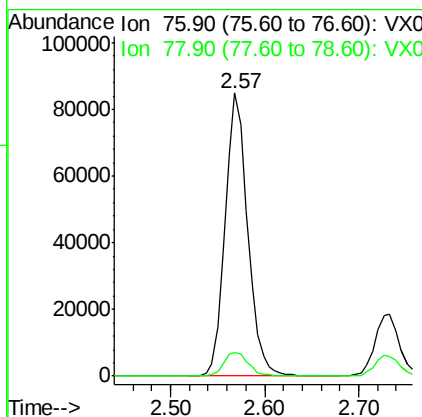
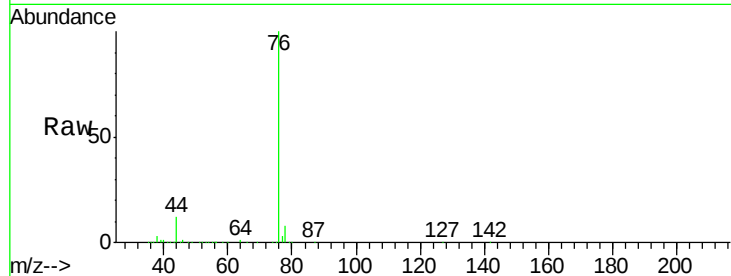
#17
Carbon Disulfide
Concen: 14.791 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX010296.D
Acq: 14 Jun 2019 13:32

Instrument :
MSVOA_X
ClientSampleId :
VX0614MBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.0	10.6

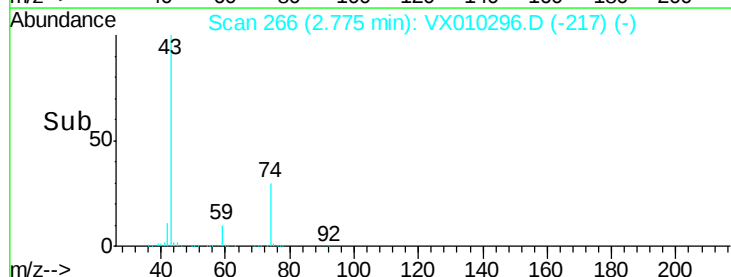
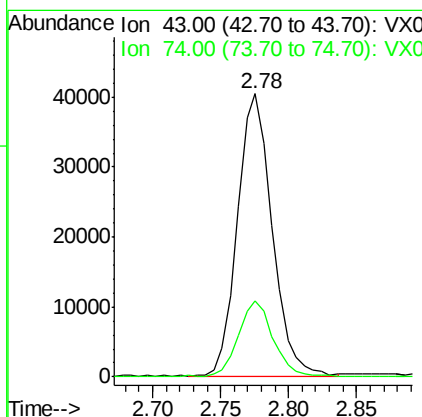
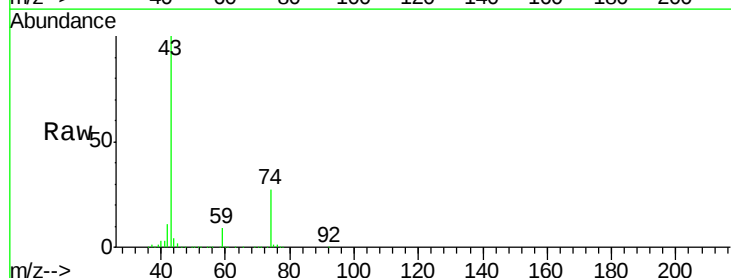
Manual Integrations
APPROVED

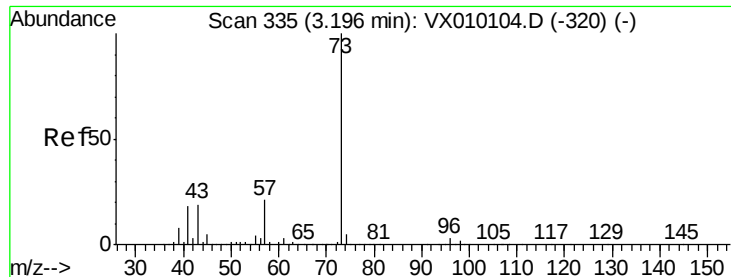
MMDadoda
6/17/2019 10:36:07 AM



#18
Methyl Acetate
Concen: 19.362 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX010296.D
Acq: 14 Jun 2019 13:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.4	15.8	23.6#





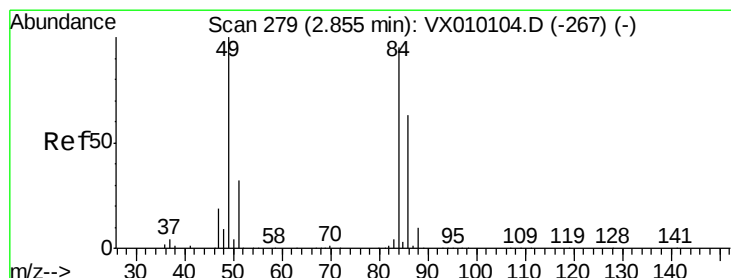
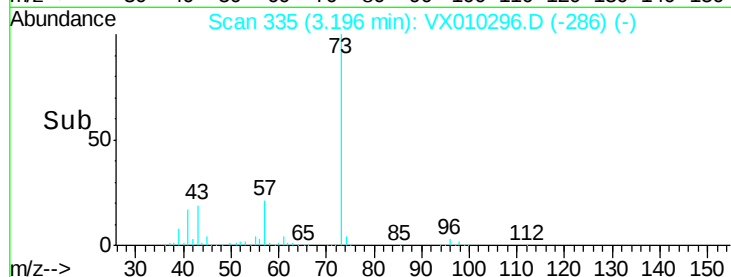
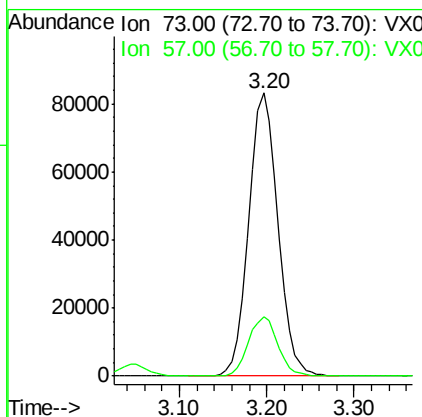
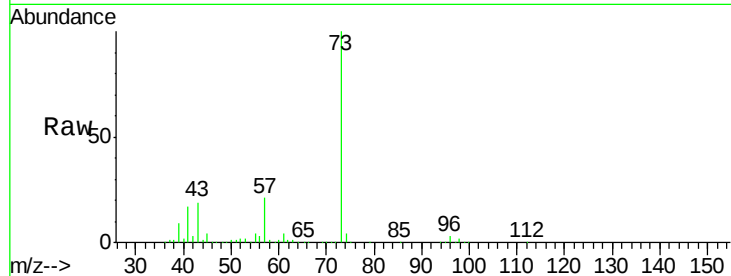
#19
Methvl tert-butvl Ether
Concen: 18.201 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010296.D
Acq: 14 Jun 2019 13:32

Instrument :
MSVOA_X
ClientSampleId :
VX0614MBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.8	19.4	29.2

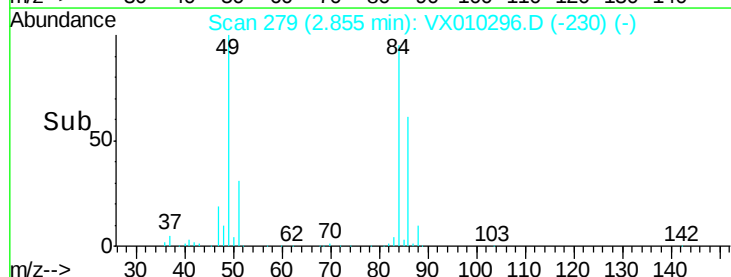
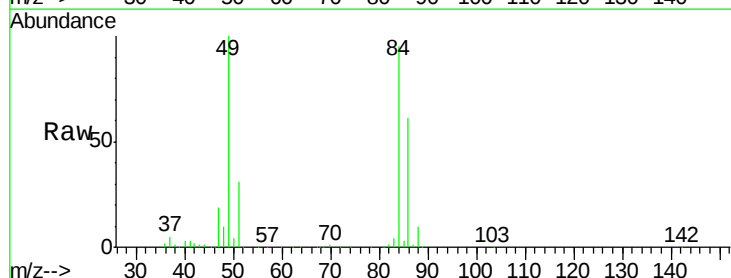
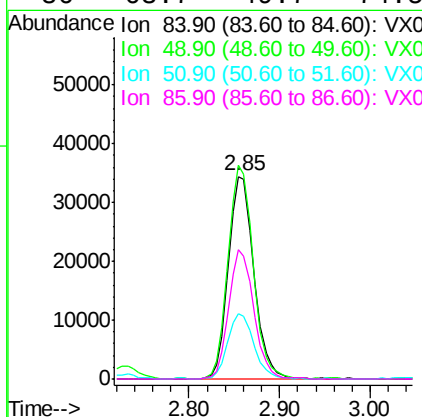
Manual Integrations
APPROVED

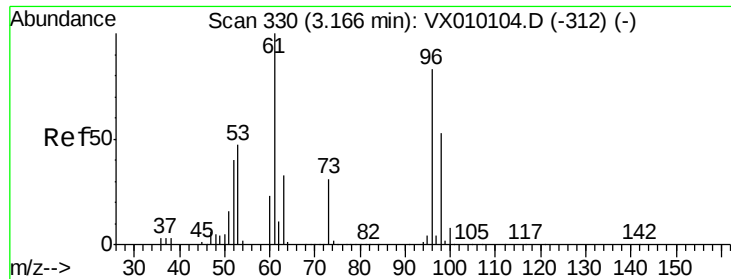
MMDadoda
6/17/2019 10:36:07 AM



#20
Methylene Chloride
Concen: 18.182 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010296.D
Acq: 14 Jun 2019 13:32

Tgt Ion	Ratio	Lower	Upper
84	100		
49	105.1	115.8	173.6#
51	32.4	34.4	51.6#
86	63.7	49.7	74.5





#21

trans-1,2-Dichloroethene

Concen: 16.831 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Instrument :

MSVOA_X

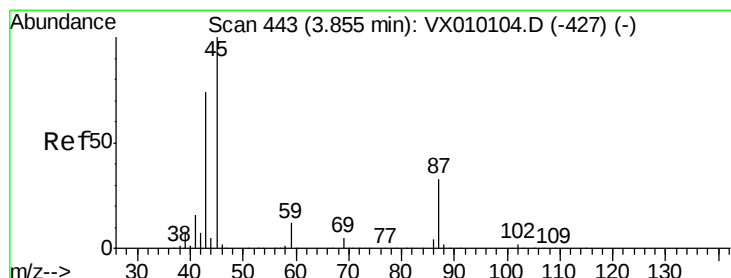
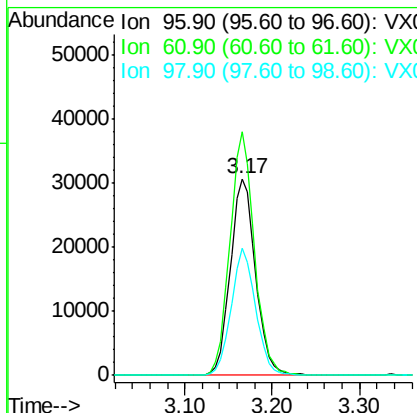
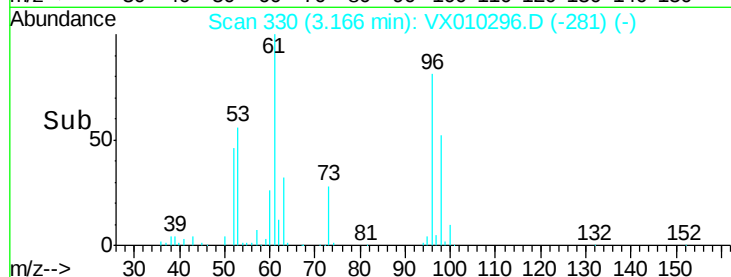
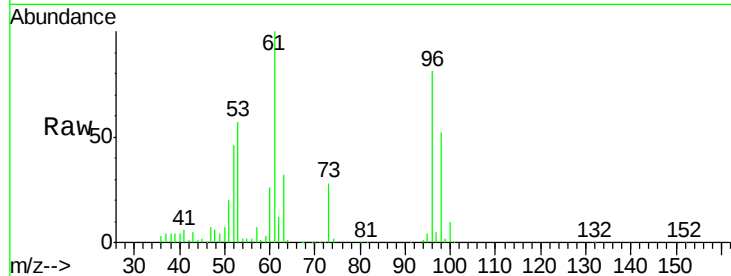
ClientSampleId :

VX0614MBS02

Tot Ion:	96	Resp:	61521
Ion	Ratio	Lower	Upper
96	100		
61	124.1	125.7	188.5#
98	64.9	49.0	73.6

Manual Integrations
APPROVED

MMDadoda
6/17/2019 10:36:07 AM



#22

Diisopropyl ether

Concen: 18.563 ug/l

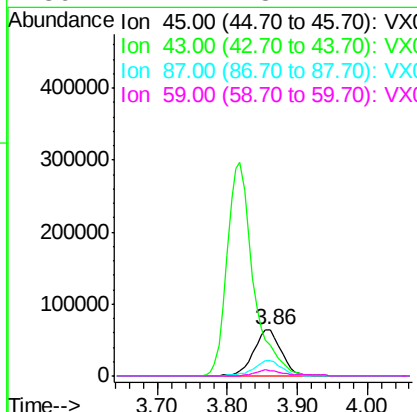
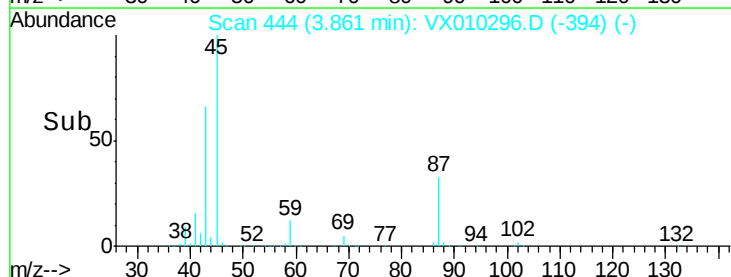
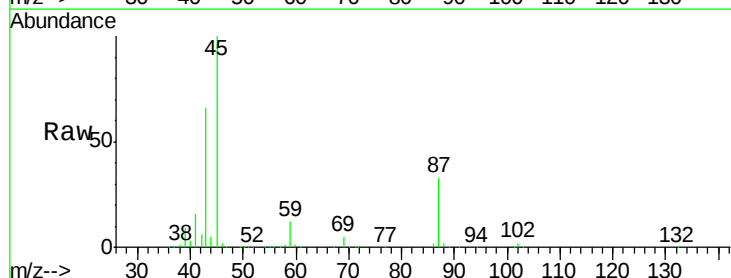
RT: 3.86 min Scan# 444

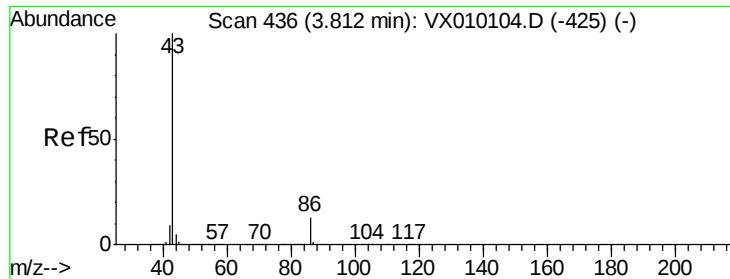
Delta R.T. 0.01 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Tgt Ion:	45	Resp:	176942
Ion	Ratio	Lower	Upper
45	100		
43	66.1	65.0	97.4
87	32.8	17.3	25.9#
59	12.2	8.1	12.1#





#23

Vinyl Acetate

Concen: 91.048 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Instrument :

MSVOA_X

ClientSampleId :

VX0614MBS02

Tot Ion: 43 Resp: 774250

Ion Ratio Lower Upper

43 100

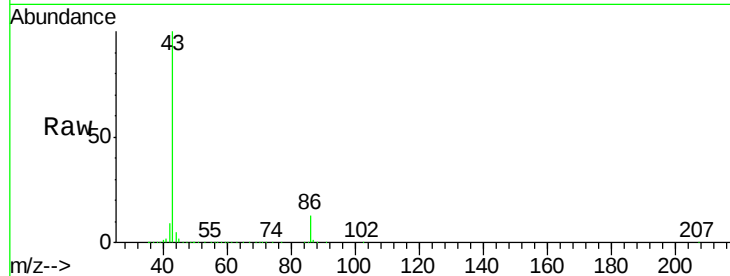
86 12.5 6.5 9.7#

Manual Integrations

APPROVED

MMDadoda

6/17/2019 10:36:07 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

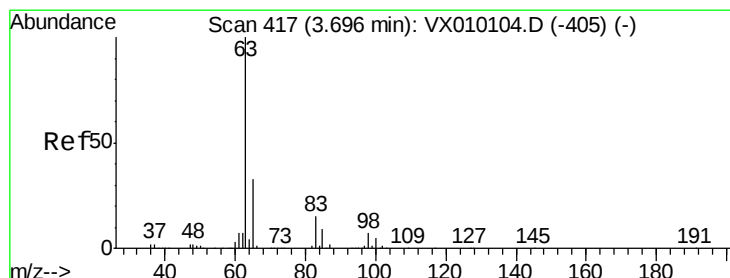
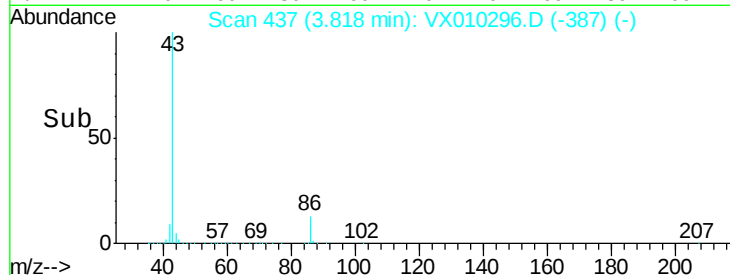
3.82

200000

100000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 18.006 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

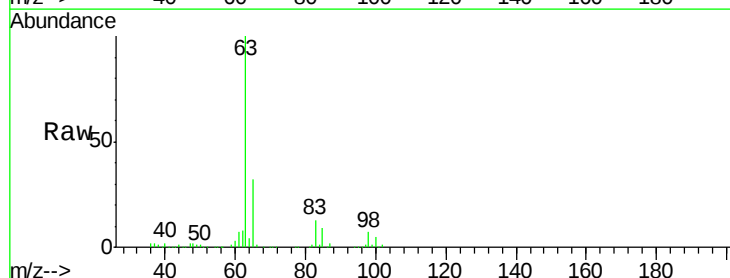
Tgt Ion: 63 Resp: 104208

Ion Ratio Lower Upper

63 100

98 7.4 2.9 8.8

100 4.8 1.8 5.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

50000

40000

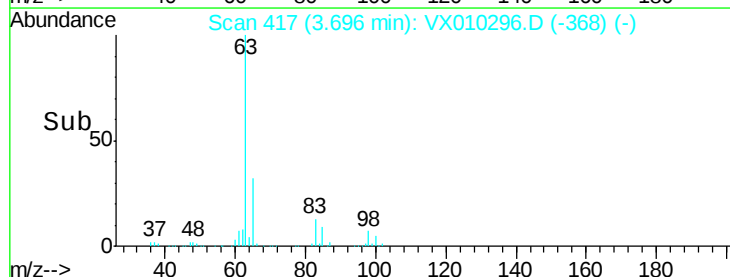
30000

20000

10000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 95.855 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Instrument :

MSVOA_X

ClientSampleId :

VX0614MBS02

Tot Ion: 43 Resp: 240968

Ion Ratio Lower Upper

43 100

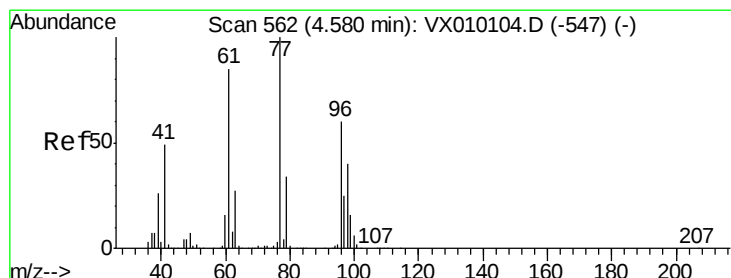
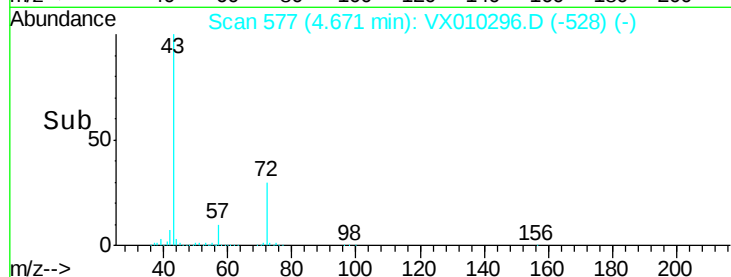
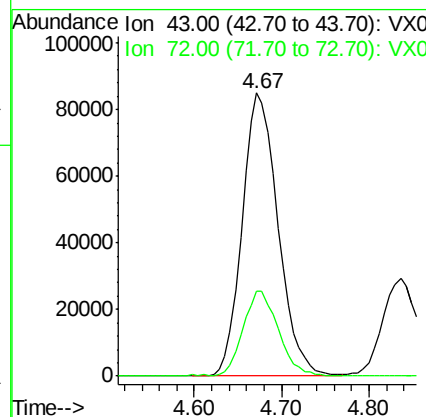
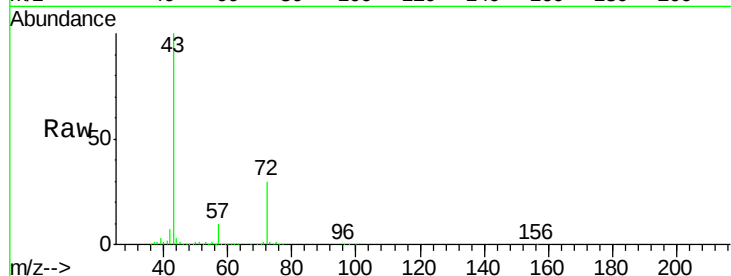
72 29.6 17.5 26.3#

Manual Integrations

APPROVED

MMDadoda

6/17/2019 10:36:07 AM



#26

2,2-Dichloropropane

Concen: 17.289 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010296.D

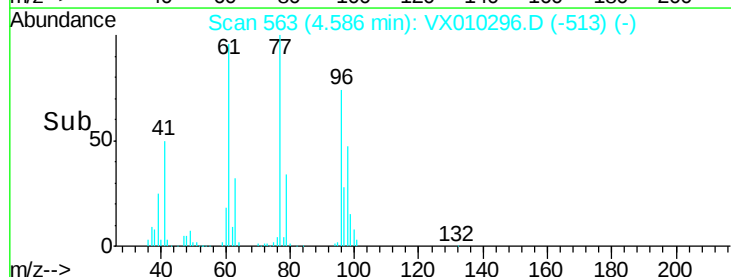
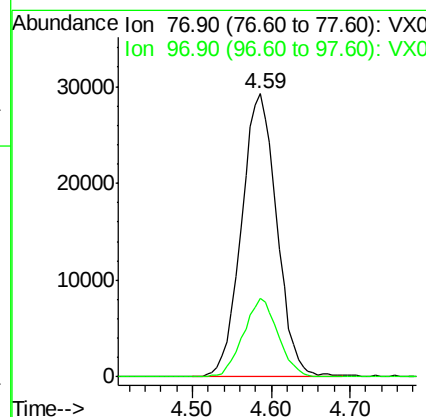
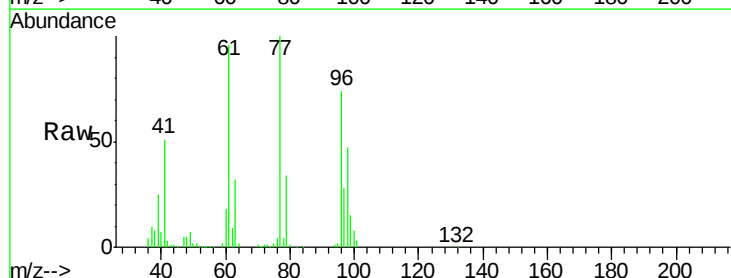
Acq: 14 Jun 2019 13:32

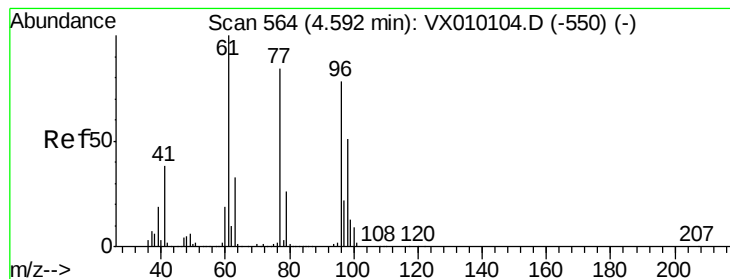
Tgt Ion: 77 Resp: 91283

Ion Ratio Lower Upper

77 100

97 27.2 11.4 34.2





#27

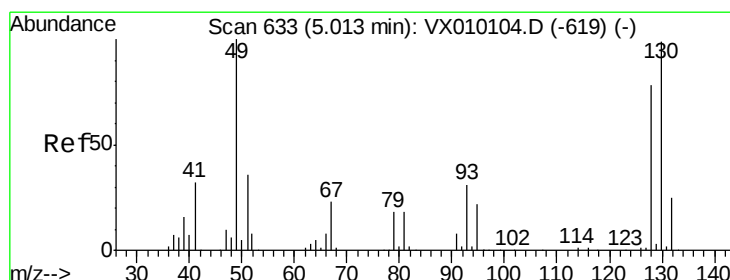
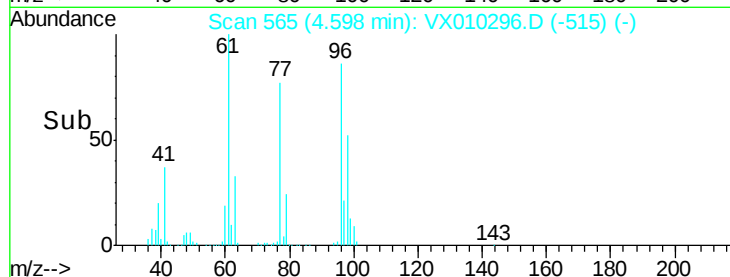
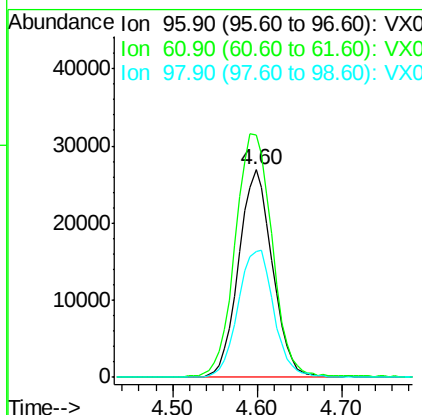
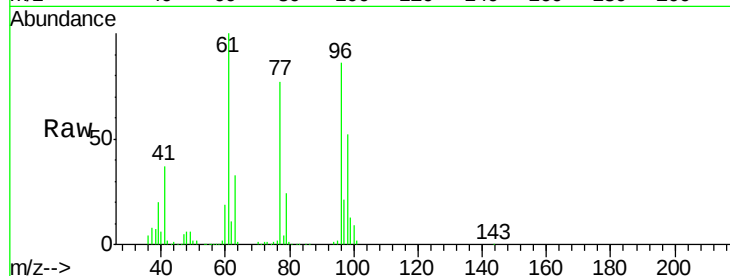
cis-1,2-Dichloroethene
Concen: 17.938 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX010296.D
Acq: 14 Jun 2019 13:32

Instrument :
MSVOA_X
ClientSampleId :
VX0614MBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.1	0.0	334.0
98	65.0	0.0	131.6

Manual Integrations
APPROVED

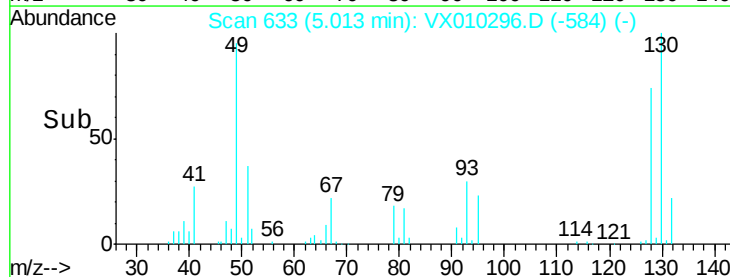
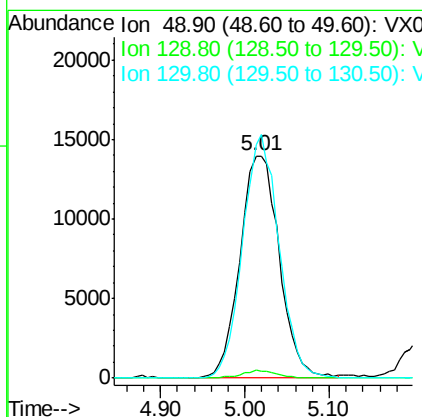
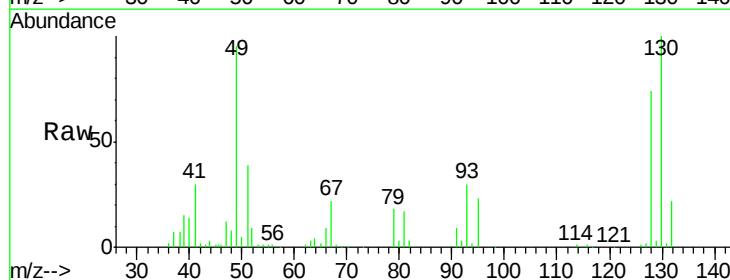
MMDadoda
6/17/2019 10:36:07 AM

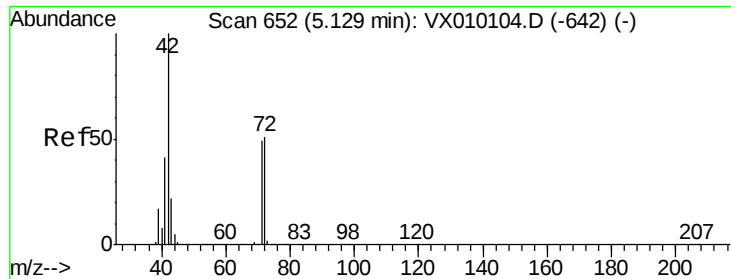


#28

Bromochloromethane
Concen: 17.132 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.00 min
Lab File: VX010296.D
Acq: 14 Jun 2019 13:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	3.4
130	101.0	49.4	74.2#





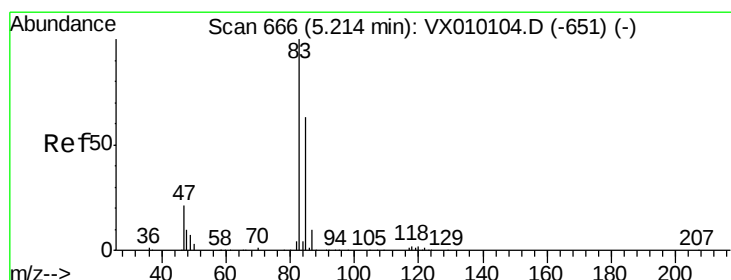
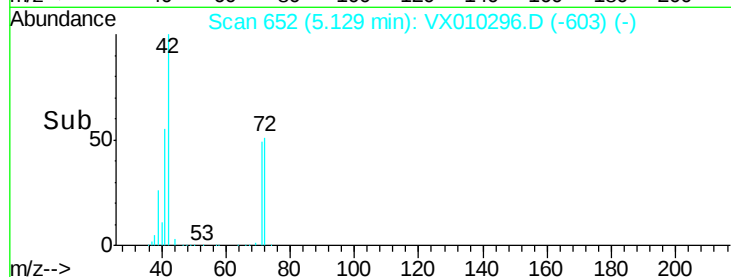
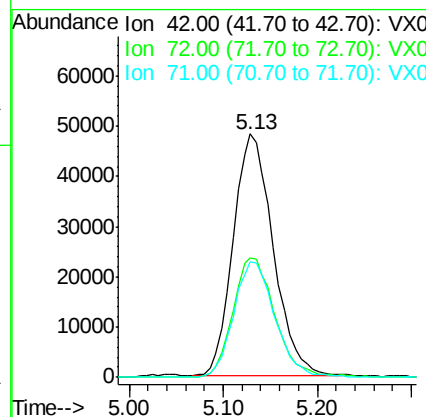
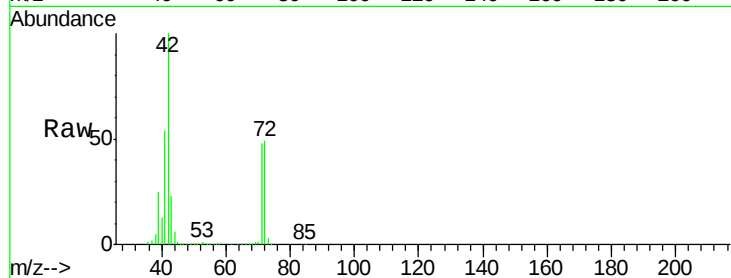
#29
Tetrahydrofuran
Concen: 90.302 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX010296.D
Acq: 14 Jun 2019 13:32

Instrument :
MSVOA_X
ClientSampleId :
VX0614MBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.1	29.2	43.8#
71	49.3	27.6	41.4#

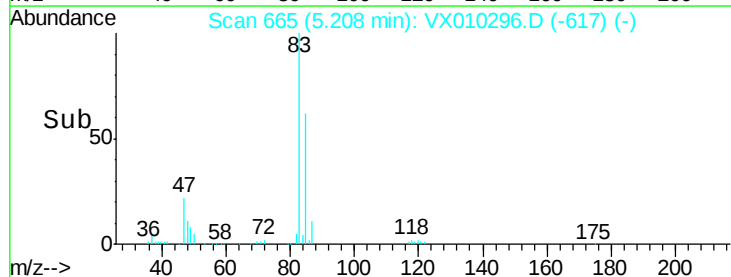
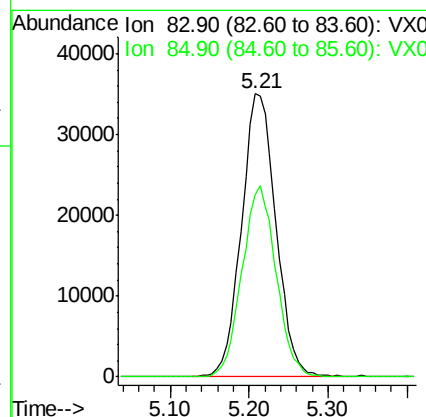
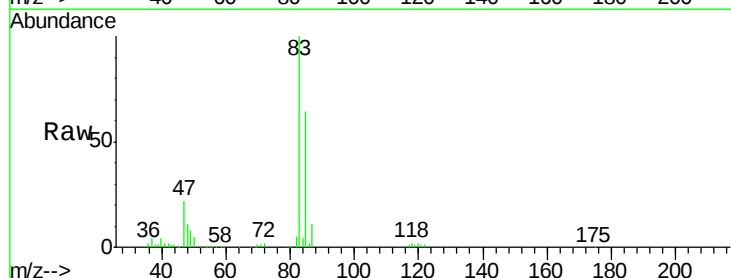
Manual Integrations
APPROVED

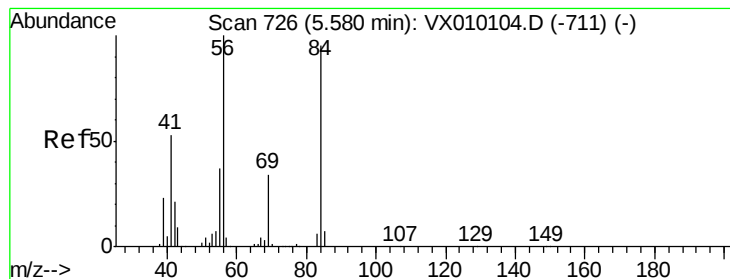
MMDadoda
6/17/2019 10:36:07 AM



#30
Chloroform
Concen: 17.702 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX010296.D
Acq: 14 Jun 2019 13:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.6	78.8





#31

Cyclohexane

Concen: 17.551 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Instrument :

MSVOA_X

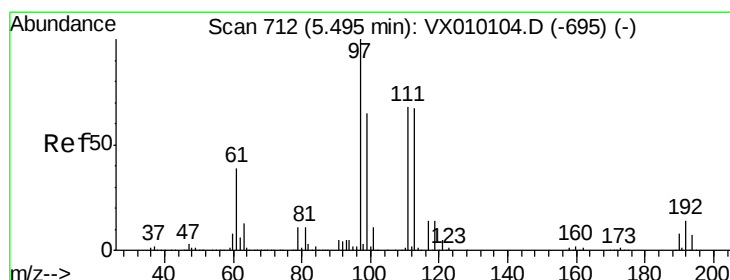
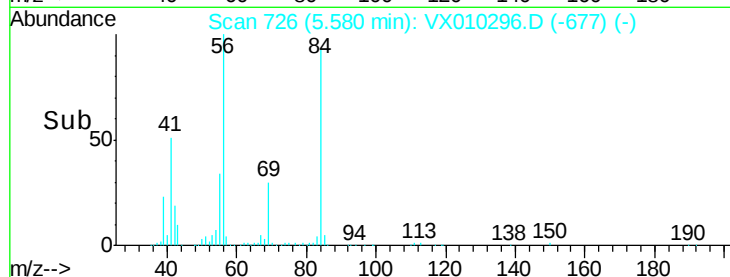
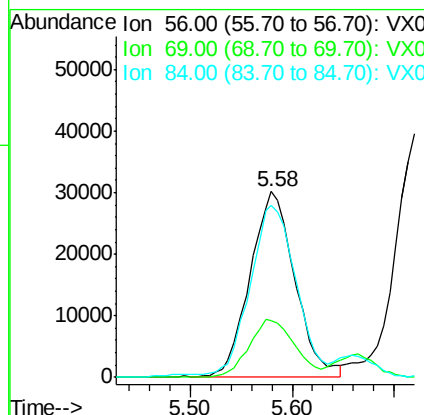
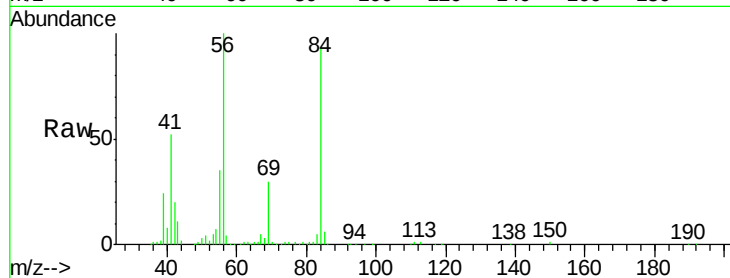
ClientSampleId :

VX0614MBS02

Tot Ion:	56	Resp:	91675
Ion	Ratio	Lower	Upper
56	100		
69	30.3	21.6	32.4
84	91.3	56.8	85.2#

Manual Integrations
APPROVED

MMDadoda
6/17/2019 10:36:07 AM



#32

1,1,1-Trichloroethane

Concen: 17.247 ug/l

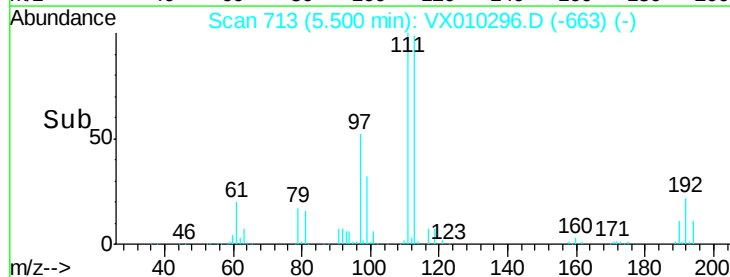
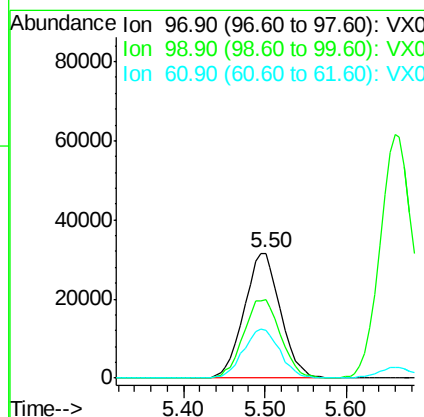
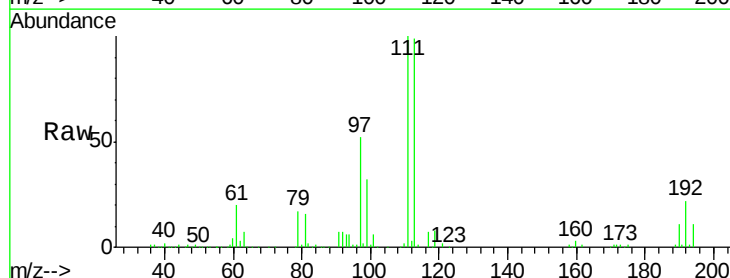
RT: 5.50 min Scan# 713

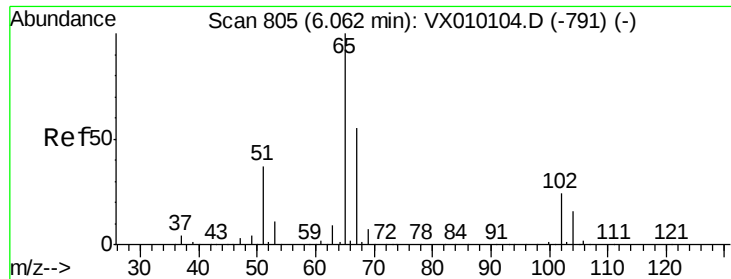
Delta R.T. 0.01 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Tgt Ion:	97	Resp:	97456
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.4
61	39.8	38.7	58.1





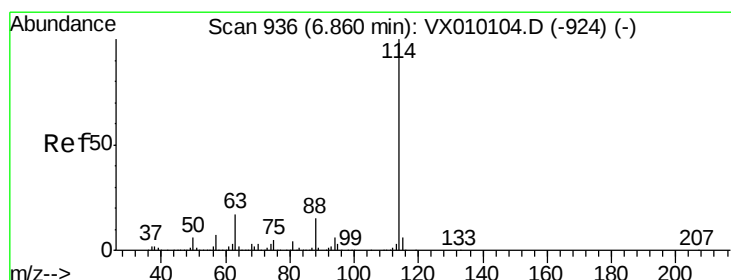
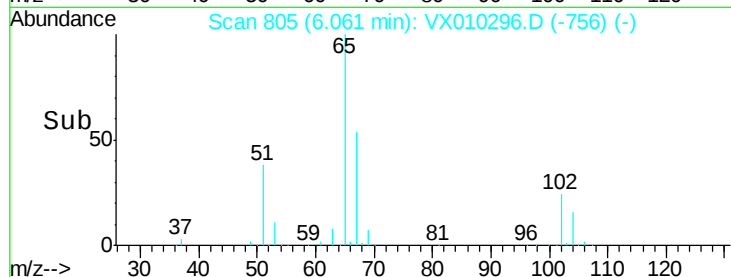
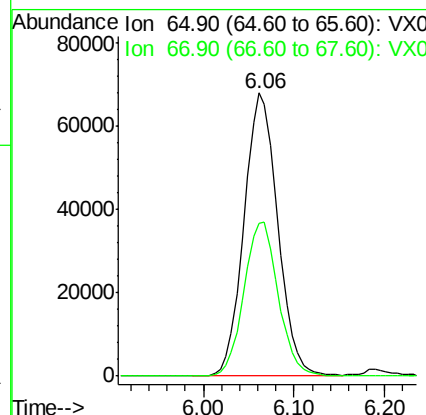
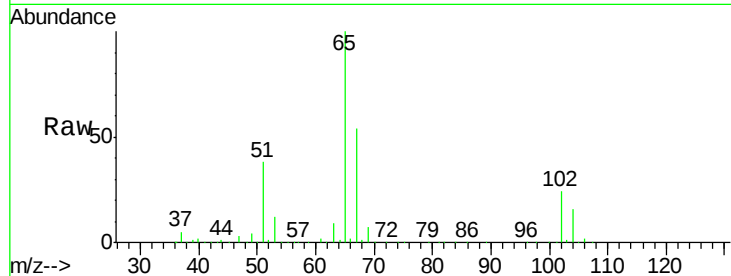
#33
 1,2-Dichloroethane-d4
 Concen: 48.818 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010296.D
 Acq: 14 Jun 2019 13:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614MBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.3	0.0	108.4

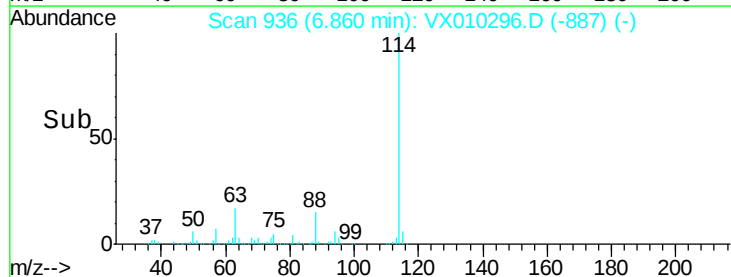
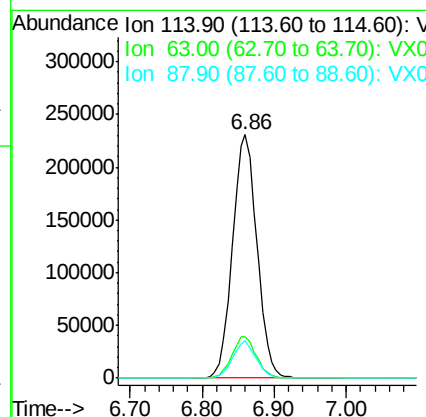
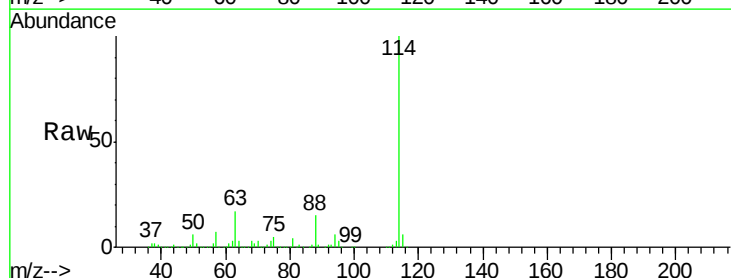
Manual Integrations
 APPROVED

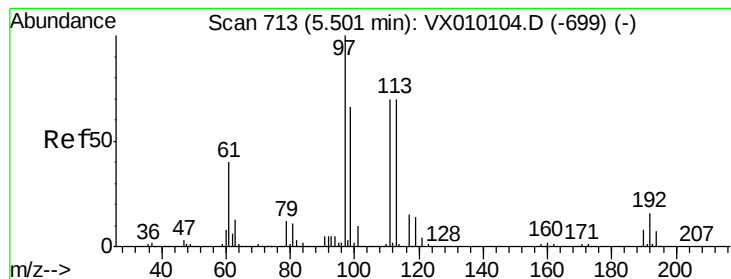
MMDadoda
 6/17/2019 10:36:07 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010296.D
 Acq: 14 Jun 2019 13:32

Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.8	0.0	47.4
88	15.2	0.0	33.0





#35

Dibromofluoromethane

Concen: 51.252 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Instrument :

MSVOA_X

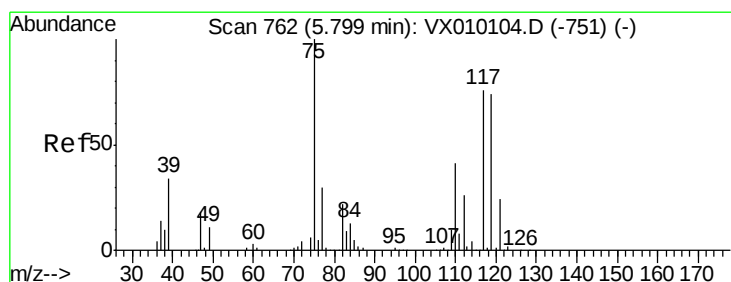
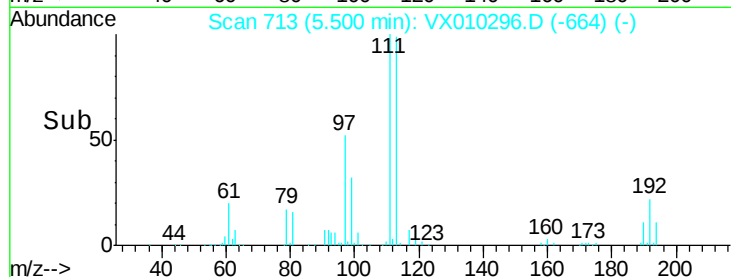
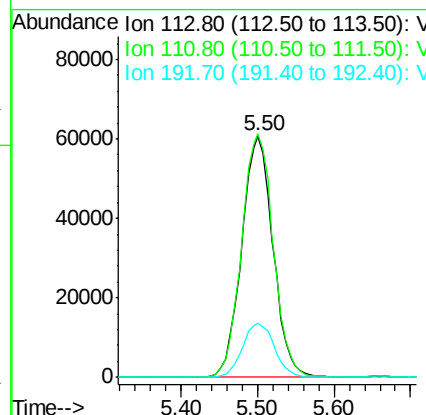
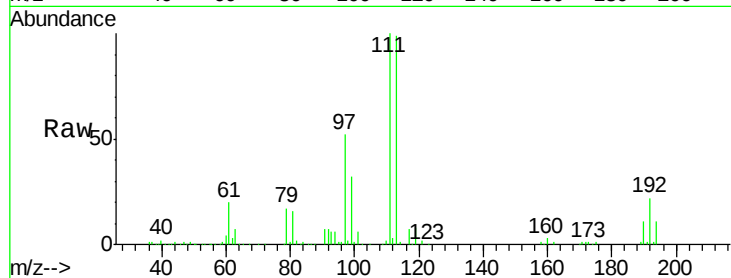
ClientSampleId :

VX0614MBS02

Tot Ion:	113	Resp:	172214
Ion Ratio	Lower	Upper	
113	100		
111	102.4	82.2	123.2
192	23.0	17.1	25.7

Manual Integrations
APPROVED

MMDadoda
6/17/2019 10:36:07 AM



#36

1,1-Dichloropropene

Concen: 17.752 ug/l

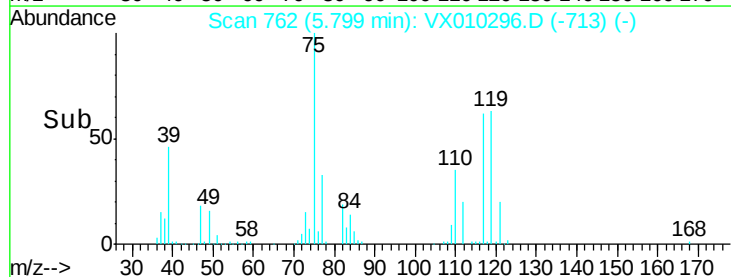
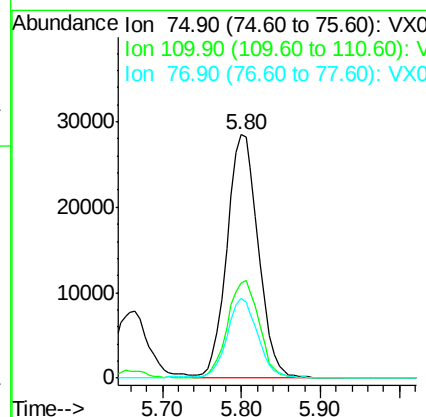
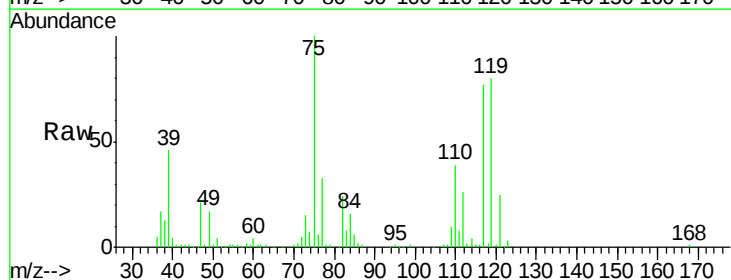
RT: 5.80 min Scan# 762

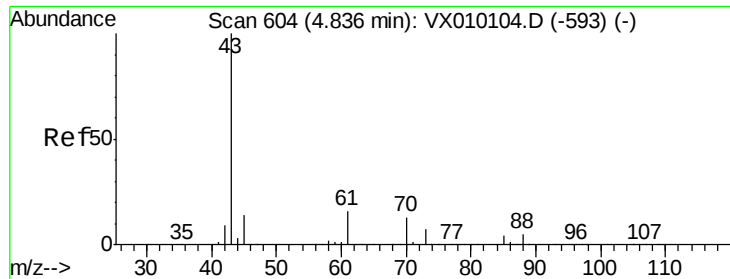
Delta R.T. -0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Tgt Ion:	75	Resp:	78896
Ion Ratio	Lower	Upper	
75	100		
110	40.4	16.7	50.1
77	32.1	25.0	37.4





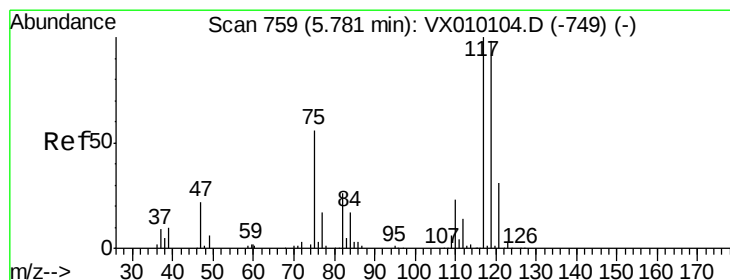
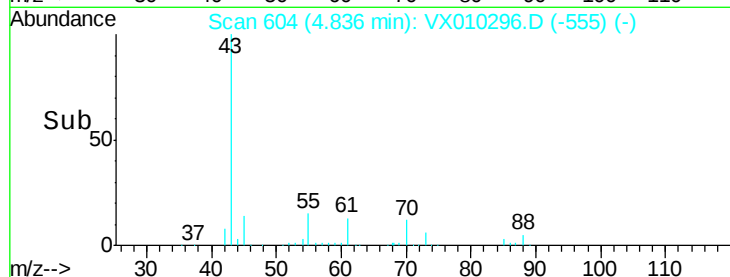
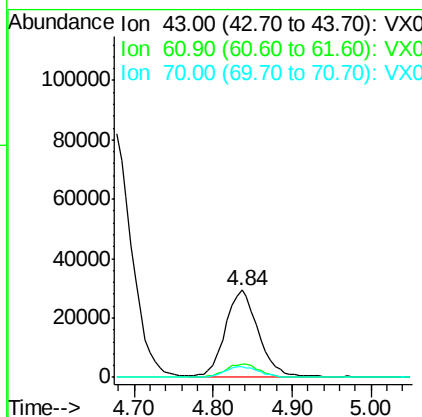
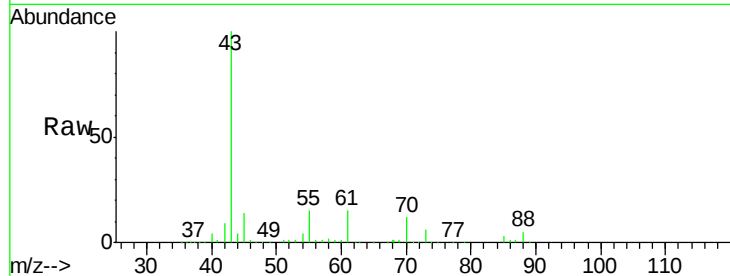
#37
Ethyl Acetate
Concen: 18.236 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX010296.D
Acq: 14 Jun 2019 13:32

Instrument :
MSVOA_X
ClientSampleId :
VX0614MBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	10.2	15.2#
70	13.2	7.4	11.2#

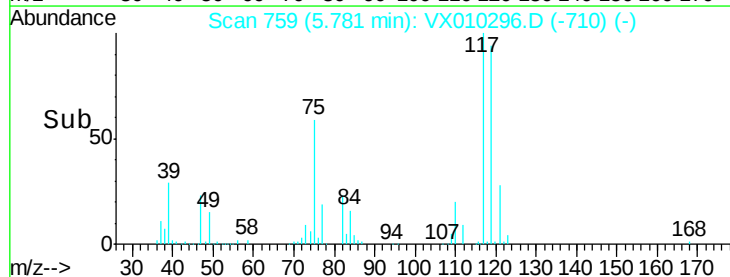
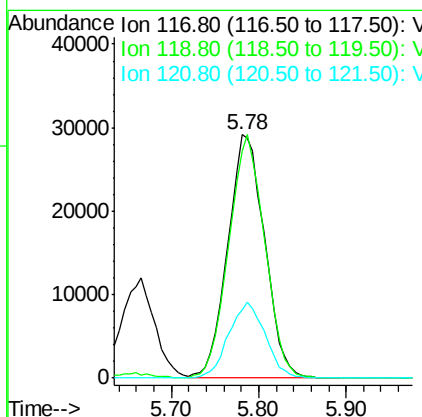
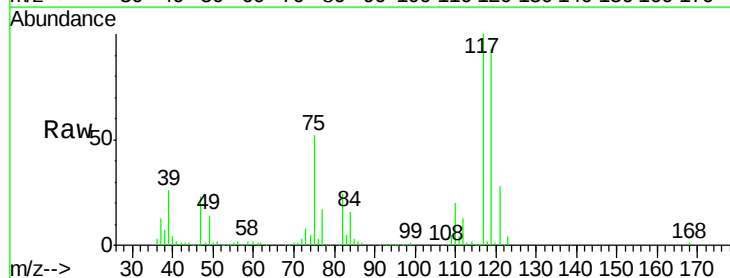
Manual Integrations
APPROVED

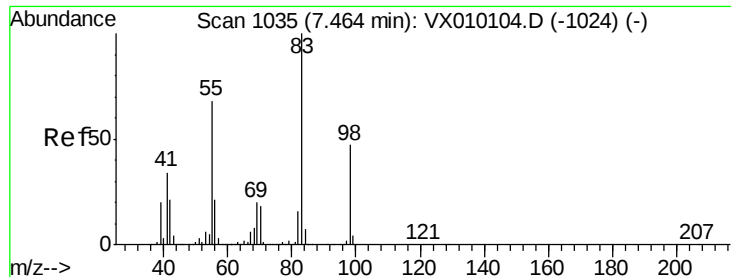
MMDadoda
6/17/2019 10:36:07 AM



#38
Carbon Tetrachloride
Concen: 17.040 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX010296.D
Acq: 14 Jun 2019 13:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	77.3	115.9
121	28.1	25.4	38.0





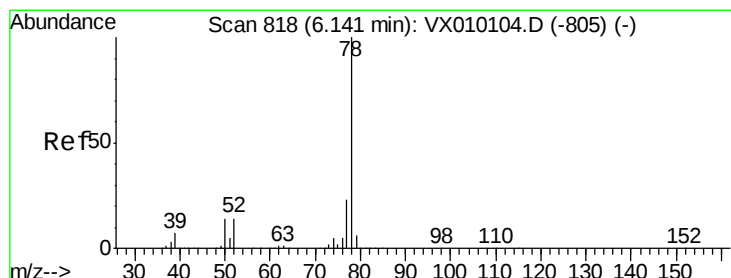
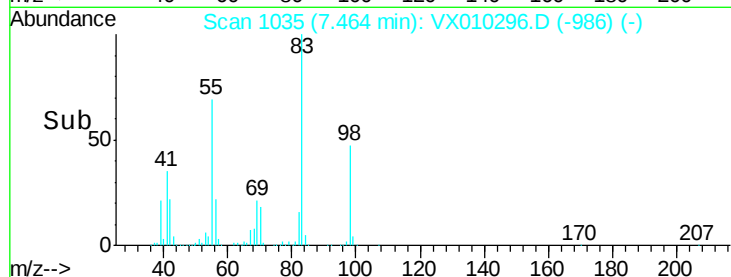
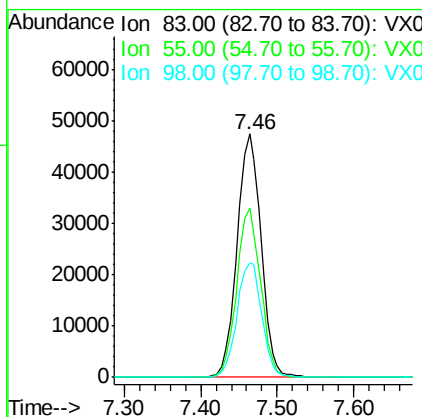
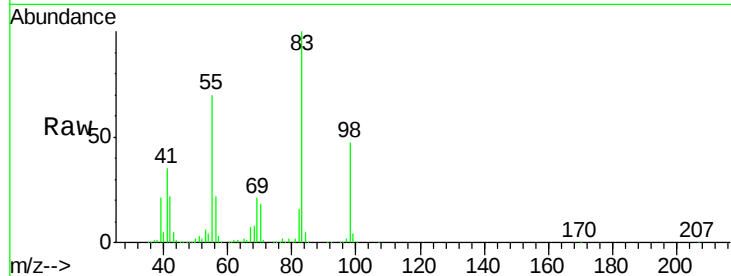
#39
Methvlcvclohexane
Concen: 17.059 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010296.D
Acq: 14 Jun 2019 13:32

Instrument :
MSVOA_X
ClientSampleId :
VX0614MBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.5	69.9	104.9#
98	46.9	35.1	52.7

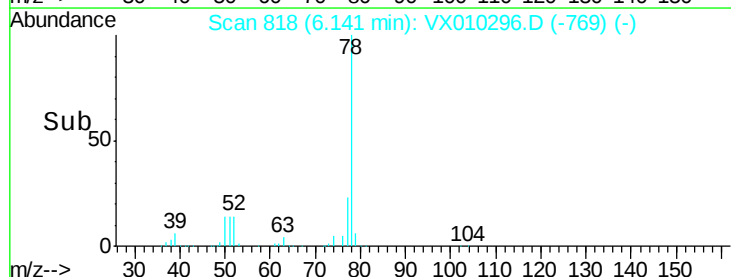
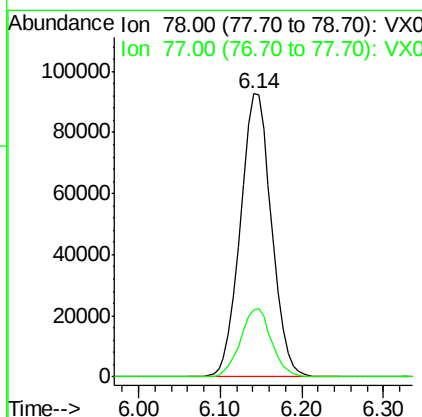
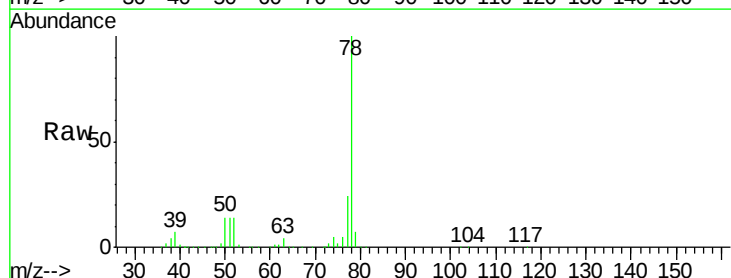
Manual Integrations
APPROVED

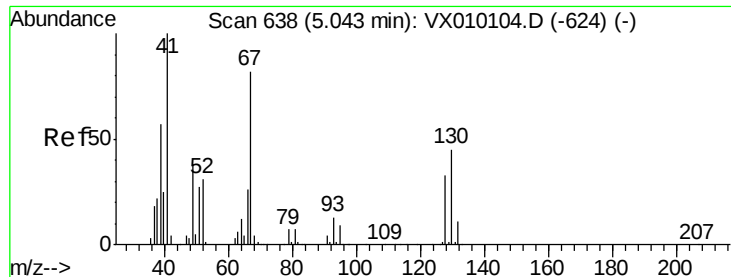
MMDadoda
6/17/2019 10:36:07 AM



#40
Benzene
Concen: 17.916 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX010296.D
Acq: 14 Jun 2019 13:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8





#41

Methacrylonitrile

Concen: 17.953 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Instrument :

MSVOA_X

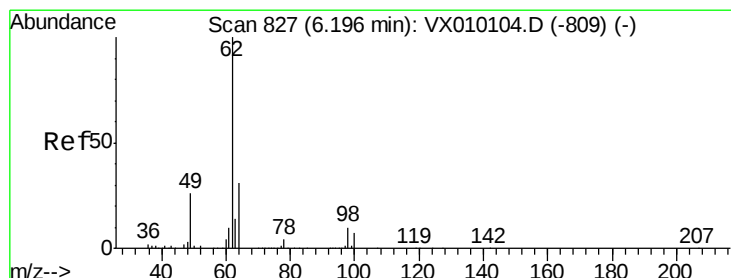
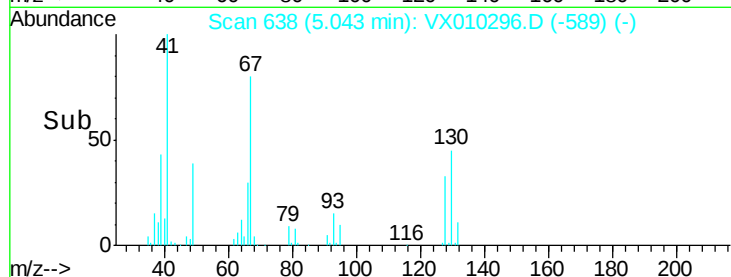
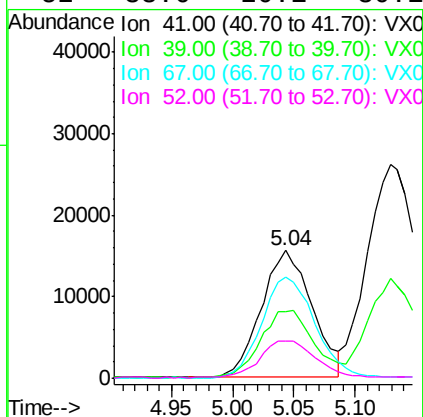
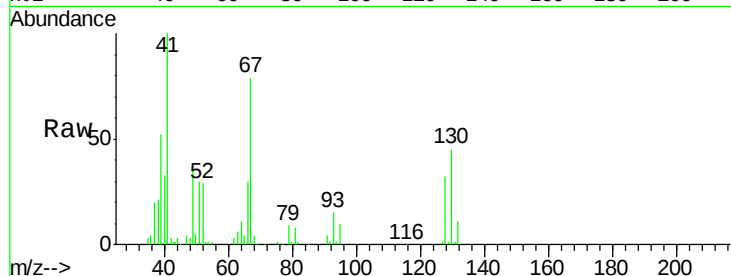
ClientSampleId :

VX0614MBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		44908		
39	57.0	42.2	63.4		
67	85.3	48.9	73.3#		
52	33.6	20.1	30.1#		

Manual Integrations
APPROVED

MMDadoda
6/17/2019 10:36:07 AM



#42

1,2-Dichloroethane

Concen: 17.808 ug/l

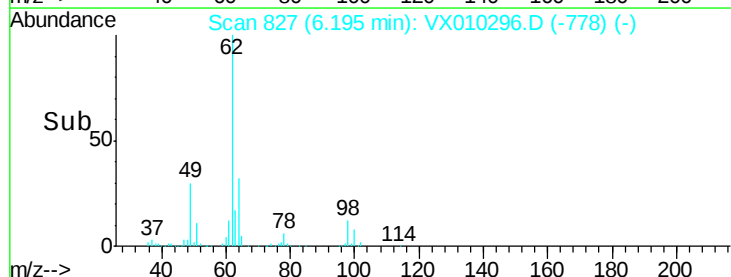
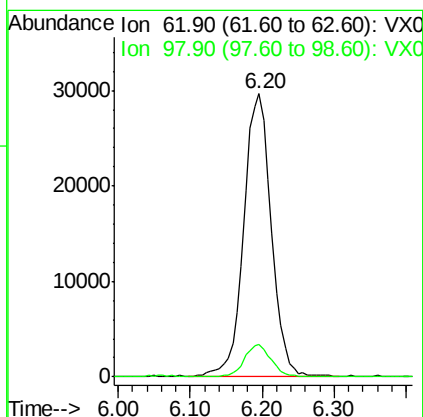
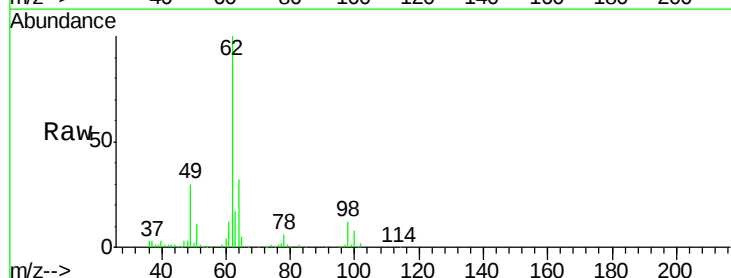
RT: 6.20 min Scan# 827

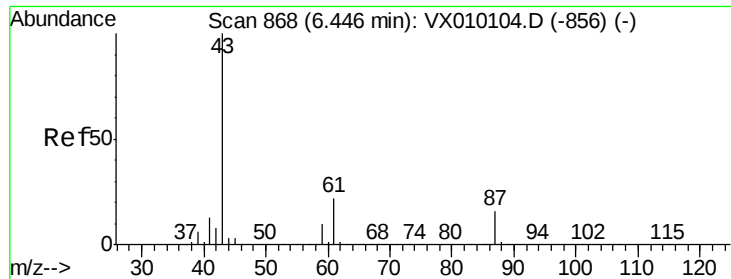
Delta R.T. -0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		78129		
98	11.3	0.0	17.2		





#43

Isopropyl Acetate

Concen: 17.615 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Instrument :

MSVOA_X

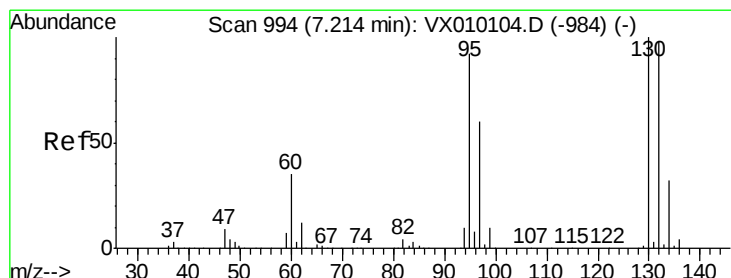
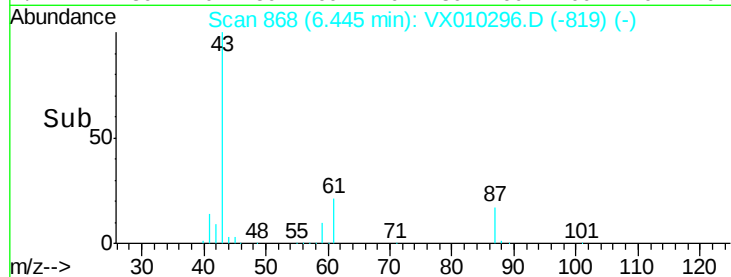
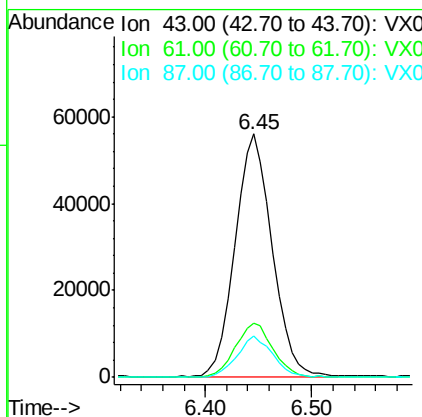
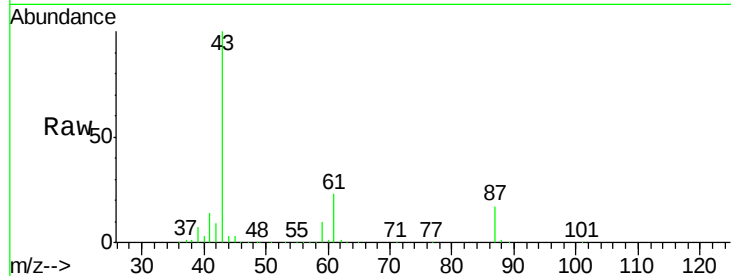
ClientSampleId :

VX0614MBS02

Tot Ion:	43	Resp:	136190
Ion	Ratio	Lower	Upper
43	100		
61	23.0	14.6	21.8#
87	16.6	8.7	13.1#

Manual Integrations
APPROVED

MMDadoda
6/17/2019 10:36:07 AM



#44

Trichloroethene

Concen: 17.983 ug/l

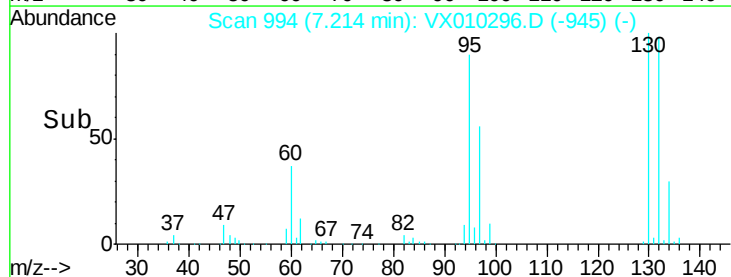
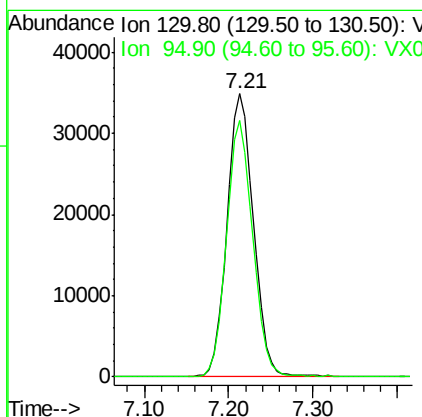
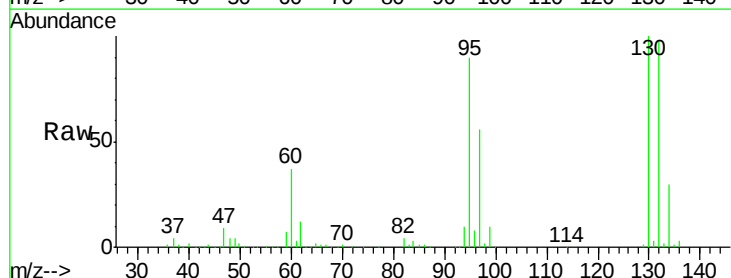
RT: 7.21 min Scan# 994

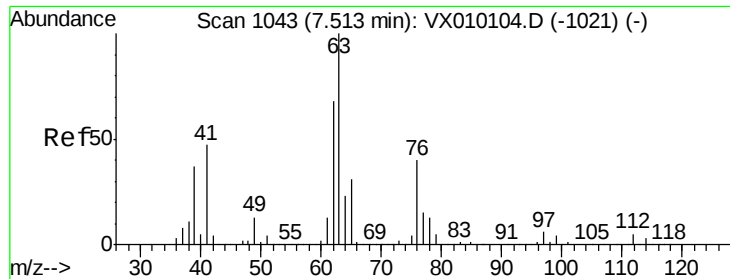
Delta R.T. -0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Tgt Ion:	130	Resp:	74495
Ion	Ratio	Lower	Upper
130	100		
95	90.4	0.0	207.4





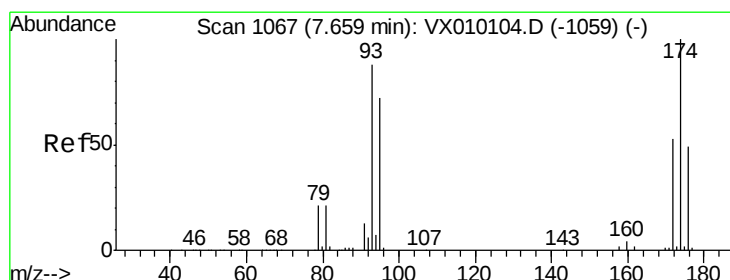
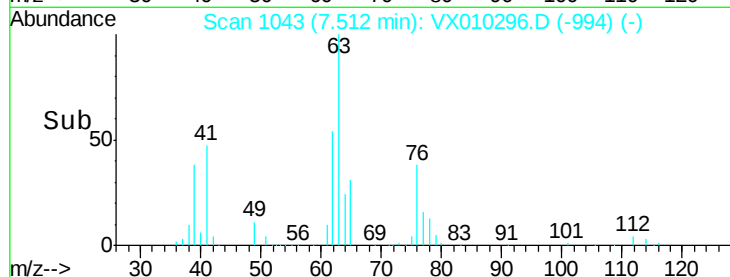
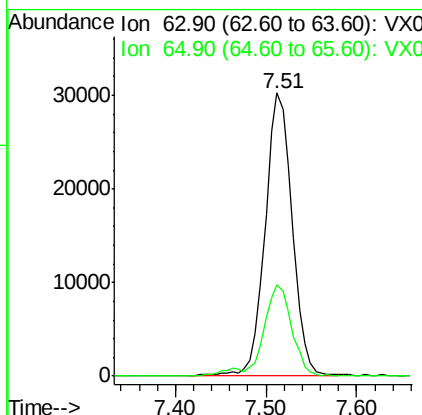
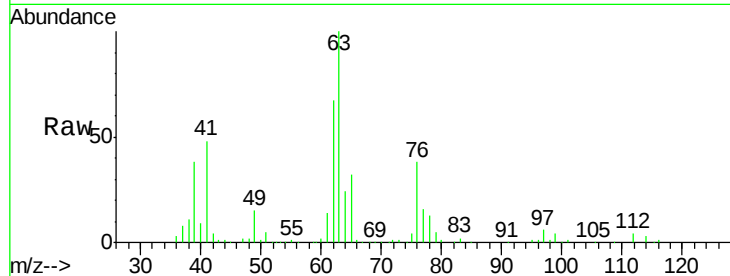
#45
 1,2-Dichloropropane
 Concen: 18.298 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX010296.D
 Acq: 14 Jun 2019 13:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614MBS02

Tot Ion: 63 Resp: 62939
 Ion Ratio Lower Upper
 63 100
 65 32.3 25.7 38.5

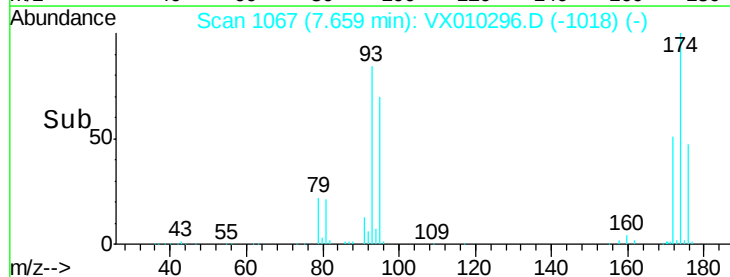
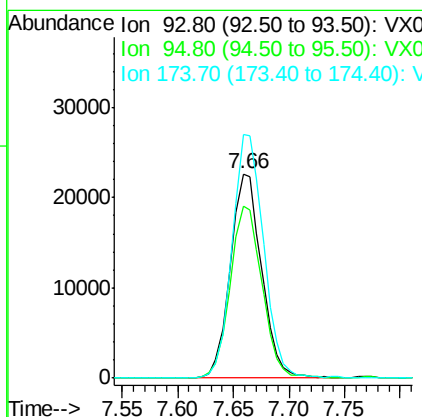
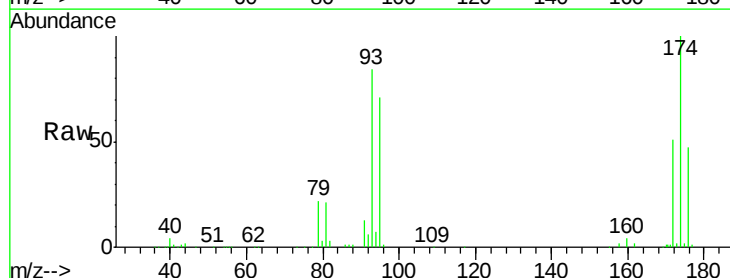
Manual Integrations
 APPROVED

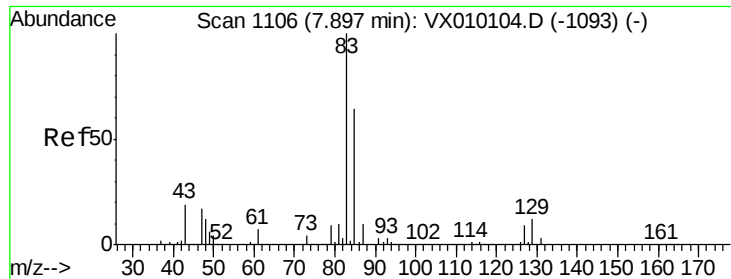
MMDadoda
 6/17/2019 10:36:07 AM



#46
 Dibromomethane
 Concen: 17.127 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX010296.D
 Acq: 14 Jun 2019 13:32

Tgt Ion: 93 Resp: 44136
 Ion Ratio Lower Upper
 93 100
 95 85.5 66.8 100.2
 174 120.3 81.9 122.9





#47

Bromodichloromethane

Concen: 17.166 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Instrument :

MSVOA_X

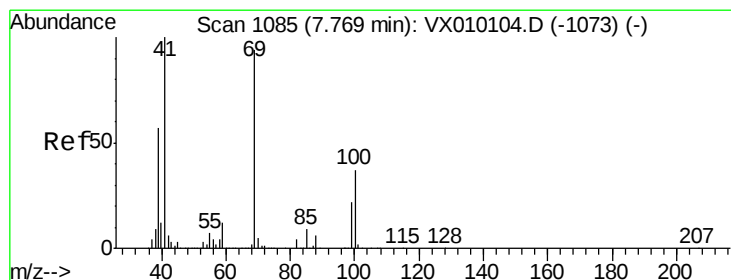
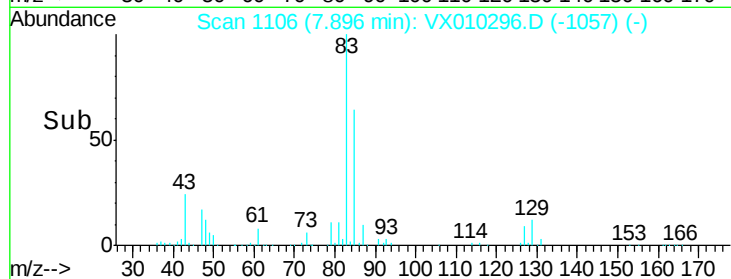
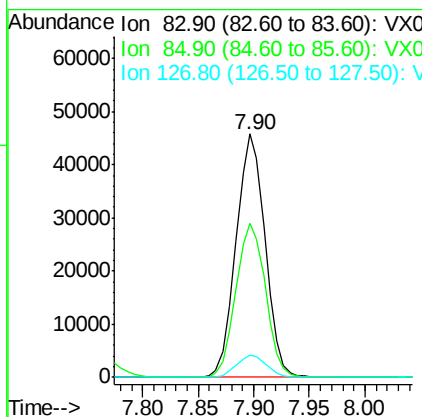
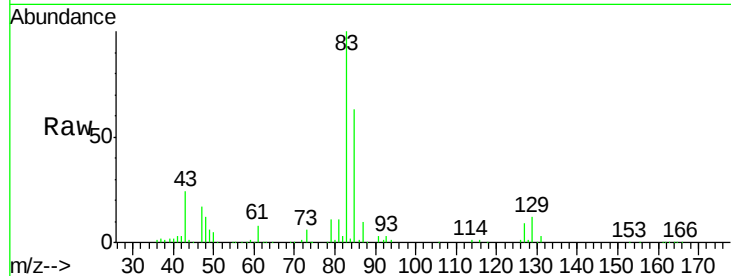
ClientSampleId :

VX0614MBS02

Tot Ion:	83	Resp:	82661
Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.4	77.2
127	9.1	6.4	9.6

Manual Integrations
APPROVED

MMDadoda
6/17/2019 10:36:07 AM



#48

Methyl methacrylate

Concen: 18.300 ug/l

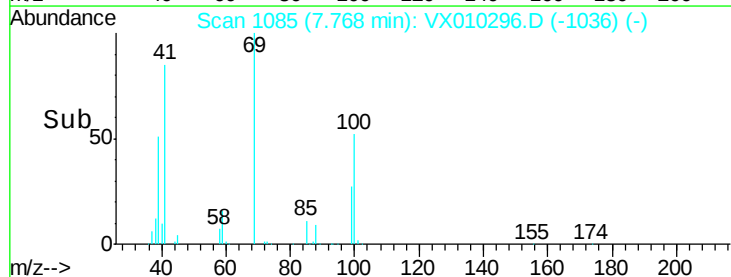
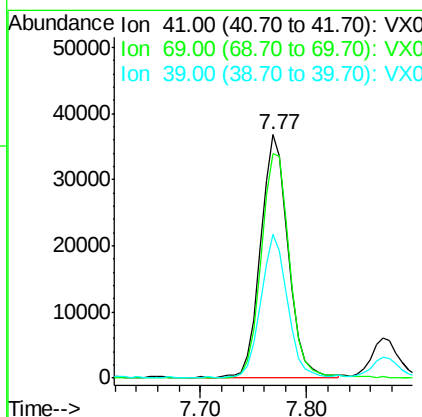
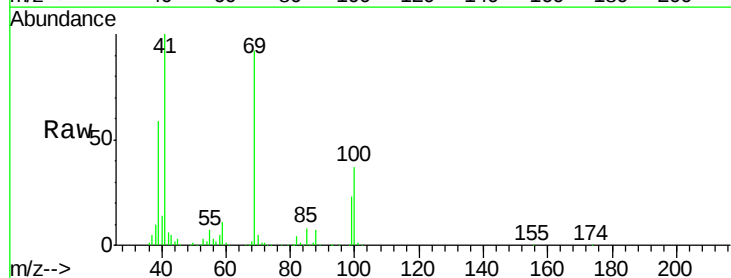
RT: 7.77 min Scan# 1085

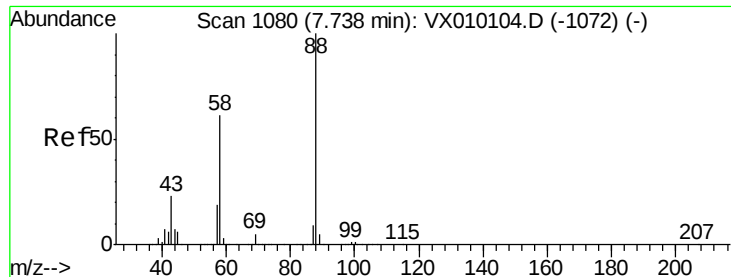
Delta R.T. -0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Tgt Ion:	41	Resp:	66172
Ion	Ratio	Lower	Upper
41	100		
69	96.5	56.4	84.6#
39	56.6	40.6	60.8





#49

1,4-Dioxane

Concen: 343.196 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Instrument :

MSVOA_X

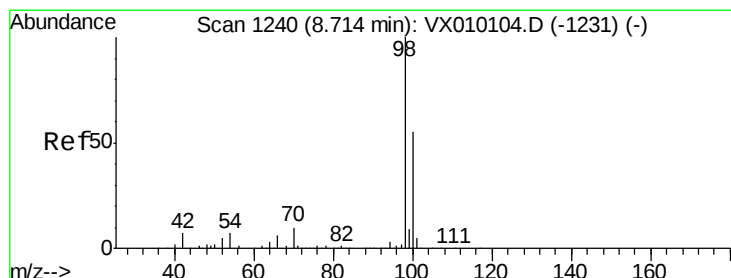
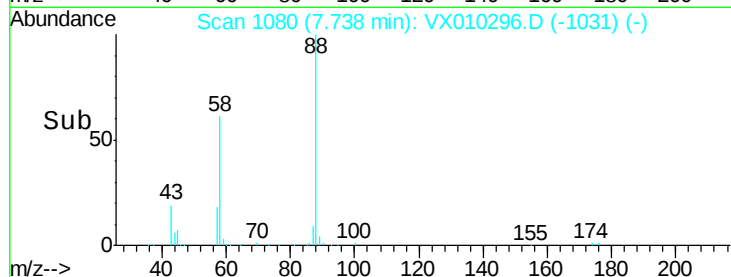
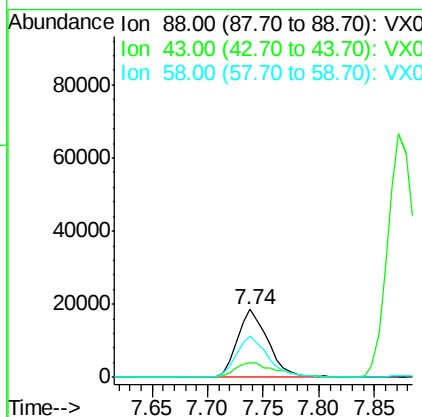
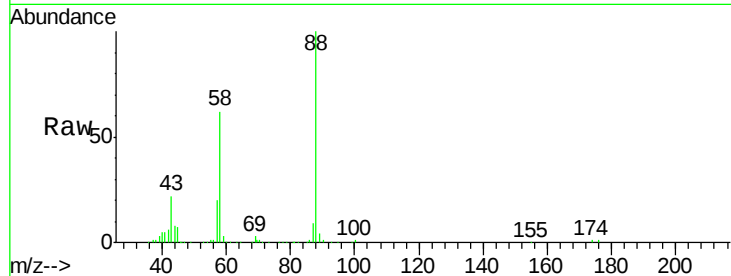
ClientSampleId :

VX0614MBS02

Tot Ion:	88	Resp:	35381
Ion	Ratio	Lower	Upper
88	100		
43	26.9	30.2	45.4#
58	64.0	64.0	96.0#

Manual Integrations
APPROVED

MMDadoda
6/17/2019 10:36:07 AM



#50

Toluene-d8

Concen: 50.842 ug/l

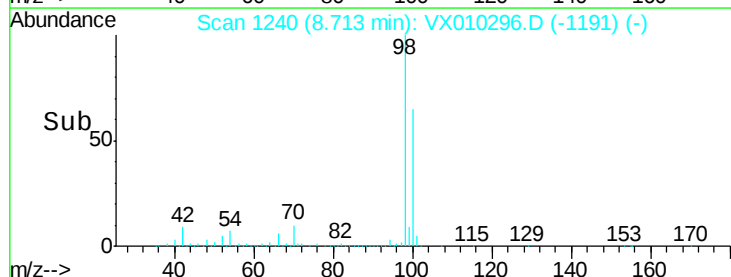
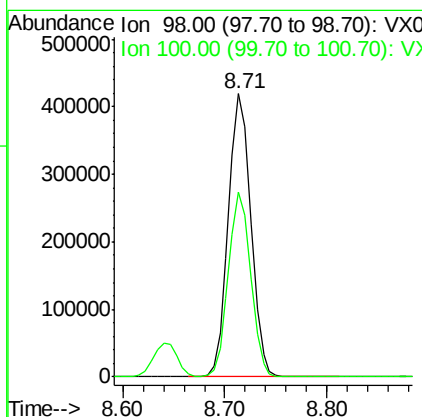
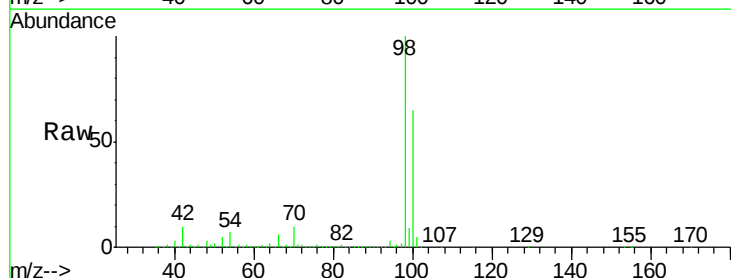
RT: 8.71 min Scan# 1240

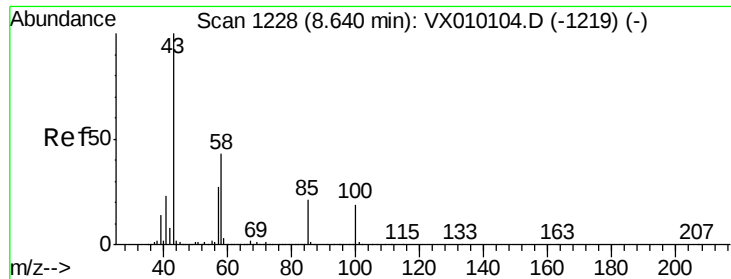
Delta R.T. 0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Tgt Ion:	98	Resp:	640270
Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.5	77.3





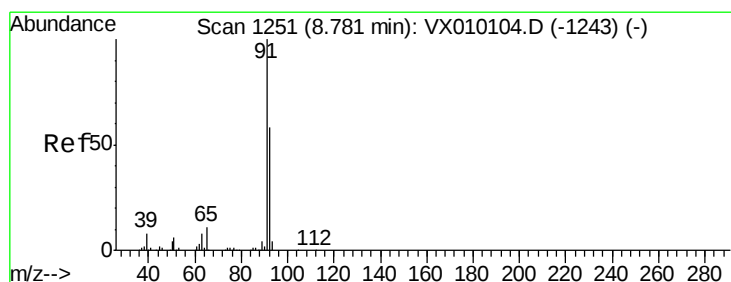
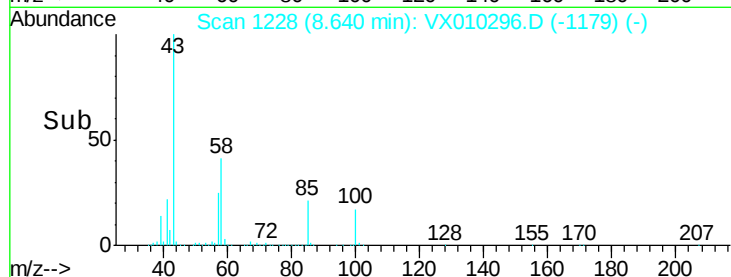
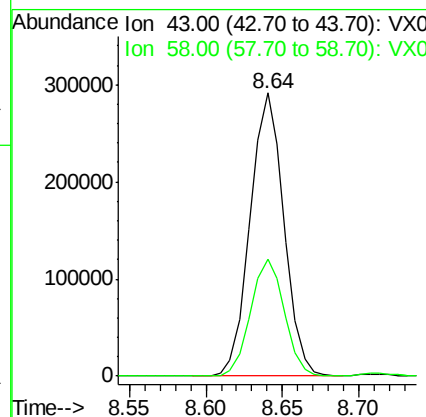
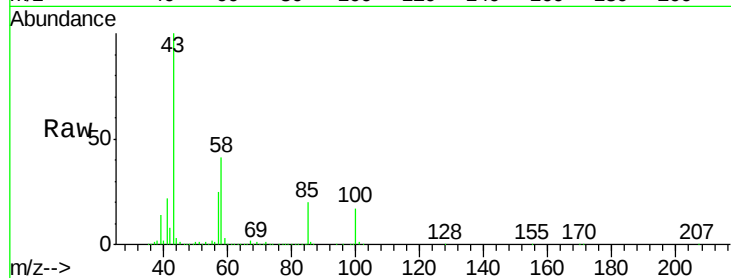
#51
4-Methyl-2-Pentanone
Concen: 96.737 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX010296.D
Acq: 14 Jun 2019 13:32

Instrument :
MSVOA_X
ClientSampleId :
VX0614MBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.4	28.8	43.2

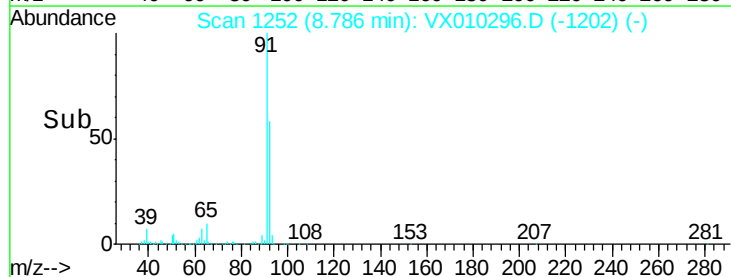
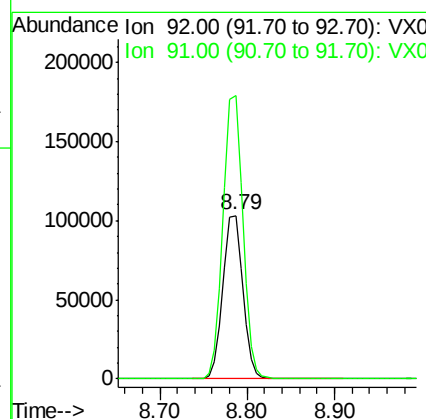
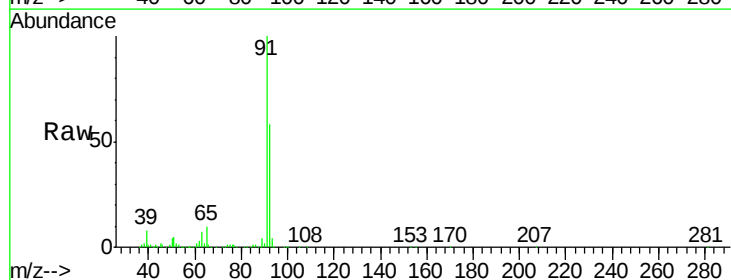
Manual Integrations
APPROVED

MMDadoda
6/17/2019 10:36:07 AM



#52
Toluene
Concen: 18.142 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.01 min
Lab File: VX010296.D
Acq: 14 Jun 2019 13:32

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.4	139.9	209.9





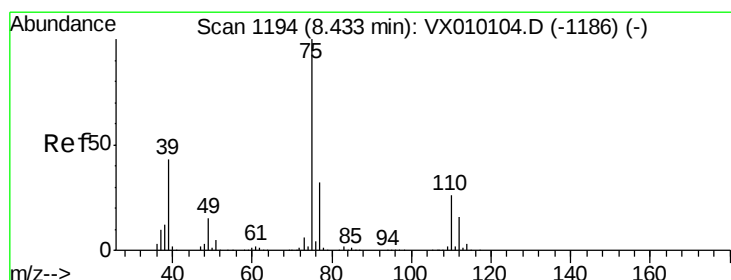
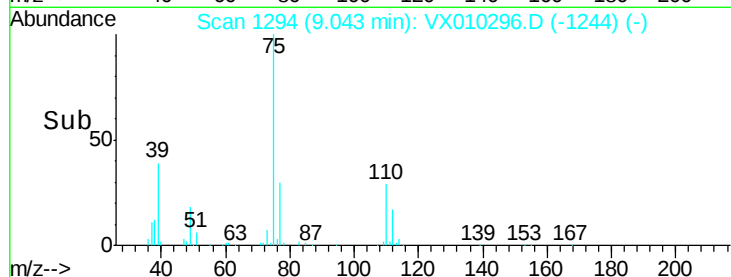
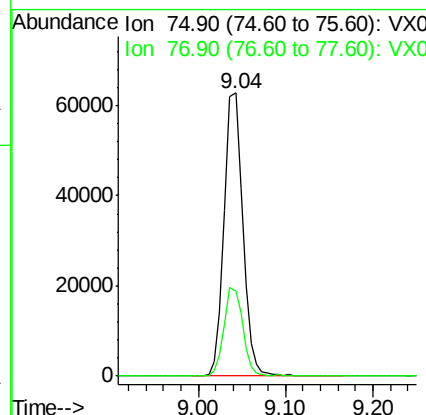
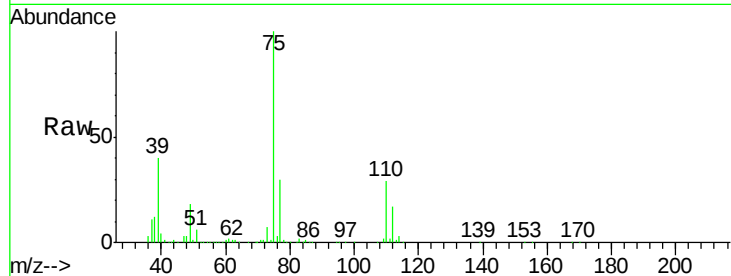
#53
t-1,3-Dichloropropene
Concen: 16.736 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010296.D
Acq: 14 Jun 2019 13:32

Instrument :
MSVOA_X
ClientSampleId :
VX0614MBS02

Tot Ion: 75 Resp: 93215
Ion Ratio Lower Upper
75 100
77 30.0 24.6 36.8

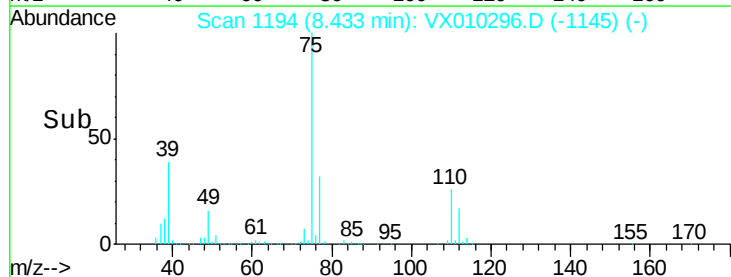
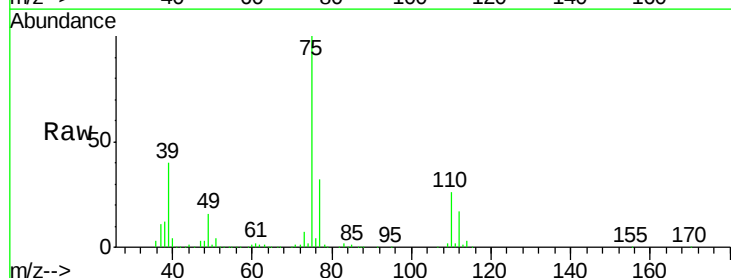
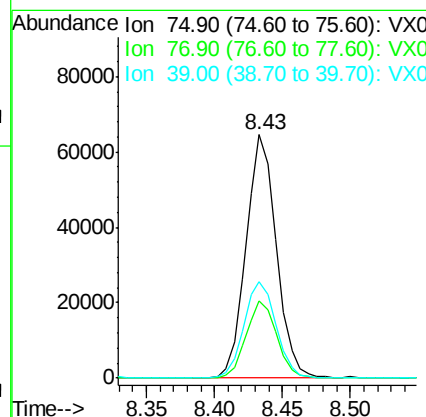
Manual Integrations
APPROVED

MMDadoda
6/17/2019 10:36:07 AM



#54
cis-1,3-Dichloropropene
Concen: 16.887 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX010296.D
Acq: 14 Jun 2019 13:32

Tgt Ion: 75 Resp: 100830
Ion Ratio Lower Upper
75 100
77 31.5 24.8 37.2
39 39.4 43.4 65.0#





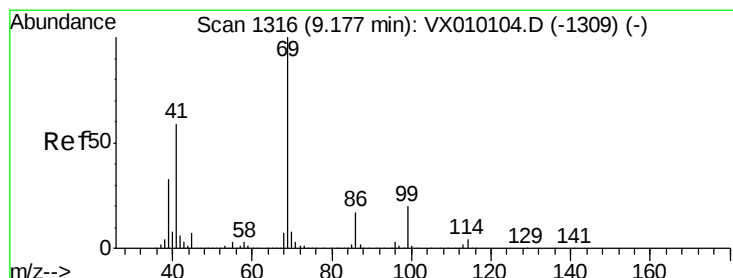
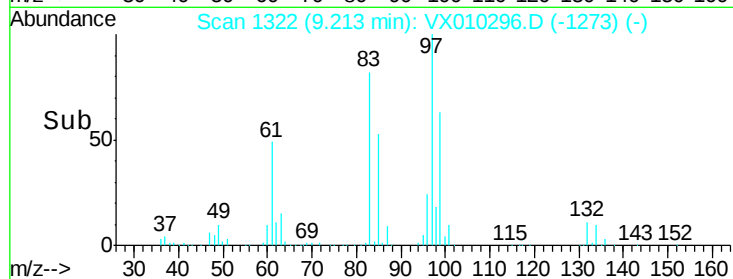
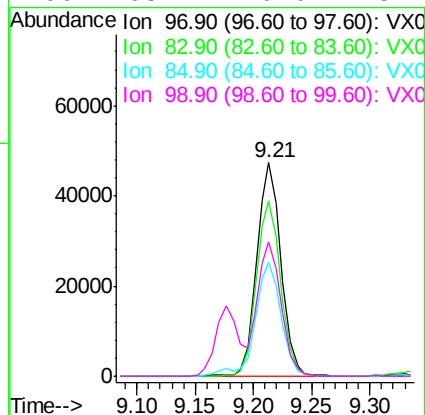
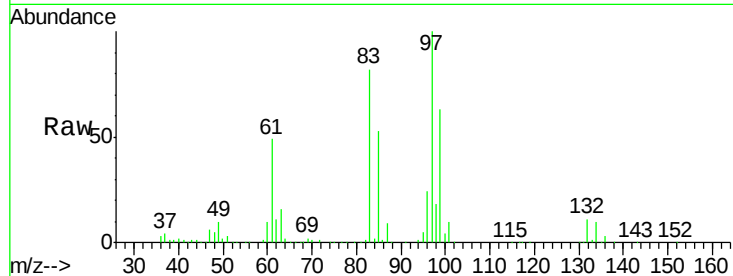
#55
 1,1,2-Trichloroethane
 Concen: 18.481 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010296.D
 Acq: 14 Jun 2019 13:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614MBS02

Tot Ion:	97	Resp:	68375
Ion Ratio	Lower	Upper	
97	100		
83	82.4	69.8	104.8
85	53.4	45.3	67.9
99	63.2	49.0	73.4

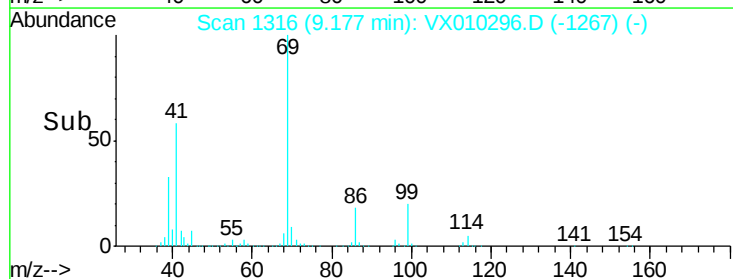
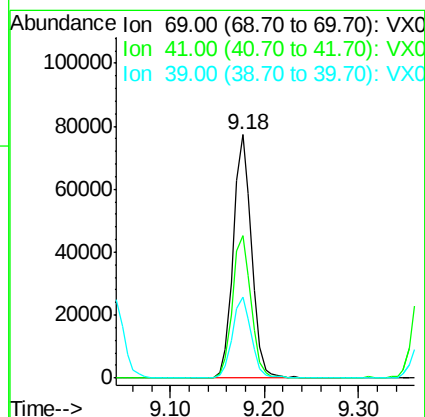
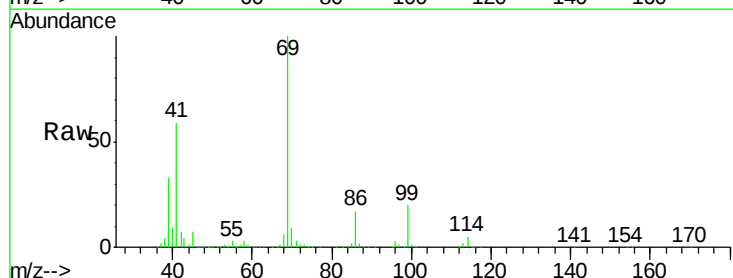
Manual Integrations
 APPROVED

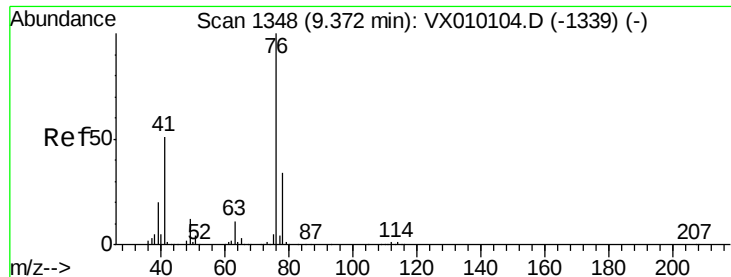
MMDadoda
 6/17/2019 10:36:07 AM



#56
 Ethyl methacrylate
 Concen: 17.837 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX010296.D
 Acq: 14 Jun 2019 13:32

Tgt Ion:	69	Resp:	104246
Ion Ratio	Lower	Upper	
69	100		
41	58.9	62.7	94.1#
39	33.6	29.5	44.3





#57

1,3-Dichloropropane

Concen: 17.978 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Instrument :

MSVOA_X

ClientSampled :

VX0614MBS02

Tot Ion: 76 Resp: 104713

Ion Ratio Lower Upper

76 100

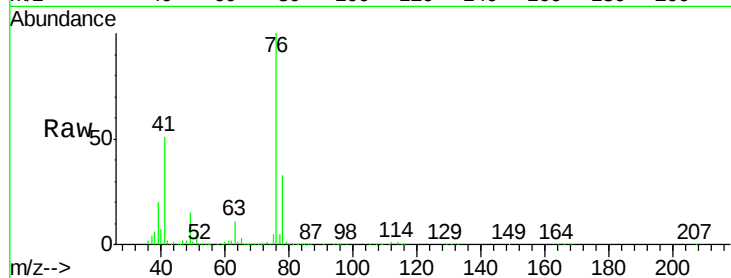
78 33.3 25.4 38.0

Manual Integrations

APPROVED

MMDadoda

6/17/2019 10:36:07 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

80000

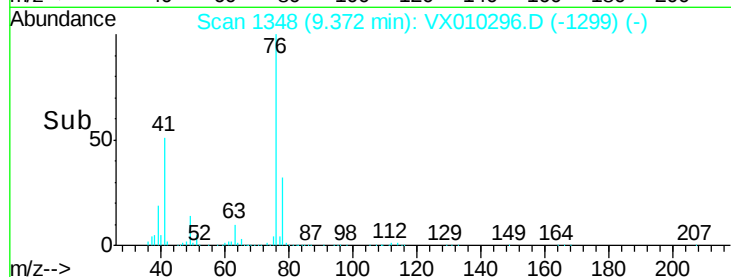
60000

40000

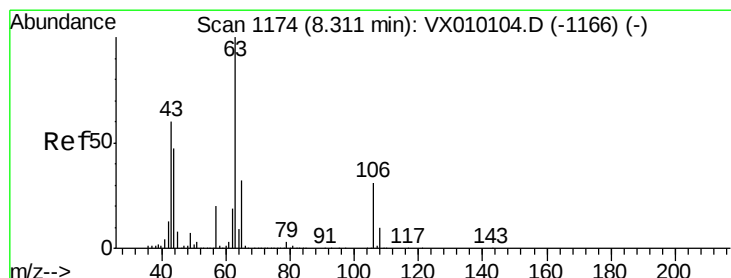
20000

0

Time-->



9.30 9.40 9.50



#58

2-Chloroethyl Vinyl ether

Concen: 76.394 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX010296.D

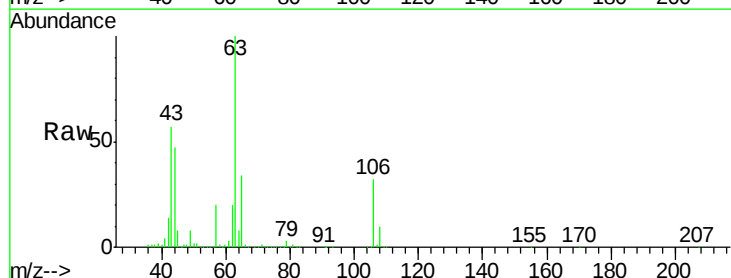
Acq: 14 Jun 2019 13:32

Tgt Ion: 63 Resp: 210474

Ion Ratio Lower Upper

63 100

106 31.2 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

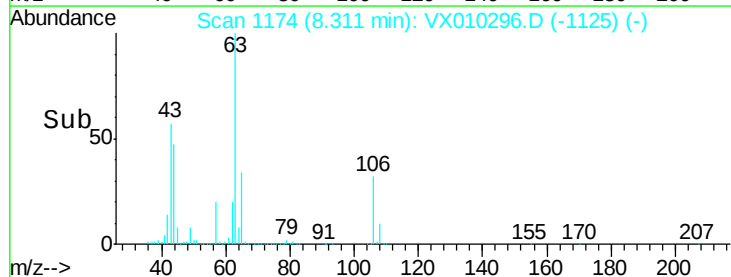
150000

100000

50000

0

Time-->



8.20 8.30 8.40



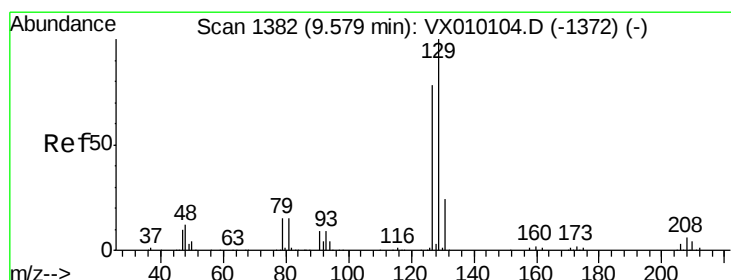
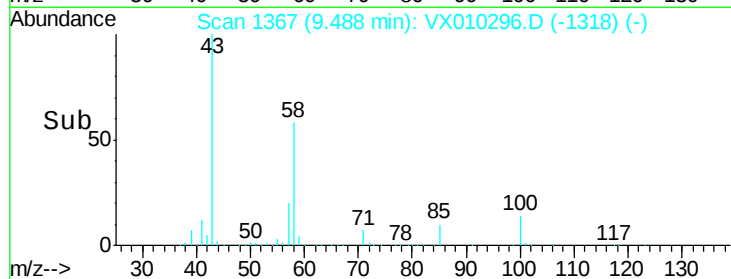
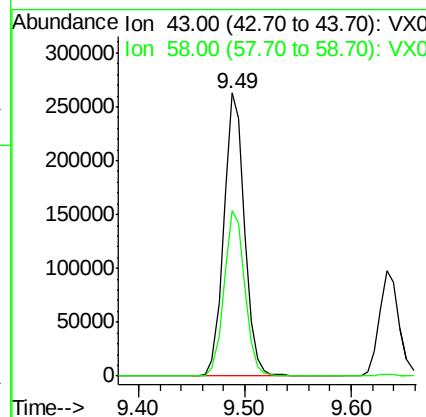
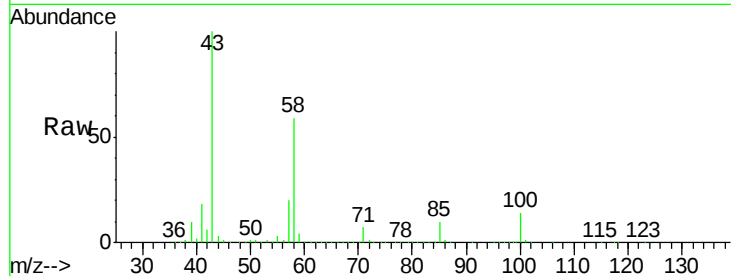
#59
2-Hexanone
Concen: 96.246 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010296.D
Acq: 14 Jun 2019 13:32

Instrument :
MSVOA_X
ClientSampleId :
VX0614MBS02

Tot Ion: 43 Resp: 354444
Ion Ratio Lower Upper
43 100
58 59.0 25.1 75.3

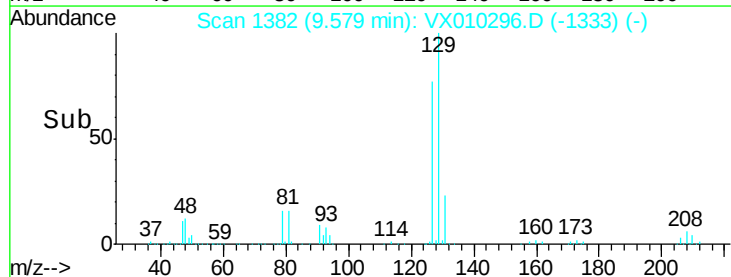
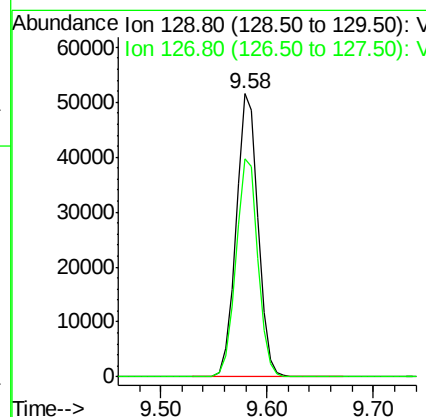
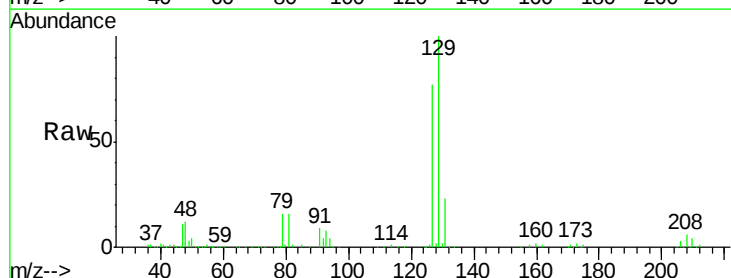
Manual Integrations
APPROVED

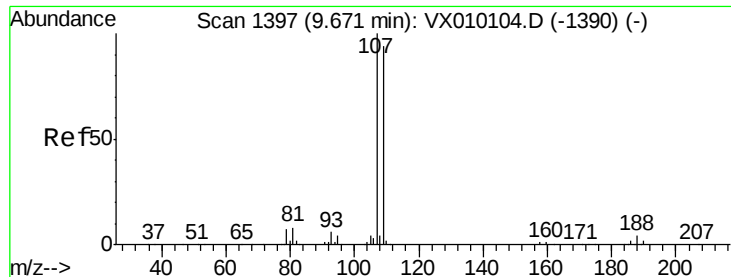
MMDadoda
6/17/2019 10:36:07 AM



#60
Dibromochloromethane
Concen: 16.992 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010296.D
Acq: 14 Jun 2019 13:32

Tgt Ion: 129 Resp: 74361
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5





#61

1,2-Dibromoethane

Concen: 17.715 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Instrument :

MSVOA_X

ClientSampleId :

VX0614MBS02

Tot Ion: 107 Resp: 72995

Ion Ratio Lower Upper

107 100

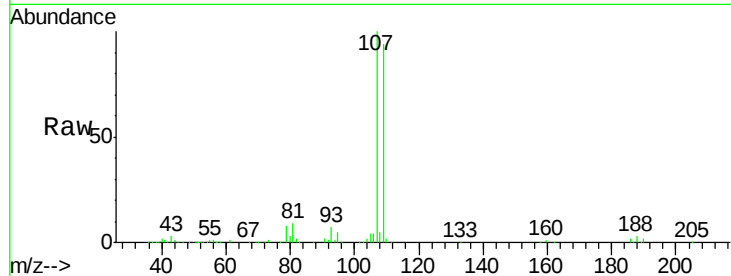
109 93.8 75.4 113.2

Manual Integrations

APPROVED

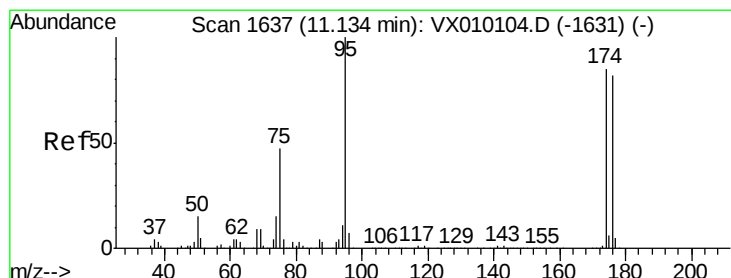
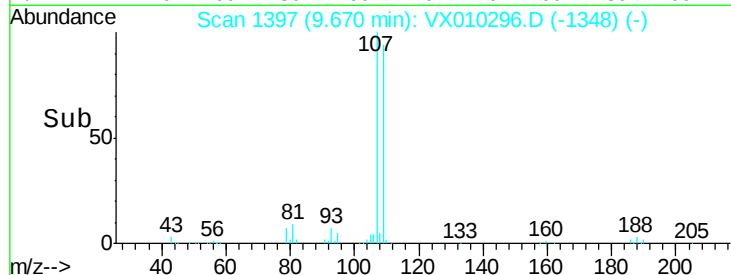
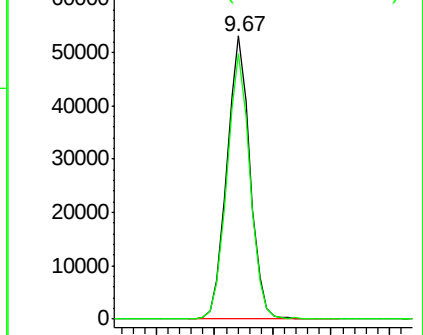
MMDadoda

6/17/2019 10:36:07 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.469 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

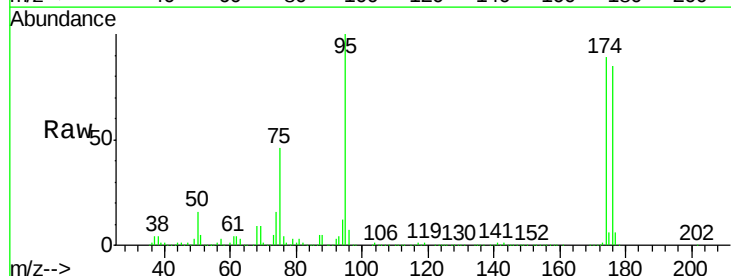
Tgt Ion: 95 Resp: 232659

Ion Ratio Lower Upper

95 100

174 93.5 0.0 160.4

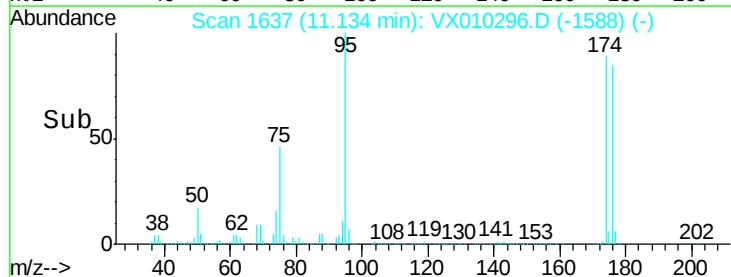
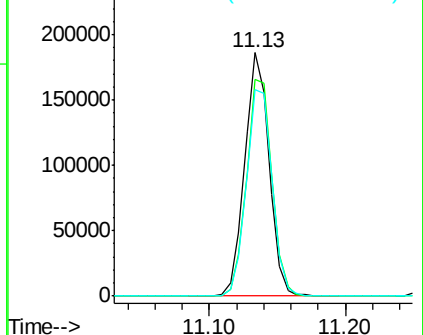
176 90.3 0.0 154.6

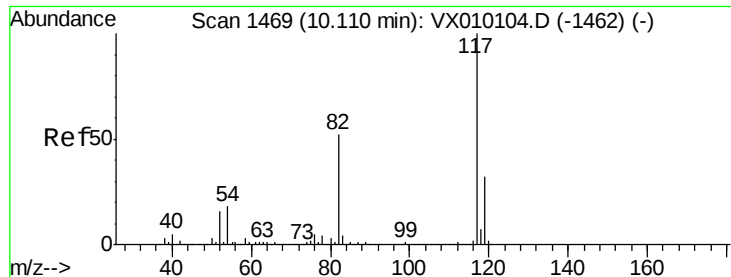


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Instrument :

MSVOA_X

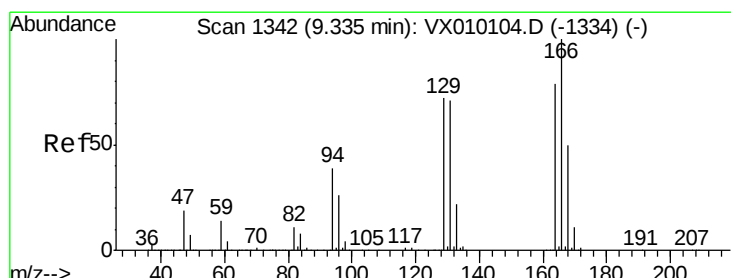
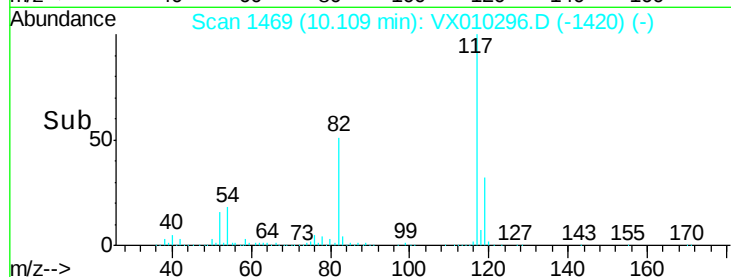
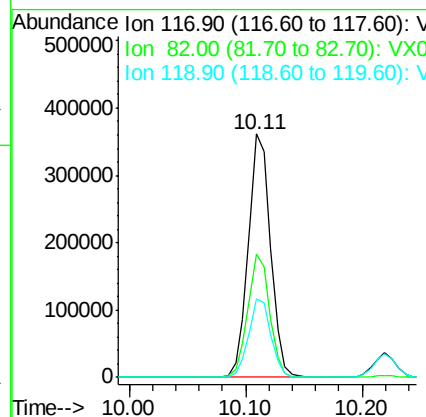
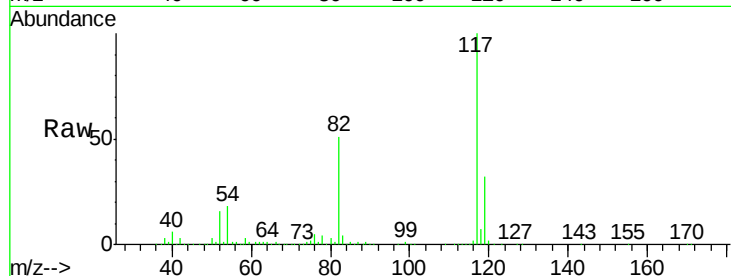
ClientSampleId :

VX0614MBS02

Tot Ion:	117	Resp:	483368
Ion Ratio	Lower	Upper	
117	100		
82	50.7	49.2	73.8
119	32.1	25.2	37.8

Manual Integrations
APPROVED

MMDadoda
6/17/2019 10:36:07 AM



#64

Tetrachloroethene

Concen: 19.615 ug/l

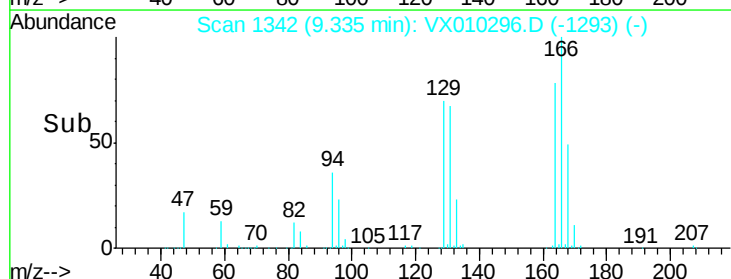
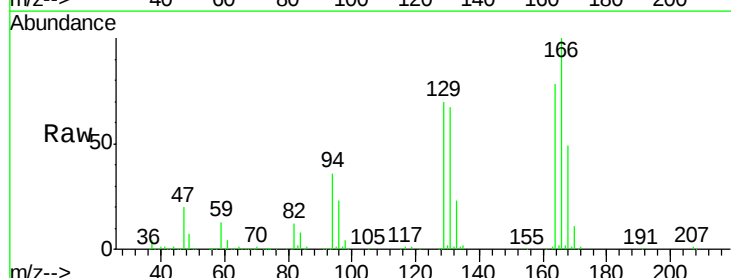
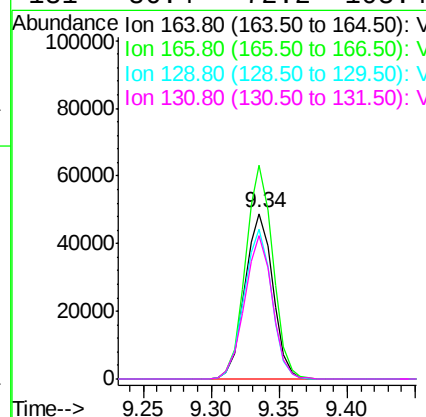
RT: 9.34 min Scan# 1342

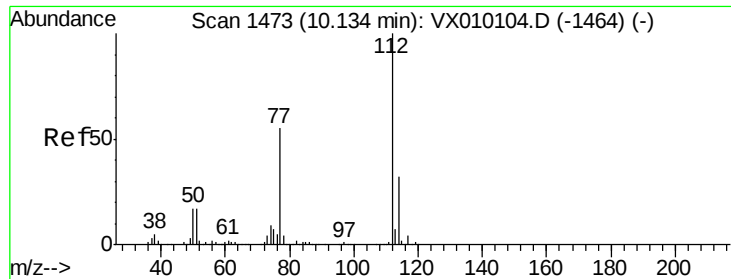
Delta R.T. -0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Tgt Ion:	164	Resp:	70419
Ion Ratio	Lower	Upper	
164	100		
166	128.9	105.0	157.4
129	90.5	75.1	112.7
131	86.4	72.2	108.4





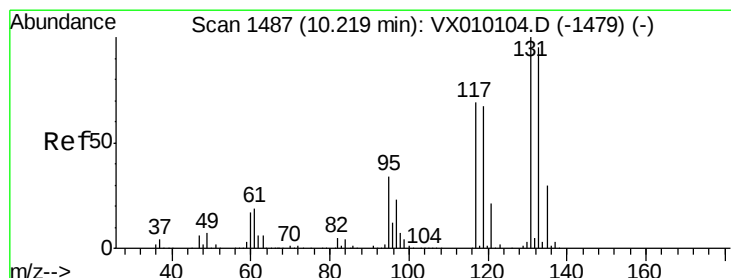
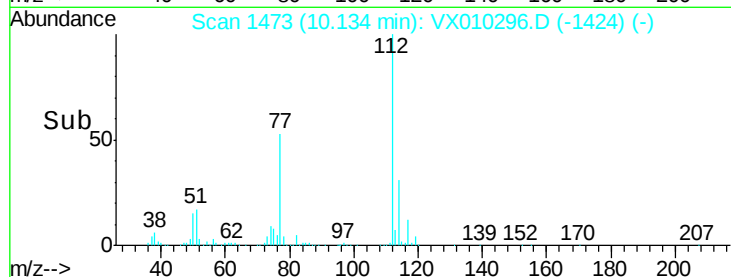
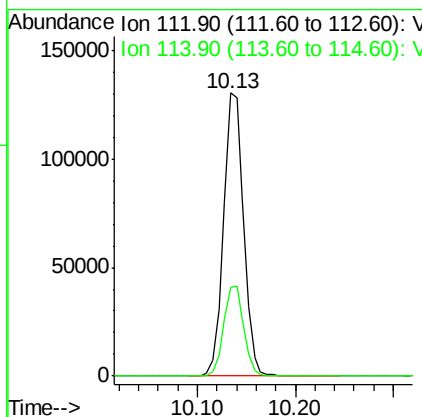
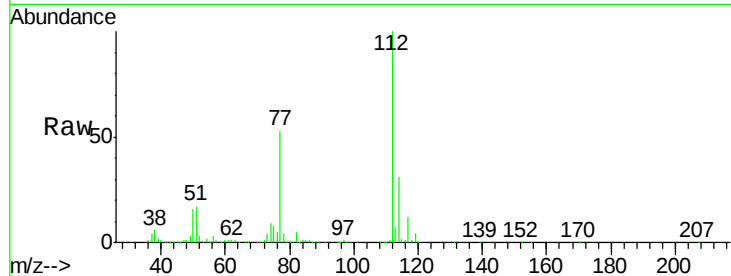
#65
Chlorobenzene
Concen: 18.506 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX010296.D
Acq: 14 Jun 2019 13:32

Instrument :
MSVOA_X
ClientSampled :
VX0614MBS02

Tot Ion:112 Resp: 184626
Ion Ratio Lower Upper
112 100
114 31.3 25.8 38.8

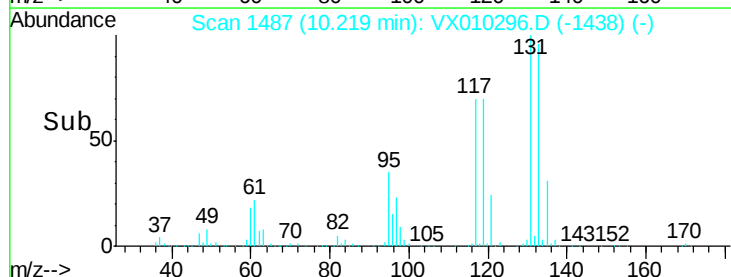
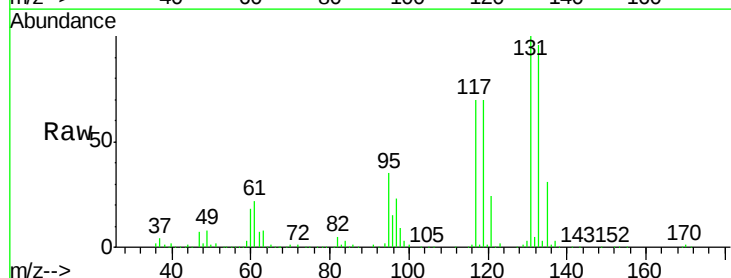
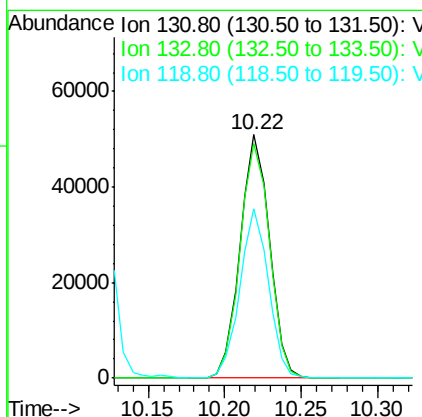
Manual Integrations
APPROVED

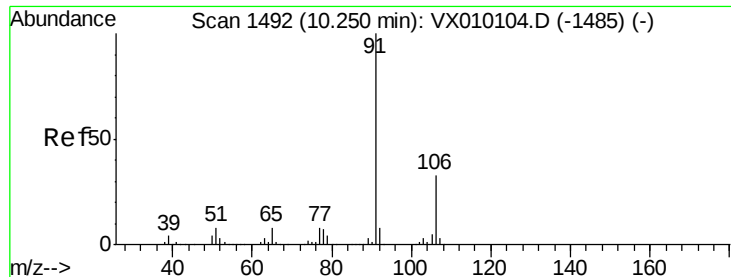
MMDadoda
6/17/2019 10:36:07 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 17.756 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX010296.D
Acq: 14 Jun 2019 13:32

Tgt Ion:131 Resp: 68123
Ion Ratio Lower Upper
131 100
133 97.2 47.5 142.6
119 67.8 33.4 100.1





#67

Ethyl Benzene

Concen: 18.385 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Instrument :

MSVOA_X

ClientSampleId :

VX0614MBS02

Tot Ion: 91 Resp: 312239

Ion Ratio Lower Upper

91 100

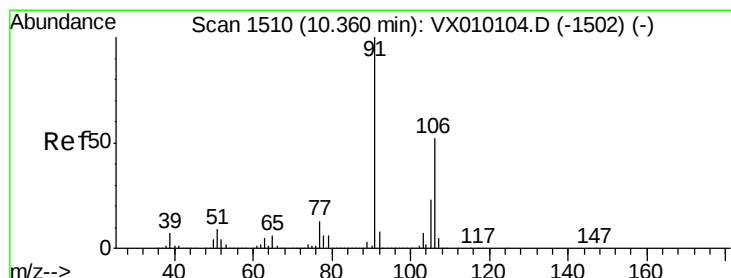
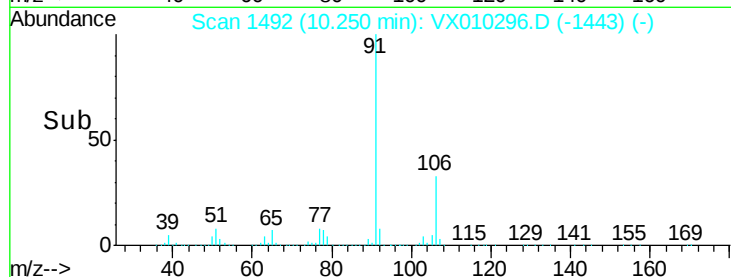
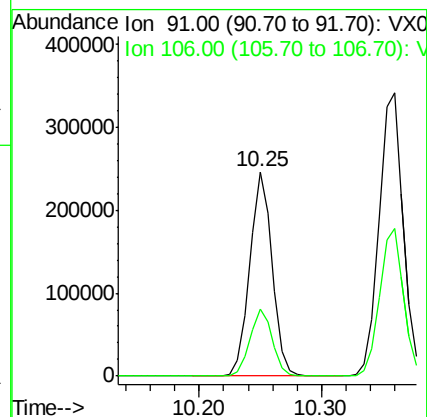
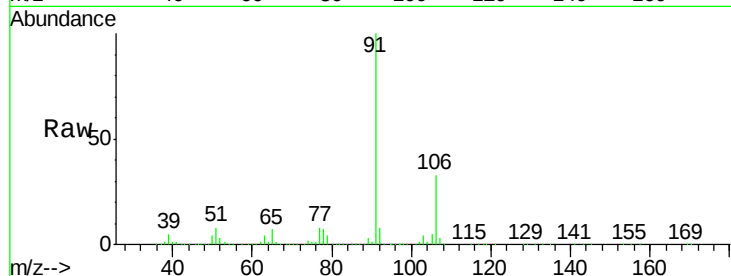
106 32.7 23.9 35.9

Manual Integrations

APPROVED

MMDadoda

6/17/2019 10:36:07 AM



#68

m/p-Xylenes

Concen: 36.955 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX010296.D

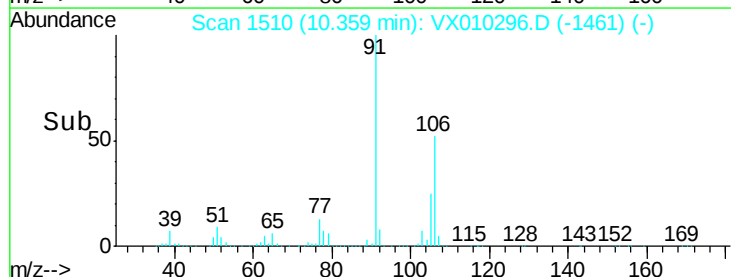
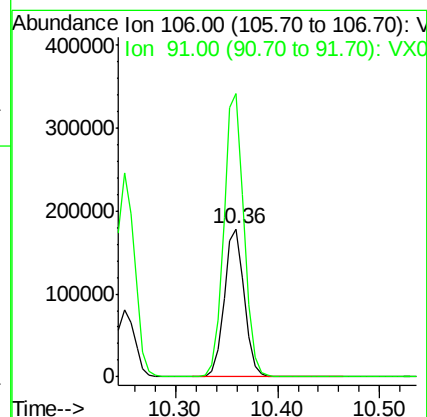
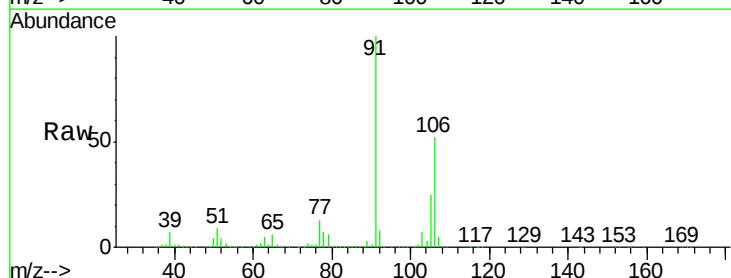
Acq: 14 Jun 2019 13:32

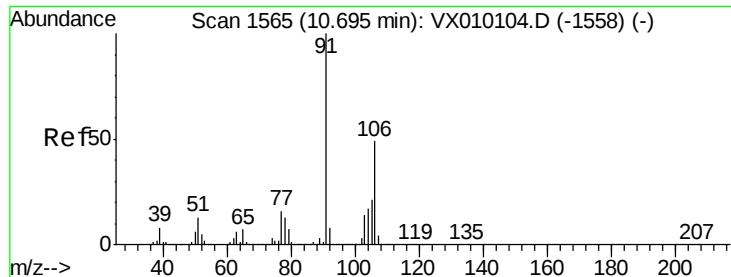
Tgt Ion: 106 Resp: 242866

Ion Ratio Lower Upper

106 100

91 193.3 167.3 250.9





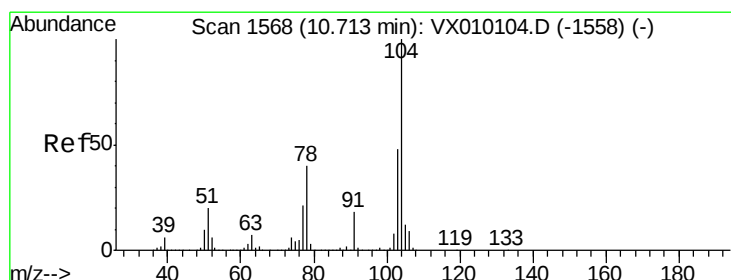
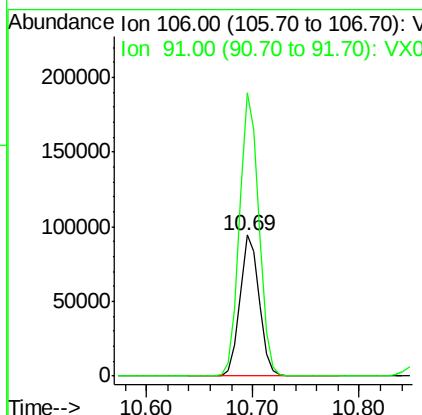
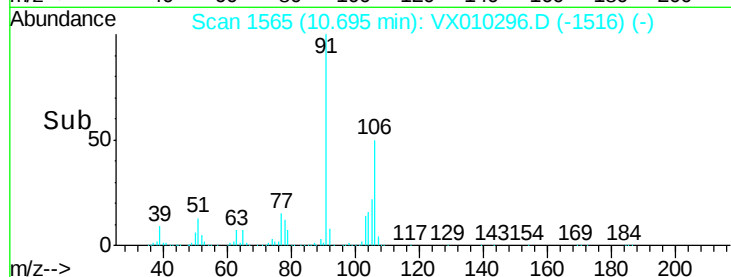
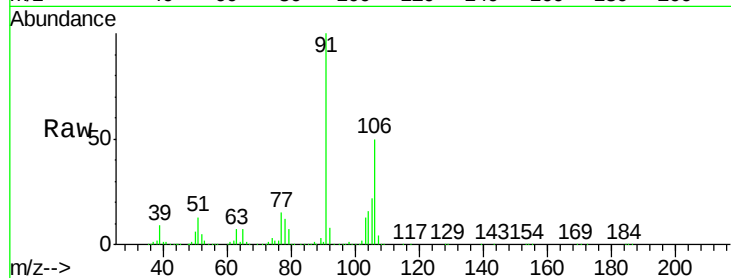
#69
o-Xylene
Concen: 18.420 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010296.D
Acq: 14 Jun 2019 13:32

Instrument :
MSVOA_X
ClientSampled :
VX0614MBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	120337		
91	91	202.2		110.4	331.2

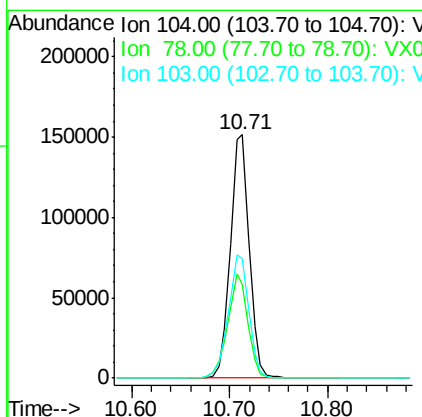
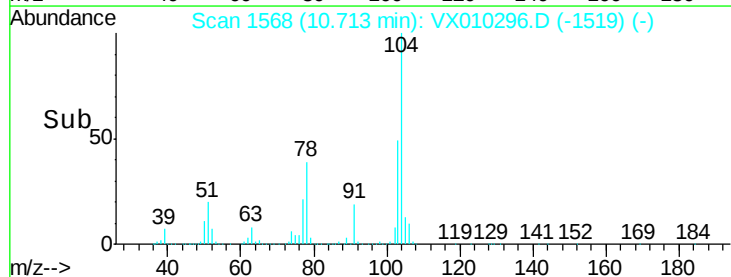
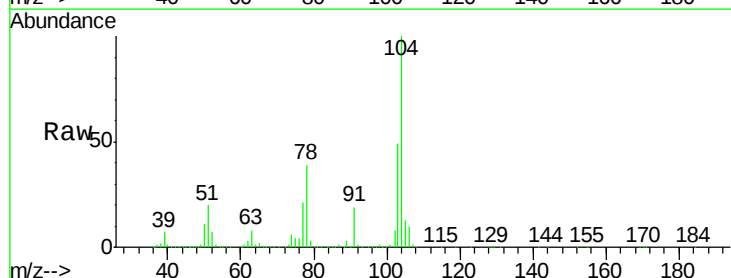
Manual Integrations
APPROVED

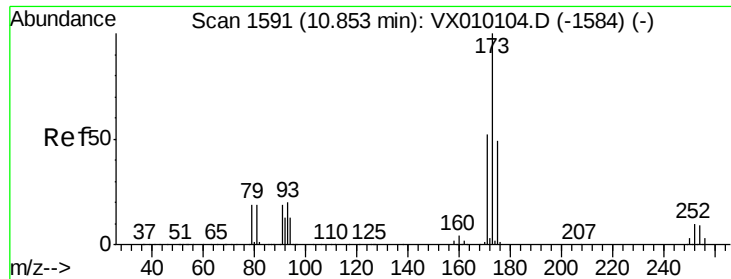
MMDadoda
6/17/2019 10:36:07 AM



#70
Styrene
Concen: 18.375 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX010296.D
Acq: 14 Jun 2019 13:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	203312		
78	78	45.7		42.1	63.1
103	103	55.1		44.1	66.1





#71

Bromoform

Concen: 16.777 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Instrument :

MSVOA_X

ClientSampleId :

VX0614MBS02

Tot Ion:173 Resp: 59171

Ion Ratio Lower Upper

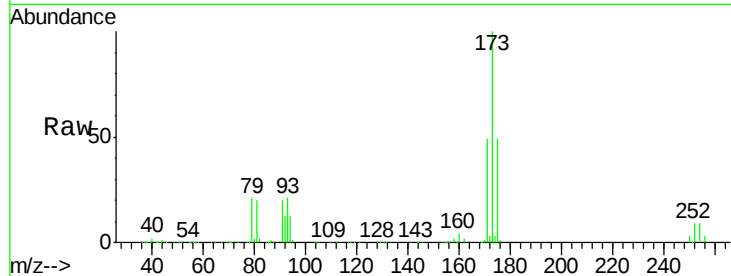
173 100

175 49.6 25.0 75.0

254 0.1 0.2 0.2#

Manual Integrations
APPROVED

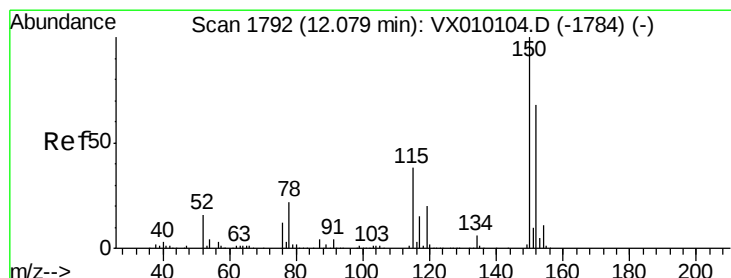
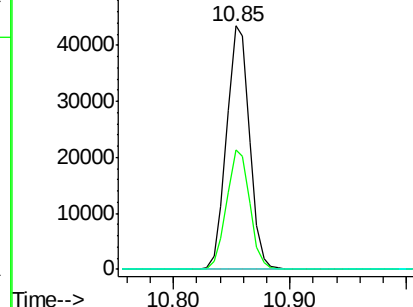
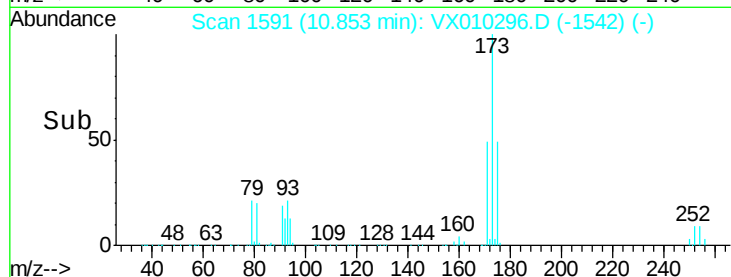
MMDadoda
6/17/2019 10:36:07 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

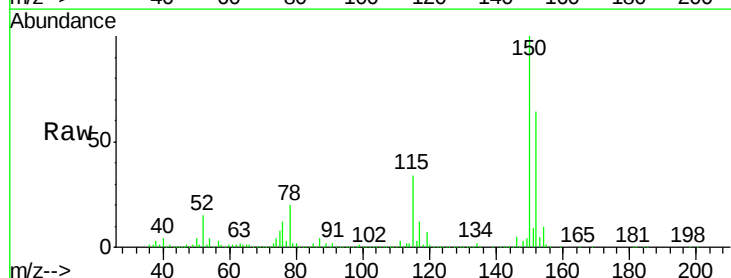
Tgt Ion:152 Resp: 254629

Ion Ratio Lower Upper

152 100

115 62.9 41.4 124.2

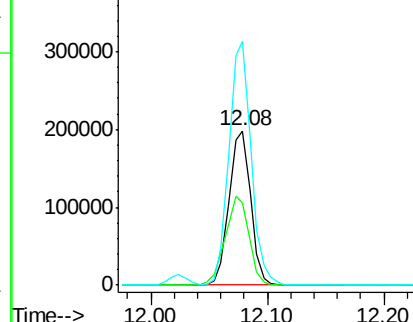
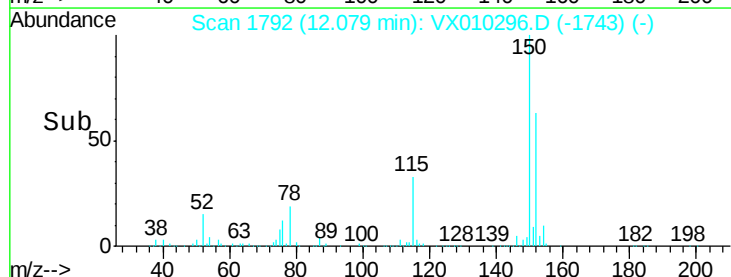
150 161.8 0.0 345.2

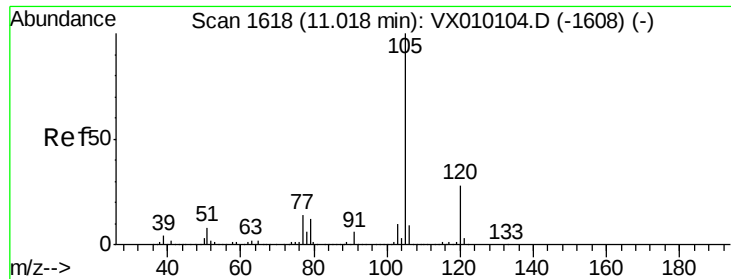


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.696 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Instrument :

MSVOA_X

ClientSampleId :

VX0614MBS02

Tot Ion: 105 Resp: 314537

Ion Ratio Lower Upper

105 100

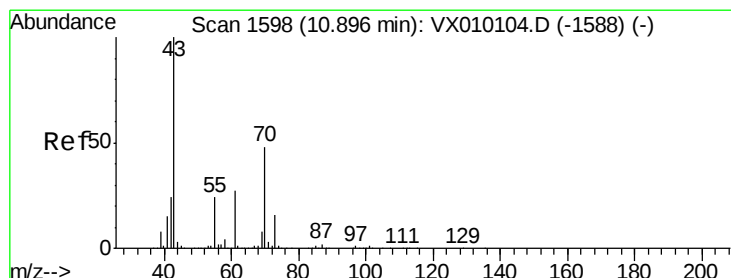
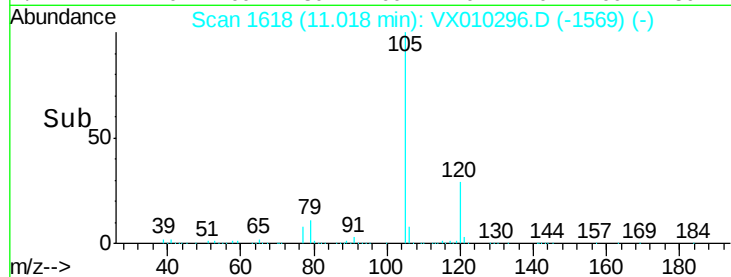
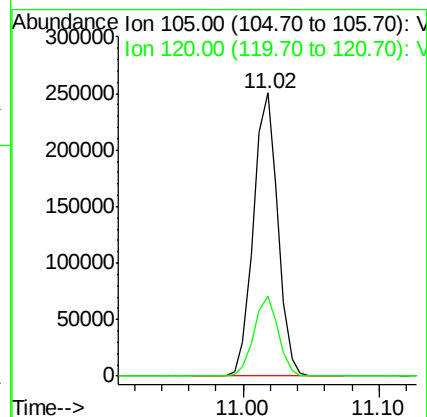
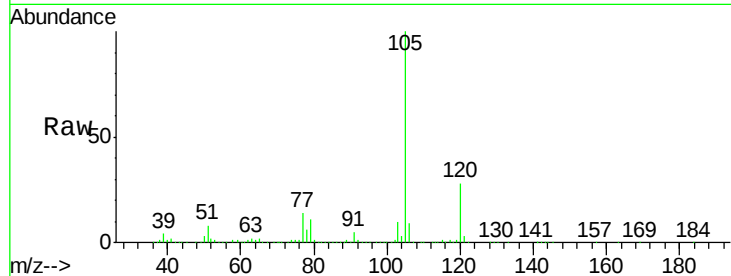
120 28.1 12.8 38.4

Manual Integrations

APPROVED

MMDadoda

6/17/2019 10:36:07 AM



#74

N-ethyl acetate

Concen: 17.883 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Tgt Ion: 43 Resp: 125652

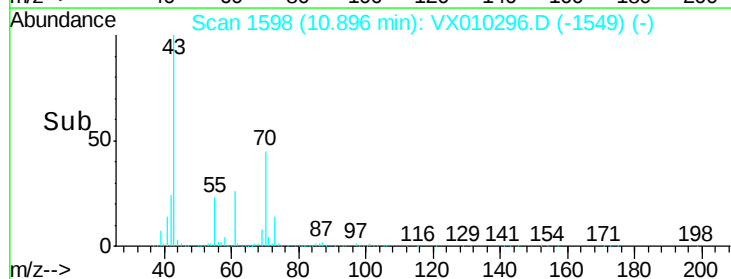
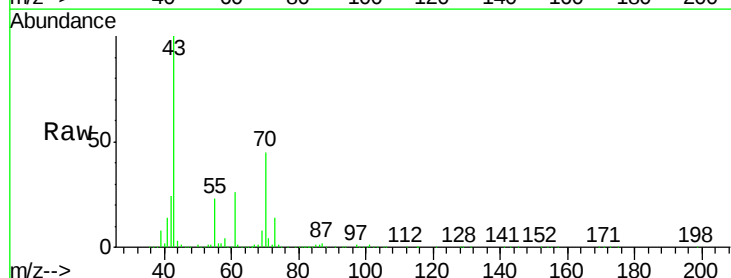
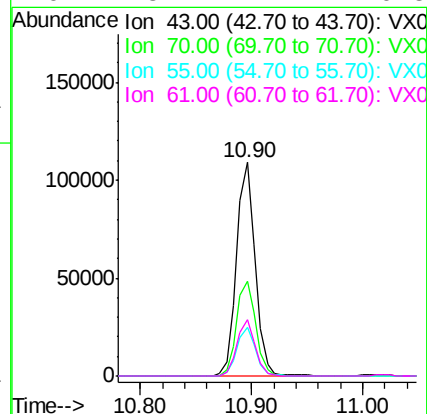
Ion Ratio Lower Upper

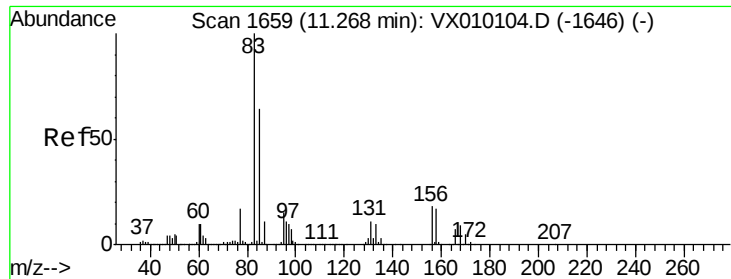
43 100

70 46.2 28.6 43.0#

55 22.9 17.8 26.8

61 25.7 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 17.420 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Instrument :

MSVOA_X

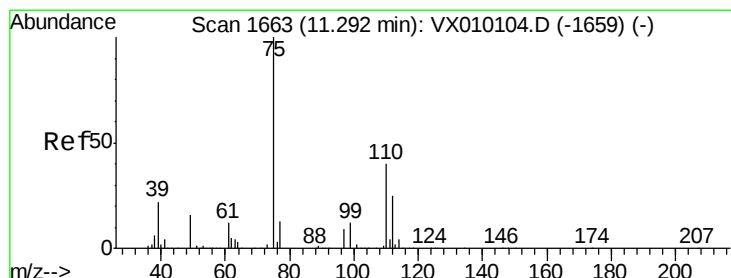
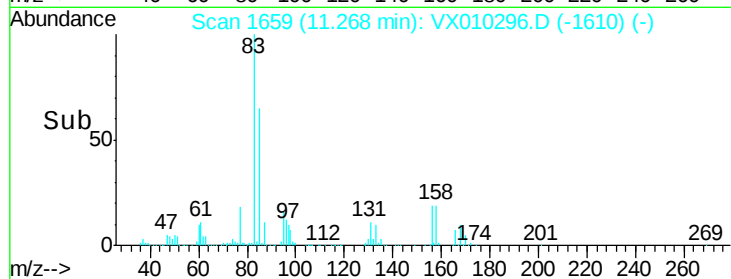
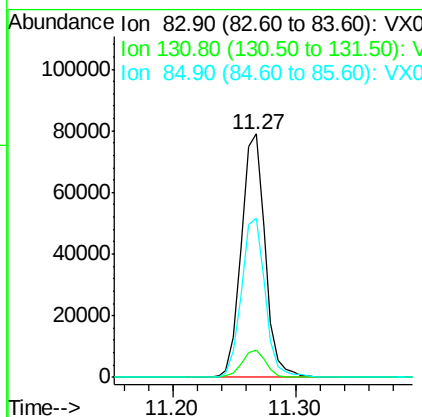
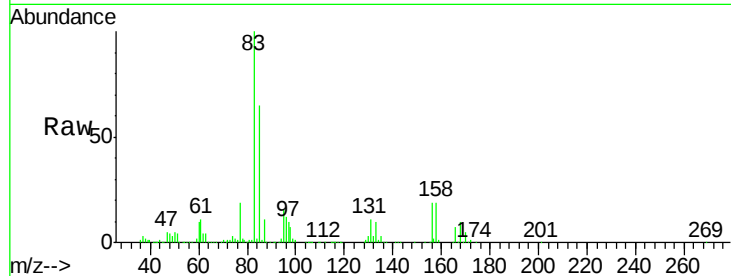
ClientSampleId :

VX0614MBS02

Tot Ion:	83	Resp:	105989
Ion Ratio	Lower	Upper	
83	100		
131	11.2	4.7	14.1
85	65.2	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
6/17/2019 10:36:07 AM



#76

1,2,3-Trichloropropane

Concen: 17.003 ug/l m

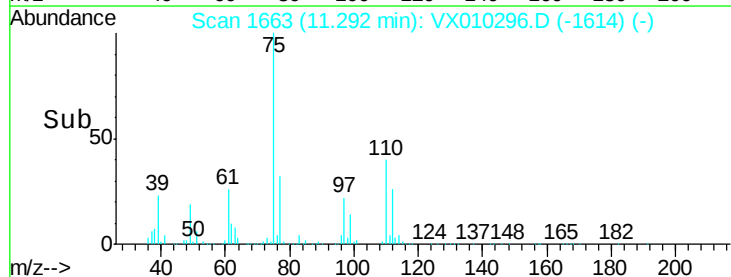
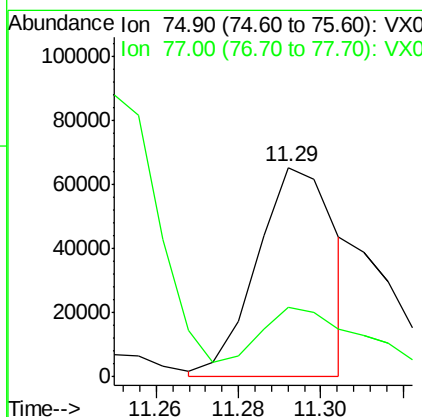
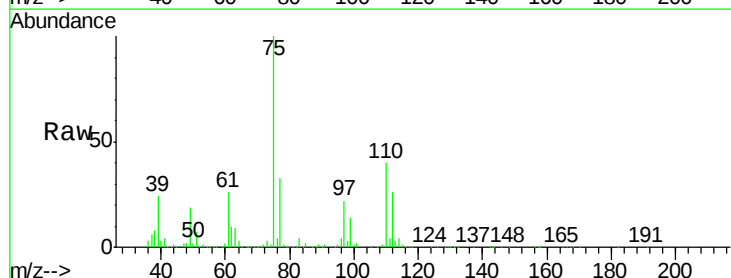
RT: 11.29 min Scan# 1663

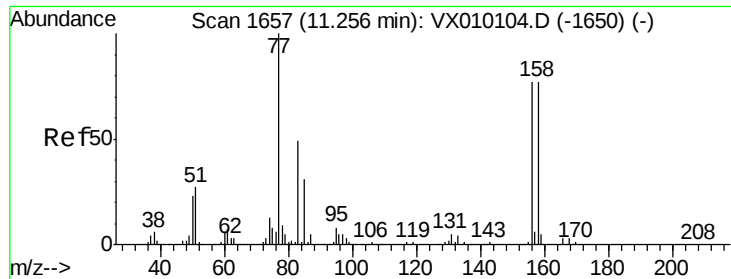
Delta R.T. -0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Tgt Ion:	75	Resp:	86598
Ion Ratio	Lower	Upper	
75	100		
77	45.7	22.1	66.1





#77

Bromobenzene

Concen: 17.847 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Instrument :

MSVOA_X

ClientSampleId :

VX0614MBS02

Tot Ion:156 Resp: 87238

Ion Ratio Lower Upper

156 100

77 131.8 86.8 260.3

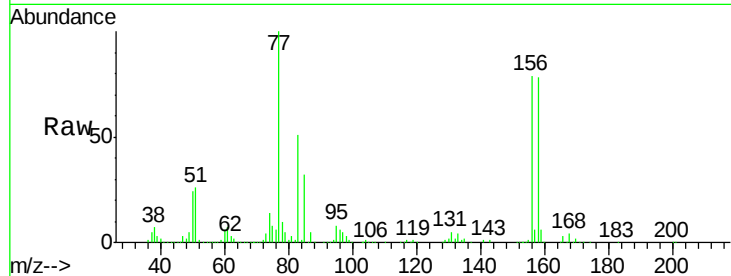
158 97.8 49.6 148.8

Manual Integrations

APPROVED

MMDadoda

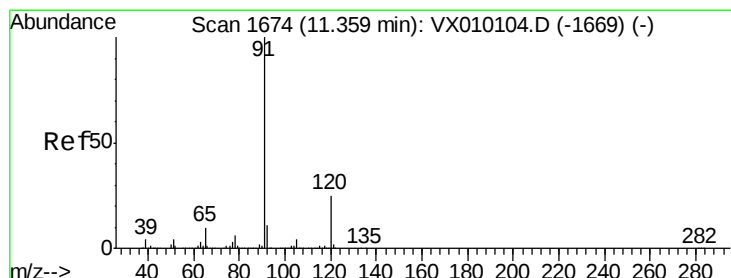
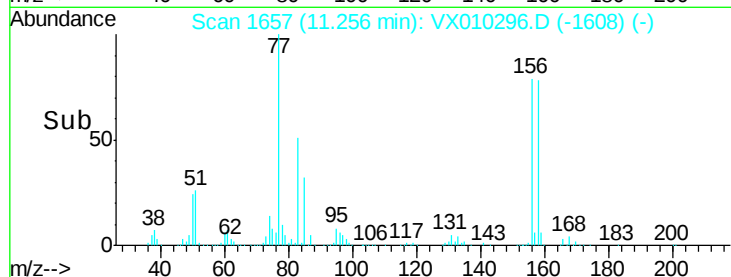
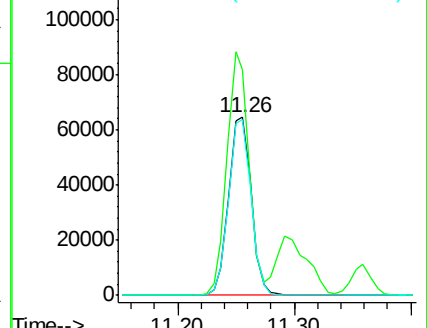
6/17/2019 10:36:07 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.746 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010296.D

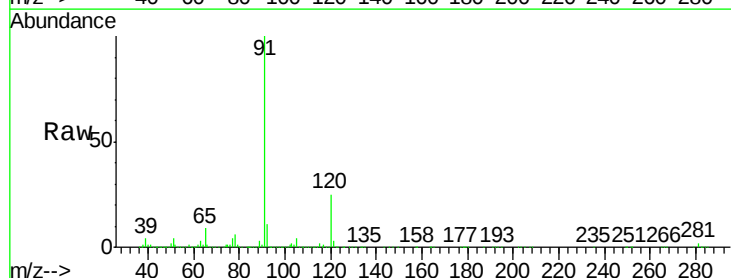
Acq: 14 Jun 2019 13:32

Tgt Ion: 91 Resp: 351171

Ion Ratio Lower Upper

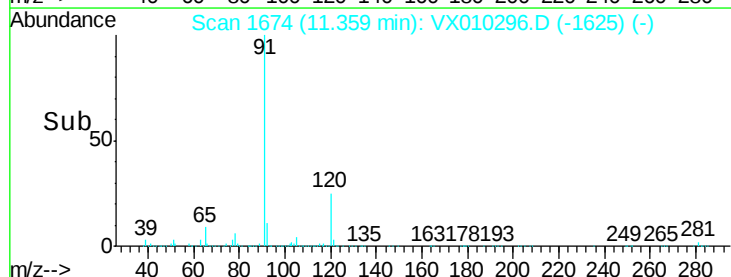
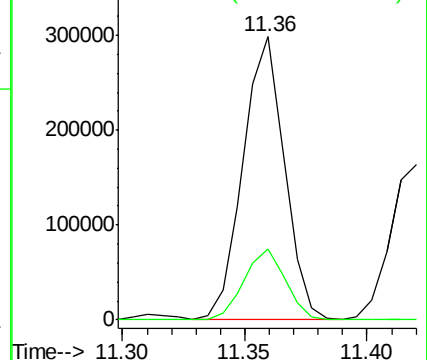
91 100

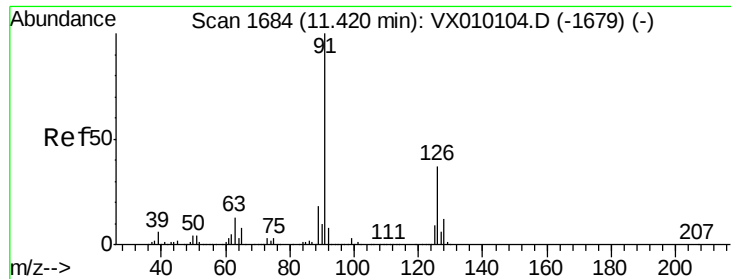
120 25.3 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.502 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Instrument :

MSVOA_X

ClientSampleId :

VX0614MBS02

Tot Ion: 91 Resp: 208009

Ion Ratio Lower Upper

91 100

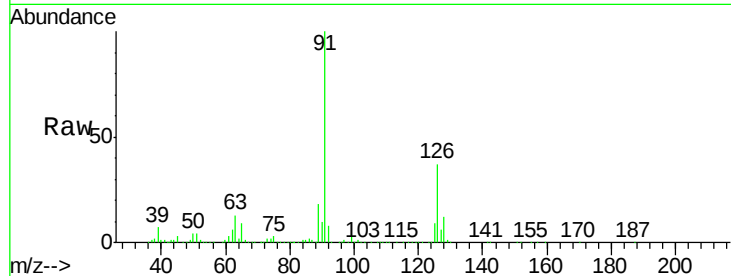
126 37.0 16.1 48.3

Manual Integrations

APPROVED

MMDadoda

6/17/2019 10:36:07 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

300000

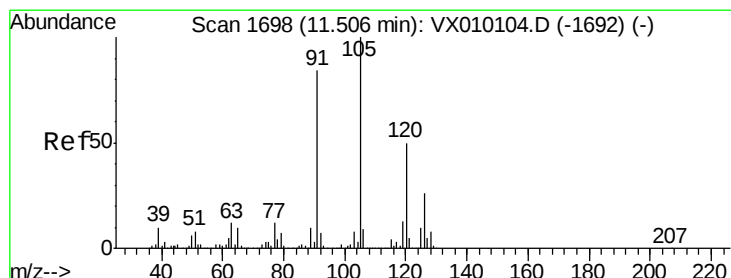
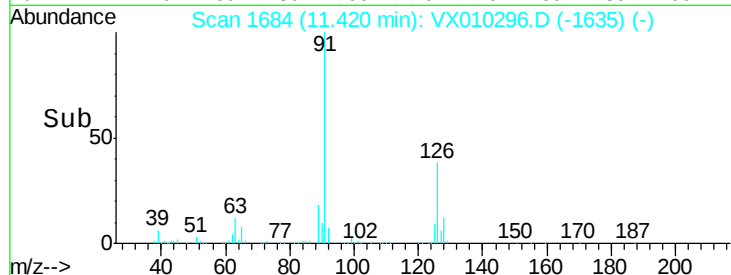
200000

100000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 17.541 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010296.D

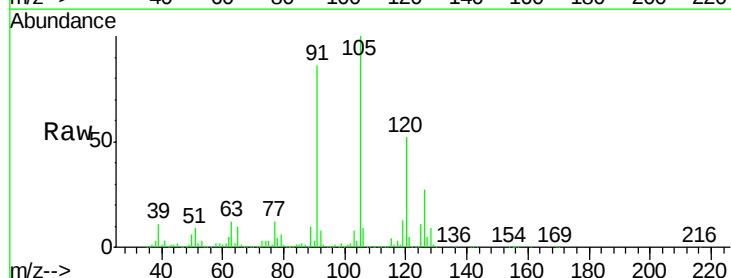
Acq: 14 Jun 2019 13:32

Tgt Ion:105 Resp: 262615

Ion Ratio Lower Upper

105 100

120 50.9 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

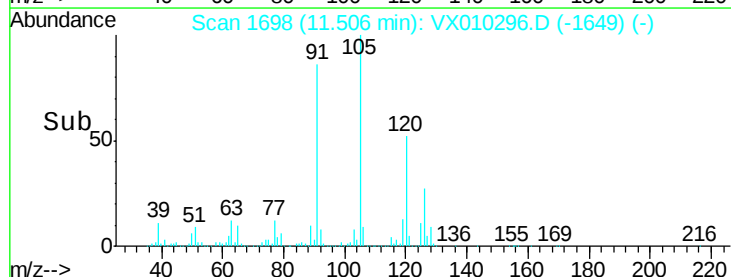
100000

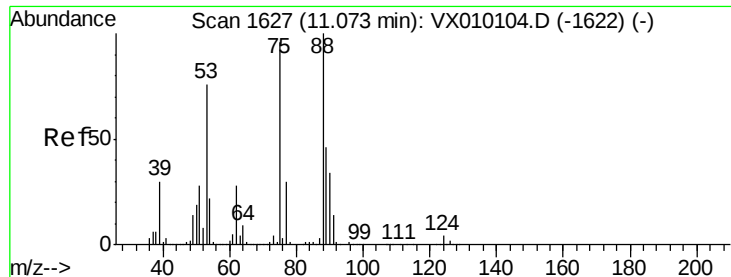
50000

0

11.45 11.50 11.55 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 15.735 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Instrument :

MSVOA_X

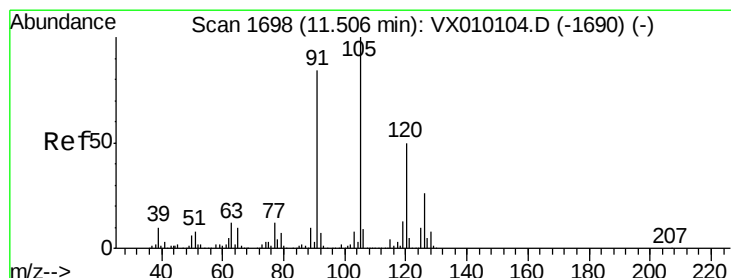
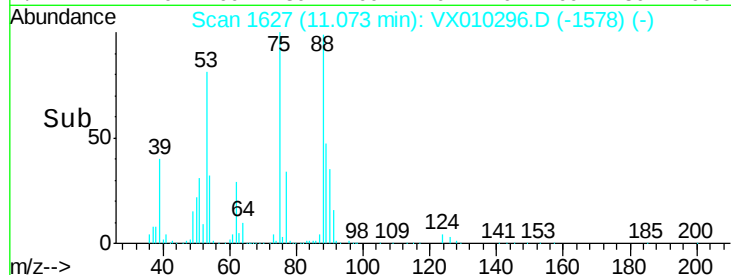
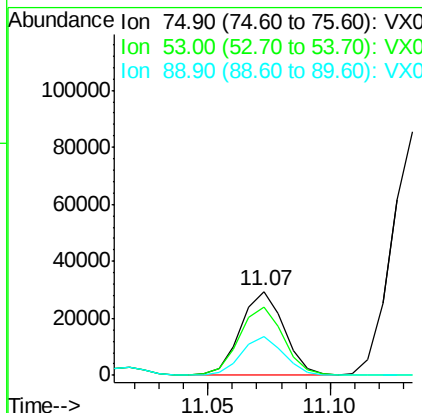
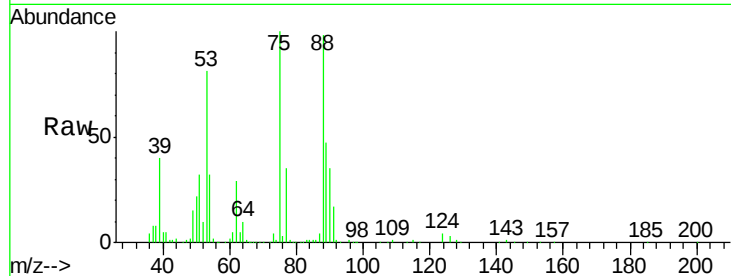
ClientSampleId :

VX0614MBS02

Tot Ion:	75	Resp:	36271
Ion	Ratio	Lower	Upper
75	100		
53	82.2	79.8	119.6
89	46.0	34.2	51.4

Manual Integrations
APPROVED

MMDadoda
6/17/2019 10:36:07 AM



#82

4-Chlorotoluene

Concen: 17.677 ug/l

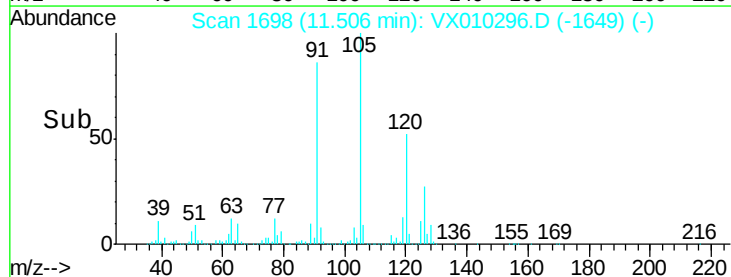
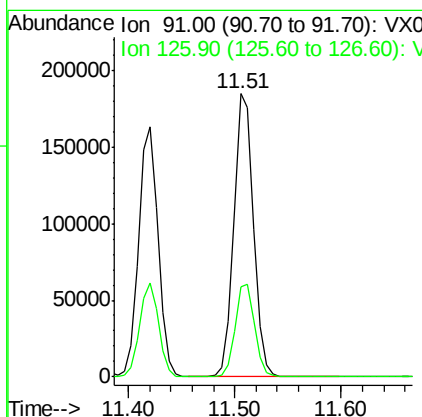
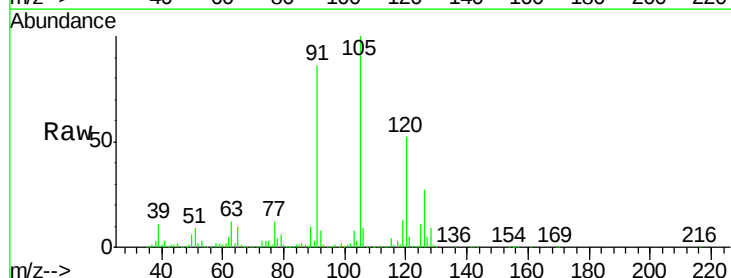
RT: 11.51 min Scan# 1698

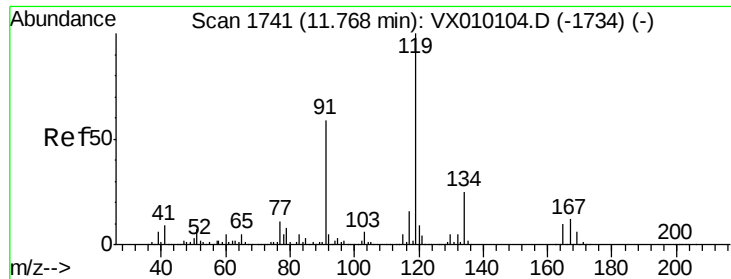
Delta R.T. -0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Tgt Ion:	91	Resp:	238650
Ion	Ratio	Lower	Upper
91	100		
126	32.7	14.2	42.6





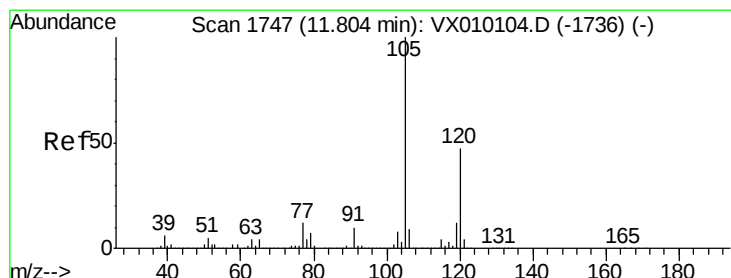
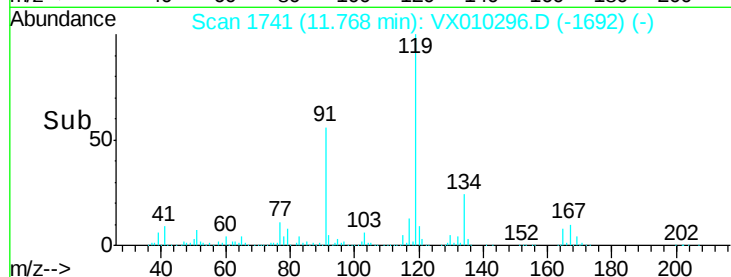
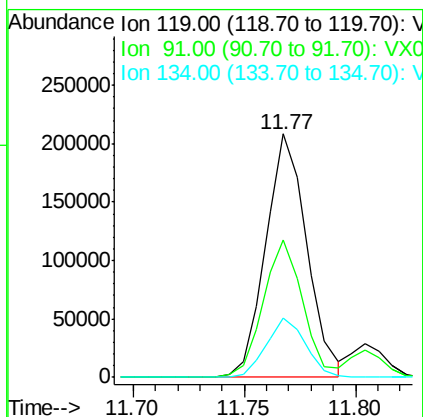
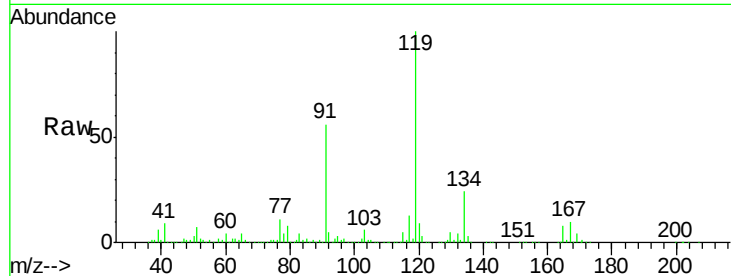
#83
tert-Butylbenzene
Concen: 17.630 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX010296.D
Acq: 14 Jun 2019 13:32

Instrument :
MSVOA_X
ClientSampleId :
VX0614MBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	267152		
91	54.5	30.0	90.0	
134	23.4	11.2	33.5	

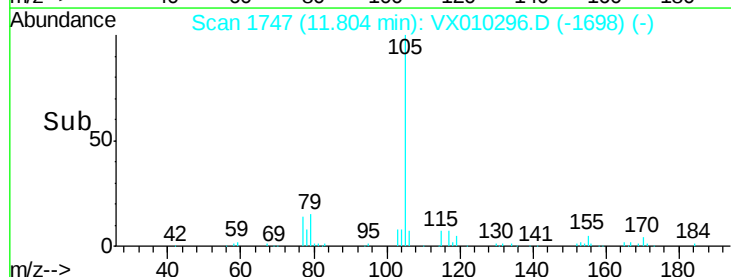
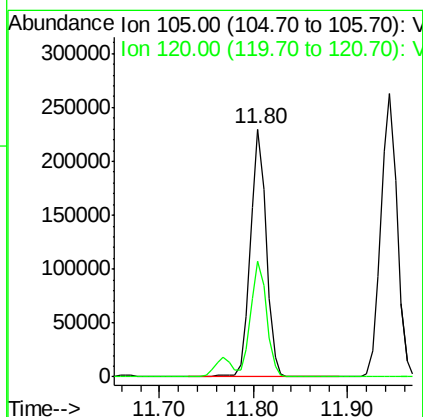
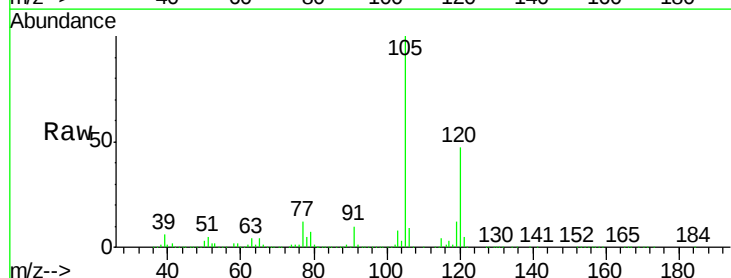
Manual Integrations
APPROVED

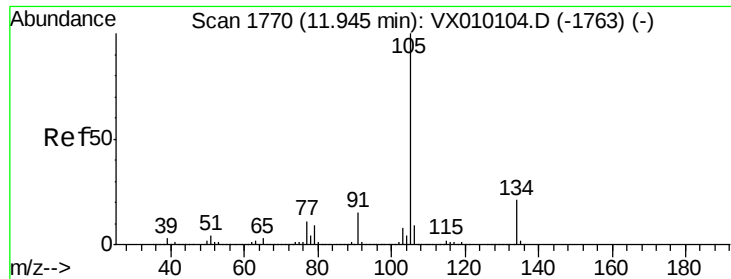
MMDadoda
6/17/2019 10:36:07 AM



#84
1,2,4-Trimethylbenzene
Concen: 17.700 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX010296.D
Acq: 14 Jun 2019 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	267662		
120	46.3	22.1	66.1	





#85

sec-Butylbenzene

Concen: 17.828 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Instrument :

MSVOA_X

ClientSampleId :

VX0614MBS02

Tot Ion:105 Resp: 314726

Ion Ratio Lower Upper

105 100

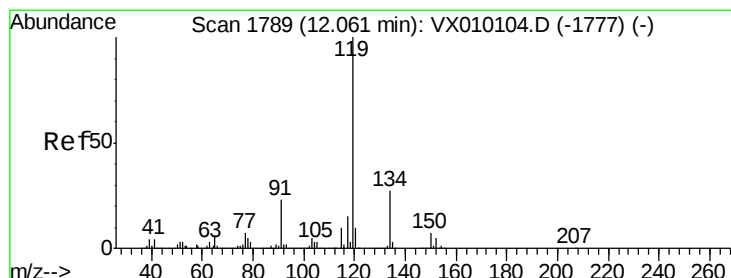
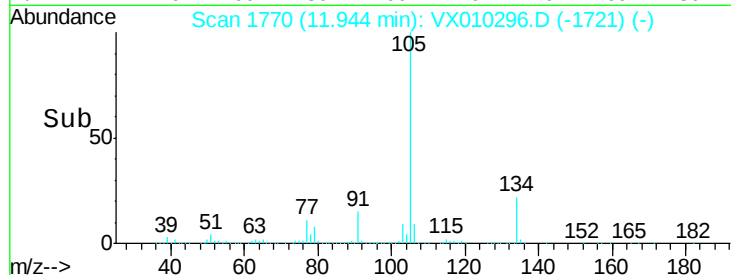
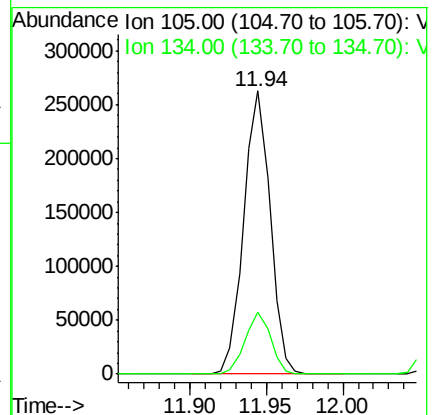
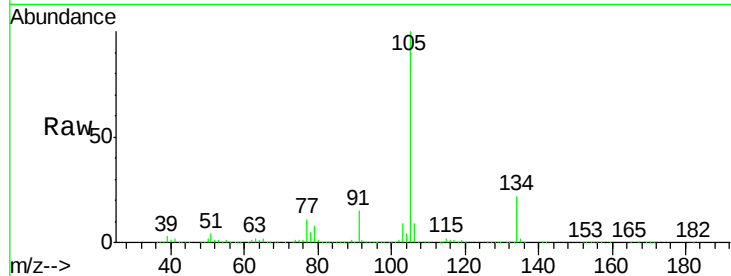
134 21.3 9.7 28.9

Manual Integrations

APPROVED

MMDadoda

6/17/2019 10:36:07 AM



#86

p-Isopropyltoluene

Concen: 18.205 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

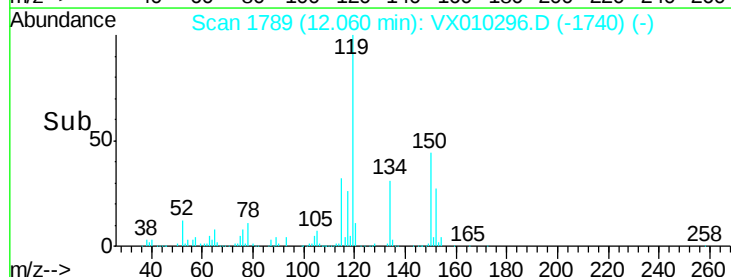
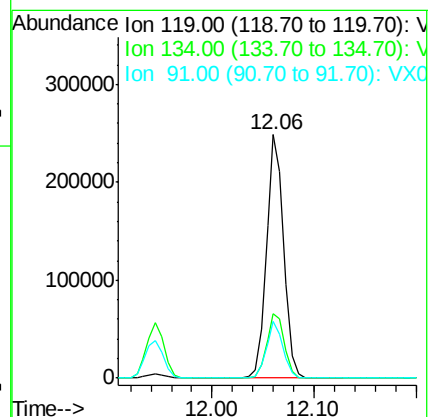
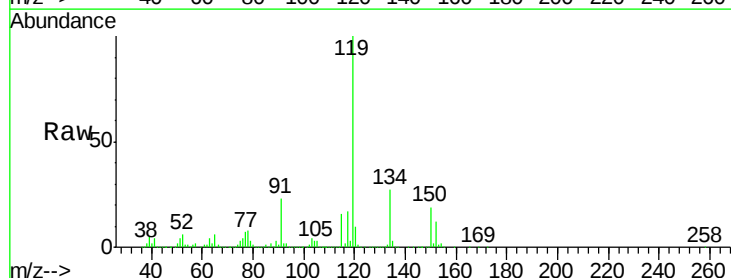
Tgt Ion:119 Resp: 293803

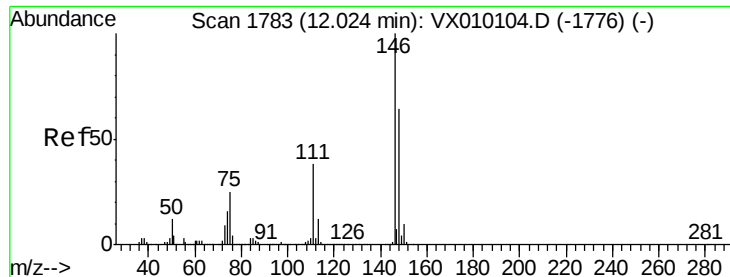
Ion Ratio Lower Upper

119 100

134 27.5 12.9 38.6

91 22.3 11.9 35.9





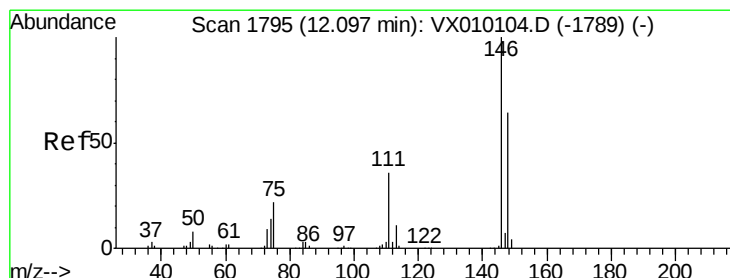
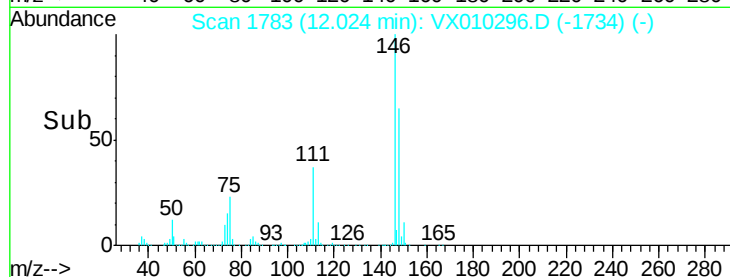
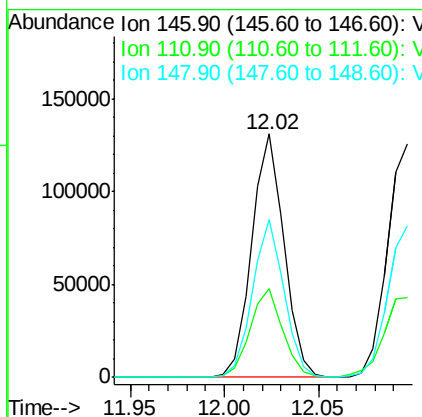
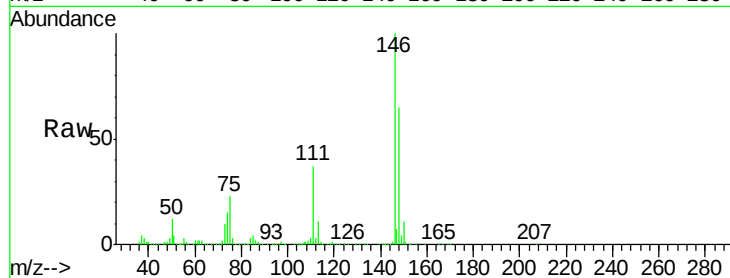
#87
 1,3-Dichlorobenzene
 Concen: 18.095 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010296.D
 Acq: 14 Jun 2019 13:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614MBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	20.1	60.2
148	63.1	31.9	95.5

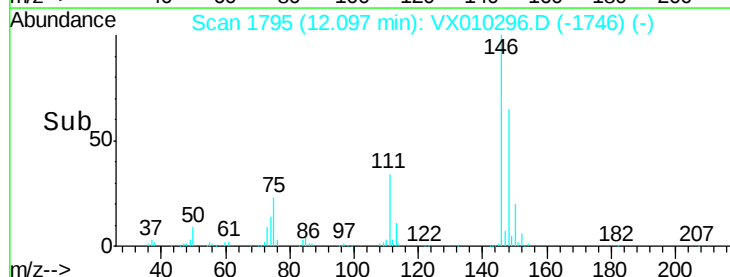
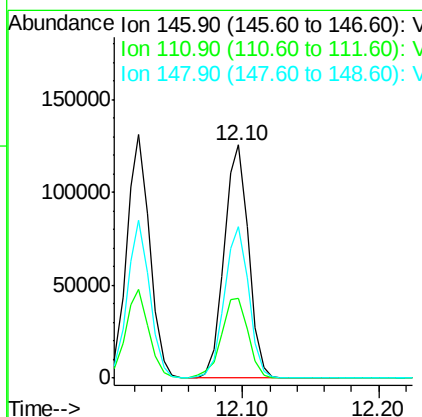
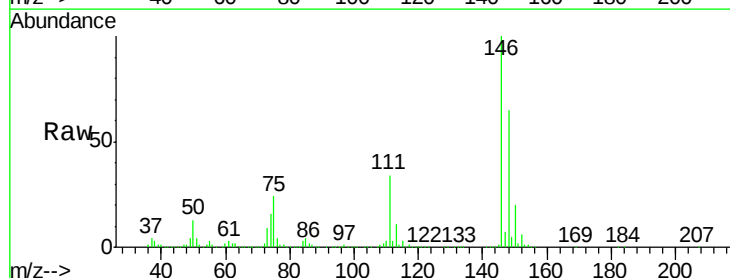
Manual Integrations
 APPROVED

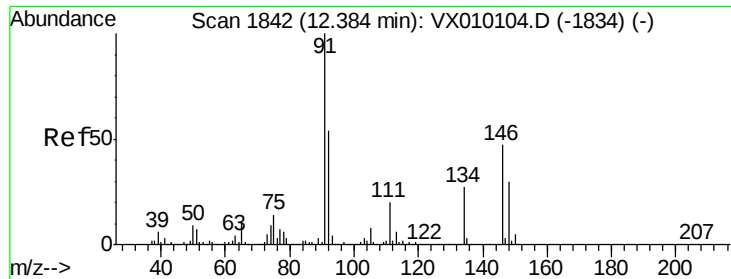
MMDadoda
 6/17/2019 10:36:07 AM



#88
 1,4-Dichlorobenzene
 Concen: 17.928 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010296.D
 Acq: 14 Jun 2019 13:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	20.0	59.9
148	65.2	32.3	96.9





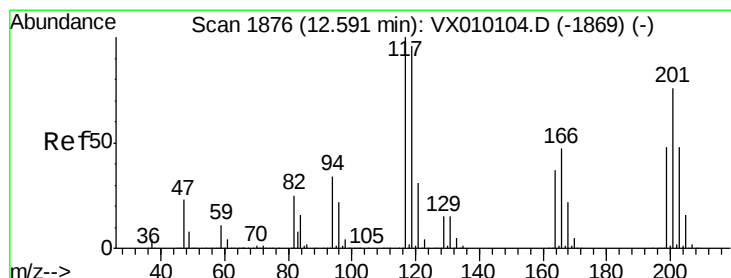
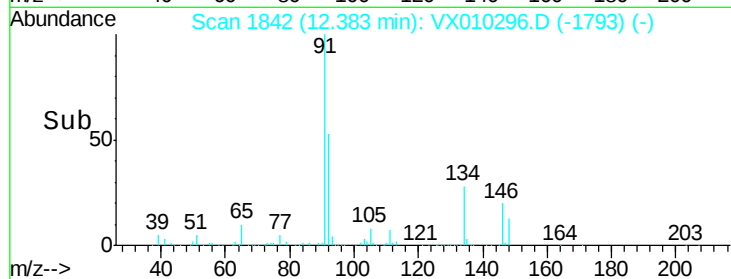
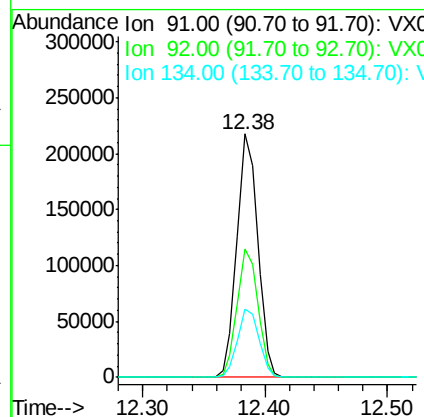
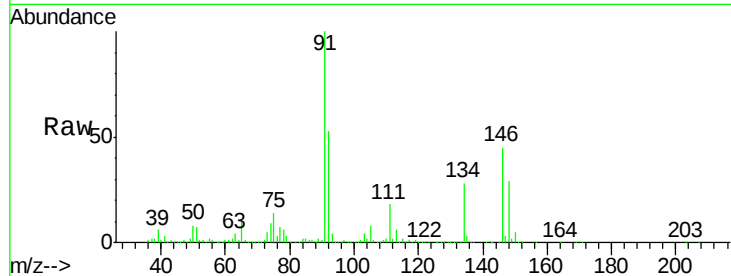
#89
n-Butylbenzene
Concen: 18.441 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010296.D
Acq: 14 Jun 2019 13:32

Instrument :
MSVOA_X
ClientSampleId :
VX0614MBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.3	78.8
134	28.8	12.3	36.8

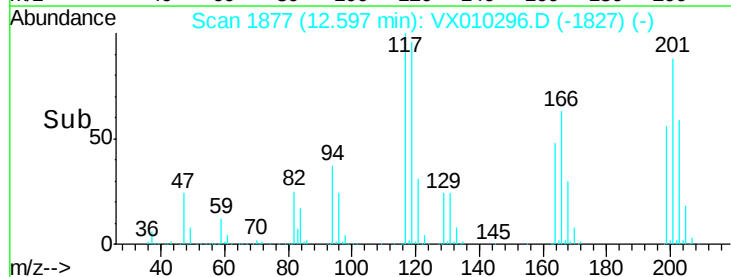
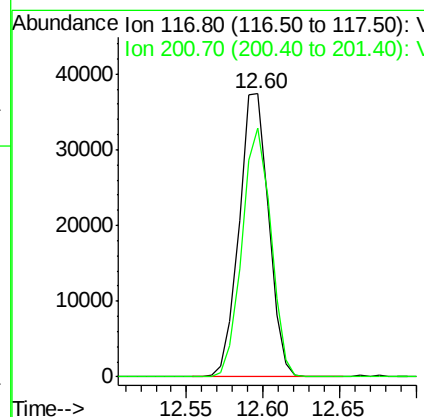
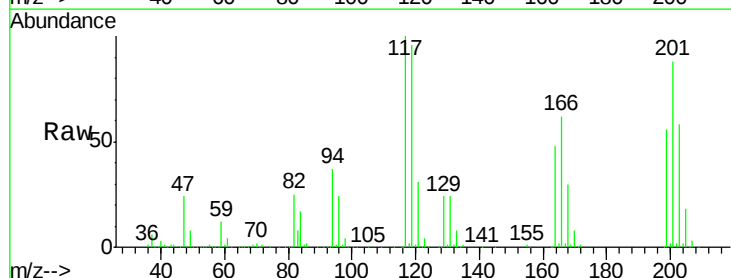
Manual Integrations
APPROVED

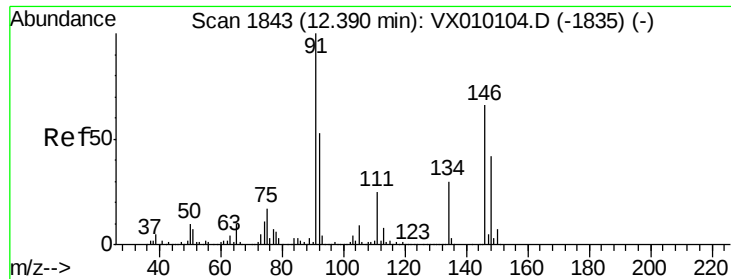
MMDadoda
6/17/2019 10:36:07 AM



#90
Hexachloroethane
Concen: 15.660 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX010296.D
Acq: 14 Jun 2019 13:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.1	43.6	130.9





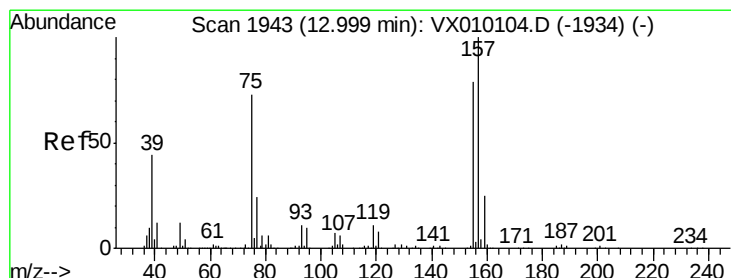
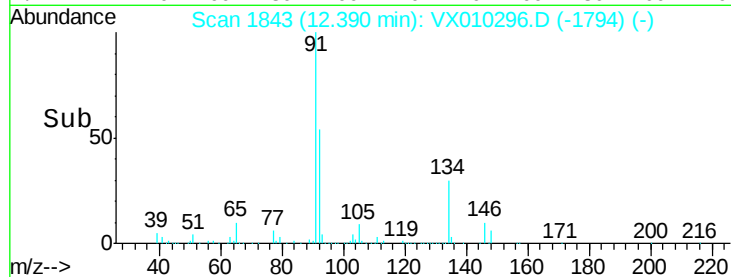
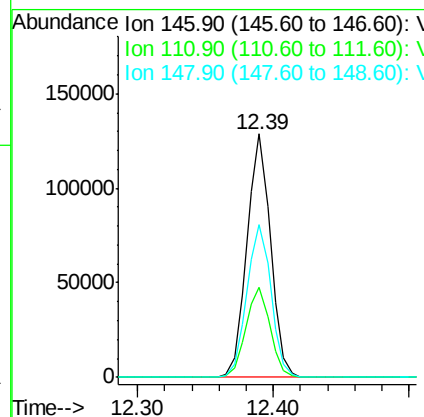
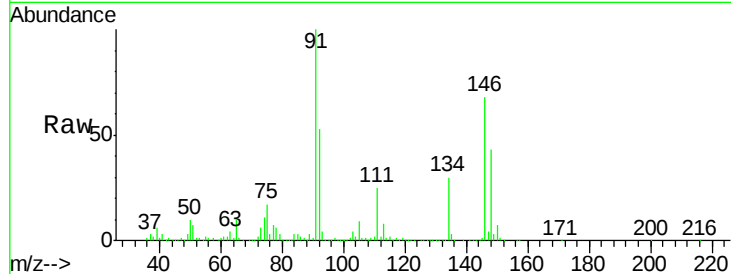
#91
 1,2-Dichlorobenzene
 Concen: 18.583 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010296.D
 Acq: 14 Jun 2019 13:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614MBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	155543		
111	37.9	21.1	63.1	
148	64.2	32.3	96.8	

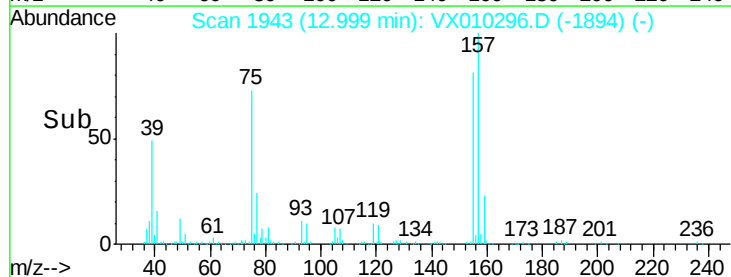
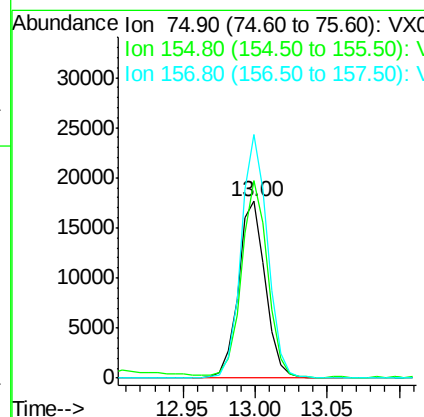
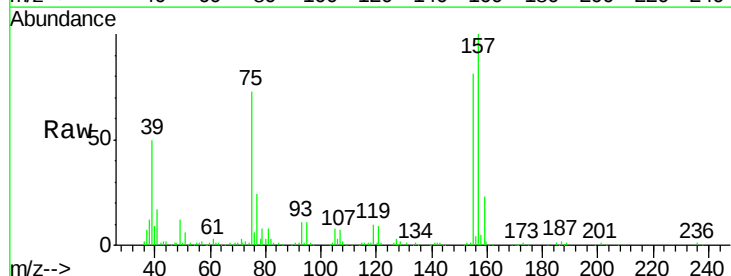
Manual Integrations
 APPROVED

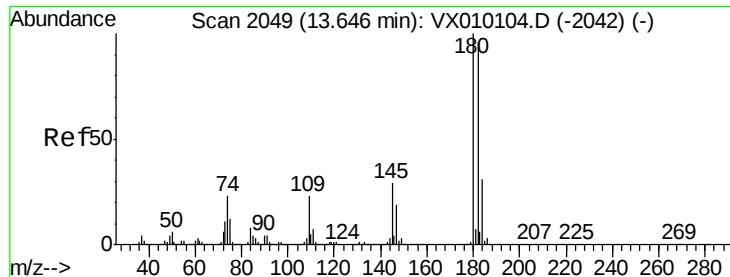
MMDadoda
 6/17/2019 10:36:07 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.206 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX010296.D
 Acq: 14 Jun 2019 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	23203		
155	107.5	39.3	117.8	
157	133.9	50.6	151.8	





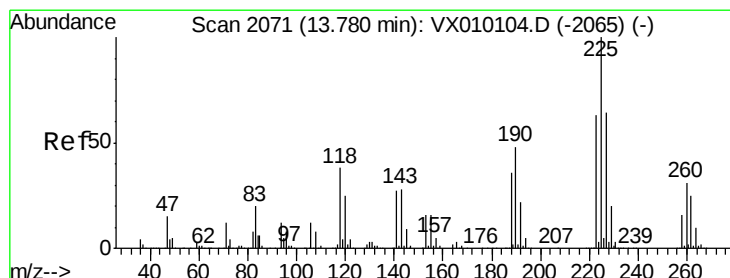
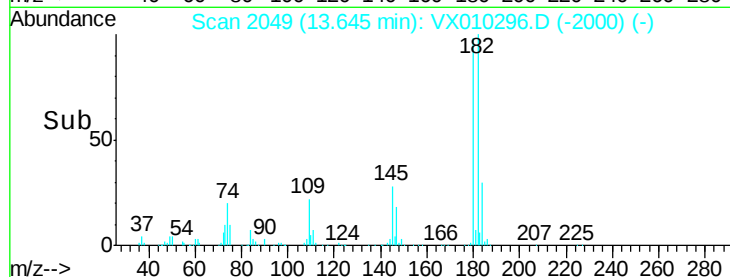
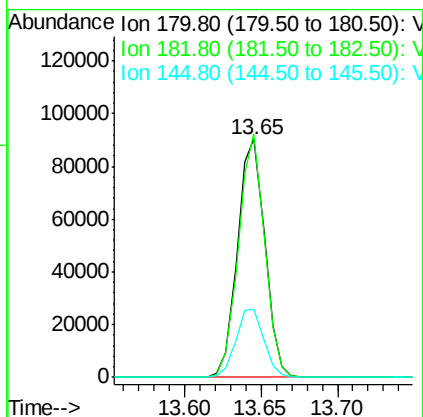
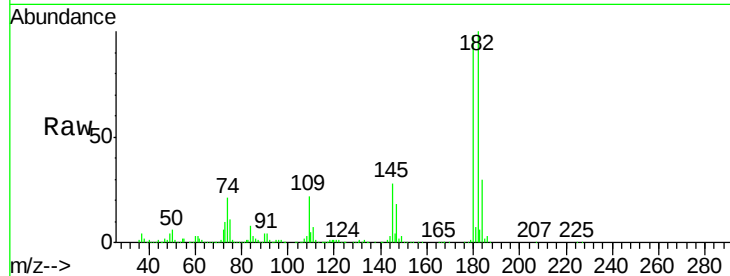
#93
 1,2,4-Trichlorobenzene
 Concen: 18.229 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010296.D
 Acq: 14 Jun 2019 13:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614MBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.6	47.4	142.2	
145	29.4	14.5	43.5	

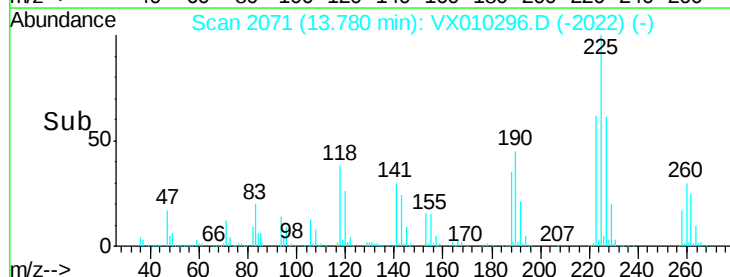
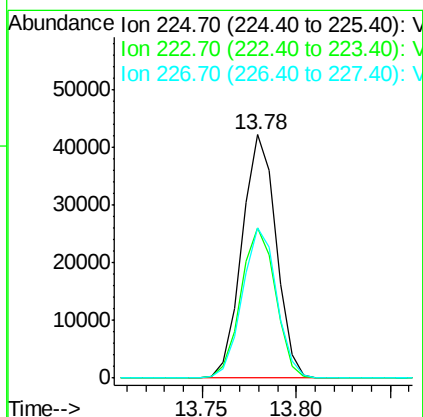
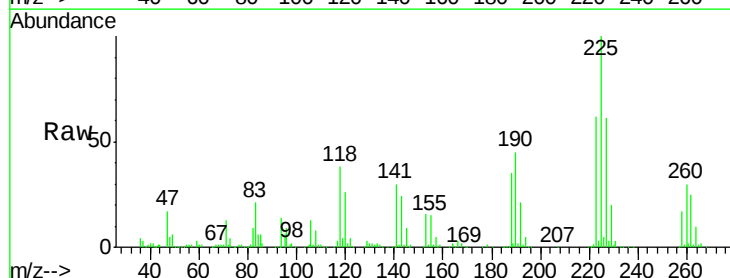
Manual Integrations
 APPROVED

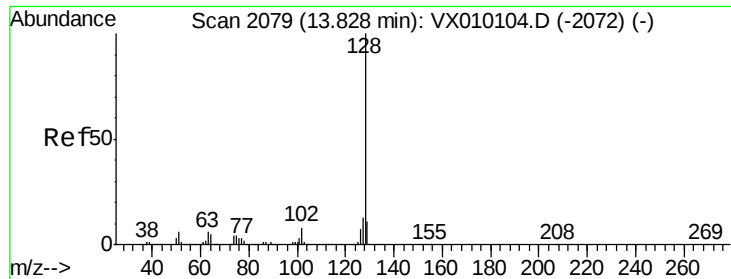
MMDadoda
 6/17/2019 10:36:07 AM



#94
 Hexachlorobutadiene
 Concen: 19.448 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX010296.D
 Acq: 14 Jun 2019 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.3	31.3	93.8	
227	62.0	32.3	96.8	





#95

Naphthalene

Concen: 18.425 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Instrument :

MSVOA_X

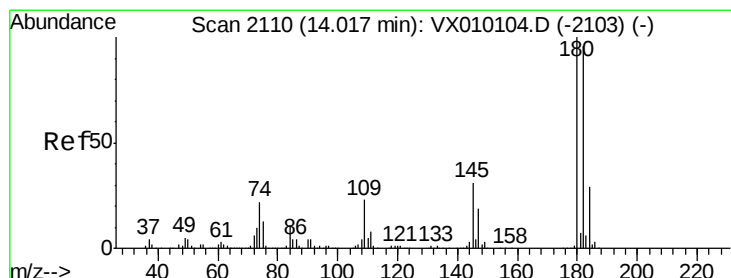
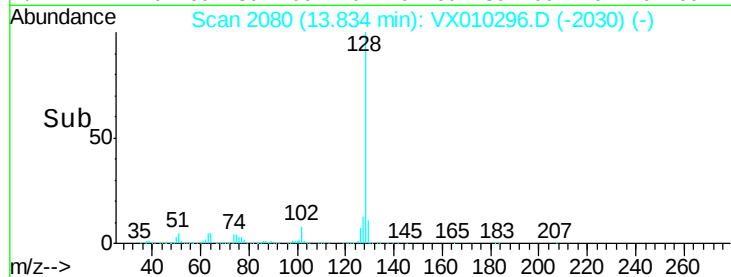
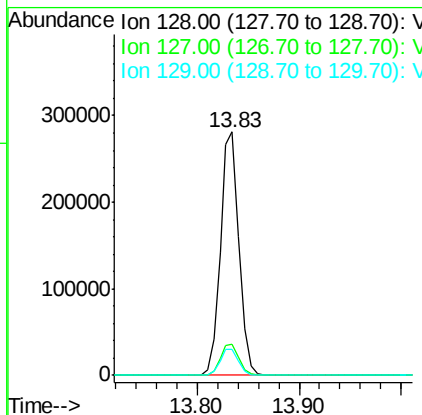
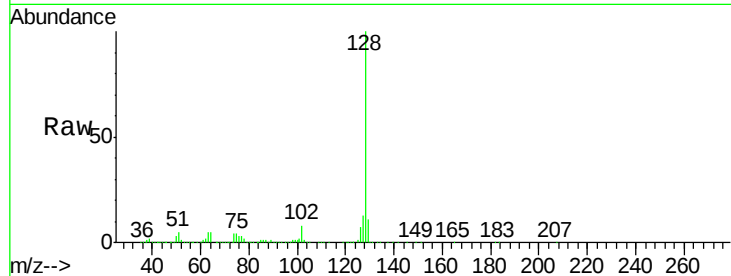
ClientSampled :

VX0614MBS02

Tot Ion:	128	Resp:	355362
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/17/2019 10:36:07 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.416 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX010296.D

Acq: 14 Jun 2019 13:32

Tgt Ion:	180	Resp:	111566
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.3	142.0
145	31.1	15.6	46.7

