

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061019\
 Data File : VX010173.D
 Acq On : 10 Jun 2019 13:25
 Operator : JC/SP
 Sample : VX0610WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0610WBS02

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 11:54:14 AM

Quant Time: Jun 11 07:09:29 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	271040	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	405711	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	368815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	189779	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	124598	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	
35) Dibromofluoromethane	5.50	113	125113	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
50) Toluene-d8	8.71	98	479515	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
62) 4-Bromofluorobenzene	11.13	95	172114	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	51003	20.451	ug/l	99
3) Chloromethane	1.33	50	48932	19.756	ug/l	100
4) Vinyl Chloride	1.41	62	50084	21.515	ug/l	100
5) Bromomethane	1.64	94	23363	26.597	ug/l	98
6) Chloroethane	1.72	64	28027	23.880	ug/l	99
7) Trichlorofluoromethane	1.93	101	76957	22.256	ug/l	98
8) Diethyl Ether	2.19	74	26196	21.980	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	2.39	101	45009	18.883	ug/l	91
10) Methyl Iodide	2.51	142	72025	19.503	ug/l	96
11) Tert butyl alcohol	3.04	59	66006	101.843	ug/l	99
12) 1,1-Dichloroethene	2.37	96	46087	18.931	ug/l #	78
13) Acrolein	2.29	56	12004	101.576	ug/l	98
14) Allyl chloride	2.73	41	66689	18.147	ug/l #	88
15) Acrylonitrile	3.14	53	128125	96.718	ug/l	98
16) Acetone	2.44	43	113836	91.481	ug/l	90
17) Carbon Disulfide	2.57	76	122192	17.371	ug/l	99
18) Methyl Acetate	2.78	43	51929	18.976	ug/l #	82
19) Methyl tert-butyl Ether	3.20	73	143891	18.397	ug/l	92
20) Methylene Chloride	2.85	84	51459	18.830	ug/l #	78
21) trans-1,2-Dichloroethene	3.17	96	48681	18.069	ug/l #	78
22) Diisopropyl ether	3.85	45	133974	19.068	ug/l #	94
23) Vinyl Acetate	3.81	43	597438	95.315	ug/l #	87
24) 1,1-Dichloroethane	3.70	63	78821	18.477	ug/l	96
25) 2-Butanone	4.68	43	179652	96.954	ug/l #	80
26) 2,2-Dichloropropane	4.59	77	69627	17.891	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	55937	18.663	ug/l	79
28) Bromochloromethane	5.02	49	31767	16.616	ug/l #	45
29) Tetrahydrofuran	5.13	42	113474	97.444	ug/l #	75
30) Chloroform	5.21	83	82284	18.573	ug/l	100
31) Cyclohexane	5.58	56	74270	19.291	ug/l #	79
32) 1,1,1-Trichloroethane	5.50	97	75008	18.009	ug/l #	93
36) 1,1-Dichloropropene	5.80	75	61913	18.705	ug/l	92
37) Ethyl Acetate	4.84	43	64978	18.867	ug/l #	89
38) Carbon Tetrachloride	5.78	117	69142	18.455	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061019\
 Data File : VX010173.D
 Acq On : 10 Jun 2019 13:25
 Operator : JC/SP
 Sample : VX0610WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0610WBS02

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 11:54:14 AM

Quant Time: Jun 11 07:09:29 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	82897	18.392	ug/l #	83
40) Benzene	6.14	78	197324	19.279	ug/l	99
41) Methacrylonitrile	5.05	41	34789	18.674	ug/l #	81
42) 1,2-Dichloroethane	6.20	62	59258	18.135	ug/l	91
43) Isopropyl Acetate	6.45	43	107200	18.617	ug/l #	88
44) Trichloroethene	7.21	130	57844	18.749	ug/l	84
45) 1,2-Dichloropropane	7.51	63	48777	19.040	ug/l	95
46) Dibromomethane	7.66	93	34715	18.088	ug/l #	87
47) Bromodichloromethane	7.90	83	67564	18.840	ug/l	98
48) Methyl methacrylate	7.77	41	49715	18.461	ug/l #	74
49) 1,4-Dioxane	7.74	88	31204	406.410	ug/l #	78
51) 4-Methyl-2-Pentanone	8.64	43	345984	100.578	ug/l	89
52) Toluene	8.78	92	128335	19.075	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	73574	17.737	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	82154	18.474	ug/l #	87
55) 1,1,2-Trichloroethane	9.21	97	53714	19.494	ug/l	97
56) Ethyl methacrylate	9.18	69	83239	19.124	ug/l #	82
57) 1,3-Dichloropropane	9.37	76	82639	19.050	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	185107	90.212	ug/l #	85
59) 2-Hexanone	9.49	43	273414	99.687	ug/l	87
60) Dibromochloromethane	9.58	129	61465	18.859	ug/l	99
61) 1,2-Dibromoethane	9.67	107	57966	18.889	ug/l	99
64) Tetrachloroethene	9.34	164	52276	19.084	ug/l	94
65) Chlorobenzene	10.13	112	145173	19.071	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	54658	18.672	ug/l	99
67) Ethyl Benzene	10.25	91	244528	18.870	ug/l	95
68) m/p-Xylenes	10.36	106	193902	38.668	ug/l	89
69) o-Xylene	10.69	106	94765	19.011	ug/l	89
70) Styrene	10.71	104	161412	19.119	ug/l	95
71) Bromoform	10.85	173	50452	18.748	ug/l	99
73) Isopropylbenzene	11.02	105	249475	18.831	ug/l	95
74) N-amyl acetate	10.90	43	99249	18.952	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.27	83	85188	18.785	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	69751m	18.375	ug/l	
77) Bromobenzene	11.26	156	68934	18.922	ug/l	80
78) n-propylbenzene	11.36	91	271816	18.430	ug/l	94
79) 2-Chlorotoluene	11.42	91	162000	18.289	ug/l	90
80) 1,3,5-Trimethylbenzene	11.51	105	206043	18.466	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.07	75	30858	17.961	ug/l #	84
82) 4-Chlorotoluene	11.51	91	183375	18.224	ug/l	91
83) tert-Butylbenzene	11.77	119	213848	18.935	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	208501	18.499	ug/l	94
85) sec-Butylbenzene	11.94	105	243417	18.500	ug/l	96
86) p-Isopropyltoluene	12.06	119	222894	18.531	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	118164	18.414	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	117600	18.180	ug/l	98
89) n-Butylbenzene	12.38	91	185846	17.949	ug/l	96
90) Hexachloroethane	12.60	117	42675	17.810	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	120021	19.239	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	18530	17.364	ug/l	62

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061019\
Data File : VX010173.D
Acq On : 10 Jun 2019 13:25
Operator : JC/SP
Sample : VX0610WBS02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0610WBS02

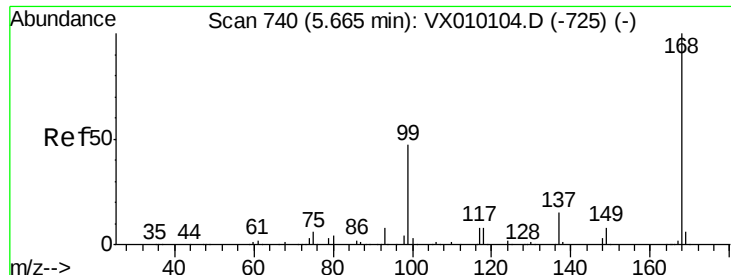
Manual Integrations
APPROVED

MMDadoda
6/11/2019 11:54:14 AM

Quant Time: Jun 11 07:09:29 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	82505	18.067	ug/l	98
94) Hexachlorobutadiene	13.78	225	38453	18.934	ug/l	98
95) Naphthalene	13.83	128	261134	18.166	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	84687	18.756	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBS02

Tot Ion:168 Resp: 271040

Ion Ratio Lower Upper

168 100

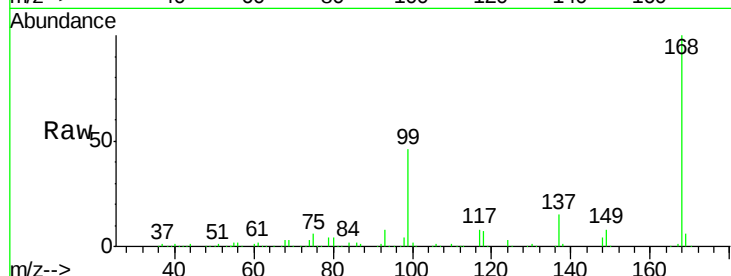
99 46.1 43.0 64.6

Manual Integrations

APPROVED

MMDadoda

6/11/2019 11:54:14 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

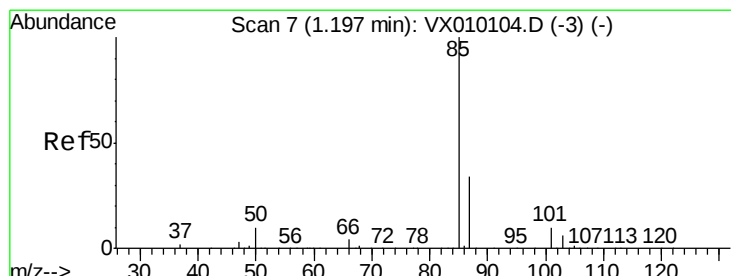
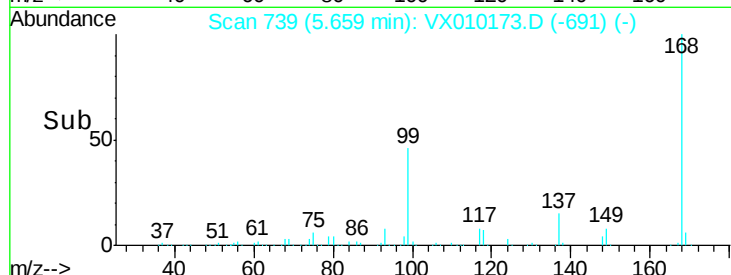
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.451 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010173.D

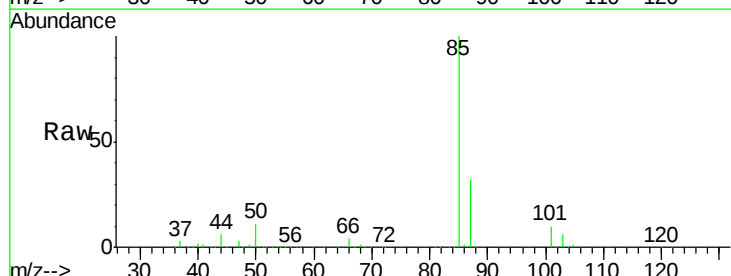
Acq: 10 Jun 2019 13:25

Tgt Ion: 85 Resp: 51003

Ion Ratio Lower Upper

85 100

87 32.4 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

60000

50000

40000

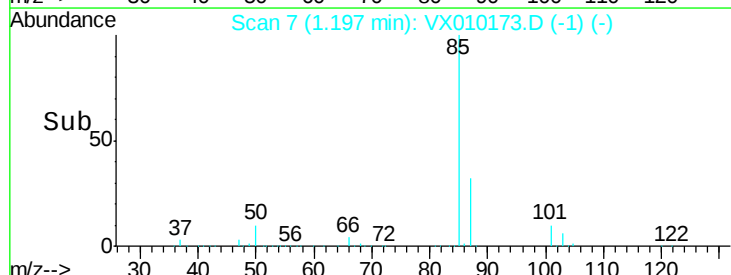
30000

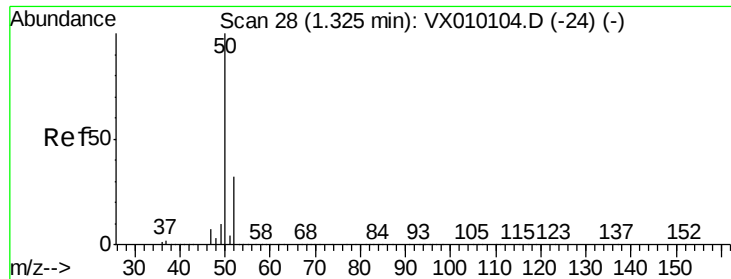
20000

10000

0

Time-->





#3

Chloromethane

Concen: 19.756 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBS02

Tot Ion: 50 Resp: 48932

Ion Ratio Lower Upper

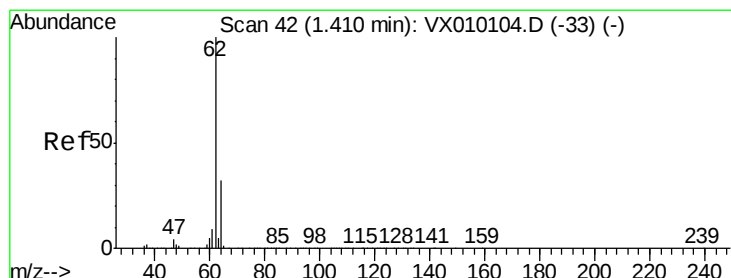
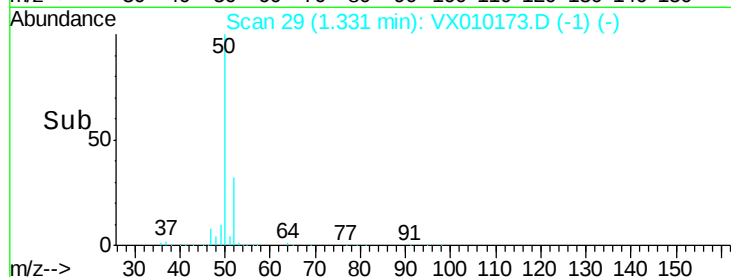
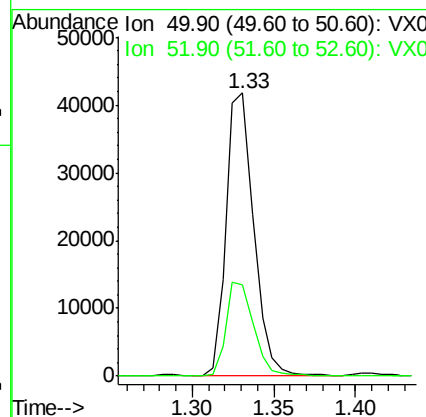
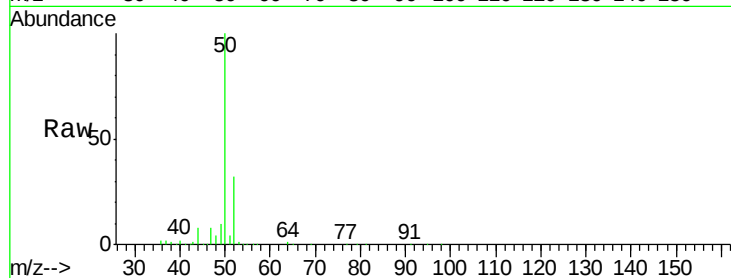
50 100

52 32.5 26.0 39.0

Manual Integrations
APPROVED

MMDadoda

6/11/2019 11:54:14 AM



#4

Vinyl Chloride

Concen: 21.515 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010173.D

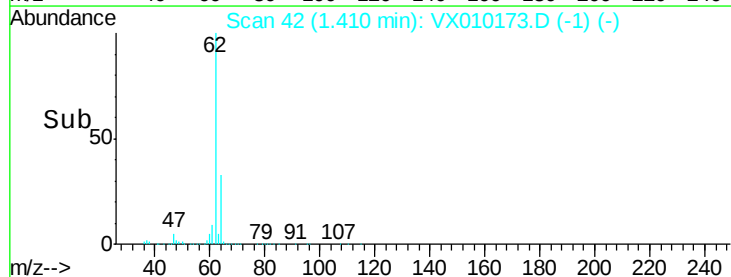
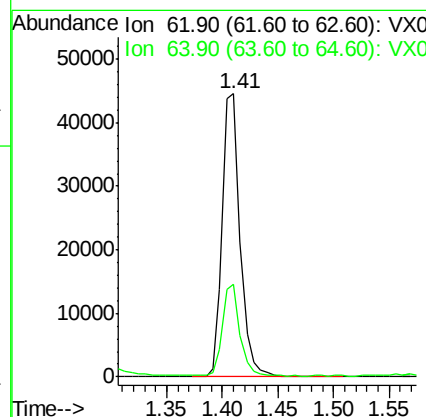
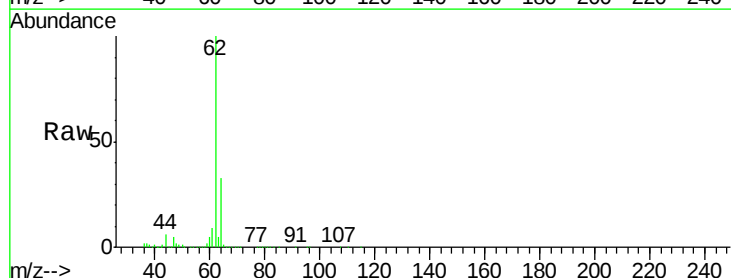
Acq: 10 Jun 2019 13:25

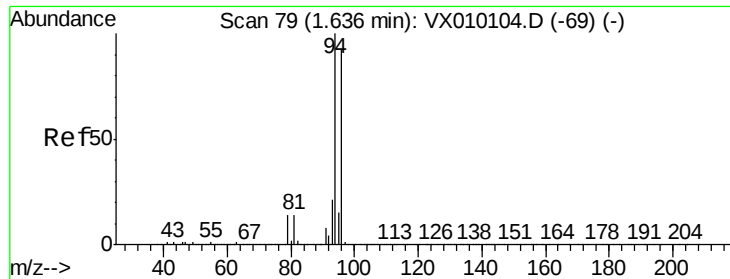
Tgt Ion: 62 Resp: 50084

Ion Ratio Lower Upper

62 100

64 32.1 25.7 38.5





#5

Bromomethane

Concen: 26.597 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBS02

Tot Ion: 94 Resp: 23363

Ion Ratio Lower Upper

94 100

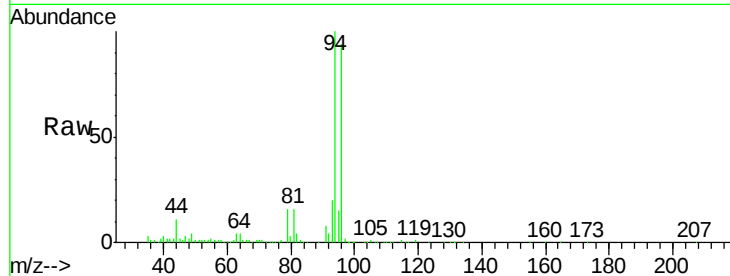
96 93.8 76.2 114.4

Manual Integrations

APPROVED

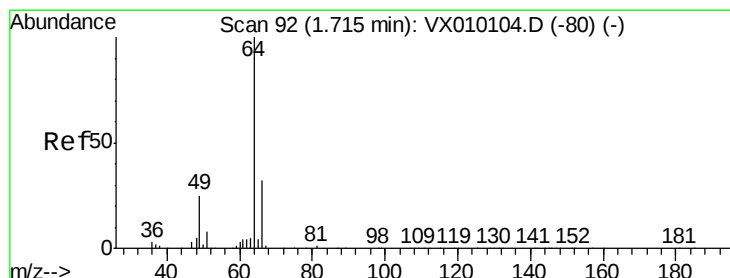
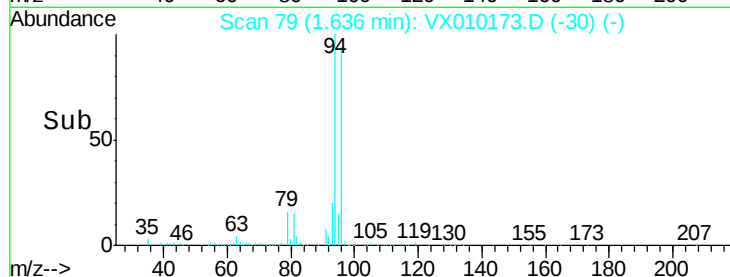
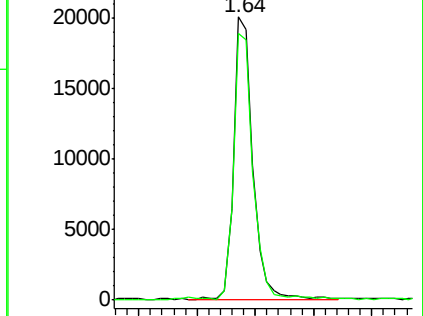
MMDadoda

6/11/2019 11:54:14 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 23.880 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010173.D

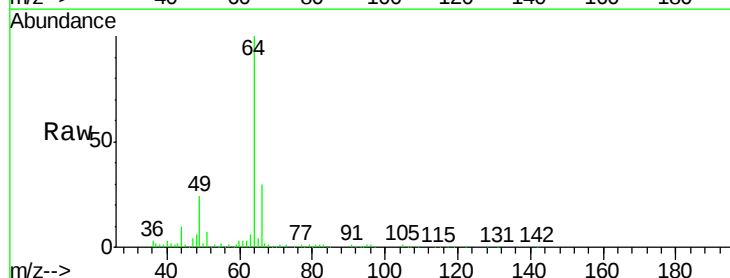
Acq: 10 Jun 2019 13:25

Tgt Ion: 64 Resp: 28027

Ion Ratio Lower Upper

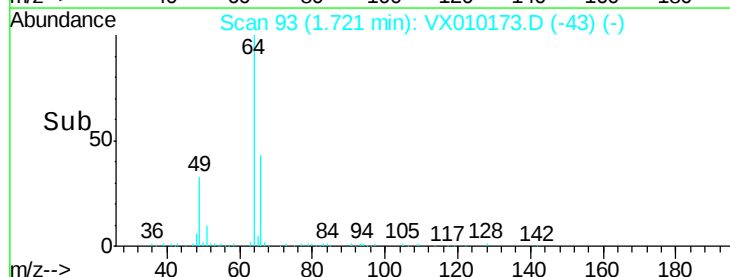
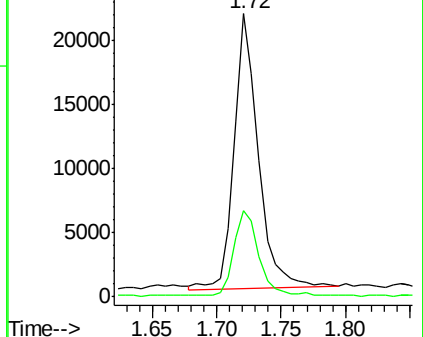
64 100

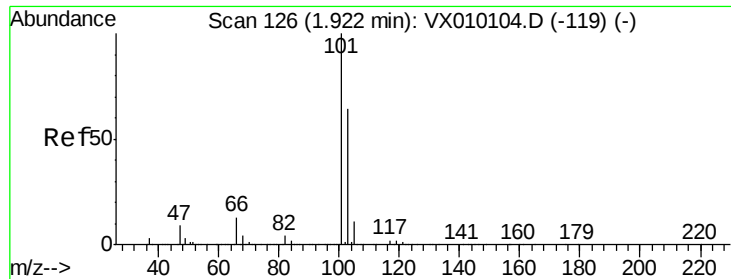
66 31.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

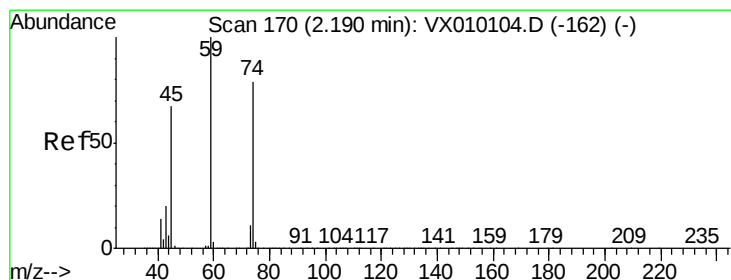
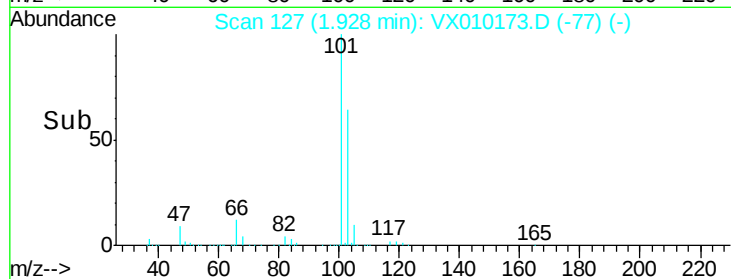
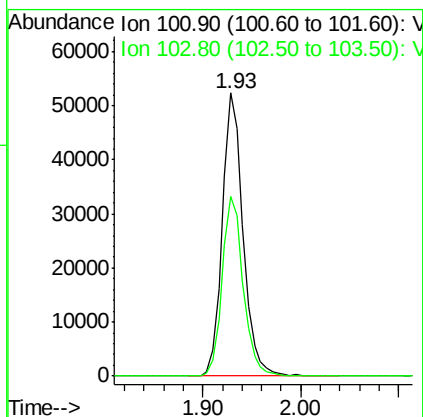
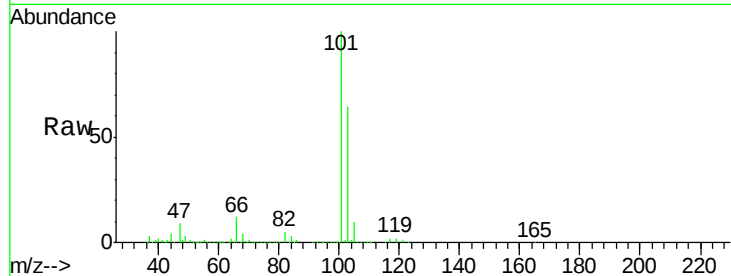
Trichlorofluoromethane
Concen: 22.256 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX010173.D
Acq: 10 Jun 2019 13:25

Instrument :
MSVOA_X
ClientSampleId :
VX0610WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	52.2	78.4

Manual Integrations
APPROVED

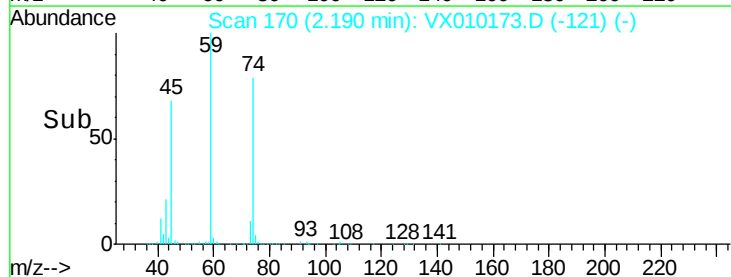
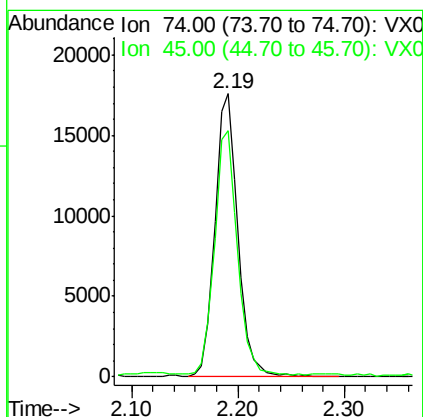
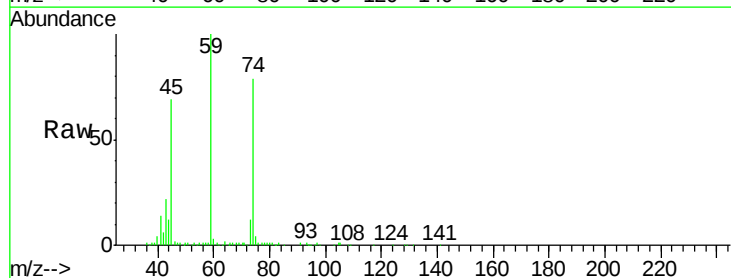
MMDadoda
6/11/2019 11:54:14 AM

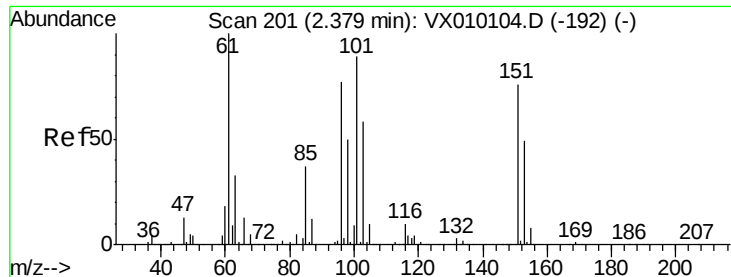


#8

Diethyl Ether
Concen: 21.980 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010173.D
Acq: 10 Jun 2019 13:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.6	56.1	168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.883 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

Instrument :

MSVOA_X

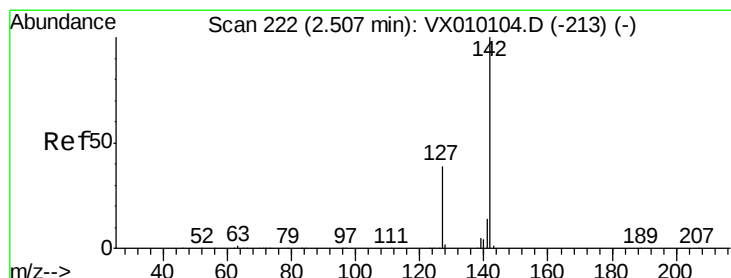
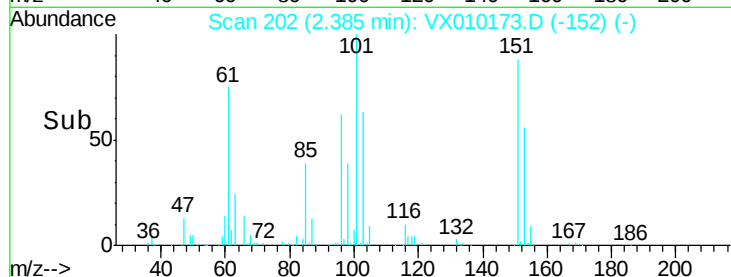
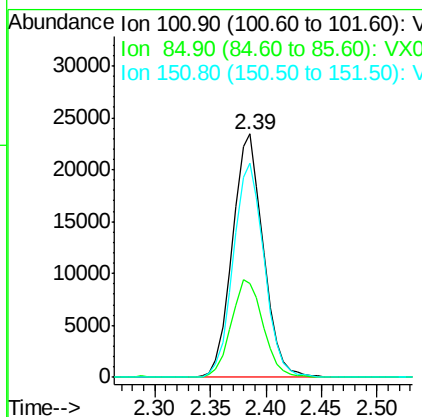
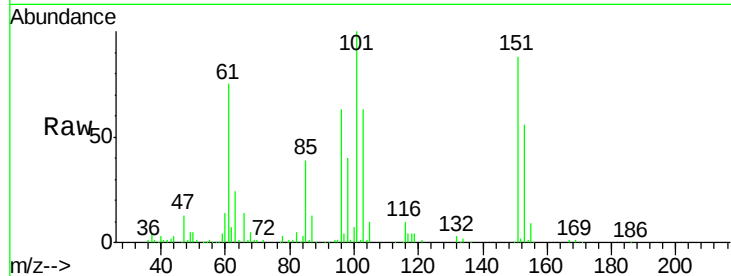
ClientSampleId :

VX0610WBS02

Tot Ion:	101	Resp:	45009
Ion Ratio	Lower	Upper	
101	100		
85	41.6	35.2	52.8
151	88.3	61.9	92.9

Manual Integrations
APPROVED

MMDadoda
6/11/2019 11:54:14 AM



#10

Methyl Iodide

Concen: 19.503 ug/l

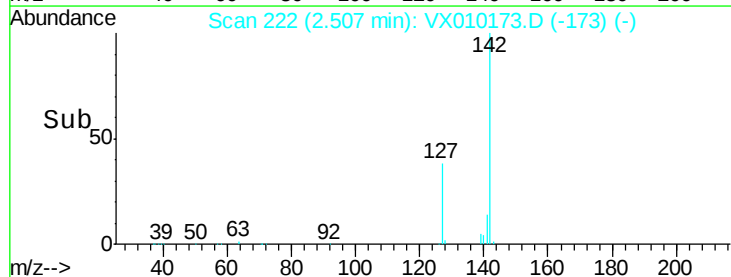
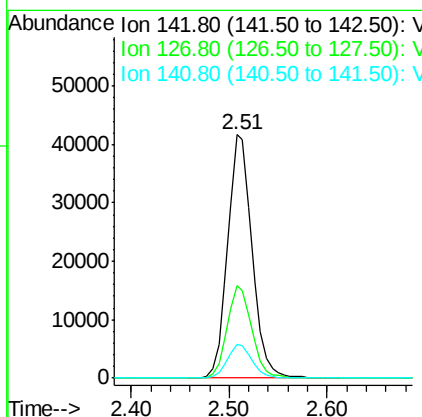
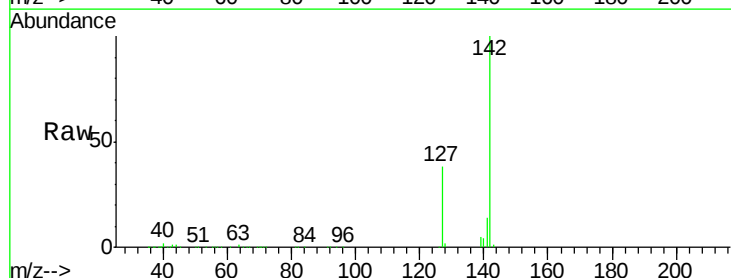
RT: 2.51 min Scan# 222

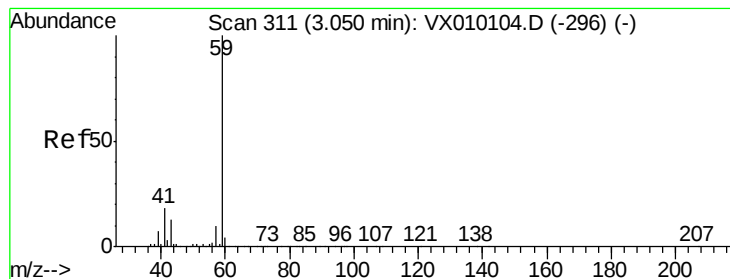
Delta R.T. 0.00 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

Tgt Ion:	142	Resp:	72025
Ion Ratio	Lower	Upper	
142	100		
127	38.2	33.0	49.4
141	14.1	11.4	17.0





#11

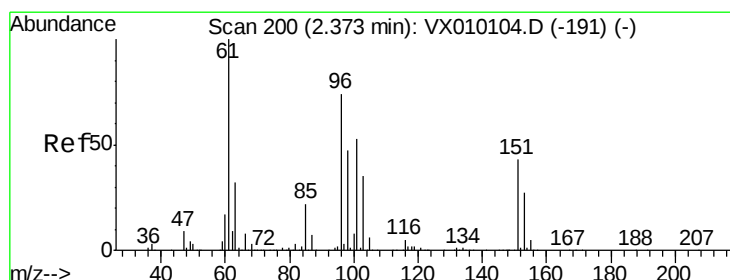
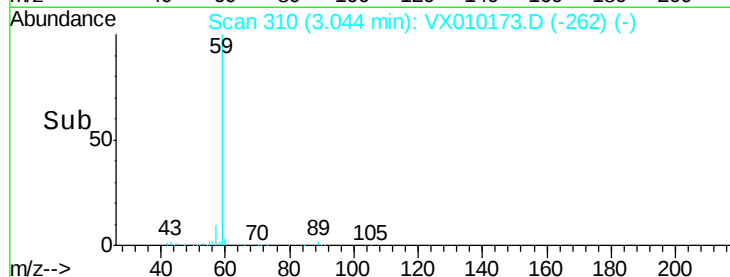
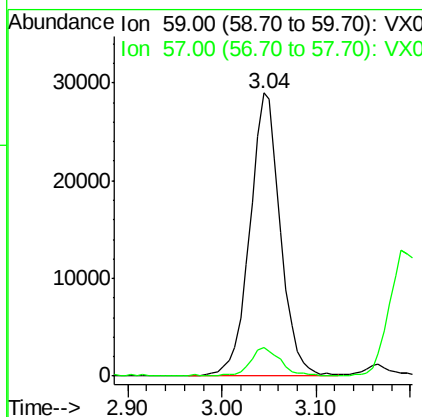
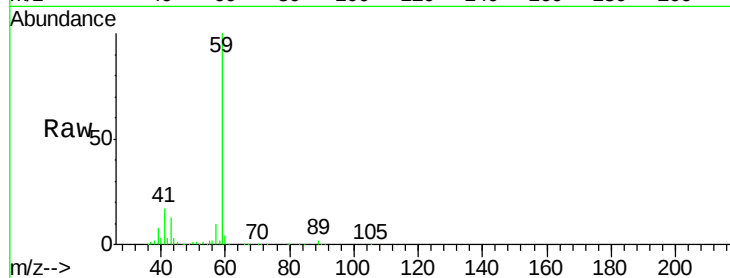
Tert butyl alcohol
Concen: 101.843 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010173.D
Acq: 10 Jun 2019 13:25

Instrument :
MSVOA_X
ClientSampleId :
VX0610WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	66006		
57	57	9.7		8.2	12.2

Manual Integrations
APPROVED

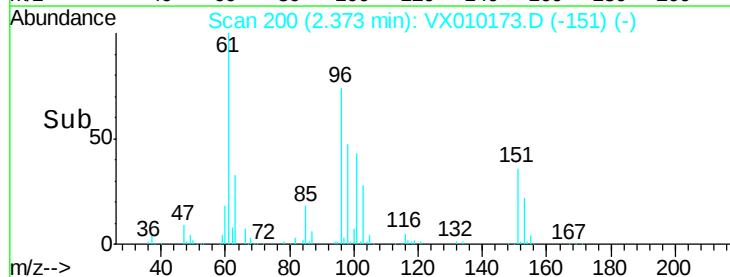
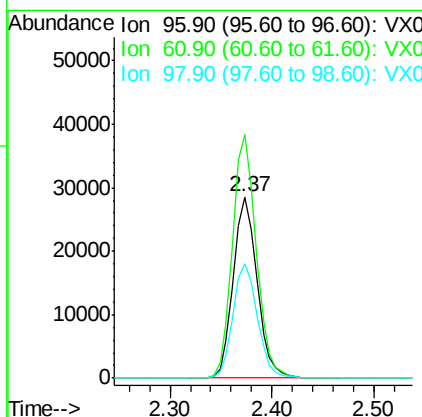
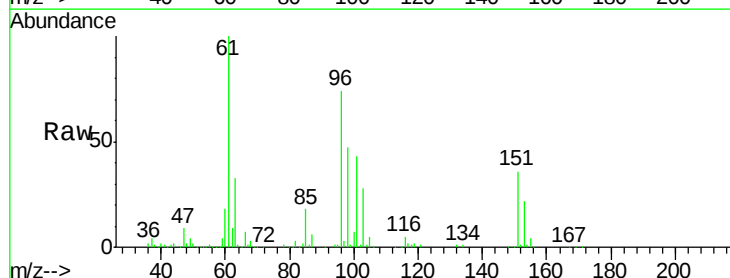
MMDadoda
6/11/2019 11:54:14 AM

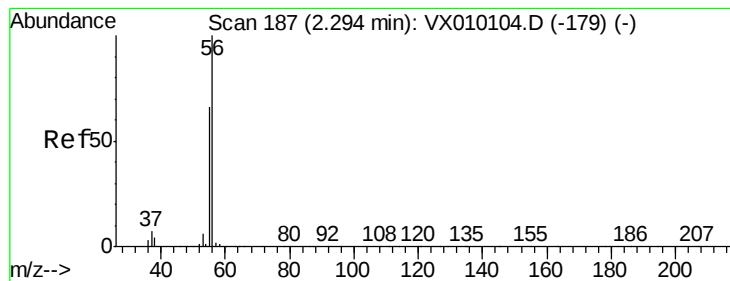


#12

1,1-Dichloroethene
Concen: 18.931 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010173.D
Acq: 10 Jun 2019 13:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	46087		
61	61	134.6		140.7	211.1#
98	98	63.4		50.1	75.1





#13

Acrolein

Concen: 101.576 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBS02

Tot Ion: 56 Resp: 12004

Ion Ratio Lower Upper

56 100

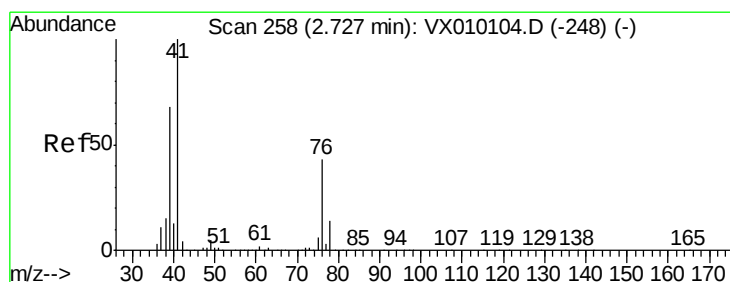
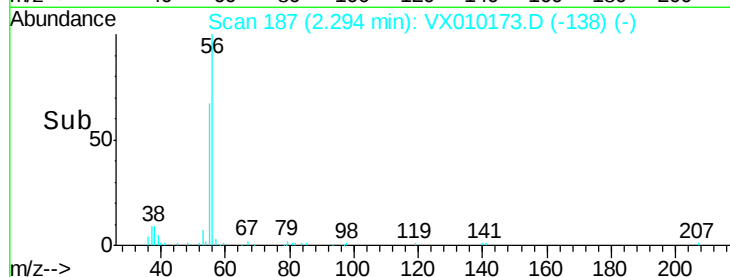
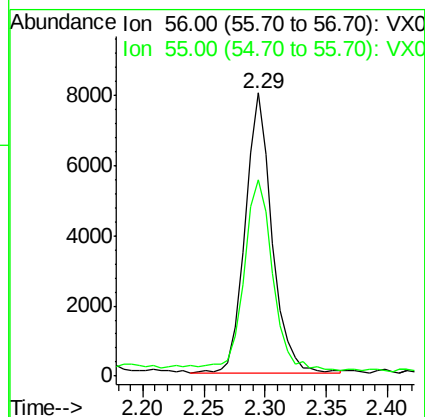
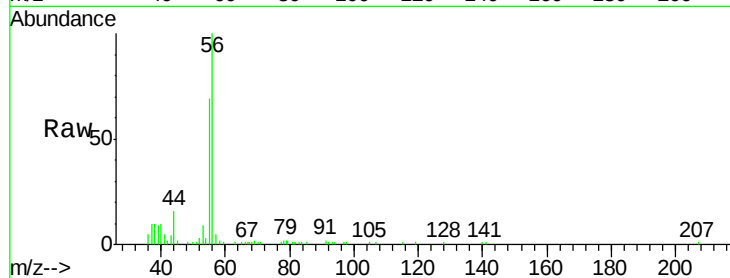
55 72.5 57.0 85.4

Manual Integrations

APPROVED

MMDadoda

6/11/2019 11:54:14 AM



#14

Allyl chloride

Concen: 18.147 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

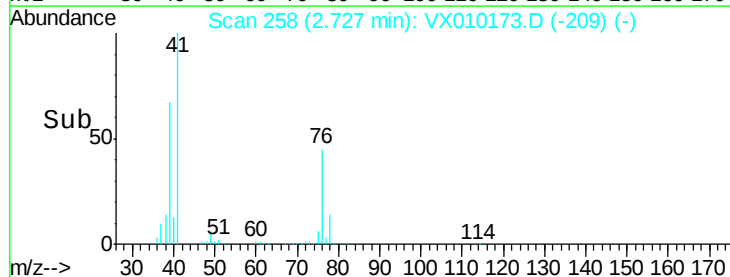
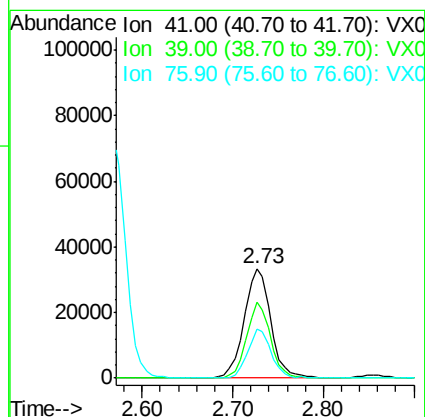
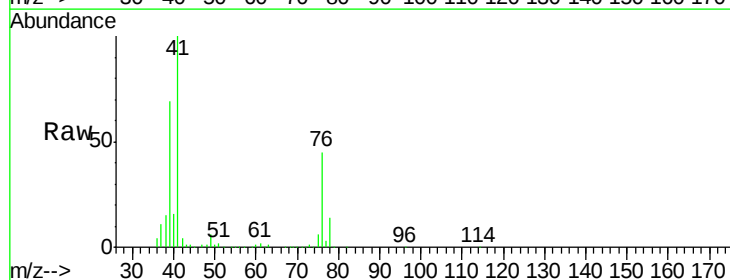
Tgt Ion: 41 Resp: 66689

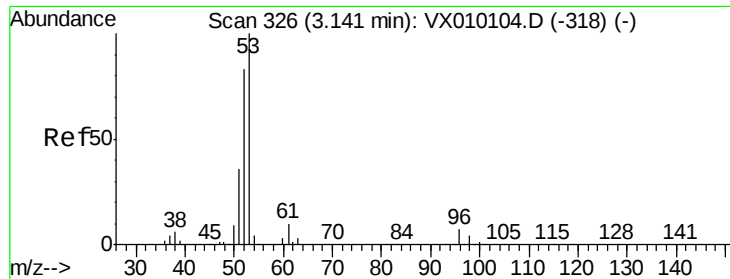
Ion Ratio Lower Upper

41 100

39 62.2 46.7 70.1

76 40.2 21.0 31.4#





#15

Acrylonitrile

Concen: 96.718 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

Instrument :

MSVOA_X

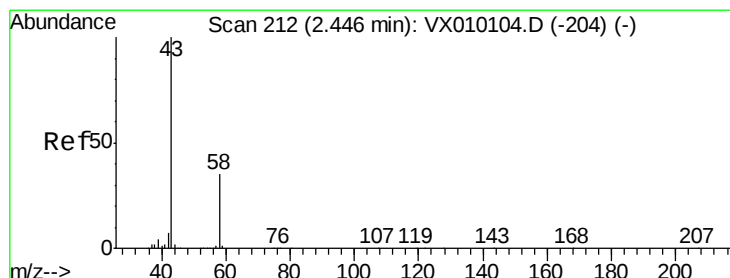
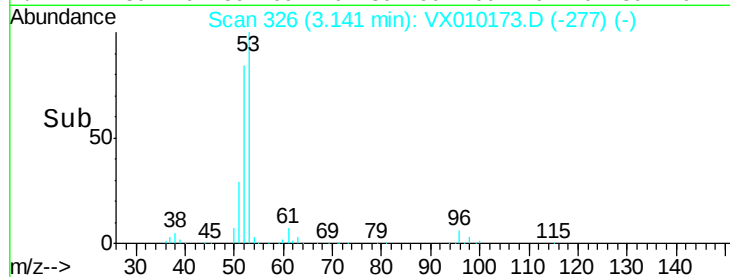
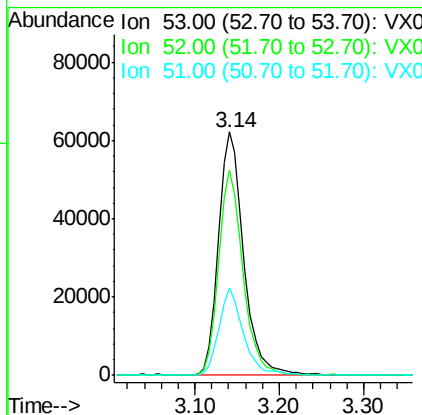
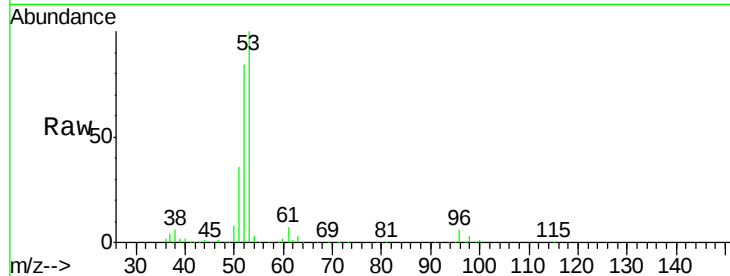
ClientSampleId :

VX0610WBS02

Tot Ion:	53	Resp:	128125
Ion Ratio	Lower	Upper	
53	100		
52	81.6	66.7	100.1
51	34.6	28.8	43.2

Manual Integrations
APPROVED

MMDadoda
6/11/2019 11:54:14 AM



#16

Acetone

Concen: 91.481 ug/l

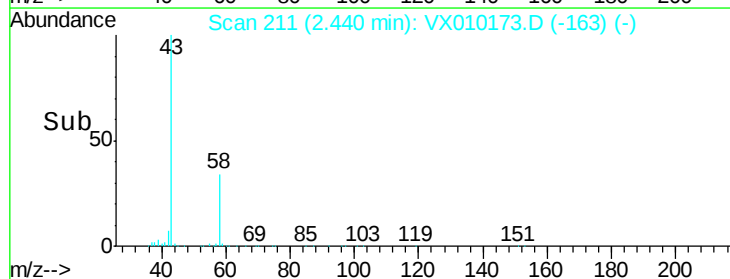
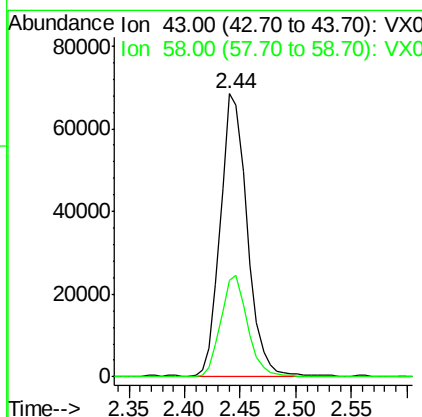
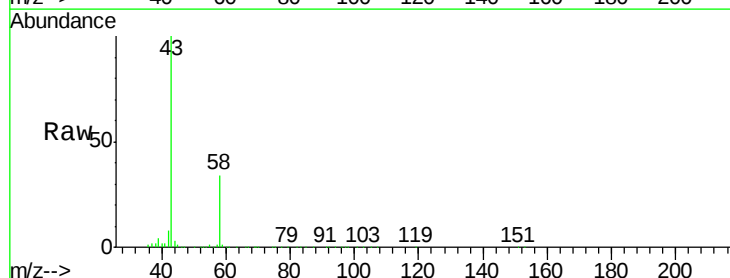
RT: 2.44 min Scan# 211

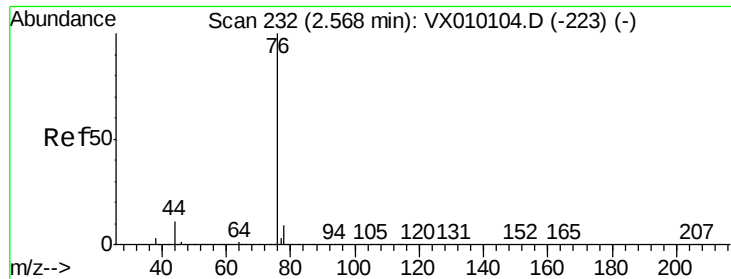
Delta R.T. -0.01 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

Tgt Ion:	43	Resp:	113836
Ion Ratio	Lower	Upper	
43	100		
58	34.2	23.2	34.8





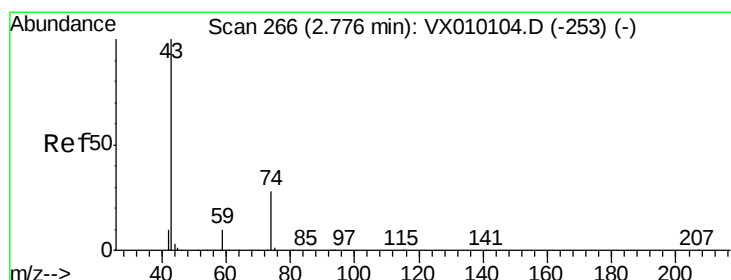
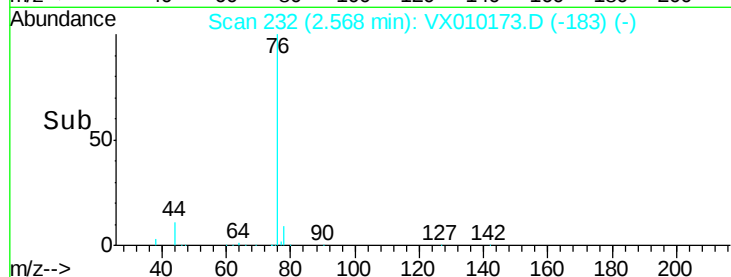
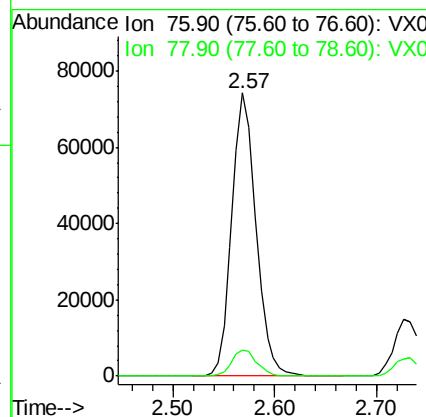
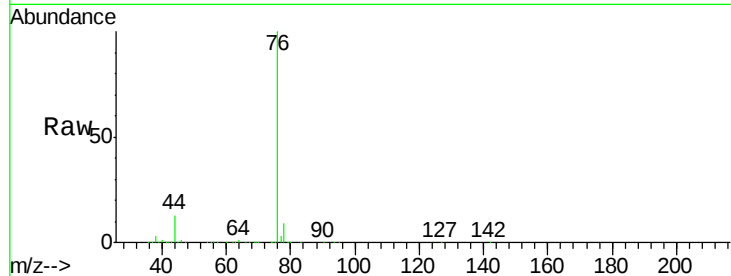
#17
Carbon Disulfide
Concen: 17.371 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010173.D
Acq: 10 Jun 2019 13:25

Instrument :
MSVOA_X
ClientSampleId :
VX0610WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.6

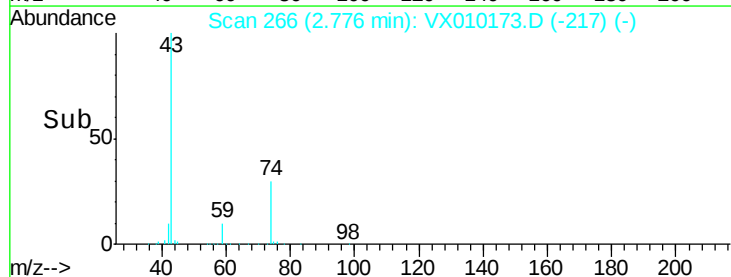
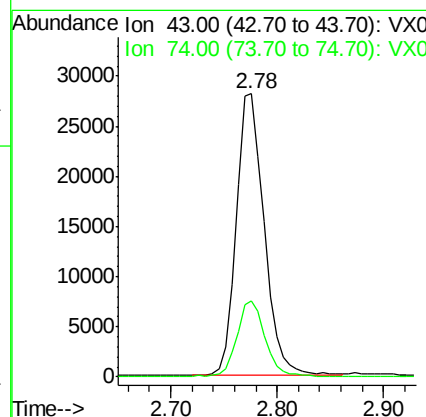
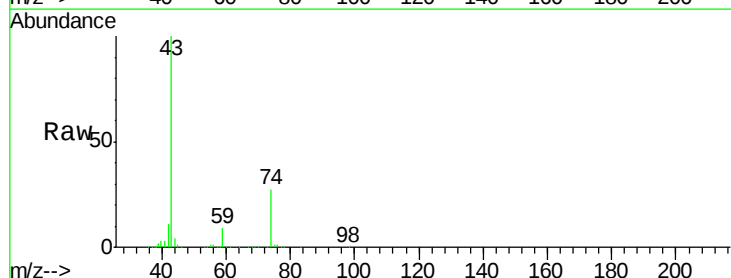
Manual Integrations
APPROVED

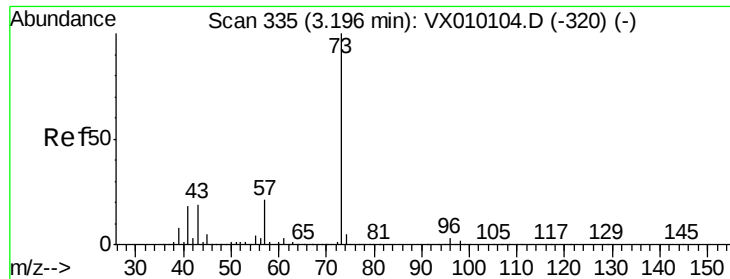
MMDadoda
6/11/2019 11:54:14 AM



#18
Methyl Acetate
Concen: 18.976 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010173.D
Acq: 10 Jun 2019 13:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.8	15.8	23.6#





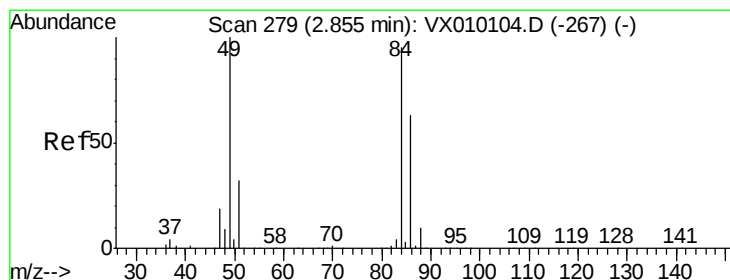
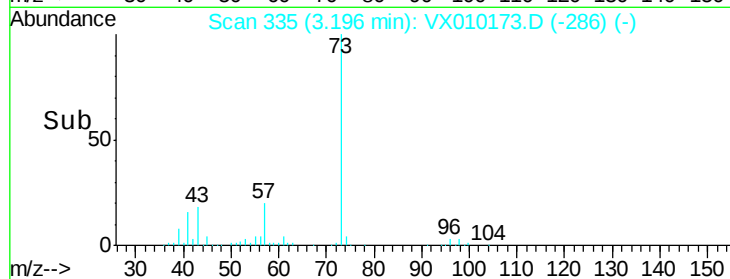
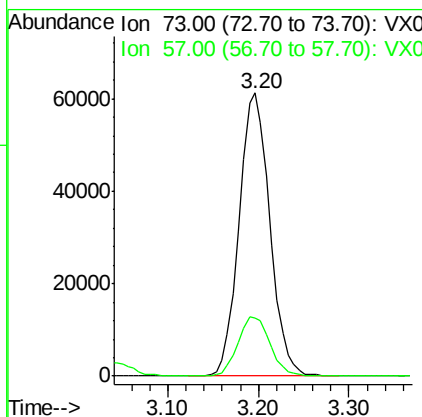
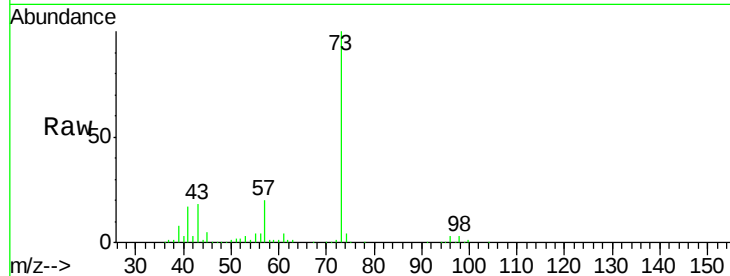
#19
Methvl tert-butvl Ether
Concen: 18.397 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010173.D
Acq: 10 Jun 2019 13:25

Instrument :
MSVOA_X
ClientSampleId :
VX0610WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.3	19.4	29.2

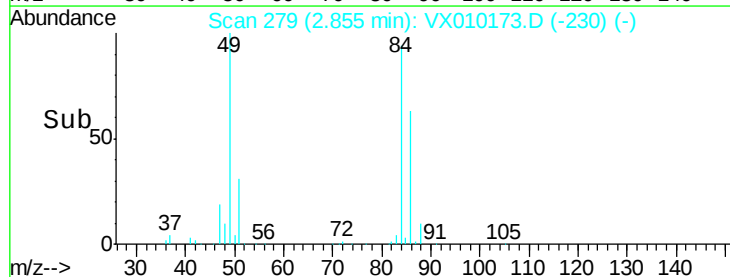
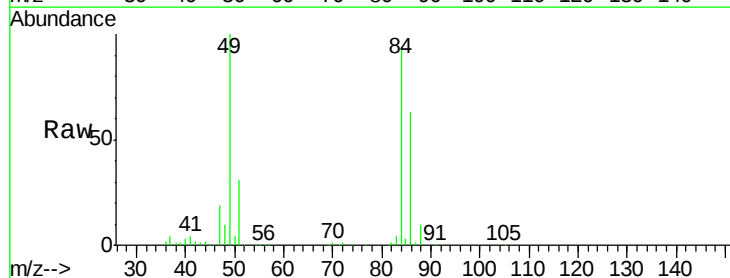
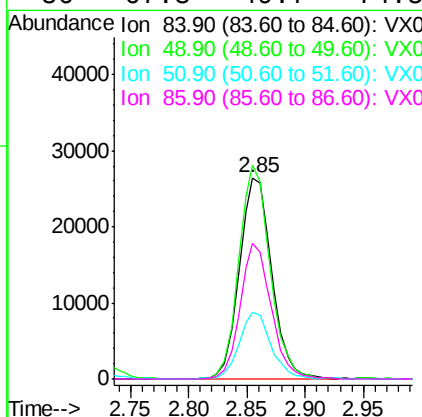
Manual Integrations
APPROVED

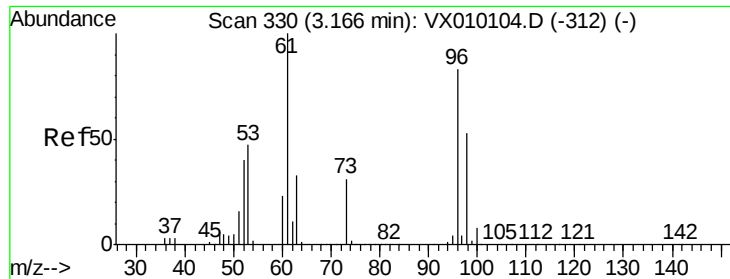
MMDadoda
6/11/2019 11:54:14 AM



#20
Methylene Chloride
Concen: 18.830 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010173.D
Acq: 10 Jun 2019 13:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	106.1	115.8	173.6#
51	32.9	34.4	51.6#
86	67.3	49.7	74.5





#21

trans-1,2-Dichloroethene

Concen: 18.069 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBS02

Tot Ion: 96 Resp: 48681

Ion Ratio Lower Upper

96 100

61 118.1 125.7 188.5#

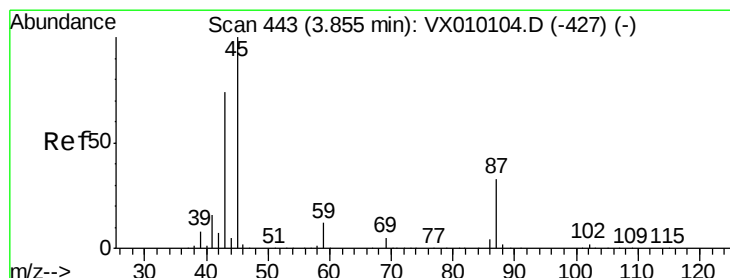
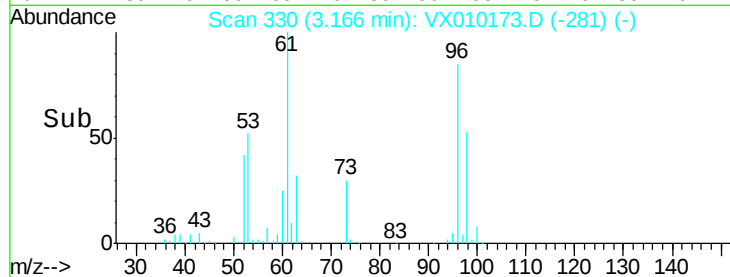
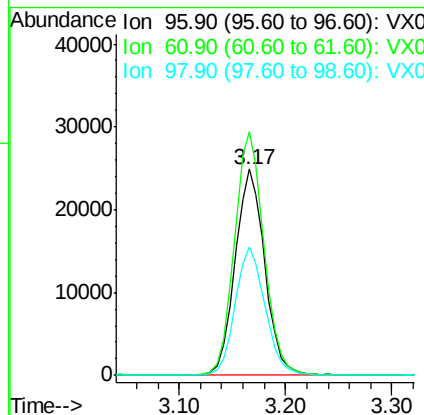
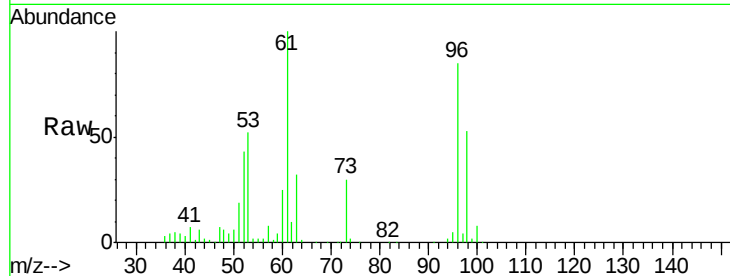
98 62.4 49.0 73.6

Manual Integrations

APPROVED

MMDadoda

6/11/2019 11:54:14 AM



#22

Diisopropyl ether

Concen: 19.068 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

Tgt Ion: 45 Resp: 133974

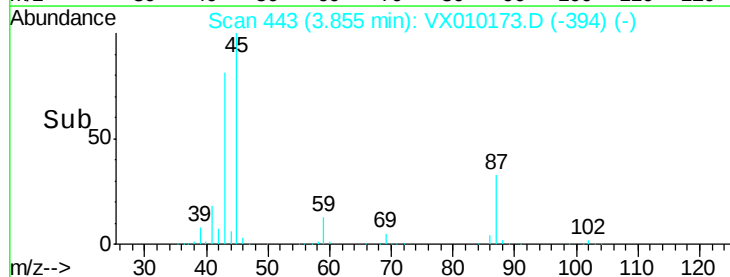
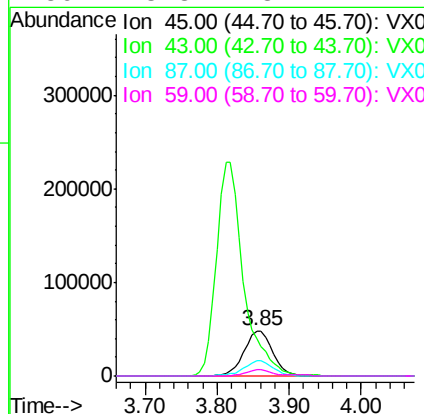
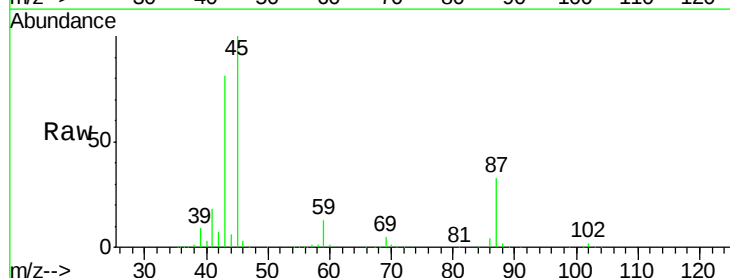
Ion Ratio Lower Upper

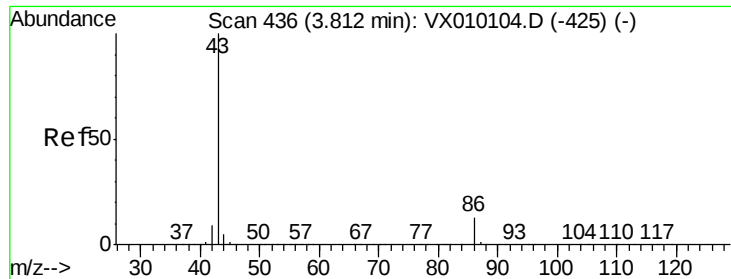
45 100

43 80.2 65.0 97.4

87 33.0 17.3 25.9#

59 13.3 8.1 12.1#





#23

Vinyl Acetate

Concen: 95.315 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBS02

Tot Ion: 43 Resp: 597438

Ion Ratio Lower Upper

43 100

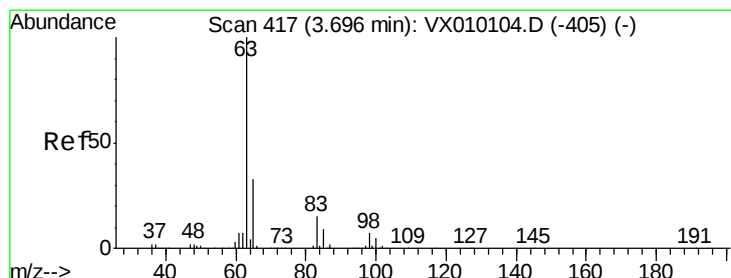
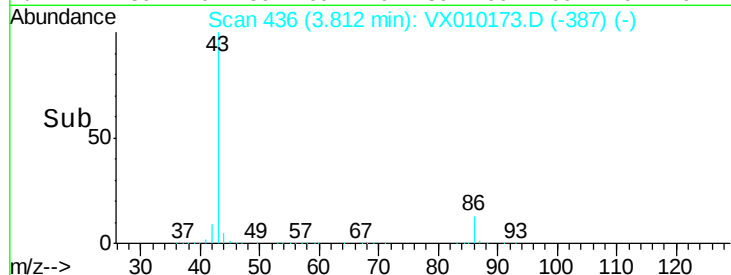
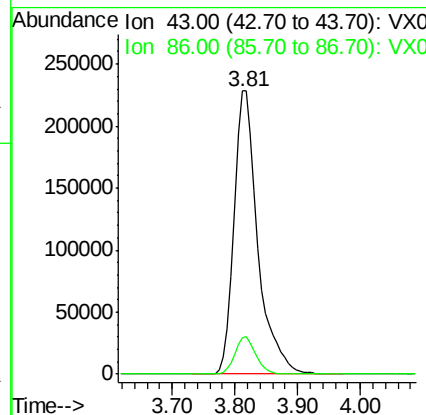
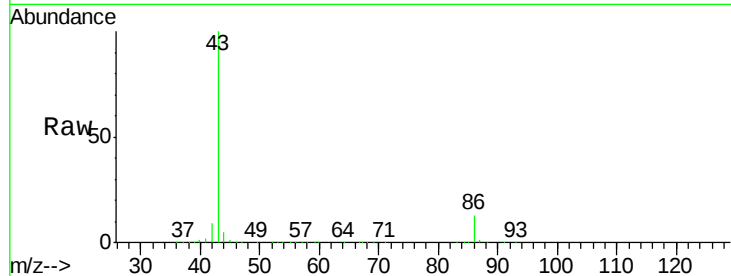
86 12.6 6.5 9.7#

Manual Integrations

APPROVED

MMDadoda

6/11/2019 11:54:14 AM



#24

1,1-Dichloroethane

Concen: 18.477 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

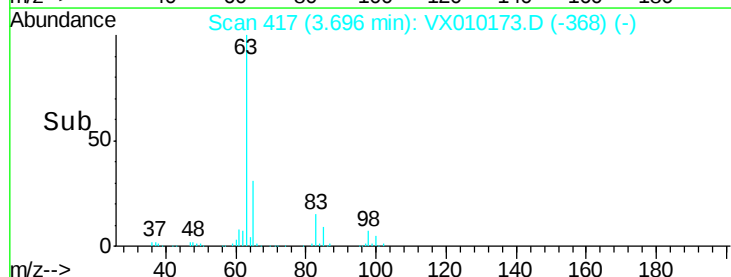
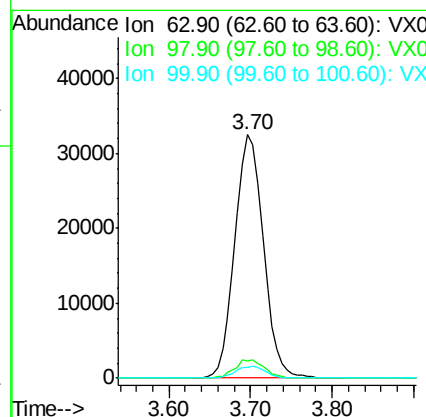
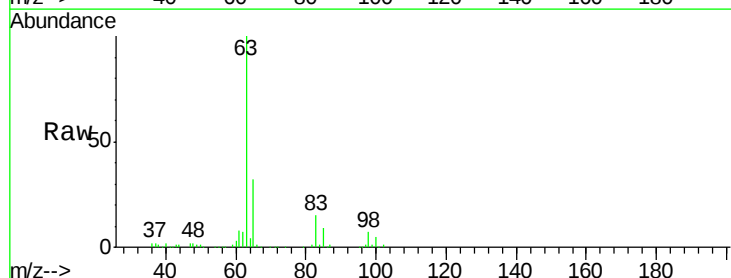
Tgt Ion: 63 Resp: 78821

Ion Ratio Lower Upper

63 100

98 7.3 2.9 8.8

100 4.6 1.8 5.4





#25

2-Butanone

Concen: 96.954 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBS02

Tot Ion: 43 Resp: 179652

Ion Ratio Lower Upper

43 100

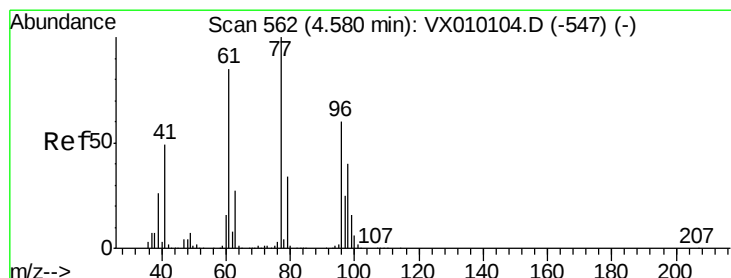
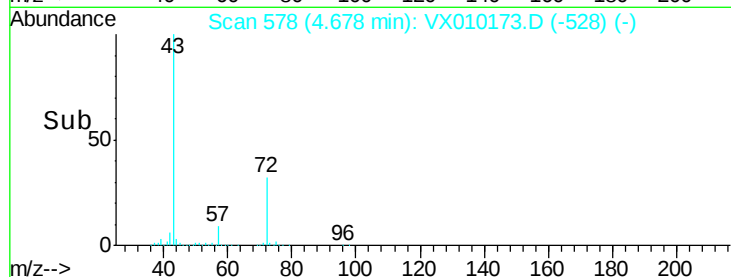
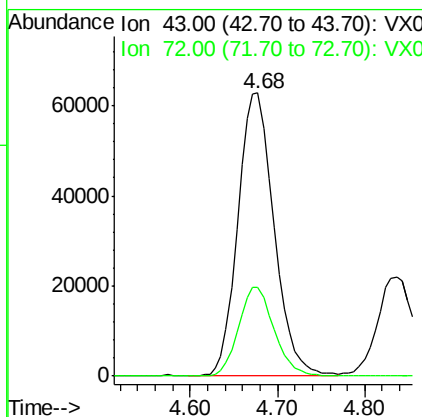
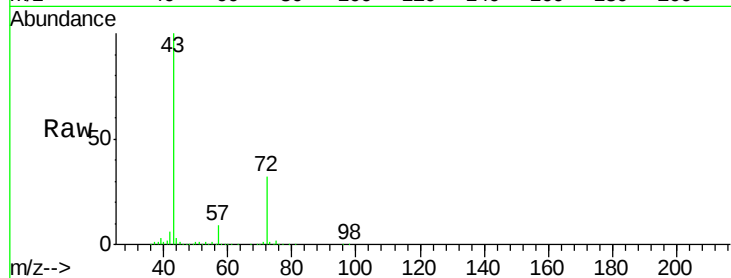
72 31.4 17.5 26.3#

Manual Integrations

APPROVED

MMDadoda

6/11/2019 11:54:14 AM



#26

2,2-Dichloropropane

Concen: 17.891 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010173.D

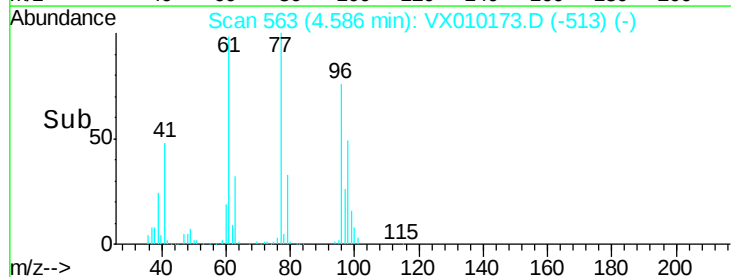
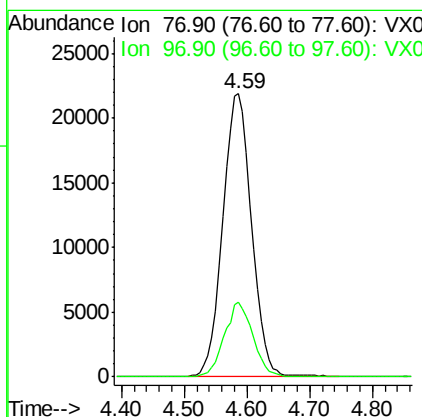
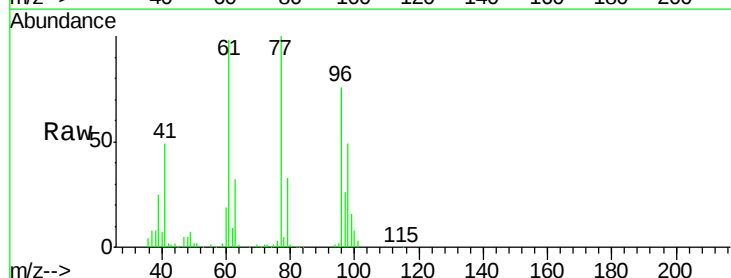
Acq: 10 Jun 2019 13:25

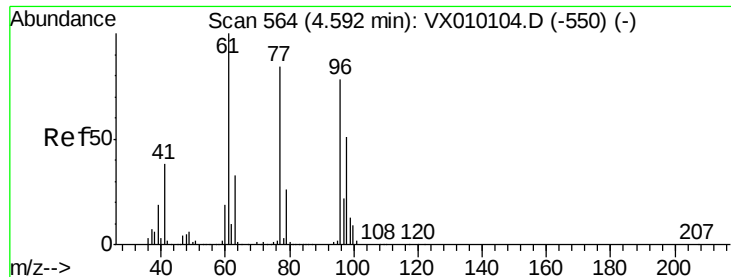
Tgt Ion: 77 Resp: 69627

Ion Ratio Lower Upper

77 100

97 26.0 11.4 34.2





#27

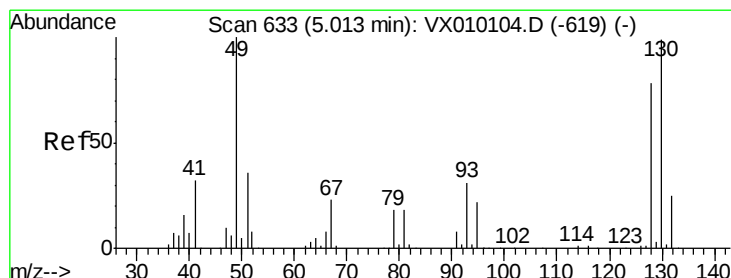
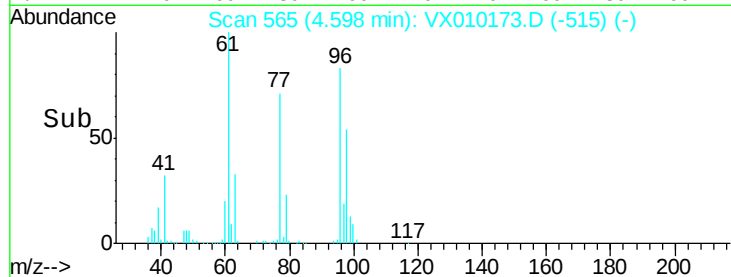
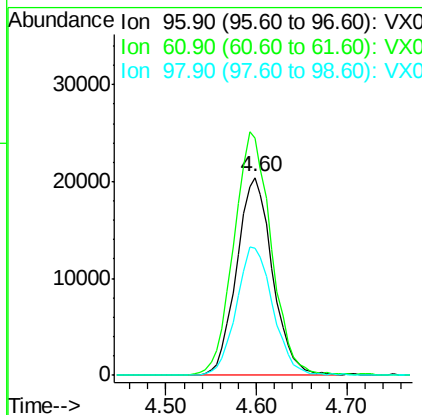
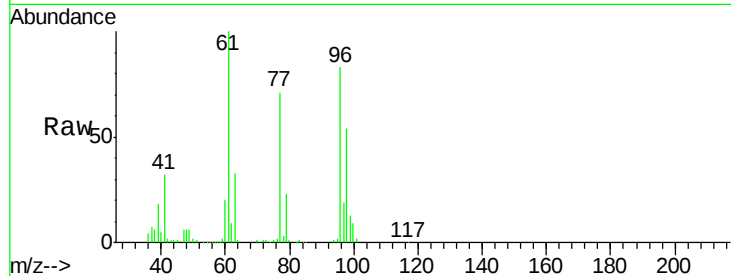
cis-1,2-Dichloroethene
Concen: 18.663 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX010173.D
Acq: 10 Jun 2019 13:25

Instrument :
MSVOA_X
ClientSampleId :
VX0610WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.2	0.0	334.0
98	66.4	0.0	131.6

Manual Integrations
APPROVED

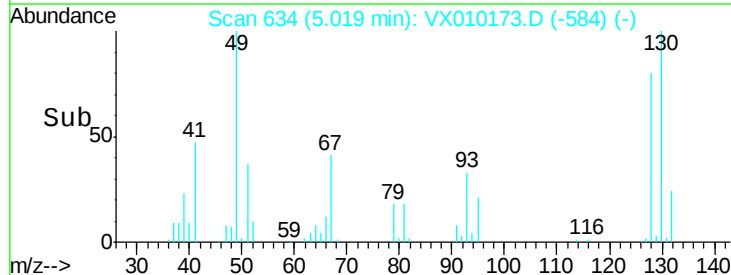
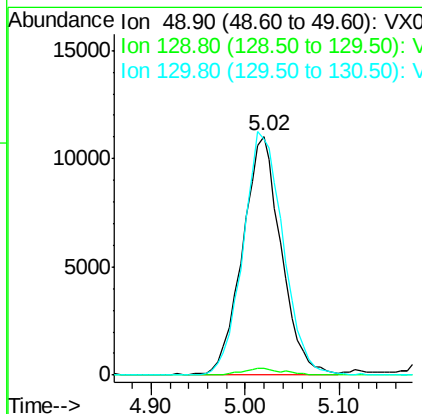
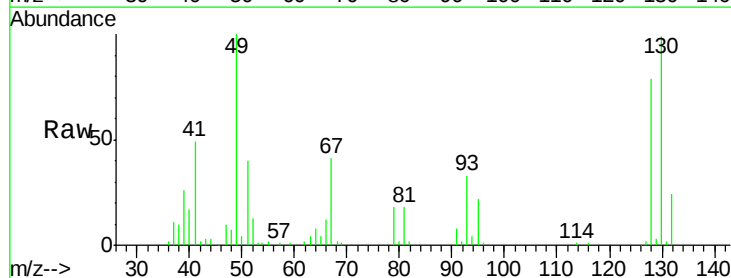
MMDadoda
6/11/2019 11:54:14 AM

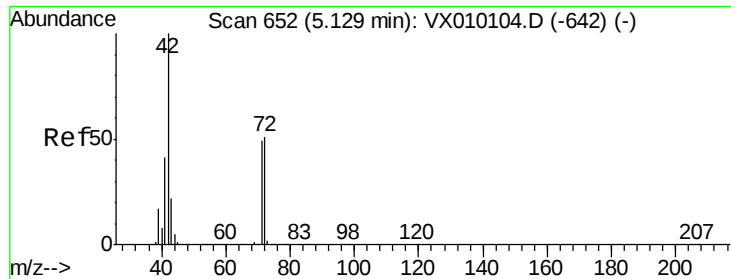


#28

Bromochloromethane
Concen: 16.616 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX010173.D
Acq: 10 Jun 2019 13:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	3.4
130	105.0	49.4	74.2#





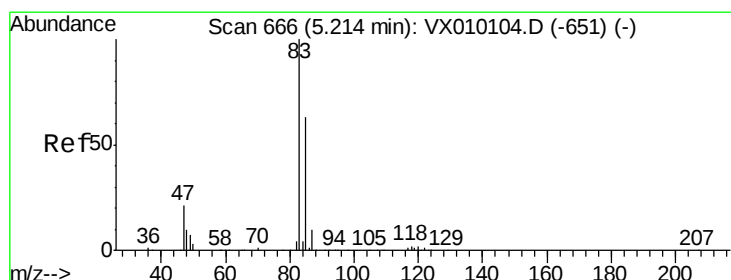
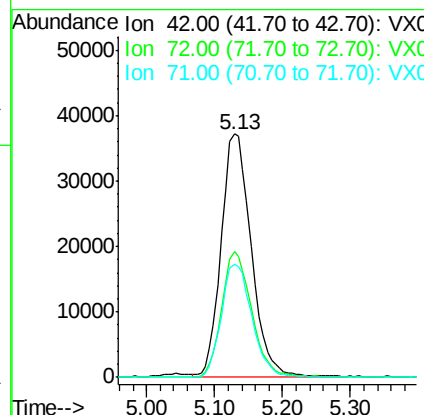
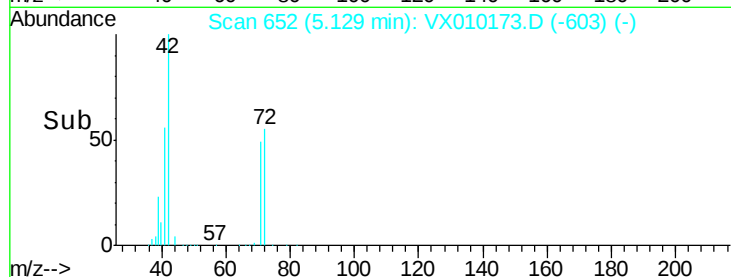
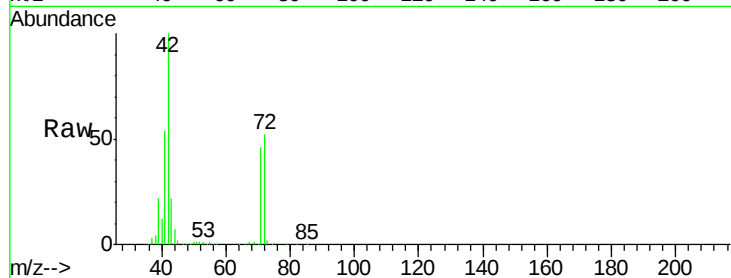
#29
Tetrahydrofuran
Concen: 97.444 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010173.D
Acq: 10 Jun 2019 13:25

Instrument :
MSVOA_X
ClientSampleId :
VX0610WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.0	29.2	43.8#
71	48.0	27.6	41.4#

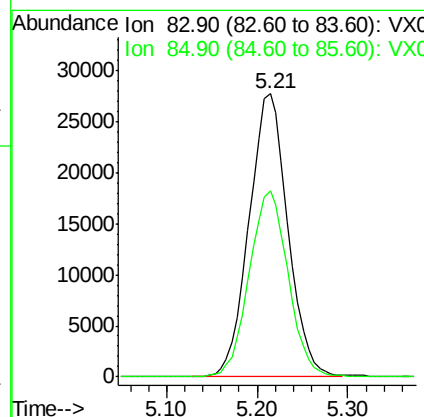
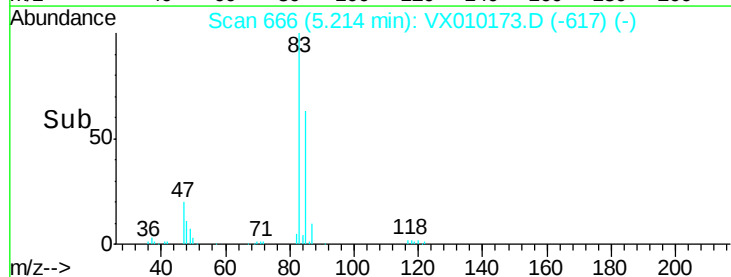
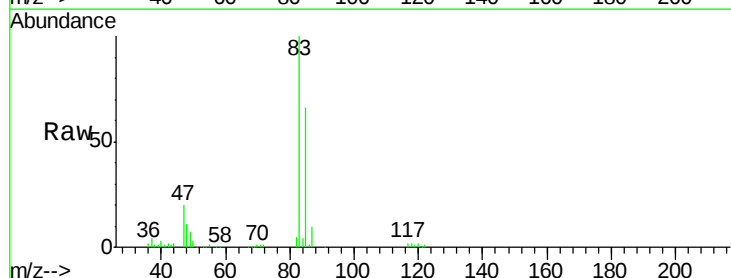
Manual Integrations
APPROVED

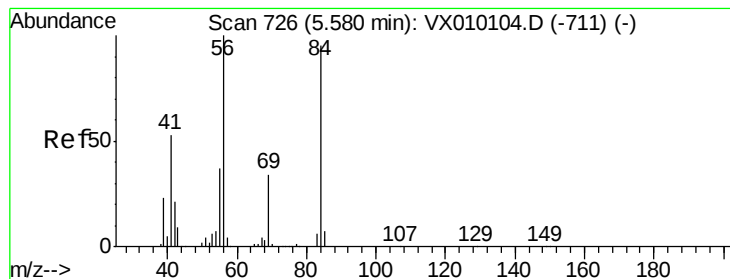
MMDadoda
6/11/2019 11:54:14 AM



#30
Chloroform
Concen: 18.573 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX010173.D
Acq: 10 Jun 2019 13:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.6	78.8





#31

Cyclohexane

Concen: 19.291 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

Instrument :

MSVOA_X

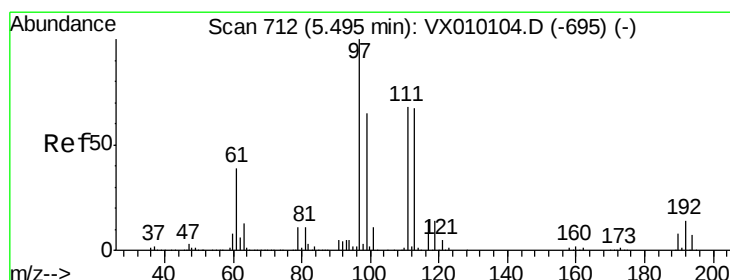
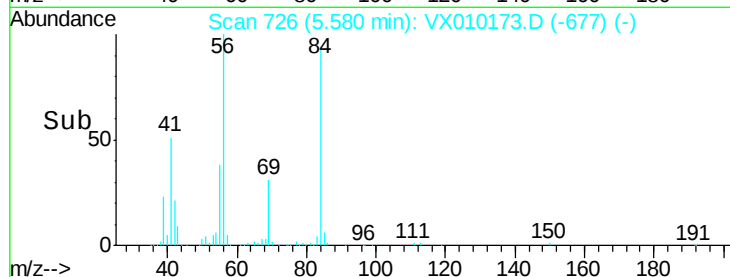
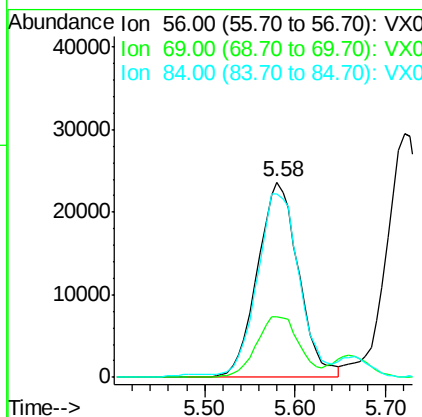
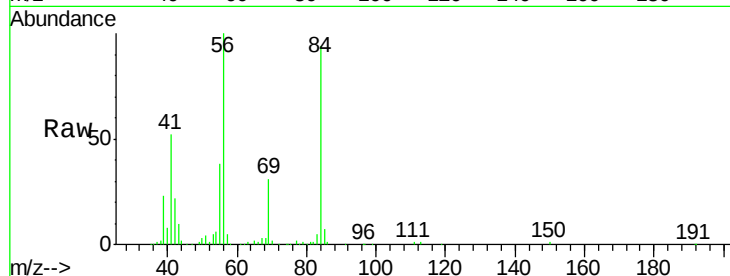
ClientSampleId :

VX0610WBS02

Tot Ion:	56	Resp:	74270
Ion	Ratio	Lower	Upper
56	100		
69	30.8	21.6	32.4
84	92.2	56.8	85.2#

Manual Integrations
APPROVED

MMDadoda
6/11/2019 11:54:14 AM



#32

1,1,1-Trichloroethane

Concen: 18.009 ug/l

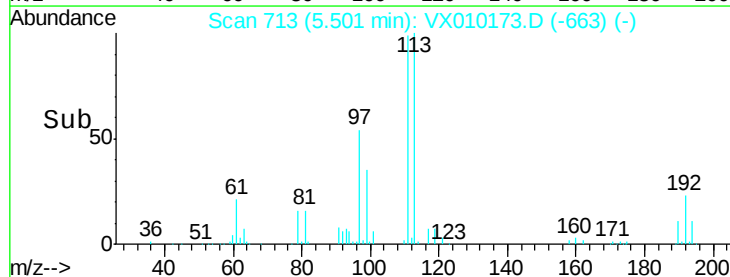
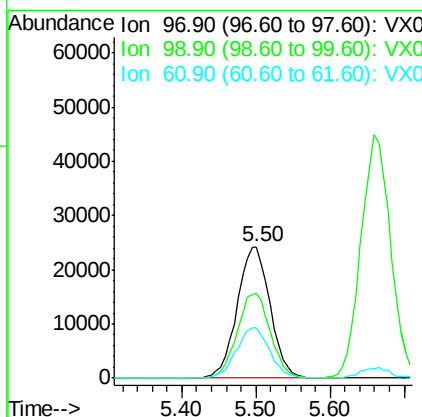
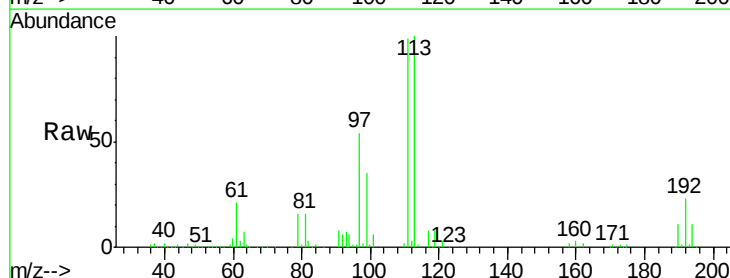
RT: 5.50 min Scan# 713

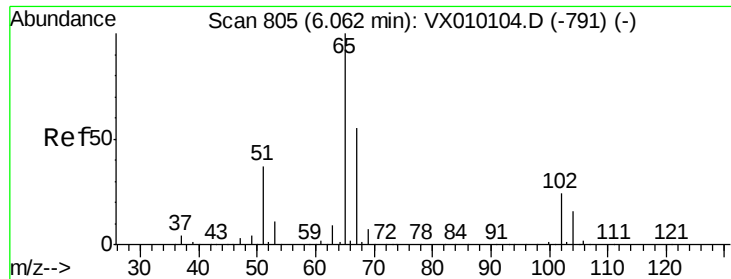
Delta R.T. 0.01 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

Tgt Ion:	97	Resp:	75008
Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.0	76.4
61	38.7	38.7	58.1#





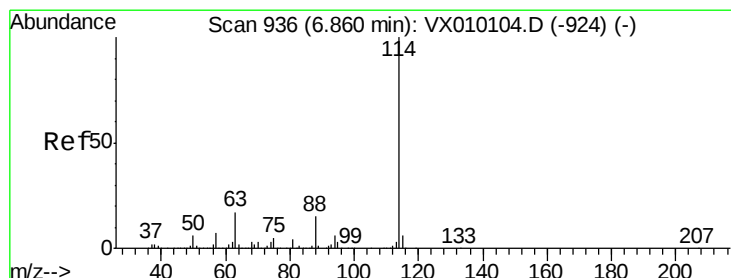
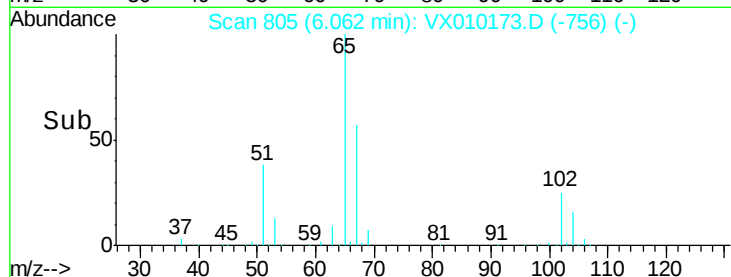
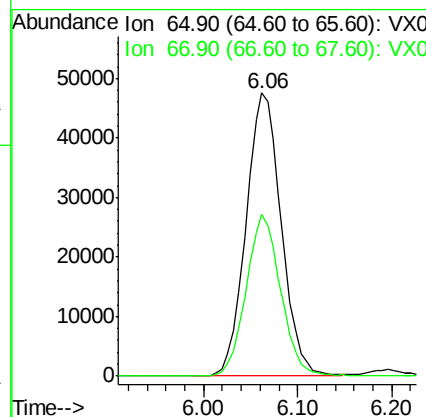
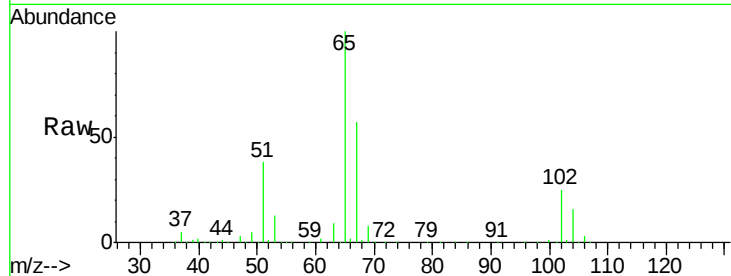
#33
 1,2-Dichloroethane-d4
 Concen: 47.095 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010173.D
 Acq: 10 Jun 2019 13:25

Instrument :
 MSVOA_X
 ClientSampled :
 VX0610WBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.9	0.0	108.4

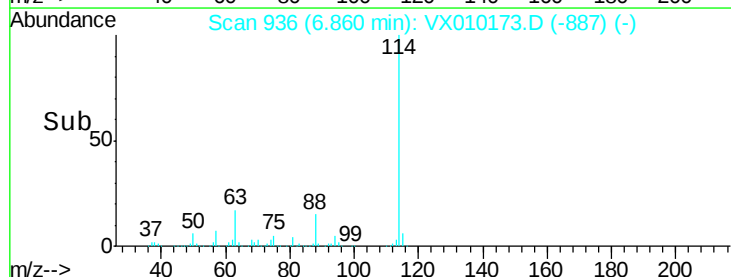
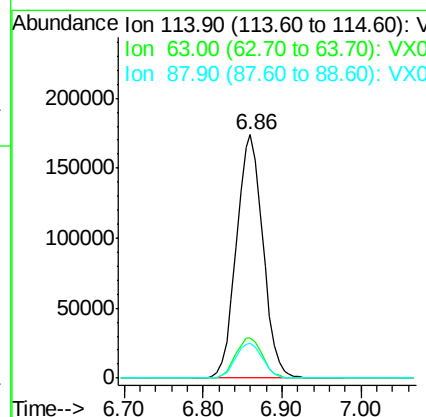
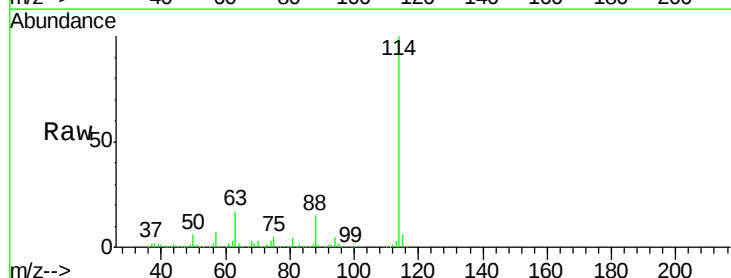
Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 11:54:14 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010173.D
 Acq: 10 Jun 2019 13:25

Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.7	0.0	47.4
88	14.6	0.0	33.0





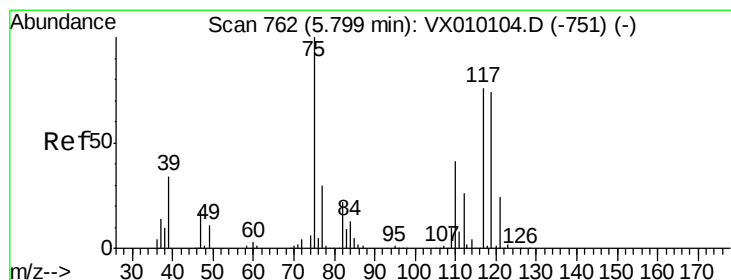
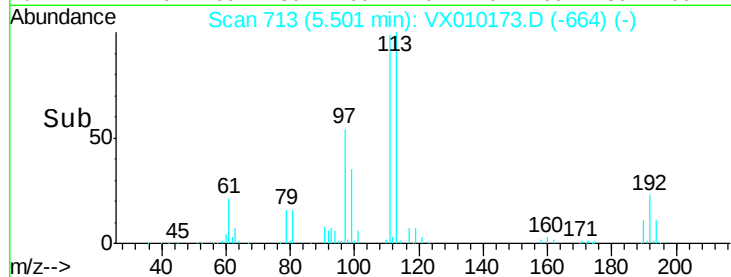
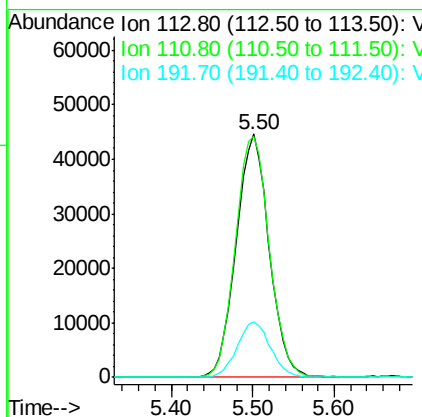
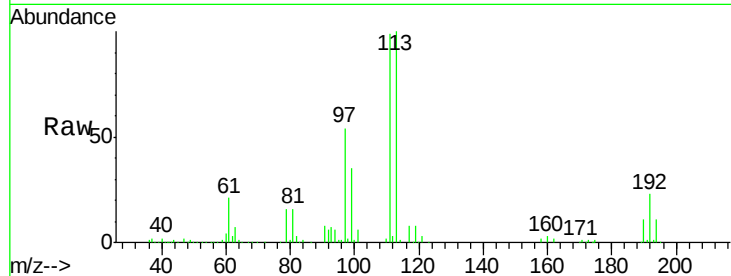
#35
Dibromofluoromethane
Concen: 49.995 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010173.D
Acq: 10 Jun 2019 13:25

Instrument :
MSVOA_X
ClientSampleId :
VX0610WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	125113		
111	102.2	82.2	123.2	
192	23.0	17.1	25.7	

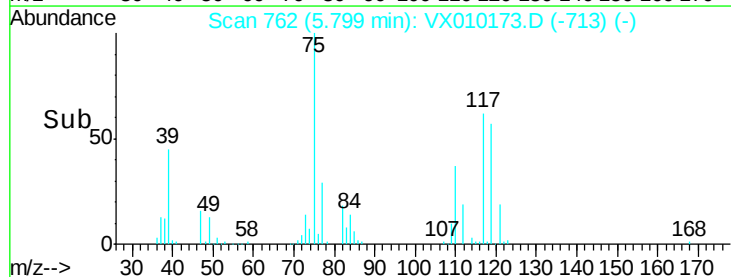
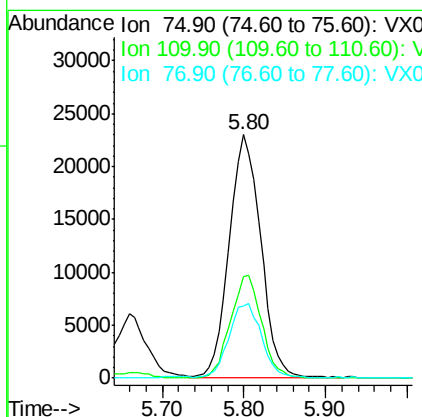
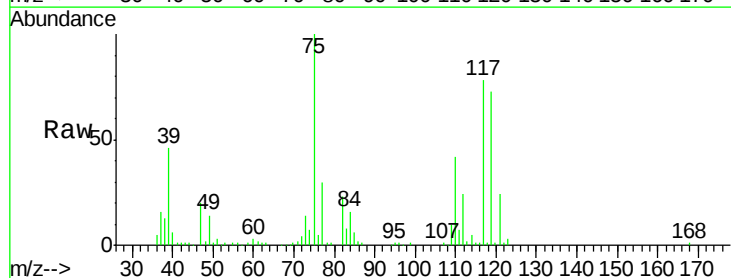
Manual Integrations
APPROVED

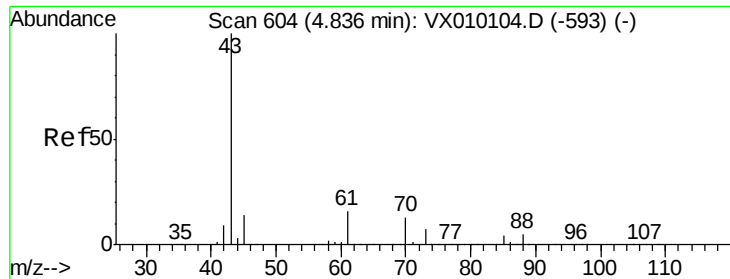
MMDadoda
6/11/2019 11:54:14 AM



#36
1,1-Dichloropropene
Concen: 18.705 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX010173.D
Acq: 10 Jun 2019 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	61913		
110	41.4	16.7	50.1	
77	31.7	25.0	37.4	





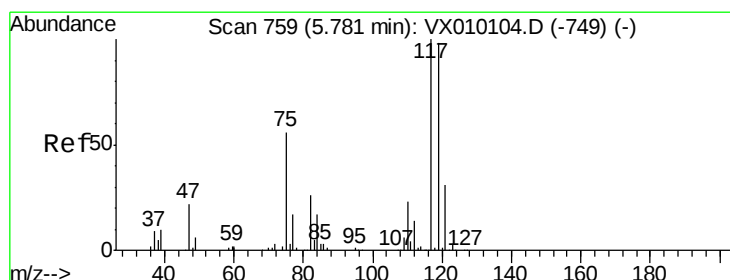
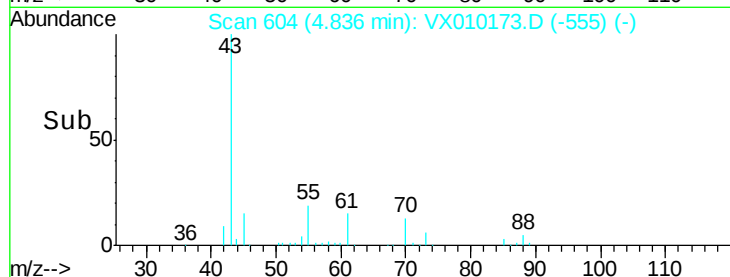
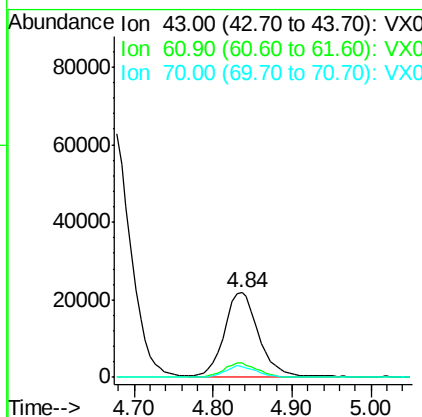
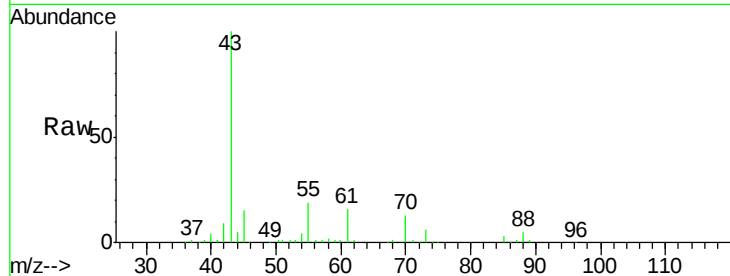
#37
Ethyl Acetate
Concen: 18.867 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX010173.D
Acq: 10 Jun 2019 13:25

Instrument :
MSVOA_X
ClientSampleId :
VX0610WBS02

Tot Ion	43	Resp	64978
Ion Ratio	100	Lower	Upper
43	100		
61	17.5	10.2	15.2#
70	13.2	7.4	11.2#

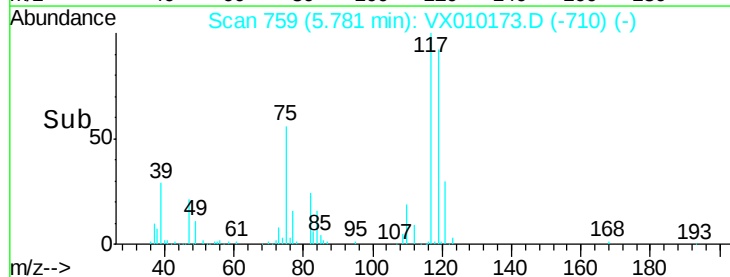
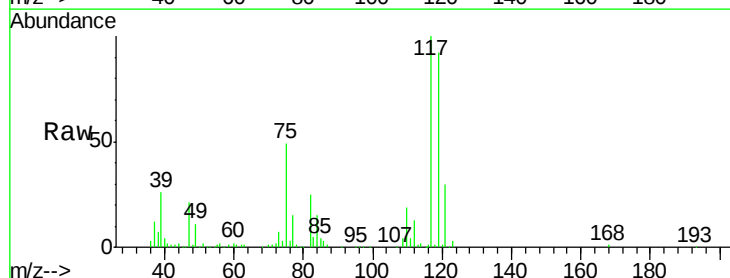
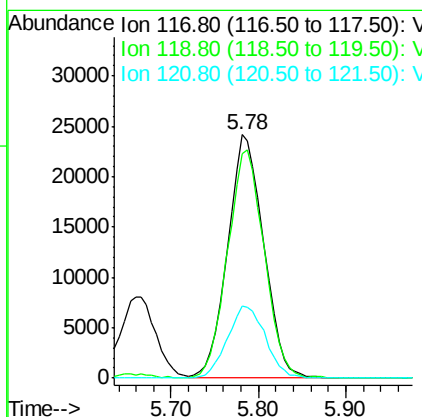
Manual Integrations
APPROVED

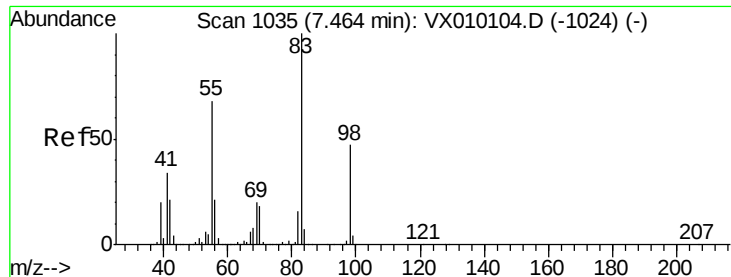
MMDadoda
6/11/2019 11:54:14 AM



#38
Carbon Tetrachloride
Concen: 18.455 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX010173.D
Acq: 10 Jun 2019 13:25

Tgt Ion	117	Resp	69142
Ion Ratio	100	Lower	Upper
117	100		
119	92.2	77.3	115.9
121	29.9	25.4	38.0





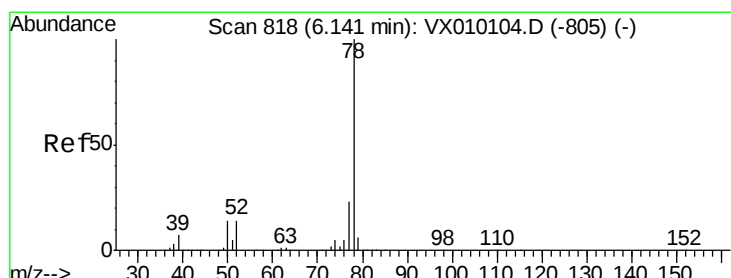
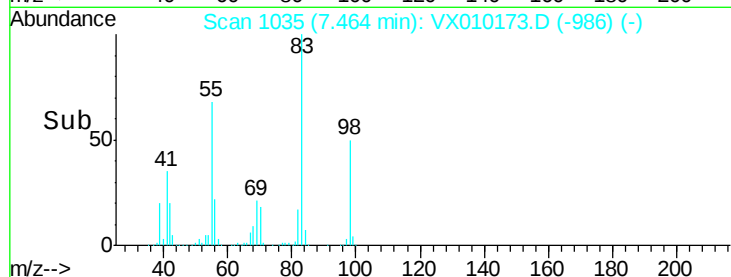
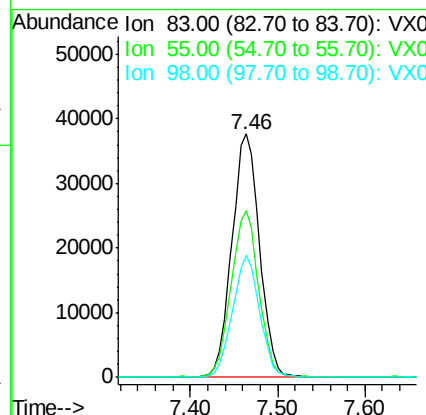
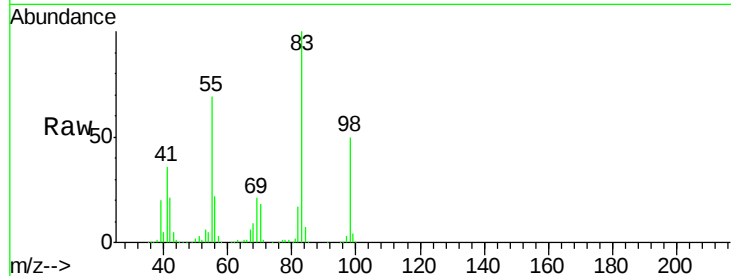
#39
Methvlcvclohexane
Concen: 18.392 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010173.D
Acq: 10 Jun 2019 13:25

Instrument :
MSVOA_X
ClientSampleId :
VX0610WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.2	69.9	104.9#
98	50.0	35.1	52.7

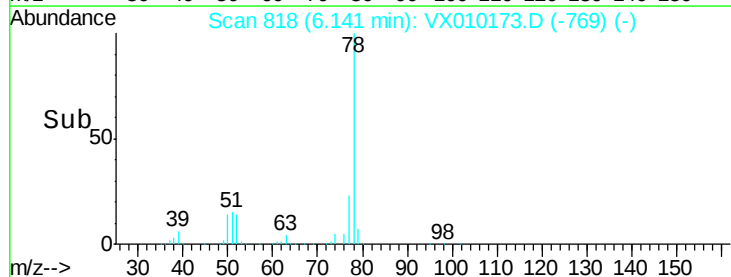
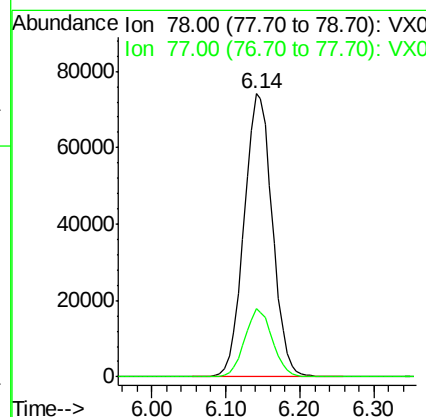
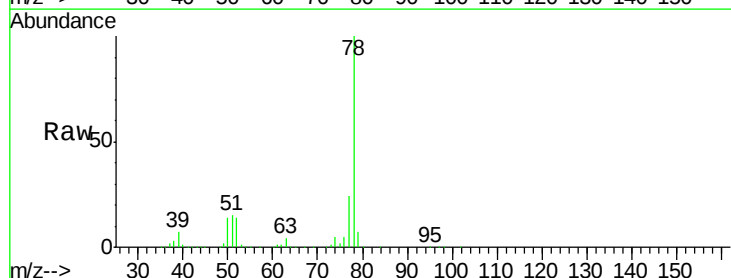
Manual Integrations
APPROVED

MMDadoda
6/11/2019 11:54:14 AM



#40
Benzene
Concen: 19.279 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010173.D
Acq: 10 Jun 2019 13:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.2	28.8





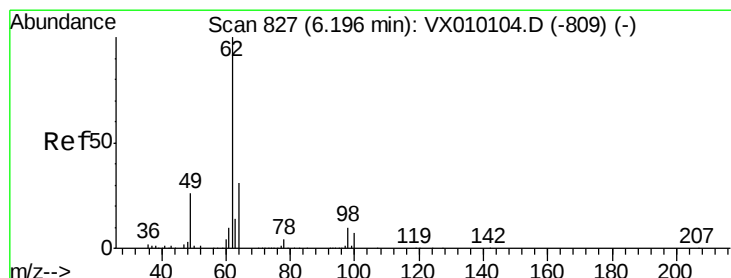
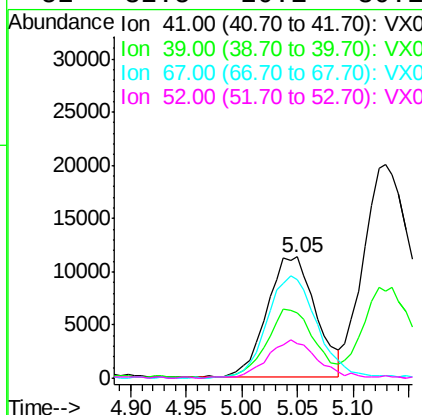
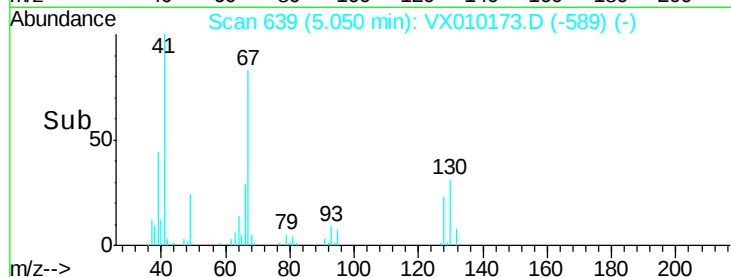
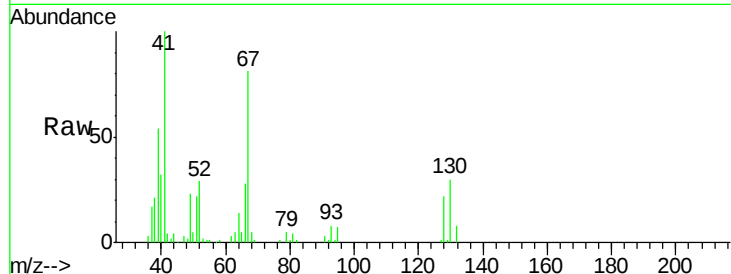
#41
Methacrylonitrile
Concen: 18.674 ug/l
RT: 5.05 min Scan# 639
Delta R.T. 0.01 min
Lab File: VX010173.D
Acq: 10 Jun 2019 13:25

Instrument :
MSVOA_X
ClientSampleId :
VX0610WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.3	42.2	63.4
67	87.7	48.9	73.3#
52	32.5	20.1	30.1#

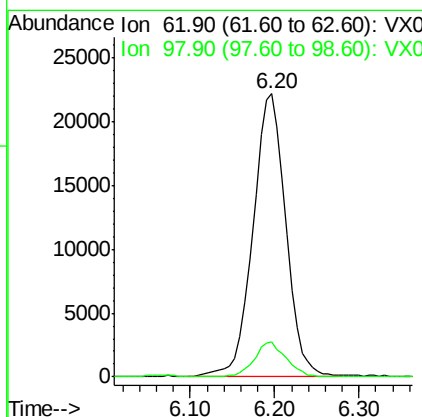
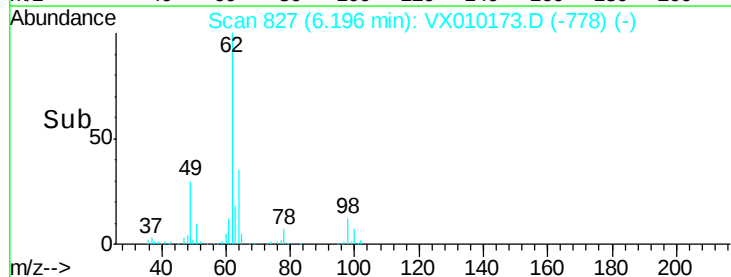
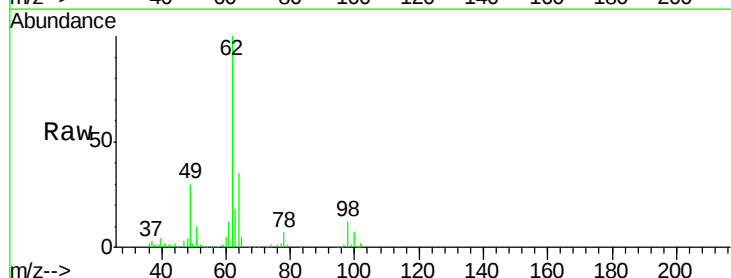
Manual Integrations
APPROVED

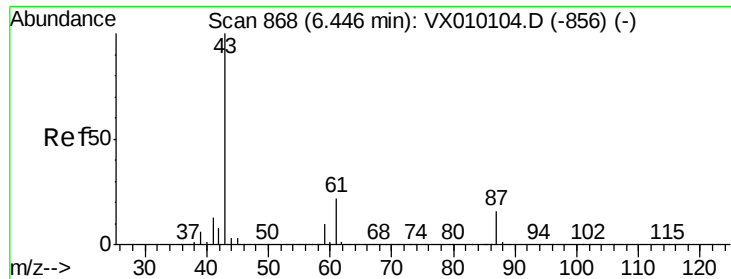
MMDadoda
6/11/2019 11:54:14 AM



#42
1,2-Dichloroethane
Concen: 18.135 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX010173.D
Acq: 10 Jun 2019 13:25

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.9	0.0	17.2





#43

Isopropyl Acetate

Concen: 18.617 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBS02

Tot Ion: 43 Resp: 107200

Ion Ratio Lower Upper

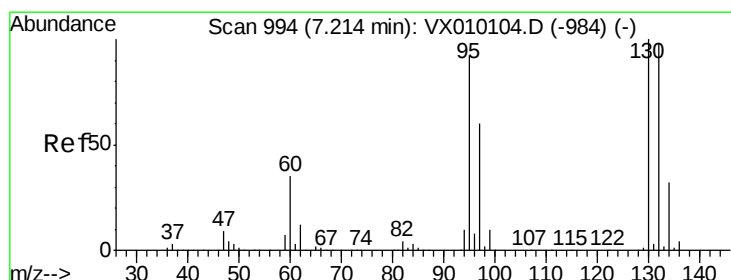
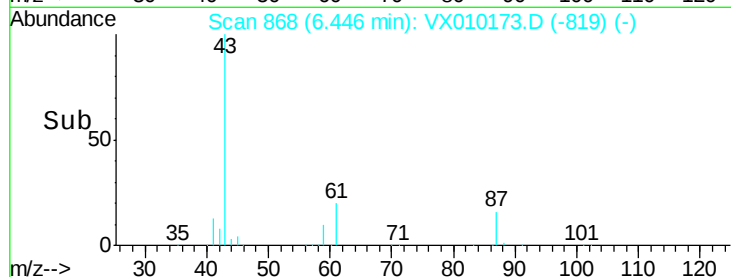
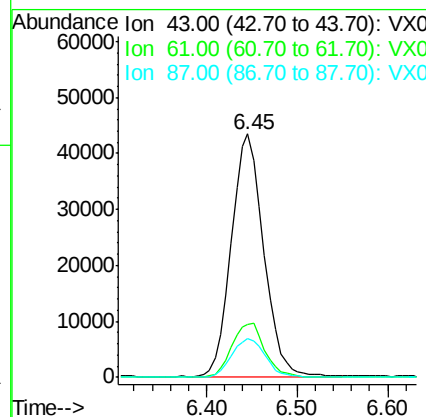
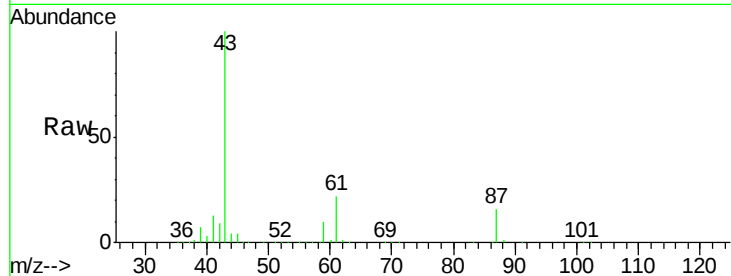
43 100

61 22.9 14.6 21.8#

87 16.7 8.7 13.1#

Manual Integrations
APPROVED

MMDadoda
6/11/2019 11:54:14 AM



#44

Trichloroethene

Concen: 18.749 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX010173.D

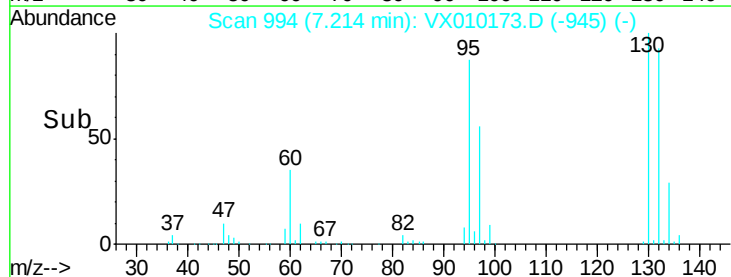
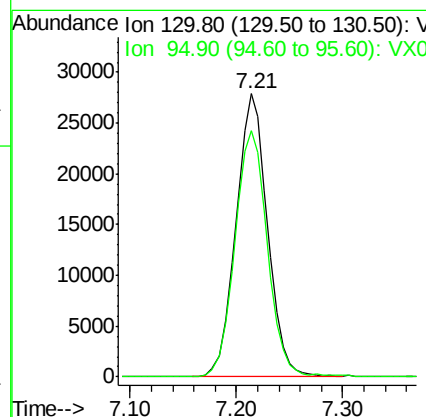
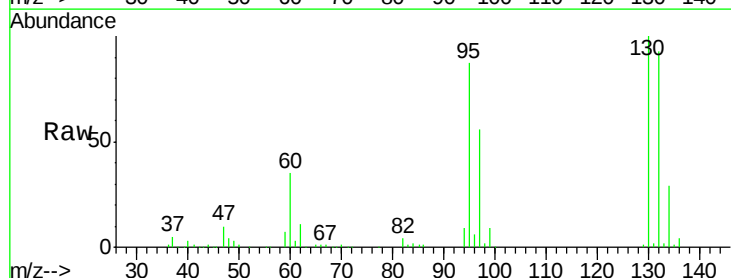
Acq: 10 Jun 2019 13:25

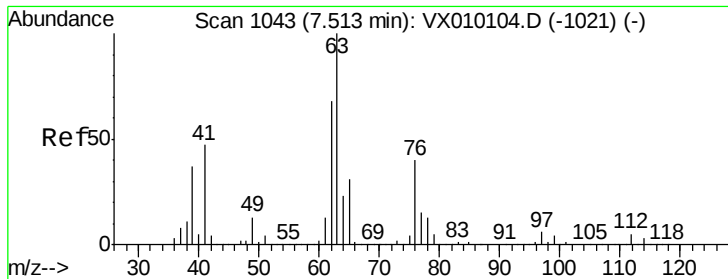
Tgt Ion:130 Resp: 57844

Ion Ratio Lower Upper

130 100

95 87.1 0.0 207.4





#45

1,2-Dichloropropane

Concen: 19.040 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBS02

Tot Ion: 63 Resp: 48777

Ion Ratio Lower Upper

63 100

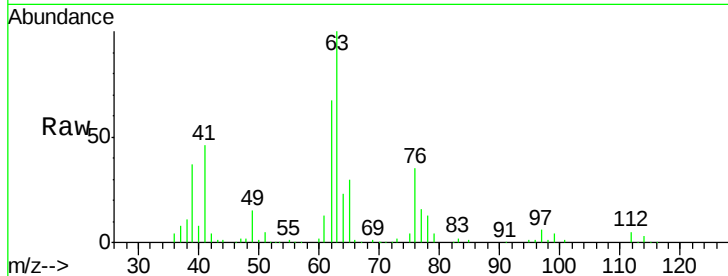
65 29.4 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

6/11/2019 11:54:14 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

25000

20000

15000

10000

5000

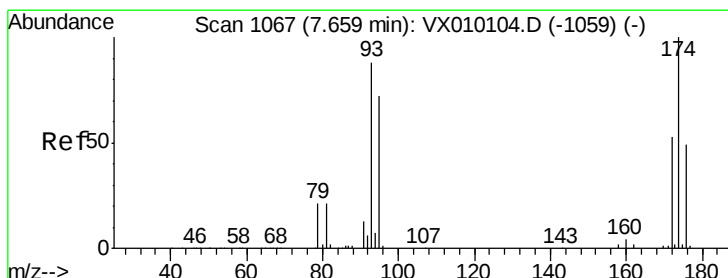
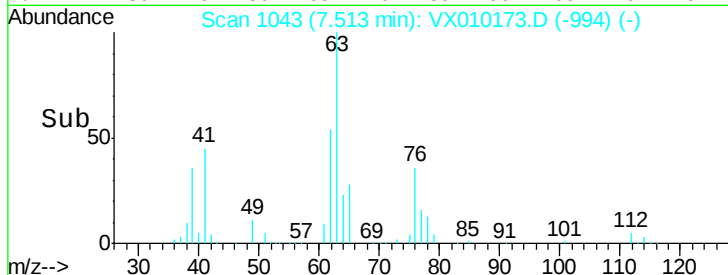
0

Time-->

7.40

7.50

7.60



#46

Dibromomethane

Concen: 18.088 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

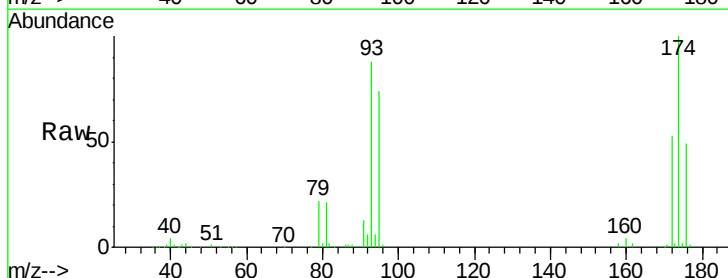
Tgt Ion: 93 Resp: 34715

Ion Ratio Lower Upper

93 100

95 87.1 66.8 100.2

174 123.1 81.9 122.9#



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

30000

25000

20000

15000

10000

5000

0

Time-->

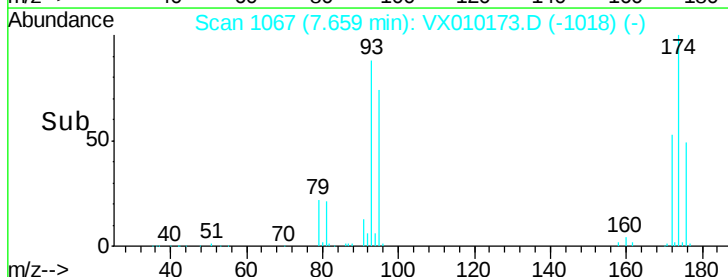
7.55

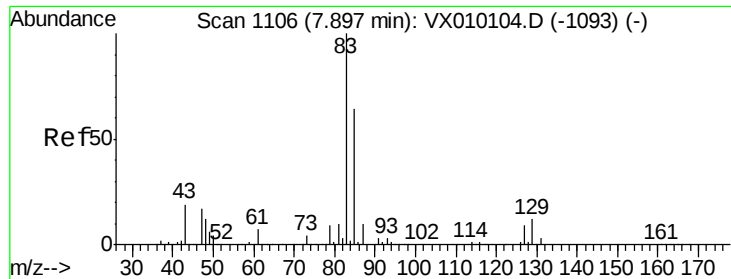
7.60

7.65

7.70

7.75





#47

Bromodichloromethane

Concen: 18.840 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

Instrument :

MSVOA_X

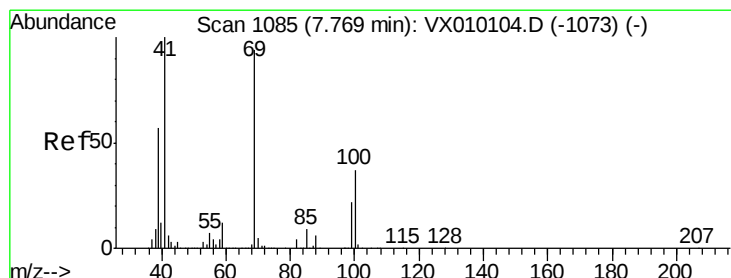
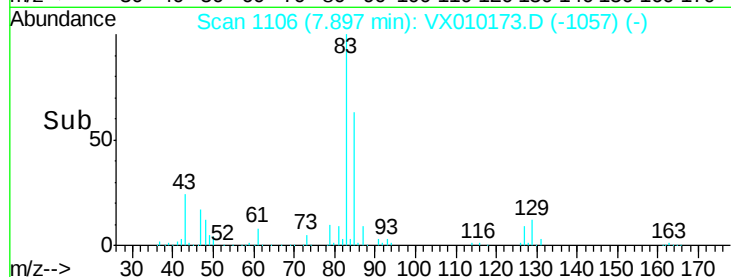
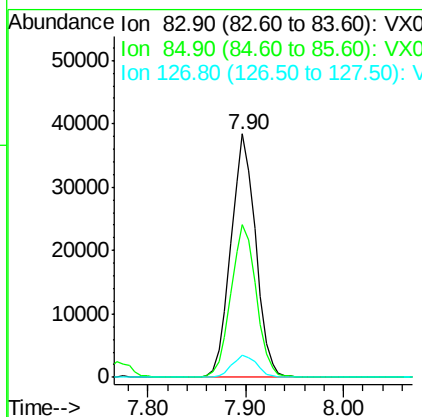
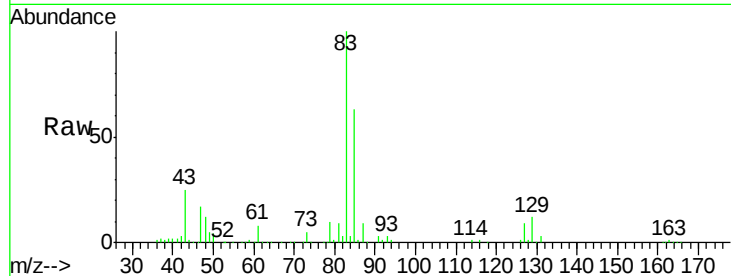
ClientSampleId :

VX0610WBS02

Tot Ion:	83	Resp:	67564
Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.4	77.2
127	9.2	6.4	9.6

Manual Integrations
APPROVED

MMDadoda
6/11/2019 11:54:14 AM



#48

Methyl methacrylate

Concen: 18.461 ug/l

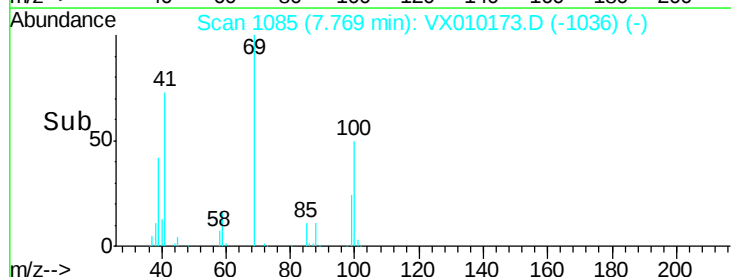
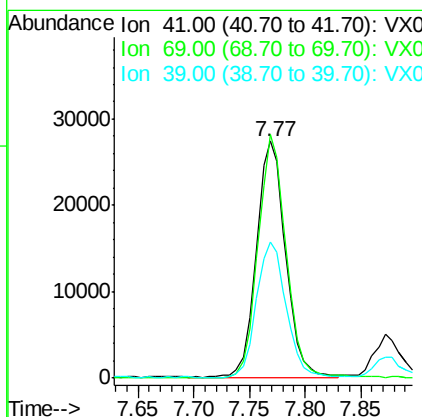
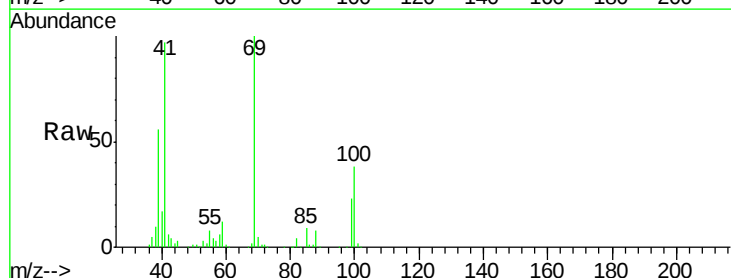
RT: 7.77 min Scan# 1085

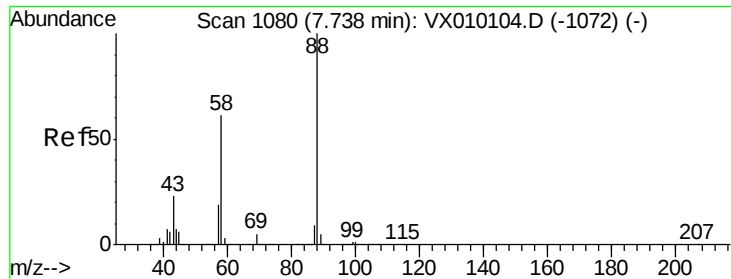
Delta R.T. 0.00 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

Tgt Ion:	41	Resp:	49715
Ion	Ratio	Lower	Upper
41	100		
69	100.6	56.4	84.6#
39	58.8	40.6	60.8





#49

1,4-Dioxane

Concen: 406.410 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

Instrument :

MSVOA_X

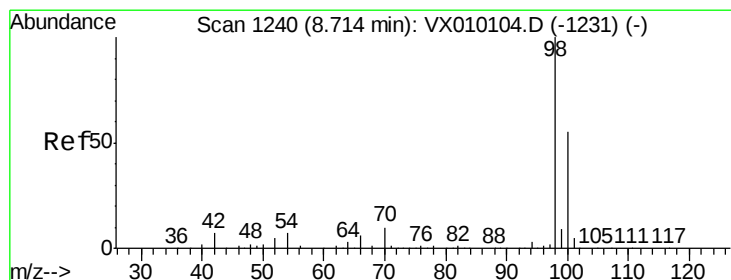
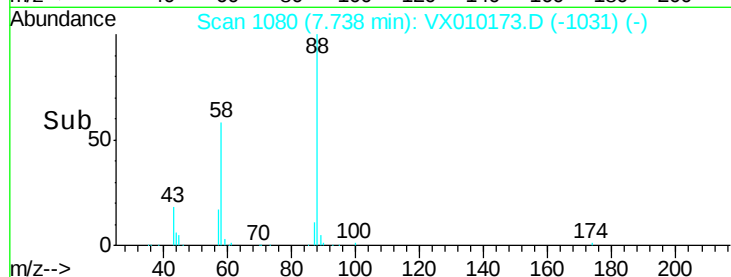
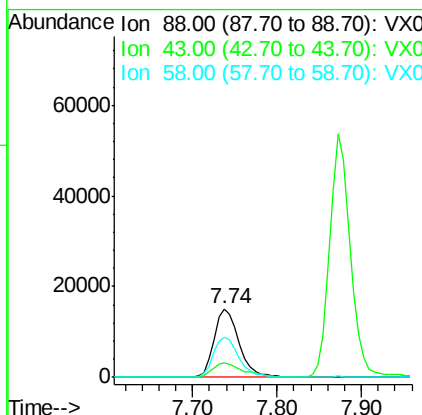
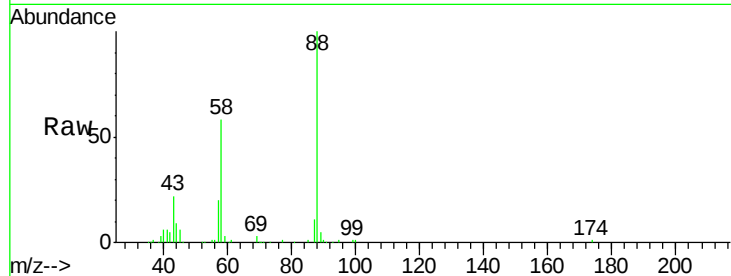
ClientSampleId :

VX0610WBS02

Tot Ion:	88	Resp:	31204
Ion	Ratio	Lower	Upper
88	100		
43	23.6	30.2	45.4#
58	60.6	64.0	96.0#

Manual Integrations
APPROVED

MMDadoda
6/11/2019 11:54:14 AM



#50

Toluene-d8

Concen: 51.126 ug/l

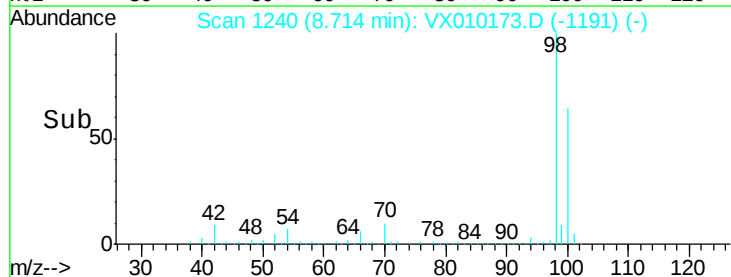
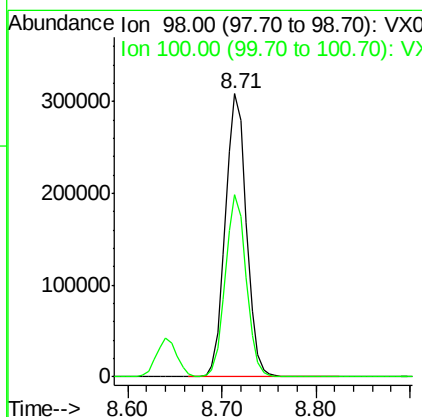
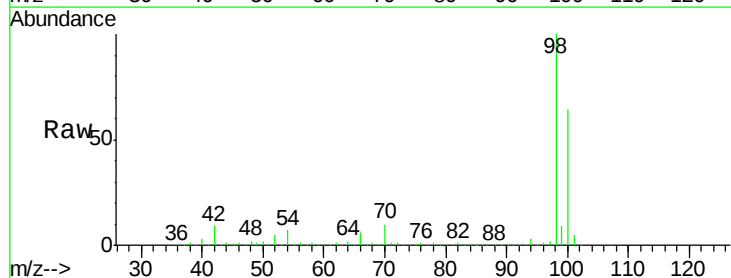
RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

Tgt Ion:	98	Resp:	479515
Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 100.578 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

Instrument :

MSVOA_X

ClientSampled :

VX0610WBS02

Tot Ion: 43 Resp: 345984

Ion Ratio Lower Upper

43 100

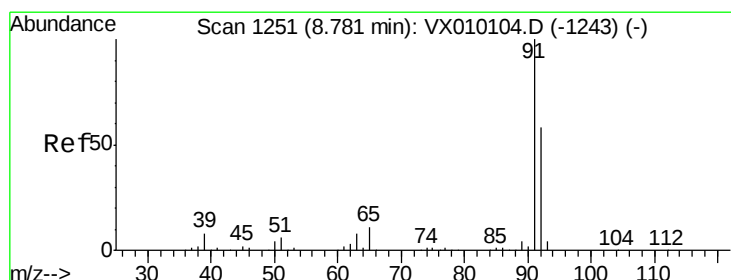
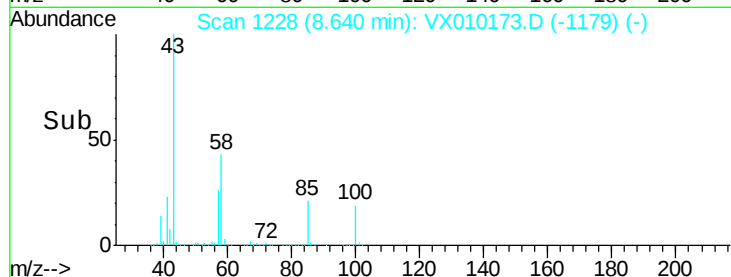
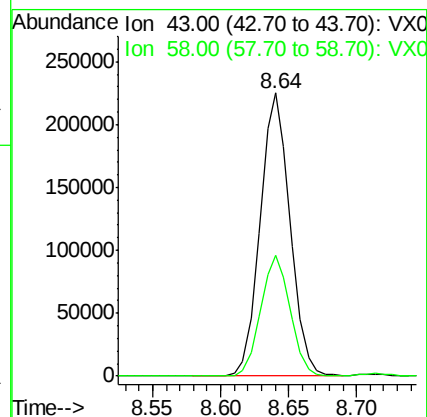
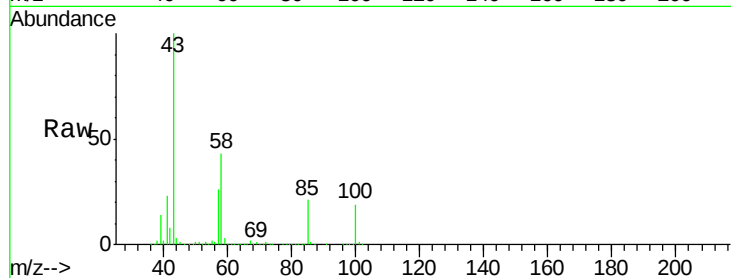
58 42.2 28.8 43.2

Manual Integrations

APPROVED

MMDadoda

6/11/2019 11:54:14 AM



#52

Toluene

Concen: 19.075 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX010173.D

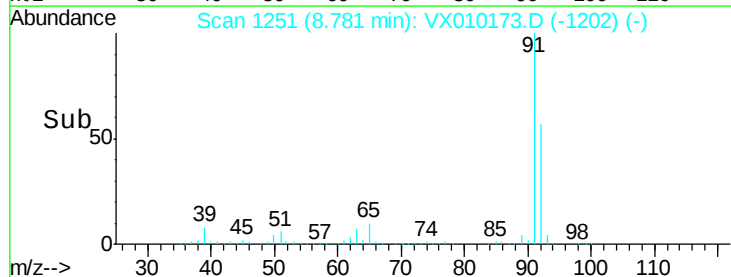
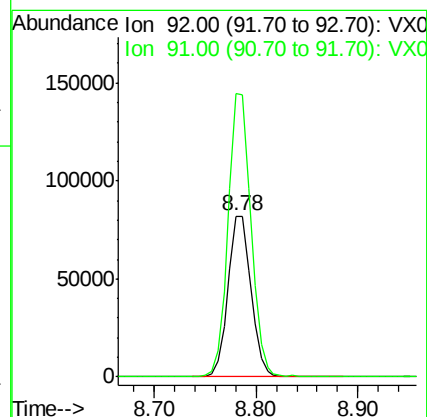
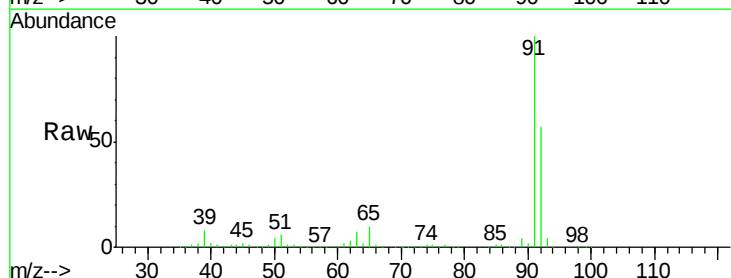
Acq: 10 Jun 2019 13:25

Tgt Ion: 92 Resp: 128335

Ion Ratio Lower Upper

92 100

91 175.3 139.9 209.9





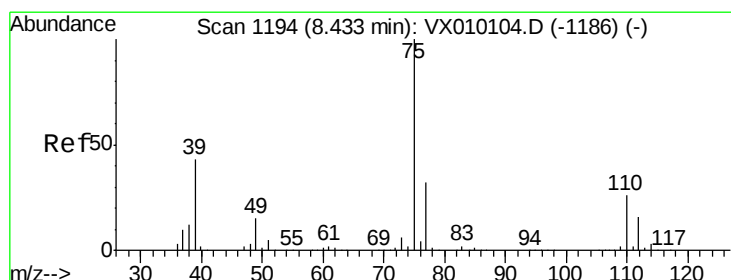
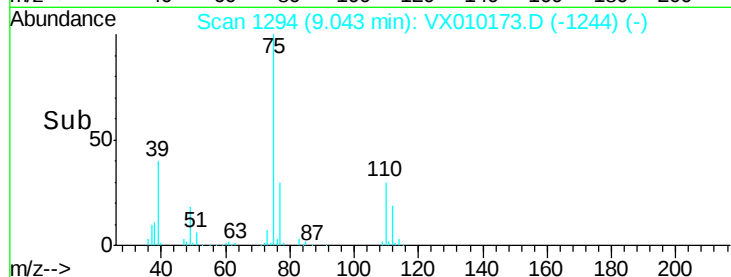
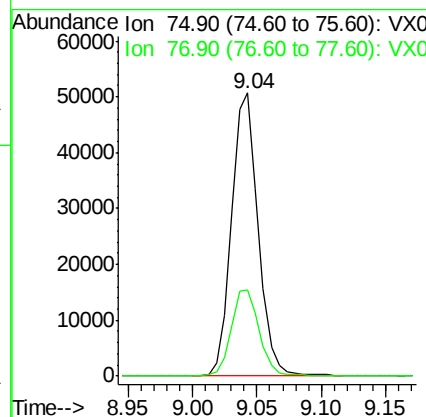
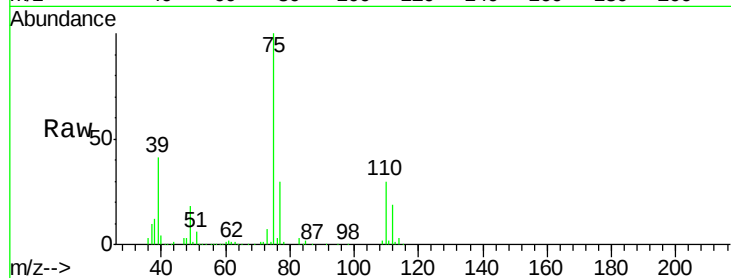
#53
t-1,3-Dichloropropene
Concen: 17.737 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010173.D
Acq: 10 Jun 2019 13:25

Instrument :
MSVOA_X
ClientSampleId :
VX0610WBS02

Tot Ion: 75 Resp: 73574
Ion Ratio Lower Upper
75 100
77 30.3 24.6 36.8

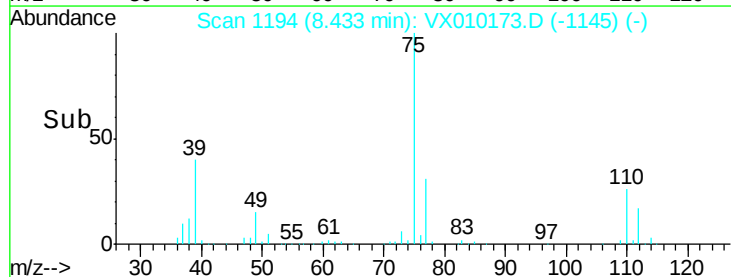
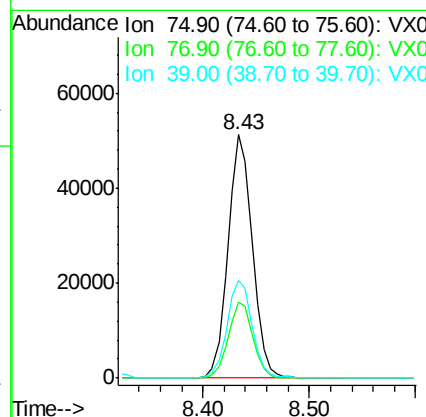
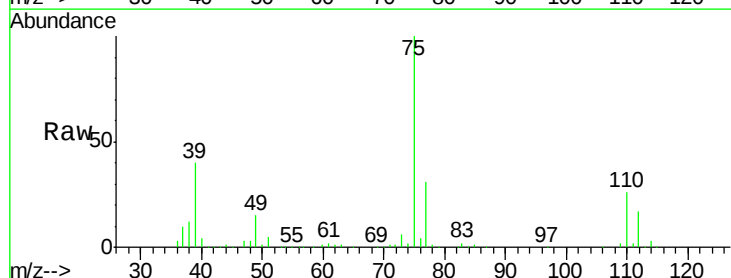
Manual Integrations
APPROVED

MMDadoda
6/11/2019 11:54:14 AM



#54
cis-1,3-Dichloropropene
Concen: 18.474 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010173.D
Acq: 10 Jun 2019 13:25

Tgt Ion: 75 Resp: 82154
Ion Ratio Lower Upper
75 100
77 31.1 24.8 37.2
39 39.8 43.4 65.0#





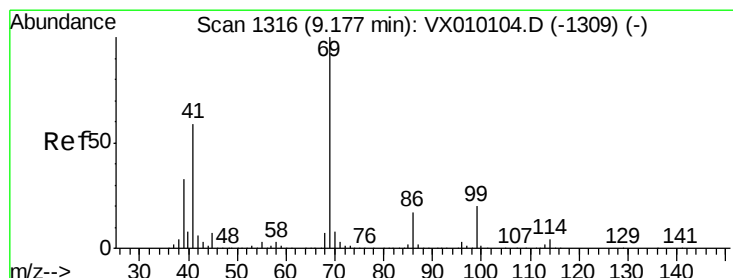
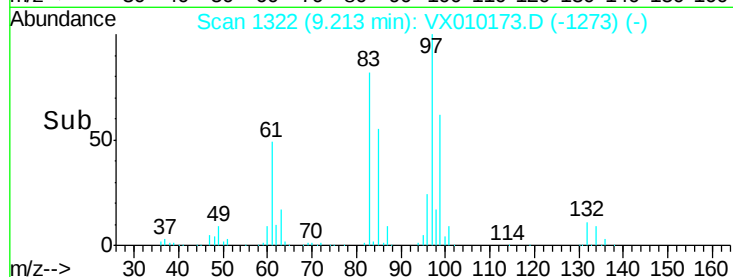
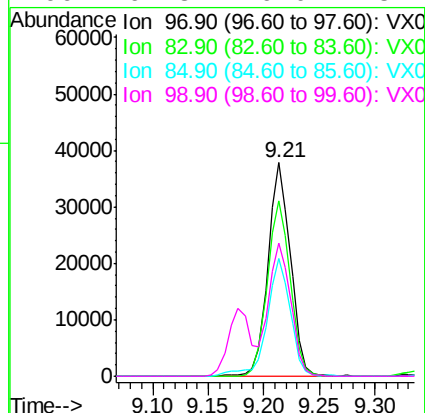
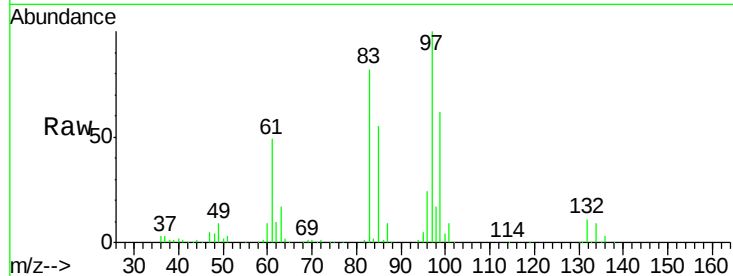
#55
 1,1,2-Trichloroethane
 Concen: 19.494 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010173.D
 Acq: 10 Jun 2019 13:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0610WBS02

Tot Ion:	97	Resp:	53714
Ion Ratio	Lower	Upper	
97	100		
83	82.4	69.8	104.8
85	55.1	45.3	67.9
99	62.3	49.0	73.4

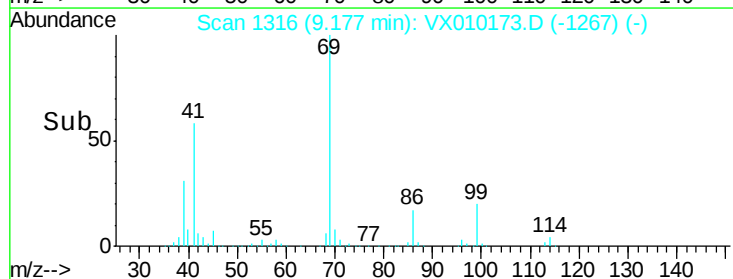
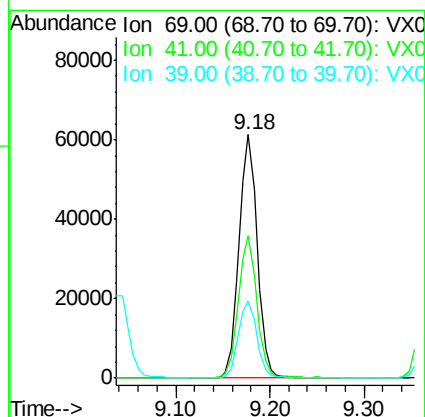
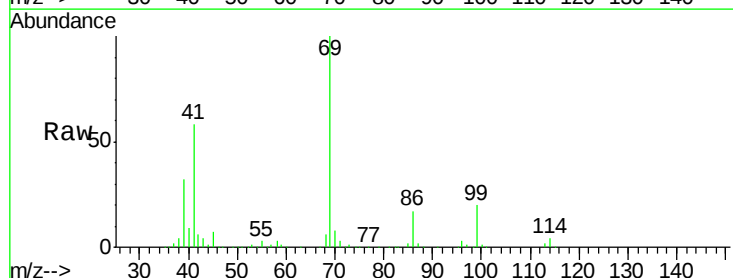
Manual Integrations
 APPROVED

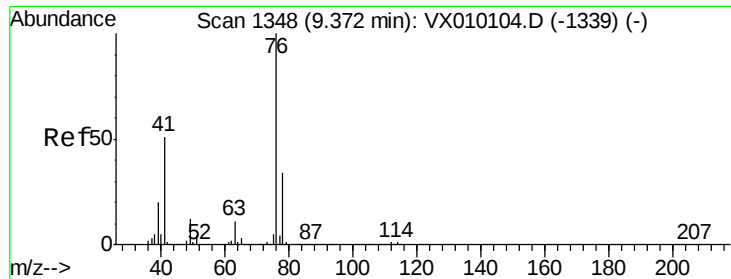
MMDadoda
 6/11/2019 11:54:14 AM



#56
 Ethyl methacrylate
 Concen: 19.124 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010173.D
 Acq: 10 Jun 2019 13:25

Tgt Ion:	69	Resp:	83239
Ion Ratio	Lower	Upper	
69	100		
41	58.0	62.7	94.1#
39	32.1	29.5	44.3





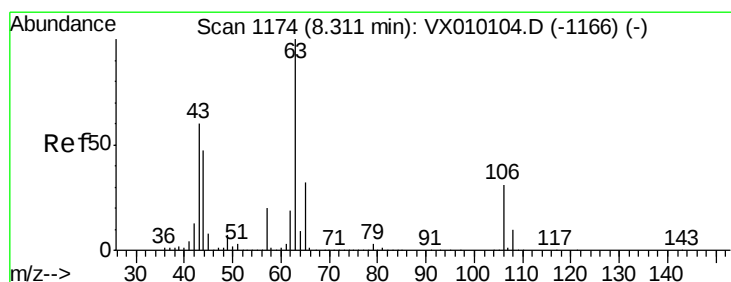
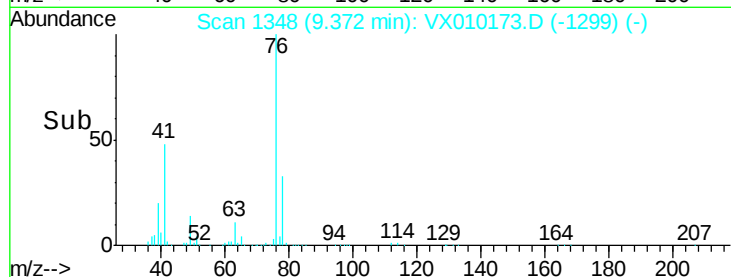
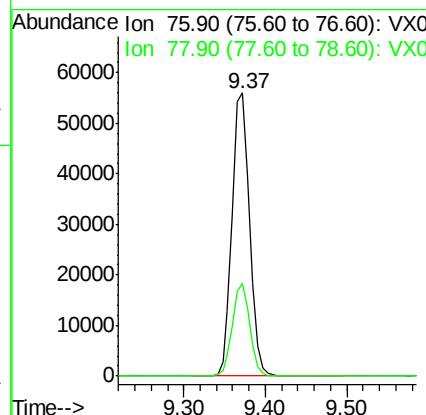
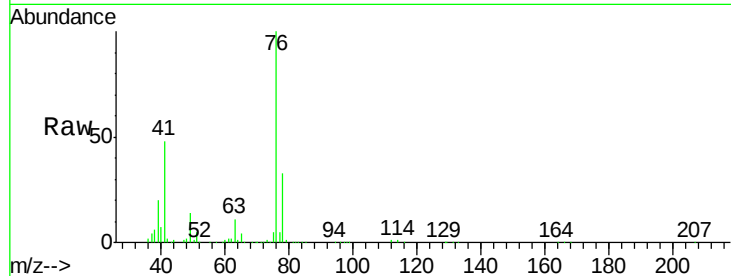
#57
 1,3-Dichloropropane
 Concen: 19.050 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX010173.D
 Acq: 10 Jun 2019 13:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0610WBS02

Tot Ion: 76 Resp: 82639
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.4 38.0

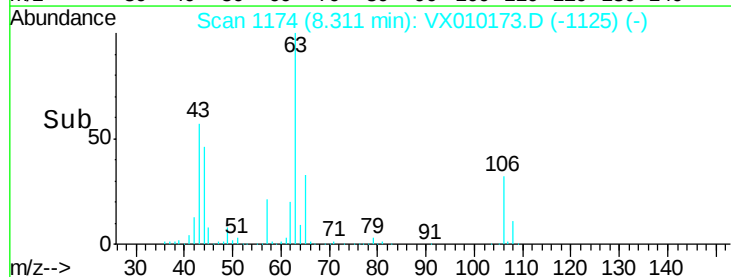
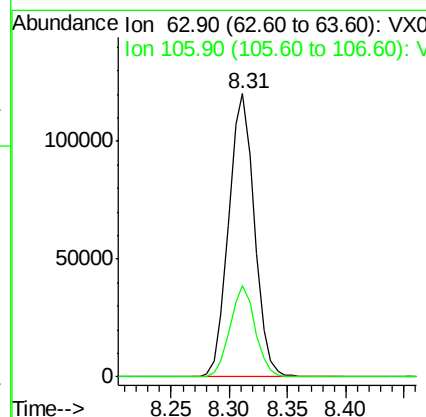
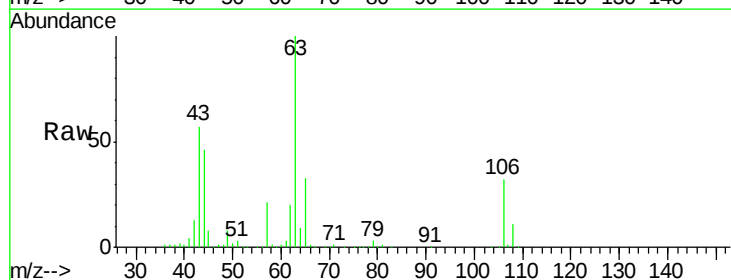
Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 11:54:14 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.212 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX010173.D
 Acq: 10 Jun 2019 13:25

Tgt Ion: 63 Resp: 185107
 Ion Ratio Lower Upper
 63 100
 106 31.6 19.4 29.2#





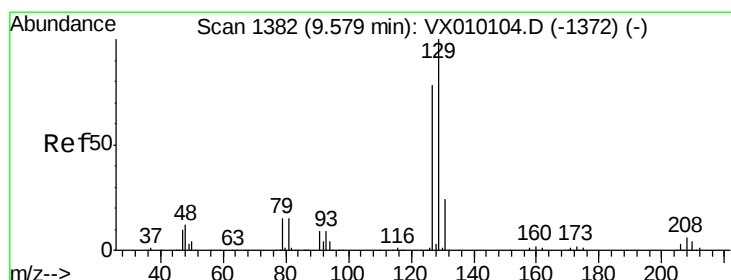
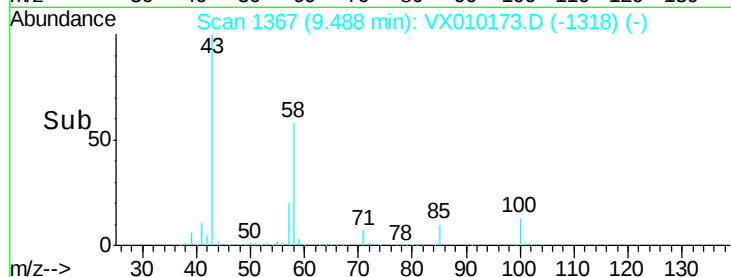
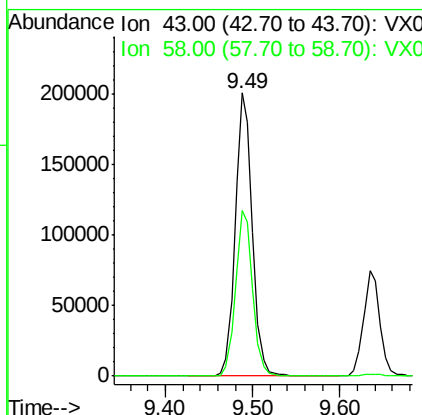
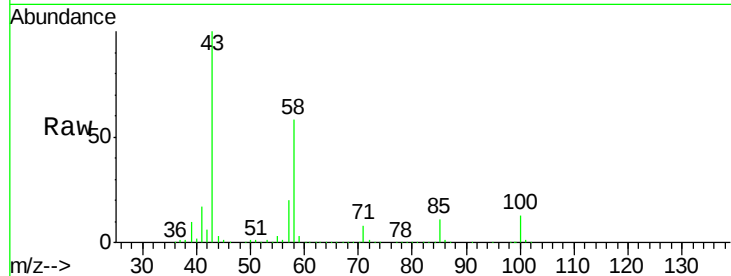
#59
2-Hexanone
Concen: 99.687 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010173.D
Acq: 10 Jun 2019 13:25

Instrument :
MSVOA_X
ClientSampleId :
VX0610WBS02

Tot Ion: 43 Resp: 273414
Ion Ratio Lower Upper
43 100
58 59.0 25.1 75.3

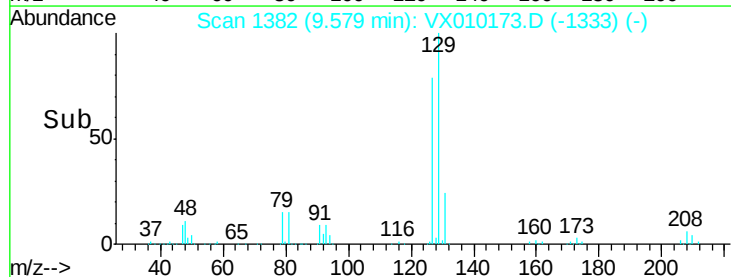
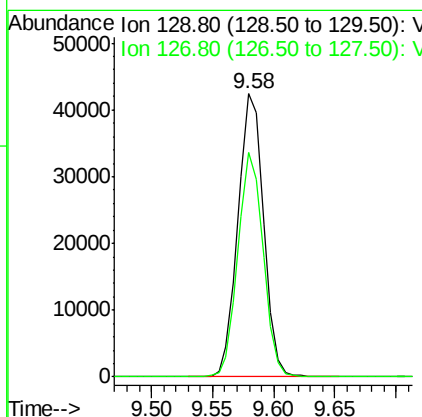
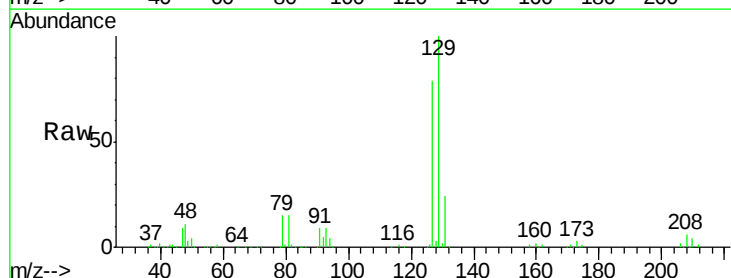
Manual Integrations
APPROVED

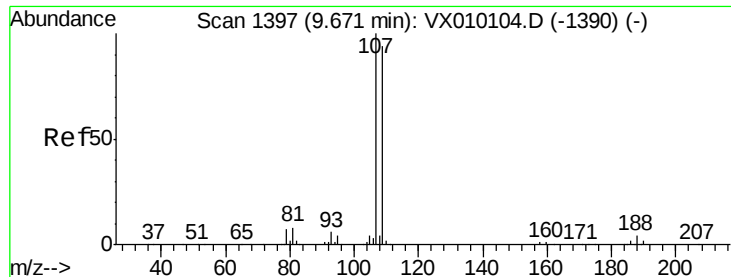
MMDadoda
6/11/2019 11:54:14 AM



#60
Dibromochloromethane
Concen: 18.859 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010173.D
Acq: 10 Jun 2019 13:25

Tgt Ion: 129 Resp: 61465
Ion Ratio Lower Upper
129 100
127 77.7 38.5 115.5





#61

1,2-Dibromoethane

Concen: 18.889 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBS02

Tot Ion: 107 Resp: 57966

Ion Ratio Lower Upper

107 100

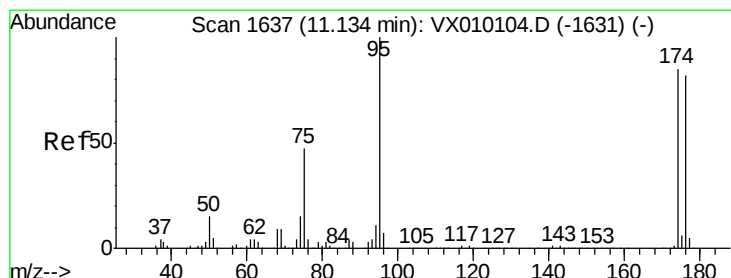
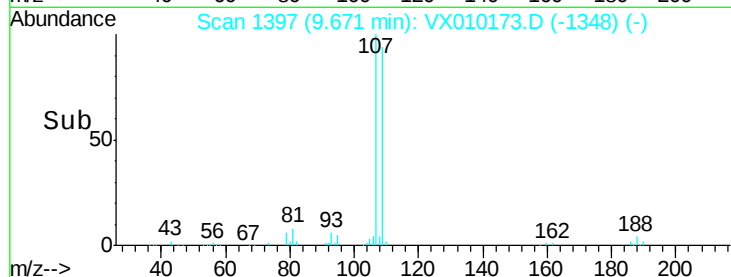
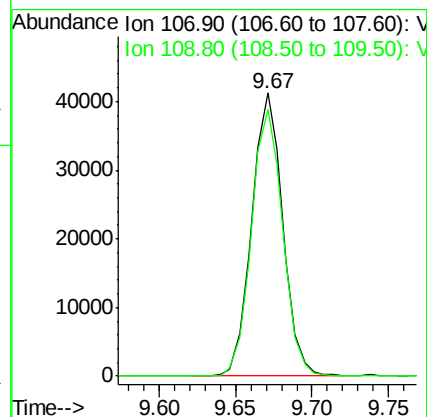
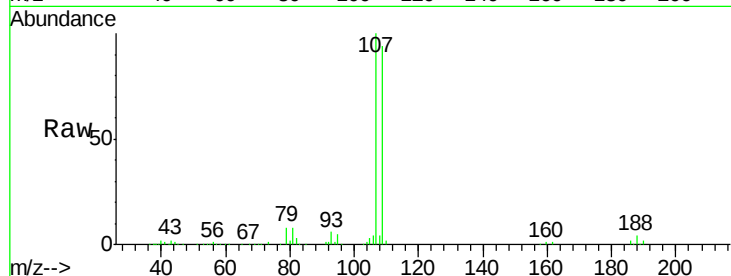
109 95.6 75.4 113.2

Manual Integrations

APPROVED

MMDadoda

6/11/2019 11:54:14 AM



#62

4-Bromofluorobenzene

Concen: 49.138 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

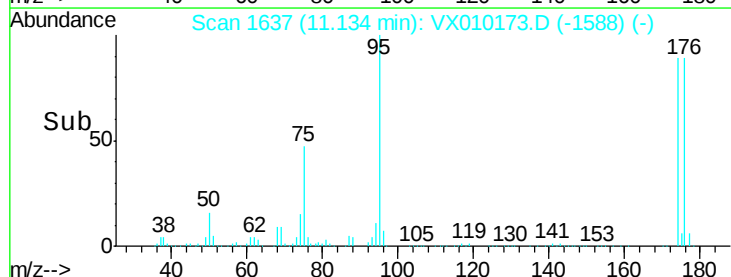
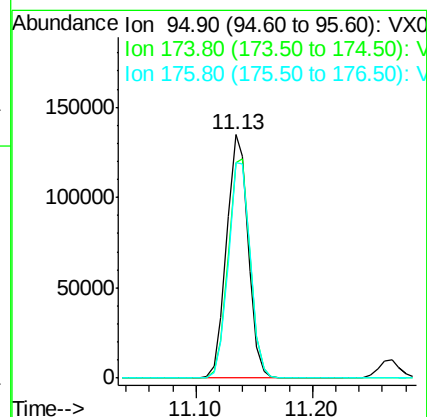
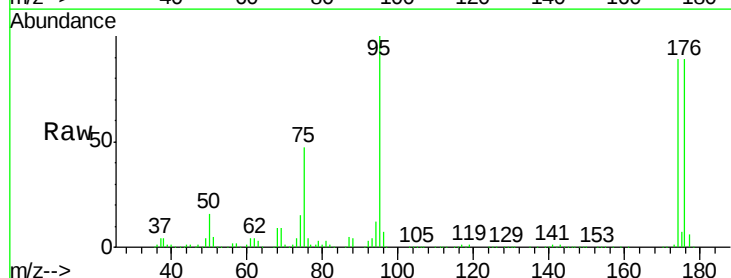
Tgt Ion: 95 Resp: 172114

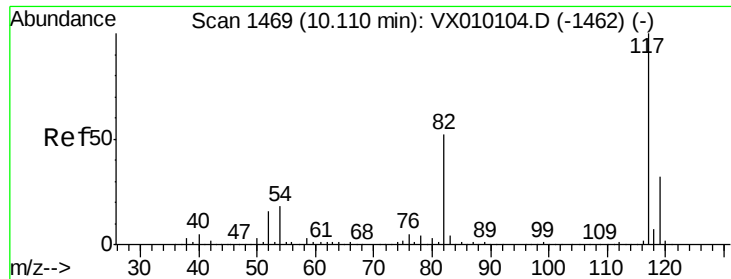
Ion Ratio Lower Upper

95 100

174 92.0 0.0 160.4

176 90.5 0.0 154.6





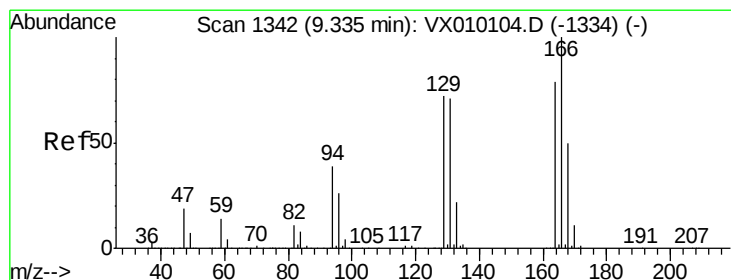
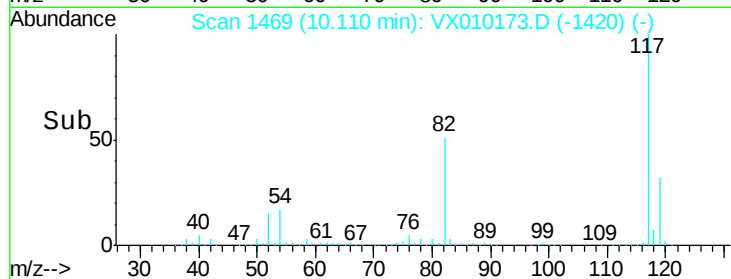
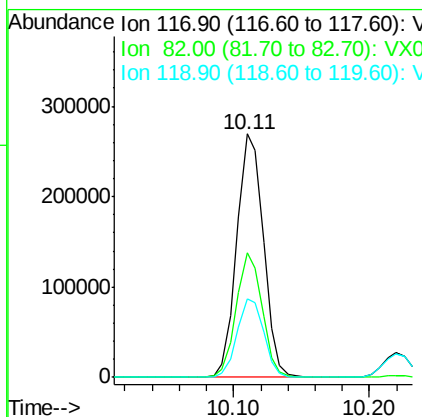
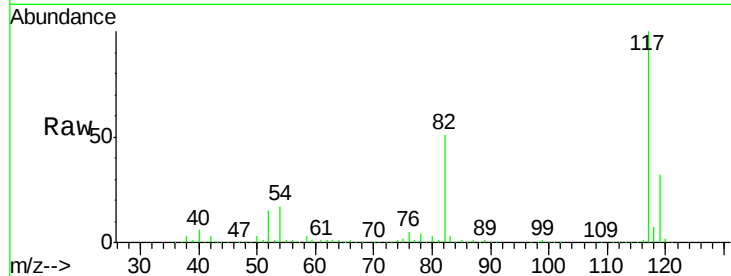
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010173.D
Acq: 10 Jun 2019 13:25

Instrument :
MSVOA_X
ClientSampled :
VX0610WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	49.2	73.8
119	32.4	25.2	37.8

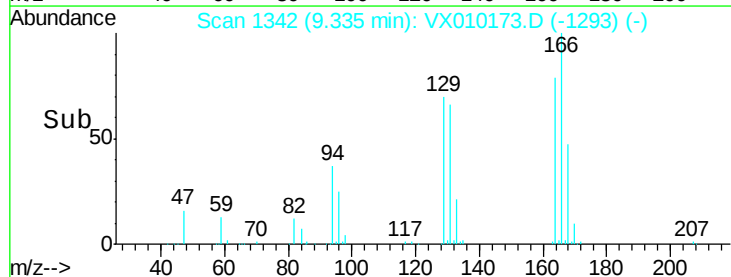
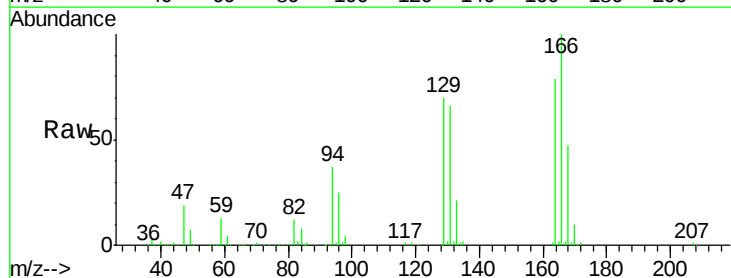
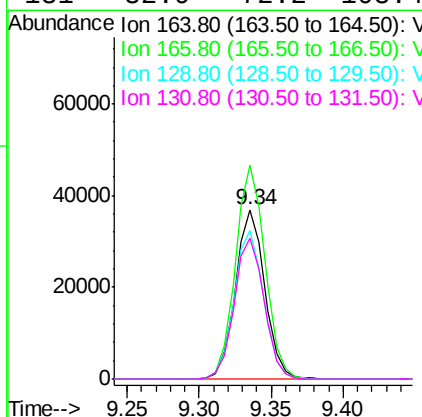
Manual Integrations
APPROVED

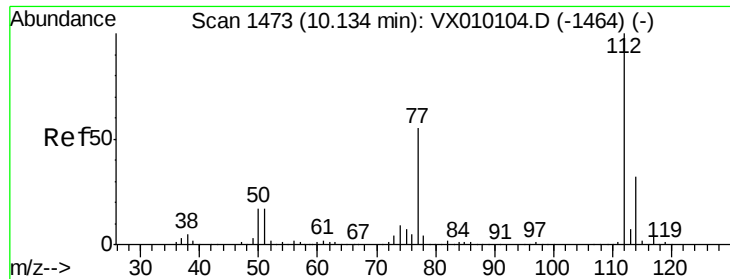
MMDadoda
6/11/2019 11:54:14 AM



#64
Tetrachloroethene
Concen: 19.084 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010173.D
Acq: 10 Jun 2019 13:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	105.0	157.4
129	88.0	75.1	112.7
131	82.9	72.2	108.4





#65

Chlorobenzene

Concen: 19.071 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

Instrument :

MSVOA_X

ClientSampled :

VX0610WBS02

Tot Ion:112 Resp: 145173

Ion Ratio Lower Upper

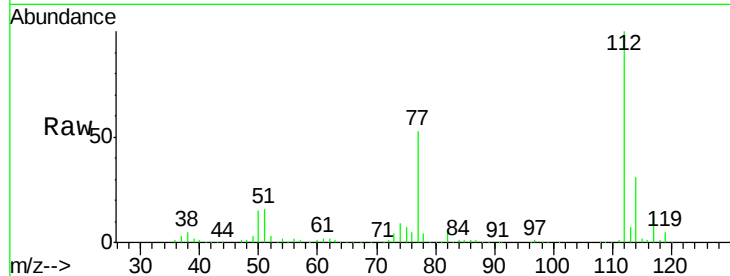
112 100

114 31.2 25.8 38.8

Manual Integrations
APPROVED

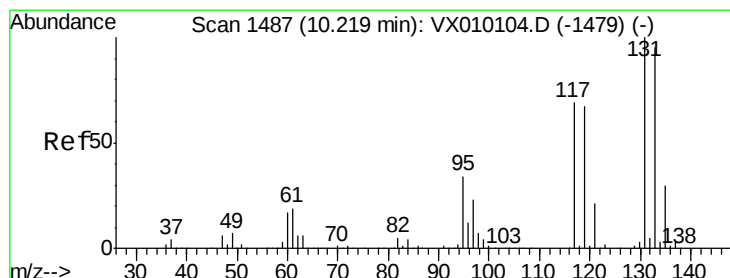
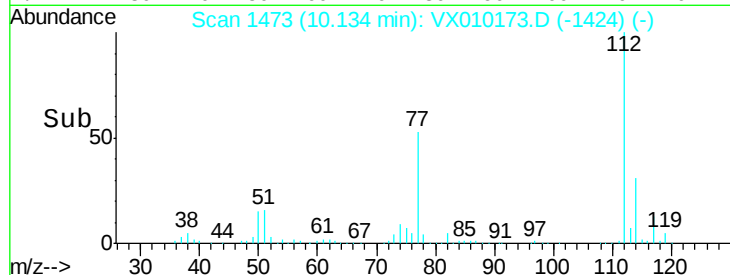
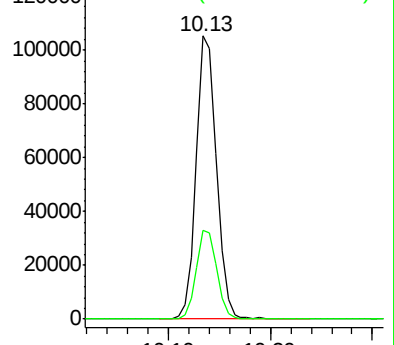
MMDadoda

6/11/2019 11:54:14 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.672 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

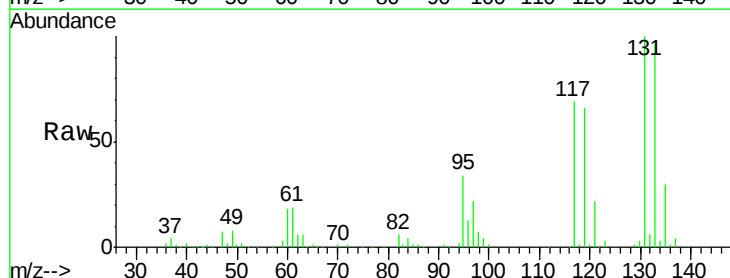
Tgt Ion:131 Resp: 54658

Ion Ratio Lower Upper

131 100

133 95.9 47.5 142.6

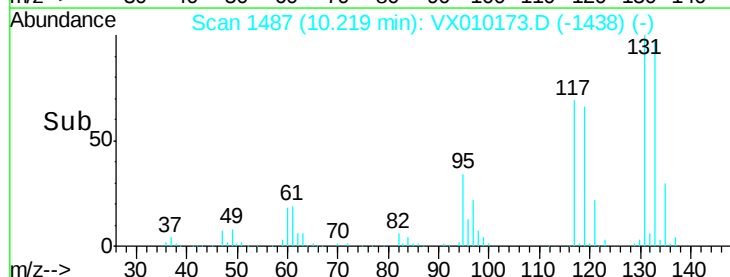
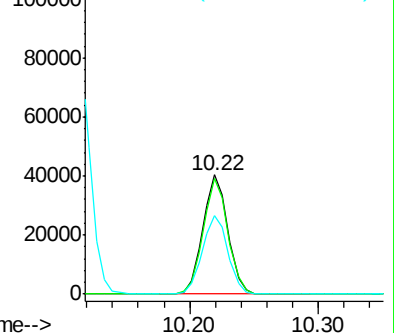
119 67.1 33.4 100.1

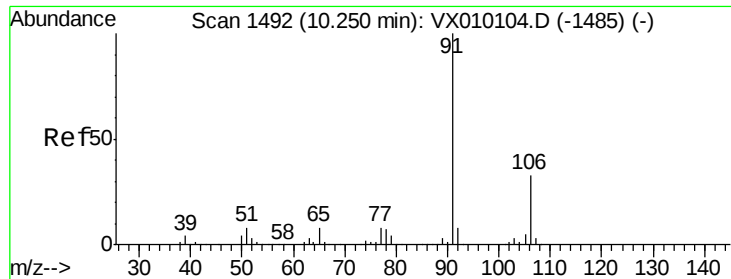


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





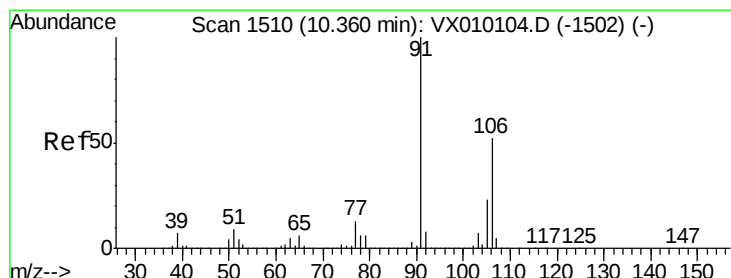
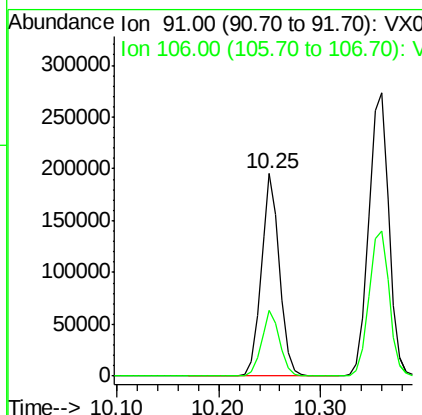
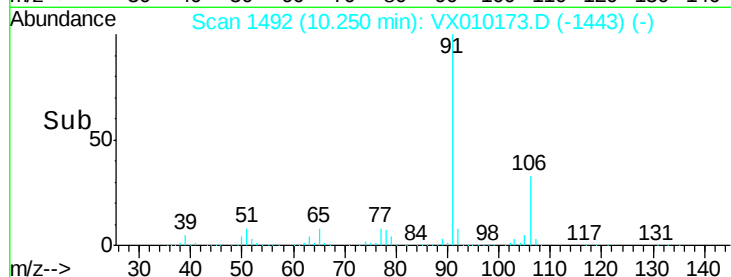
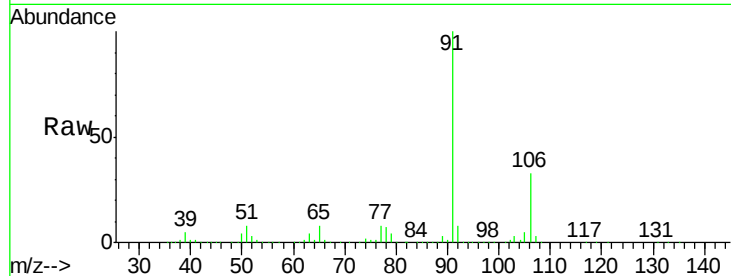
#67
Ethyl Benzene
Concen: 18.870 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010173.D
Acq: 10 Jun 2019 13:25

Instrument :
MSVOA_X
ClientSampleId :
VX0610WBS02

Tot Ion: 91 Resp: 244528
Ion Ratio Lower Upper
91 100
106 32.5 23.9 35.9

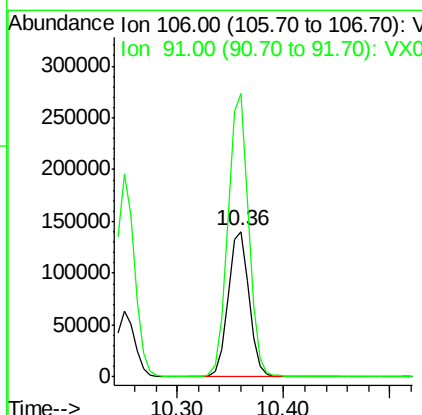
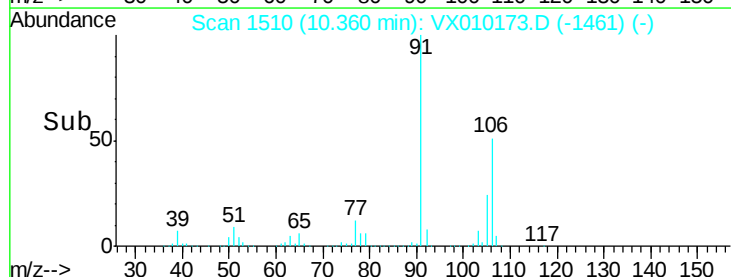
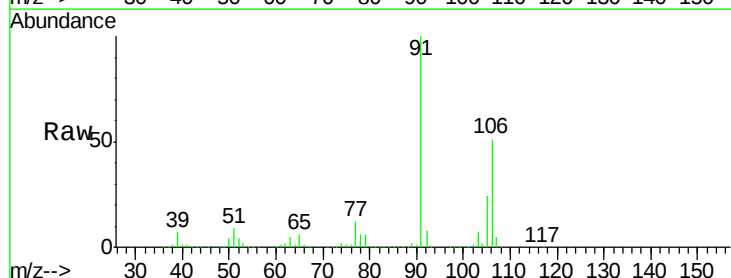
Manual Integrations
APPROVED

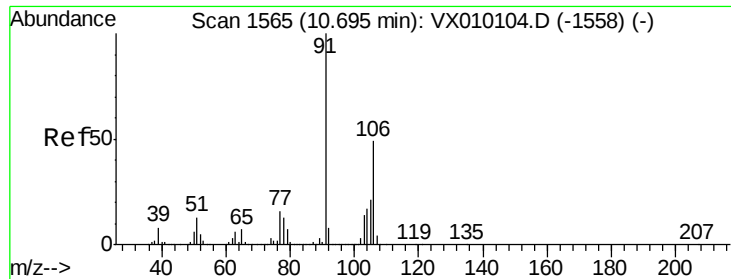
MMDadoda
6/11/2019 11:54:14 AM



#68
m/p-Xylenes
Concen: 38.668 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010173.D
Acq: 10 Jun 2019 13:25

Tgt Ion: 106 Resp: 193902
Ion Ratio Lower Upper
106 100
91 192.1 167.3 250.9





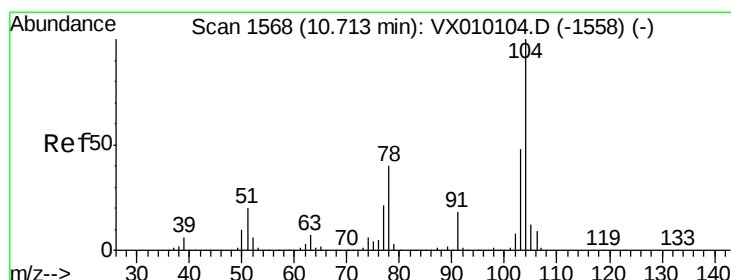
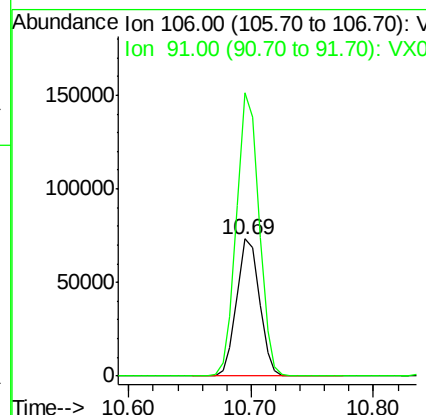
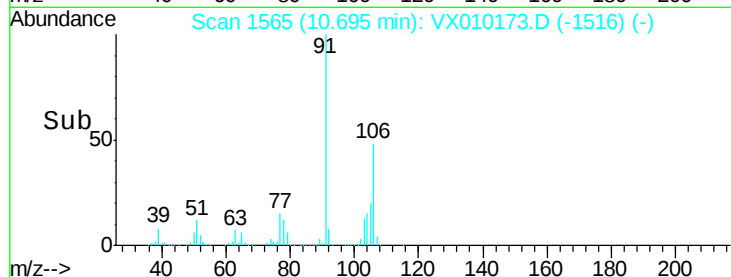
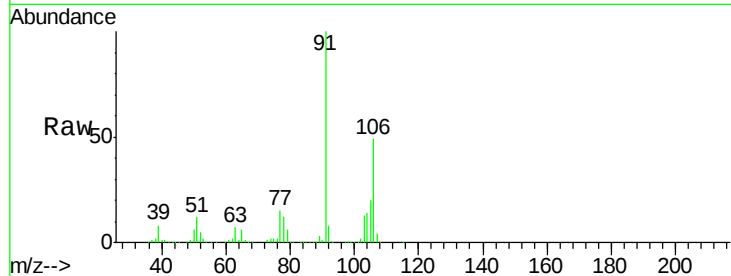
#69
o-Xylene
Concen: 19.011 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010173.D
Acq: 10 Jun 2019 13:25

Instrument :
MSVOA_X
ClientSampleId :
VX0610WBS02

Tot Ion:106 Resp: 94765
Ion Ratio Lower Upper
106 100
91 203.2 110.4 331.2

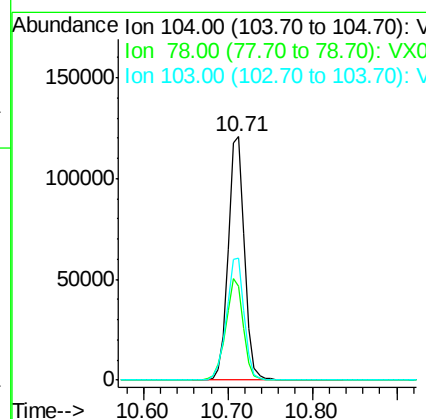
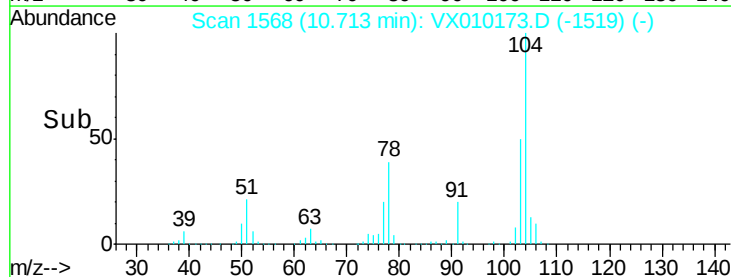
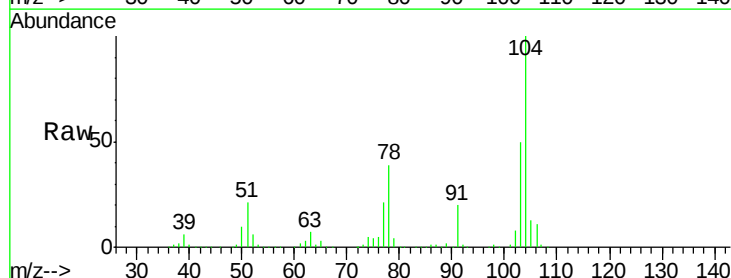
Manual Integrations
APPROVED

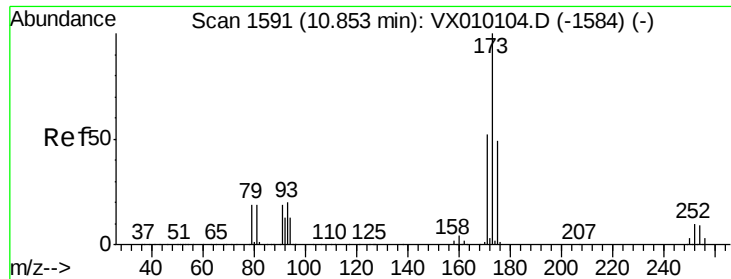
MMDadoda
6/11/2019 11:54:14 AM



#70
Styrene
Concen: 19.119 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010173.D
Acq: 10 Jun 2019 13:25

Tgt Ion:104 Resp: 161412
Ion Ratio Lower Upper
104 100
78 45.2 42.1 63.1
103 54.5 44.1 66.1





#71

Bromoform

Concen: 18.748 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBS02

Tot Ion:173 Resp: 50452

Ion Ratio Lower Upper

173 100

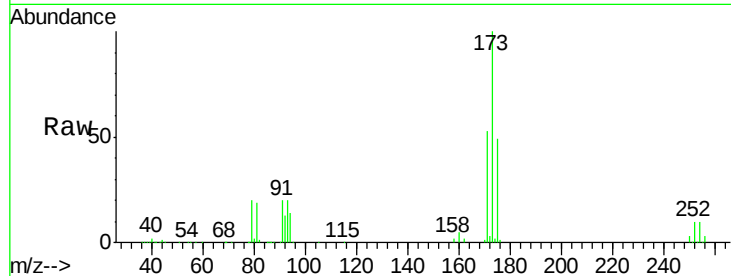
175 49.4 25.0 75.0

254 0.2 0.2 0.2

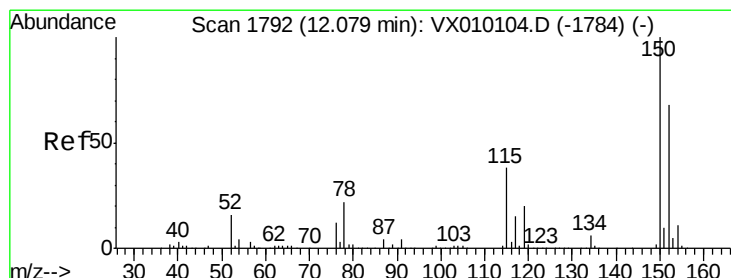
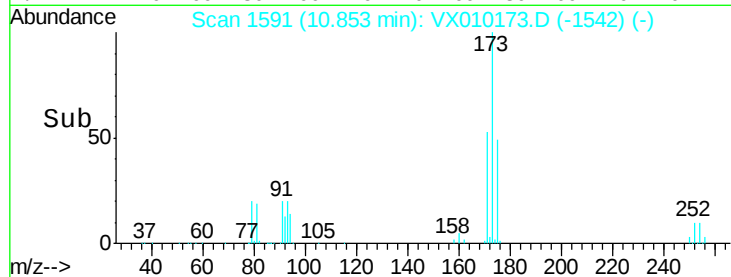
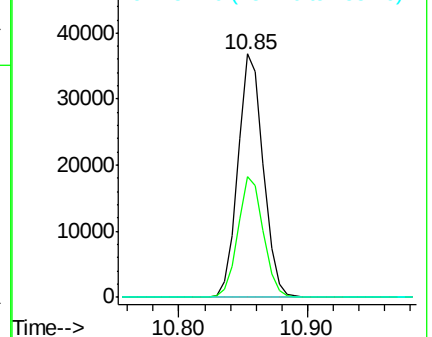
Manual Integrations
APPROVED

MMDadoda

6/11/2019 11:54:14 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: VX010173.D

Acq: 10 Jun 2019 13:25

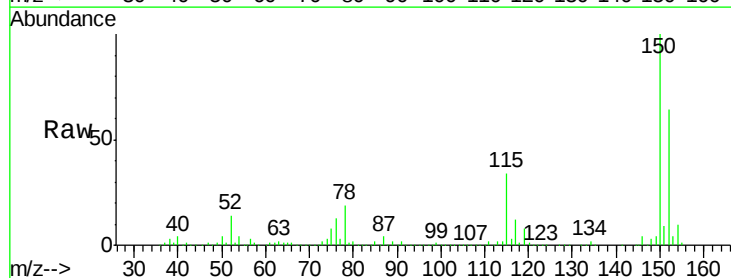
Tgt Ion:152 Resp: 189779

Ion Ratio Lower Upper

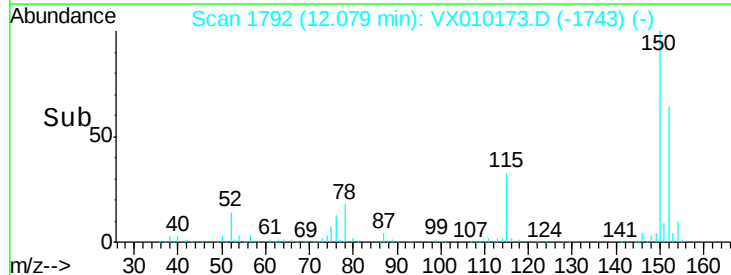
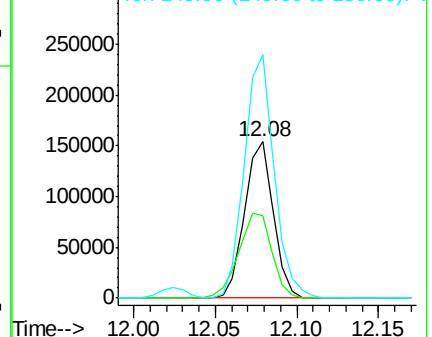
152 100

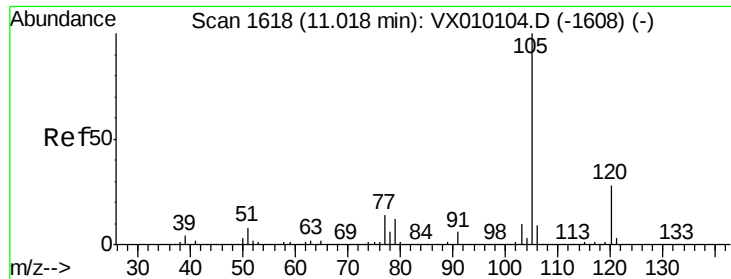
115 62.9 41.4 124.2

150 161.9 0.0 345.2



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





#73

Isopropylbenzene

Concen: 18.831 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBS02

Tot Ion: 105 Resp: 249475

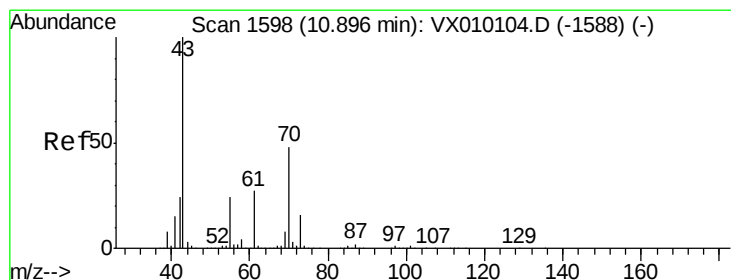
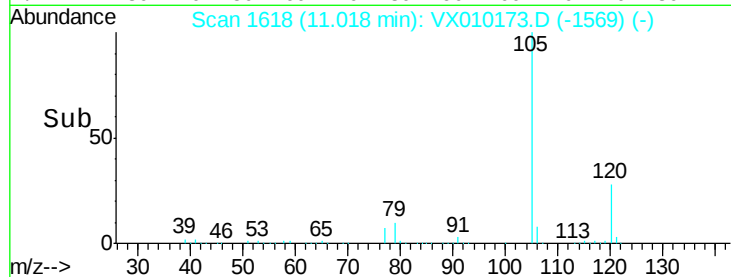
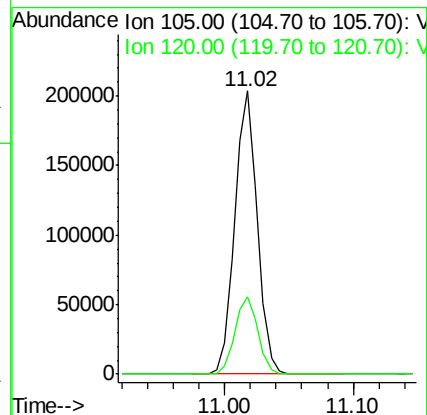
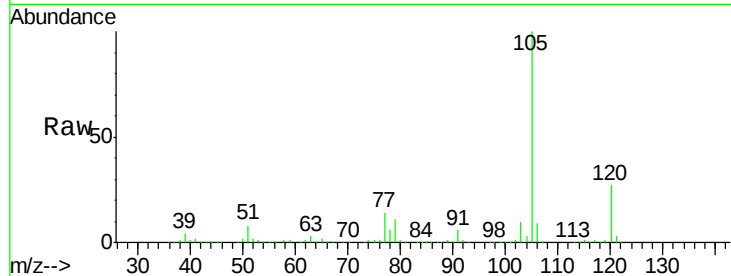
Ion Ratio Lower Upper

105 100

120 27.9 12.8 38.4

Manual Integrations
APPROVED

MMDadoda
6/11/2019 11:54:14 AM



#74

N-ethyl acetate

Concen: 18.952 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

Tgt Ion: 43 Resp: 99249

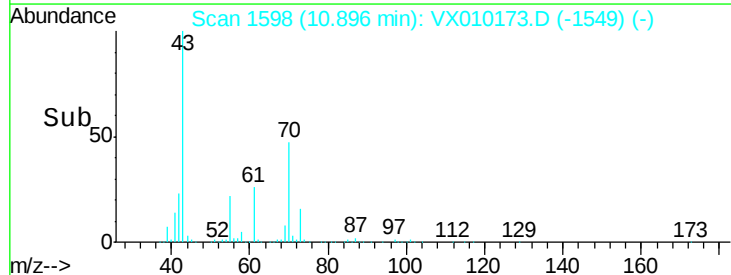
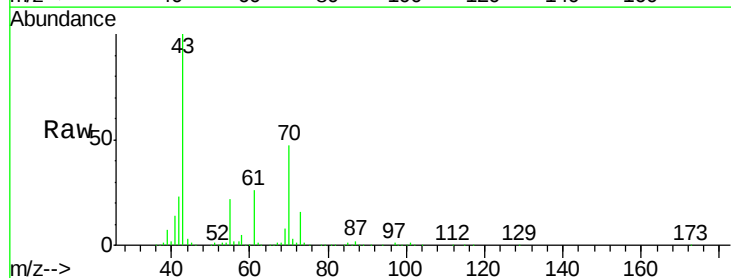
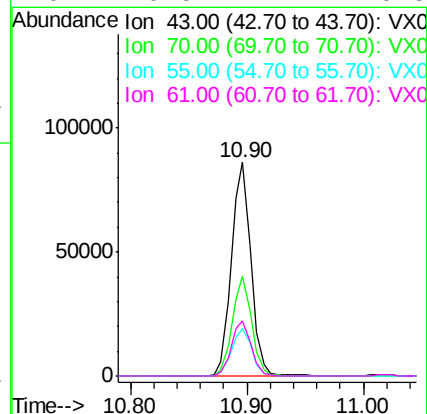
Ion Ratio Lower Upper

43 100

70 46.6 28.6 43.0#

55 23.0 17.8 26.8

61 26.5 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.785 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

Instrument :

MSVOA_X

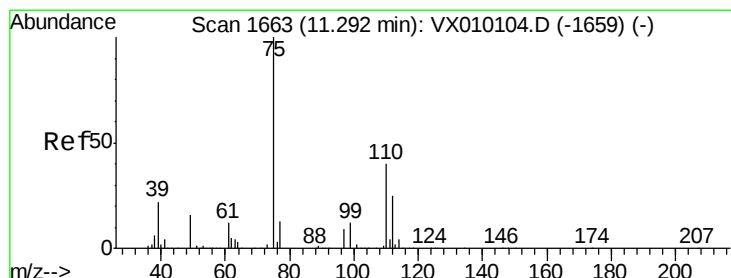
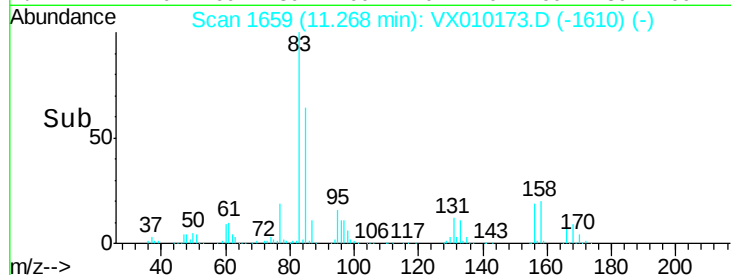
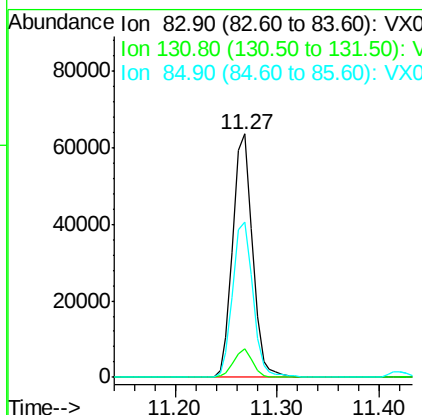
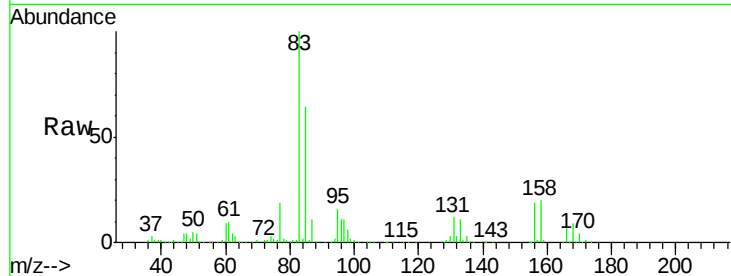
ClientSampled :

VX0610WBS02

Tot Ion:	83	Resp:	85188
Ion Ratio	Lower	Upper	
83	100		
131	11.1	4.7	14.1
85	65.1	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
6/11/2019 11:54:14 AM



#76

1,2,3-Trichloropropane

Concen: 18.375 ug/l m

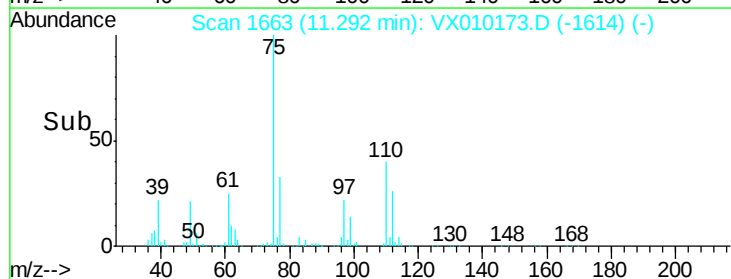
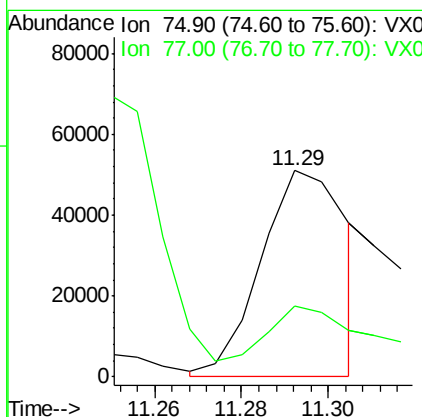
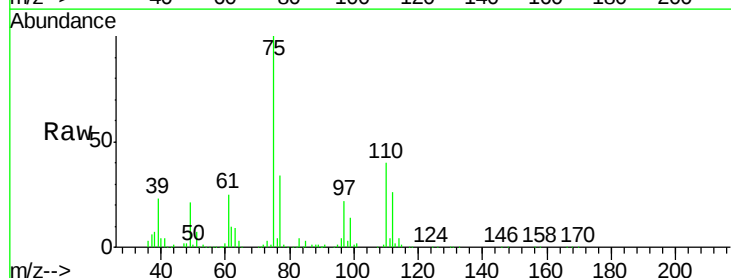
RT: 11.29 min Scan# 1663

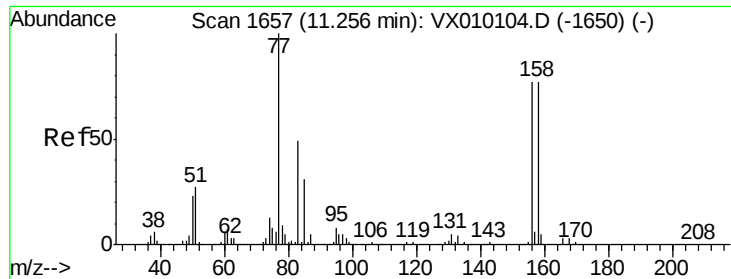
Delta R.T. 0.00 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

Tgt Ion:	75	Resp:	69751
Ion Ratio	Lower	Upper	
75	100		
77	45.8	22.1	66.1





#77

Bromobenzene

Concen: 18.922 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBS02

Tot Ion:156 Resp: 68934

Ion Ratio Lower Upper

156 100

77 131.6 86.8 260.3

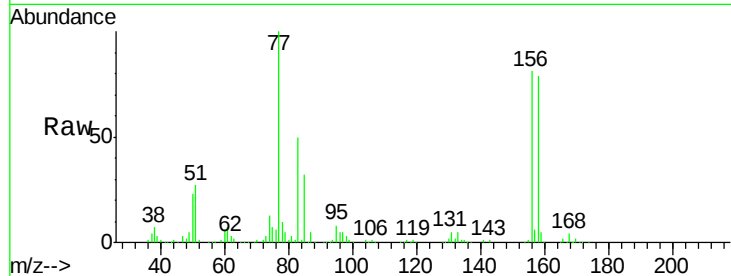
158 96.8 49.6 148.8

Manual Integrations

APPROVED

MMDadoda

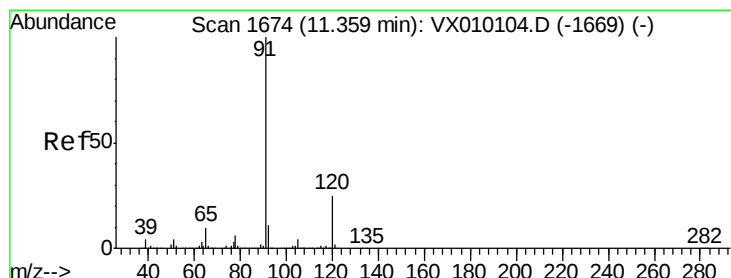
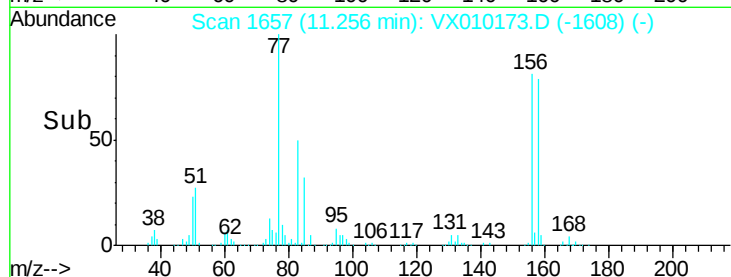
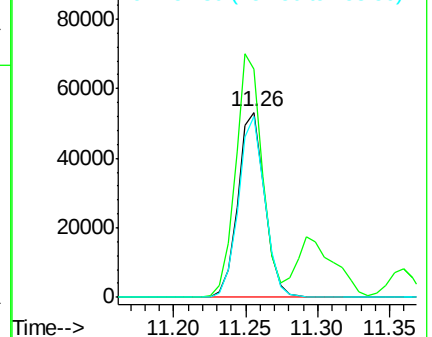
6/11/2019 11:54:14 AM



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: 18.430 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010173.D

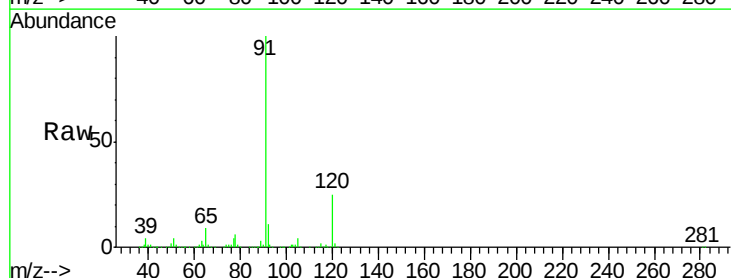
Acq: 10 Jun 2019 13:25

Tgt Ion: 91 Resp: 271816

Ion Ratio Lower Upper

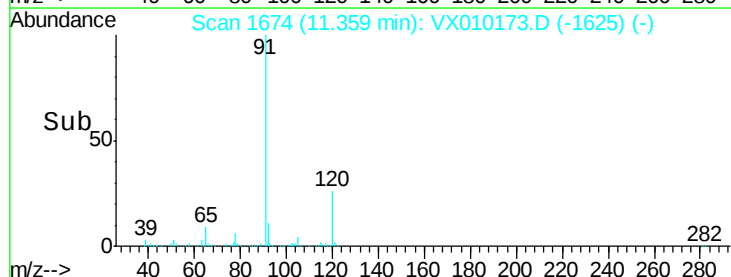
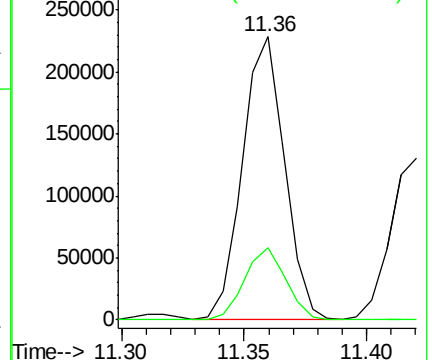
91 100

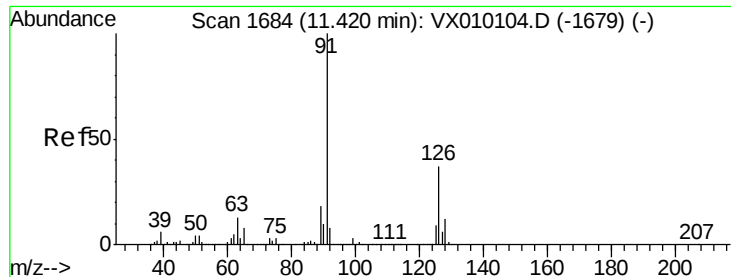
120 25.3 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.289 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

Instrument :

MSVOA_X

ClientSampled :

VX0610WBS02

Tot Ion: 91 Resp: 162000

Ion Ratio Lower Upper

91 100

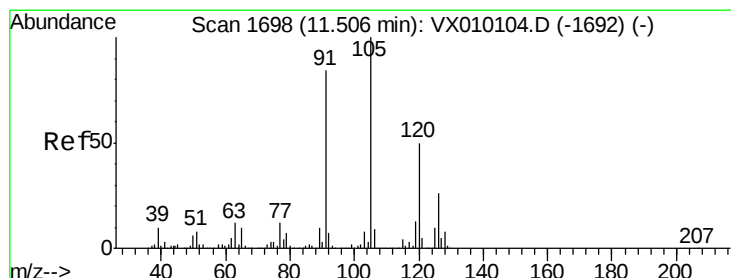
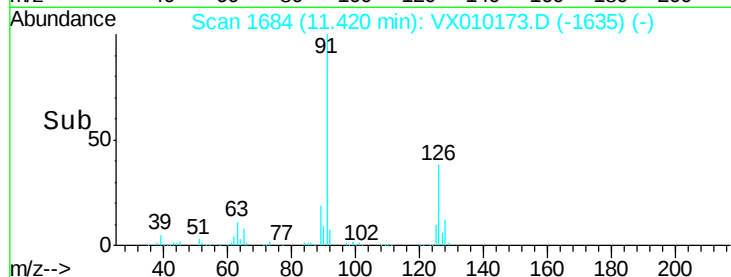
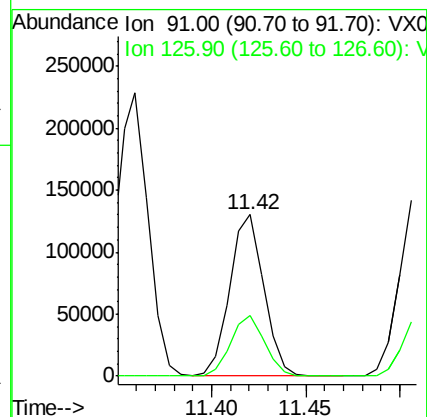
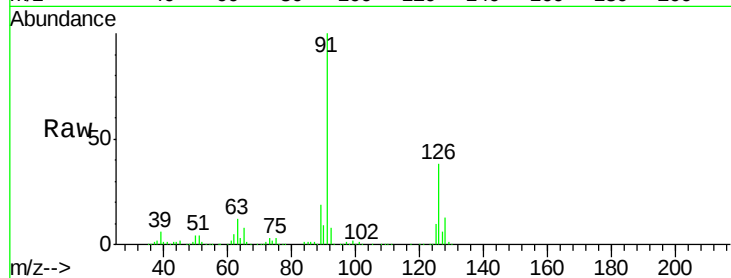
126 37.8 16.1 48.3

Manual Integrations

APPROVED

MMDadoda

6/11/2019 11:54:14 AM



#80

1,3,5-Trimethylbenzene

Concen: 18.466 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010173.D

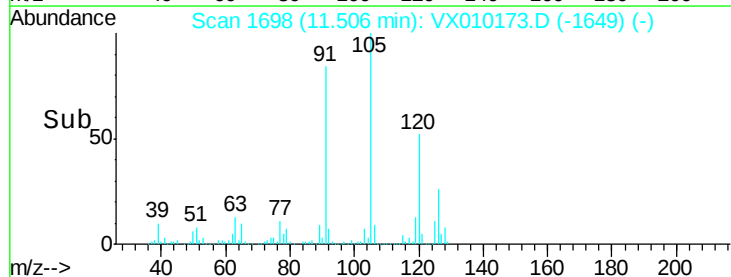
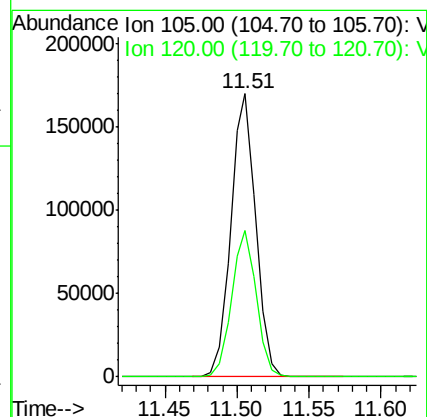
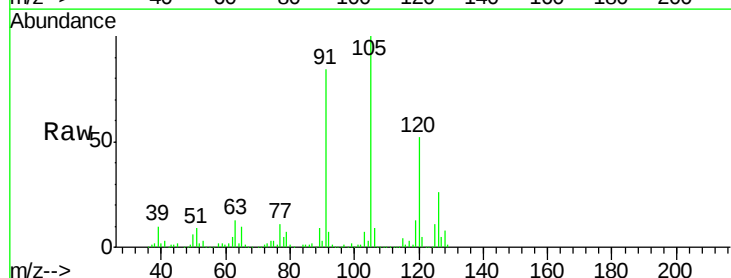
Acq: 10 Jun 2019 13:25

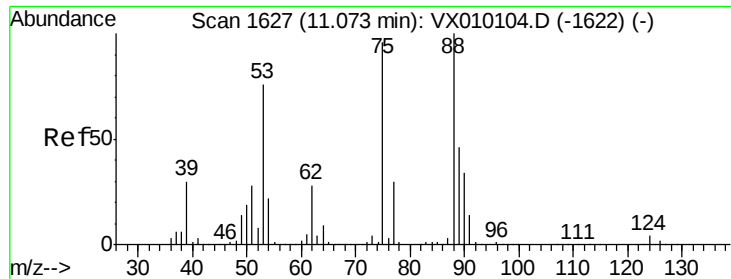
Tgt Ion: 105 Resp: 206043

Ion Ratio Lower Upper

105 100

120 51.3 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 17.961 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

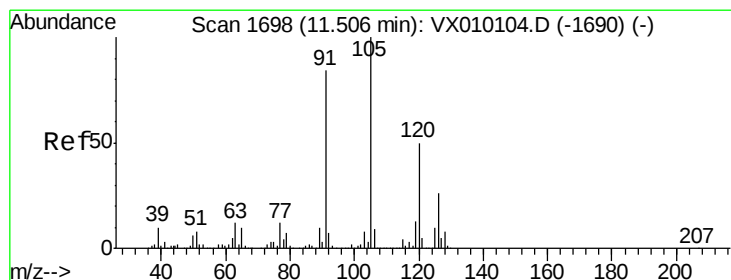
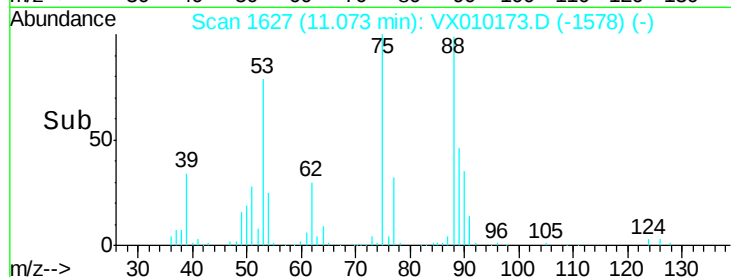
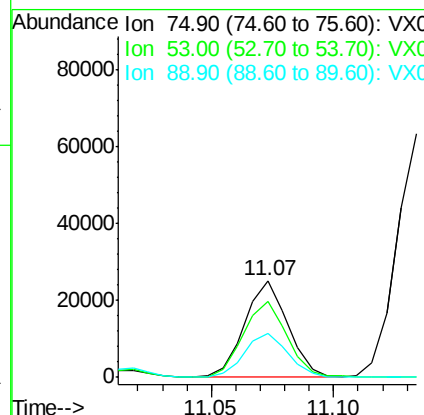
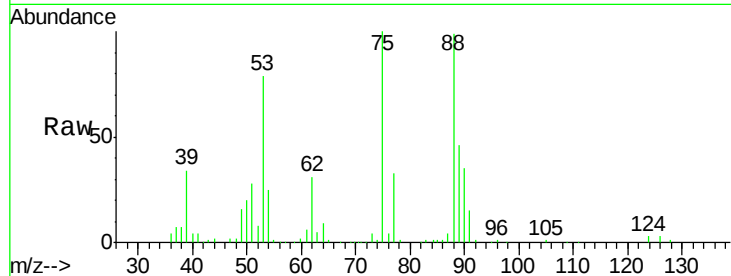
VX0610WBS02

Tot Ion: 75 Resp: 30858

Ion	Ratio	Lower	Upper
75	100		
53	79.3	79.8	119.6#
89	45.8	34.2	51.4

Manual Integrations
APPROVED

MMDadoda
6/11/2019 11:54:14 AM



#82

4-Chlorotoluene

Concen: 18.224 ug/l

RT: 11.51 min Scan# 1698

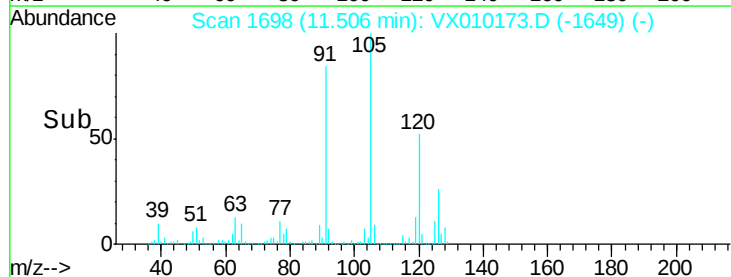
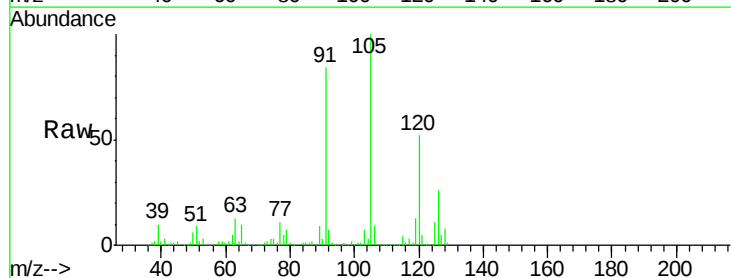
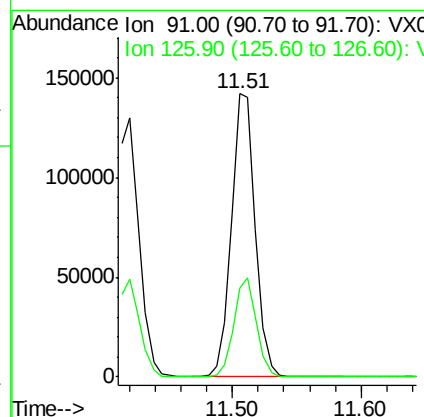
Delta R.T. 0.00 min

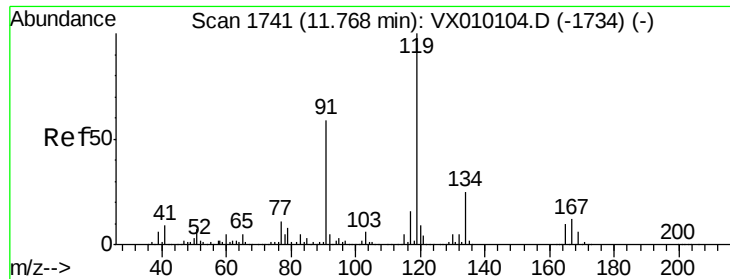
Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

Tgt Ion: 91 Resp: 183375

Ion	Ratio	Lower	Upper
91	100		
126	33.3	14.2	42.6





#83

tert-Butylbenzene

Concen: 18.935 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

Instrument :

MSVOA_X

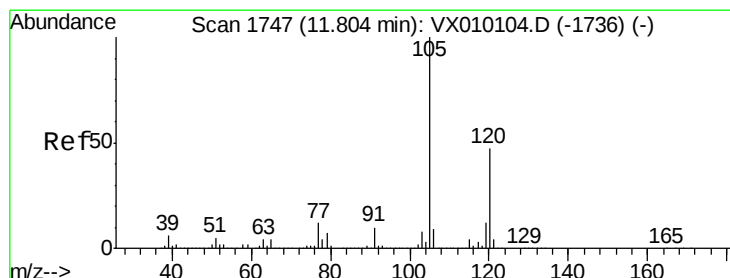
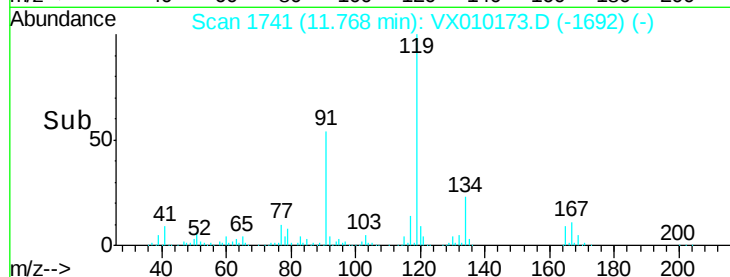
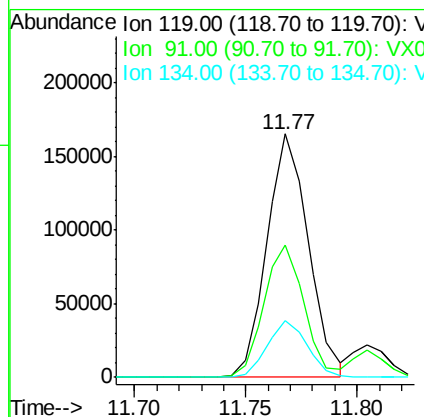
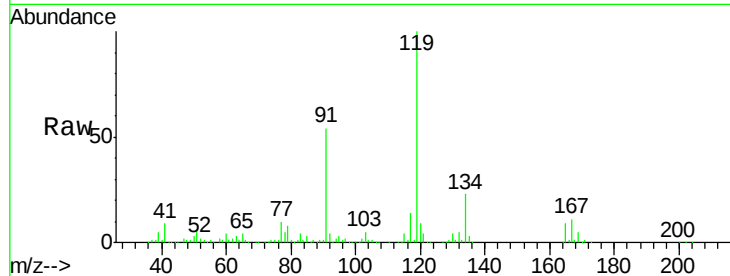
ClientSampled :

VX0610WBS02

Tot Ion:	119	Resp:	213848
Ion Ratio	Lower	Upper	
119	100		
91	52.7	30.0	90.0
134	22.7	11.2	33.5

Manual Integrations
APPROVED

MMDadoda
6/11/2019 11:54:14 AM



#84

1,2,4-Trimethylbenzene

Concen: 18.499 ug/l

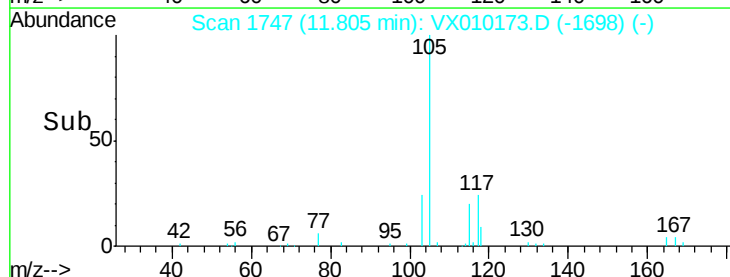
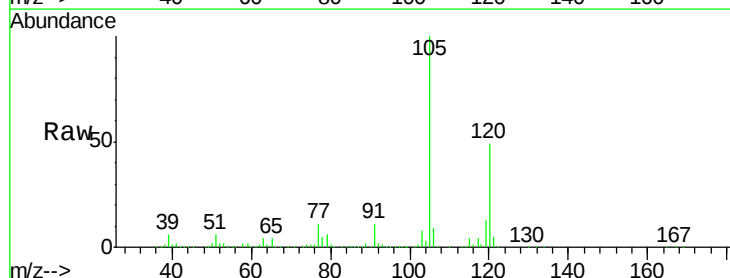
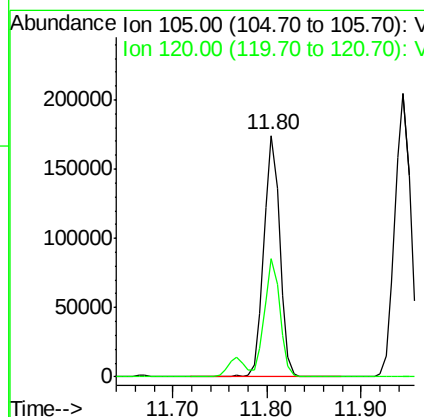
RT: 11.80 min Scan# 1747

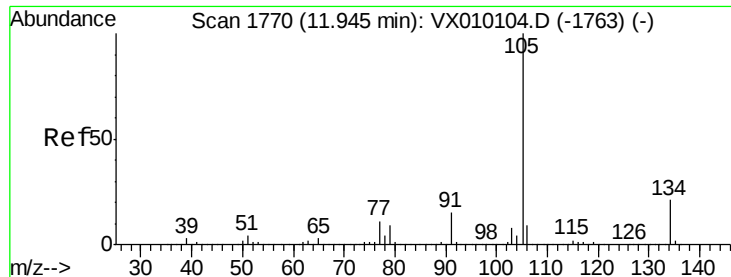
Delta R.T. 0.00 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

Tgt Ion:	105	Resp:	208501
Ion Ratio	Lower	Upper	
105	100		
120	47.7	22.1	66.1





#85

sec-Butylbenzene

Concen: 18.500 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBS02

Tot Ion:105 Resp: 243417

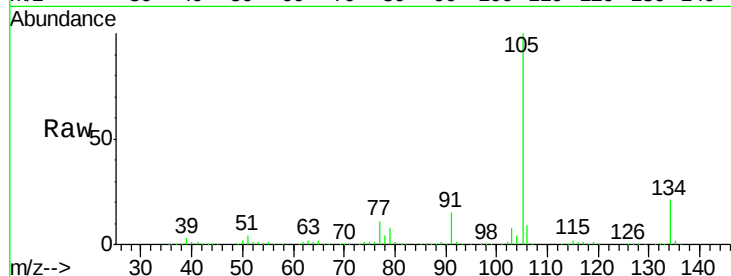
Ion Ratio Lower Upper

105 100

134 21.3 9.7 28.9

Manual Integrations
APPROVED

MMDadoda
6/11/2019 11:54:14 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

200000

150000

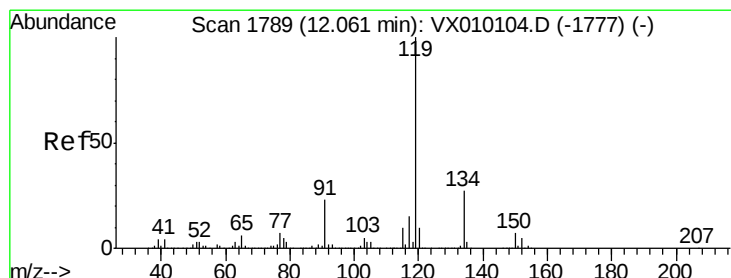
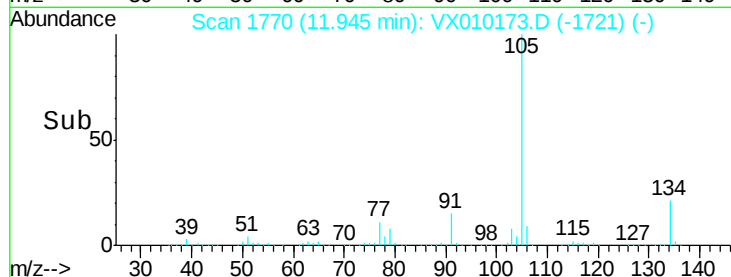
100000

50000

0

Time-->

11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 18.531 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

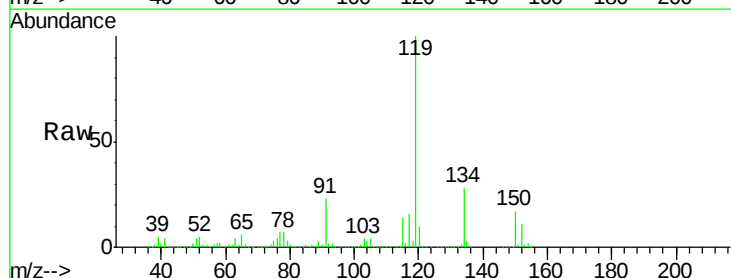
Tgt Ion:119 Resp: 222894

Ion Ratio Lower Upper

119 100

134 27.7 12.9 38.6

91 22.0 11.9 35.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.06

250000

200000

150000

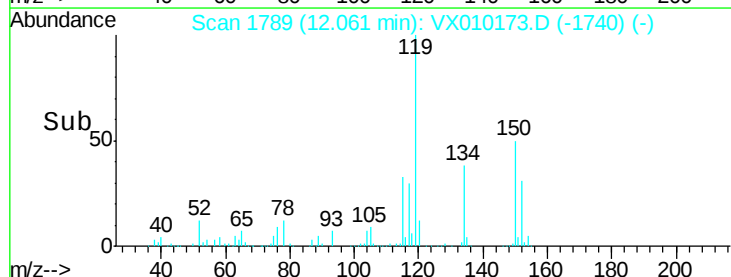
100000

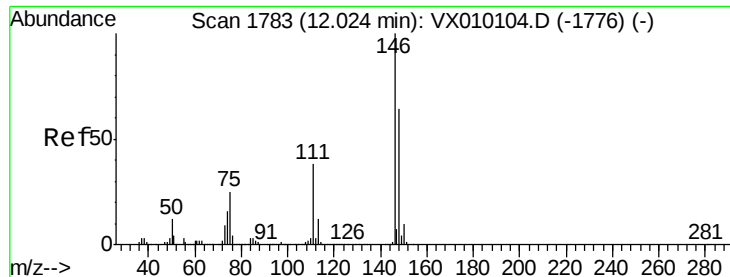
50000

0

Time-->

12.00 12.10





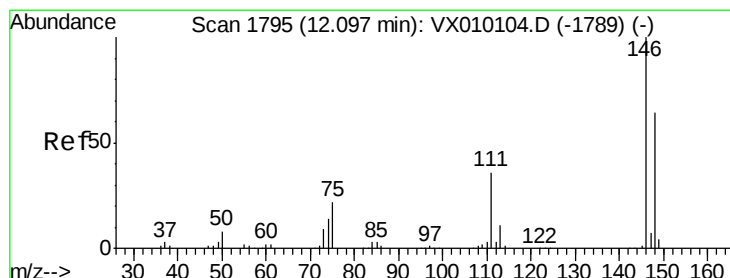
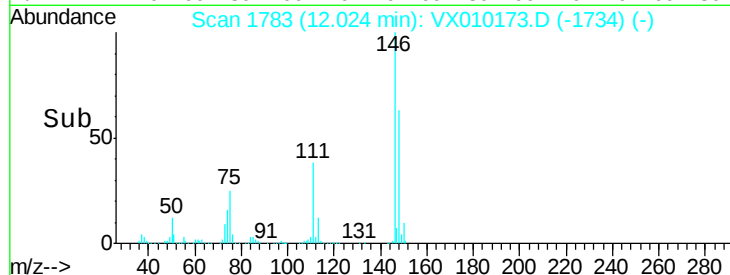
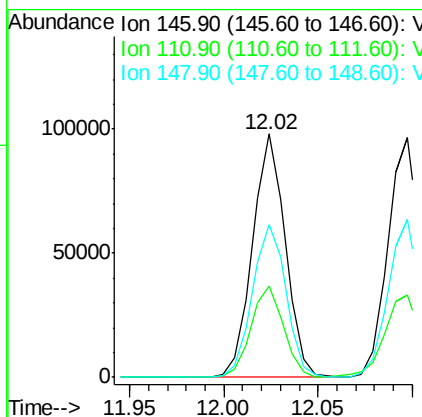
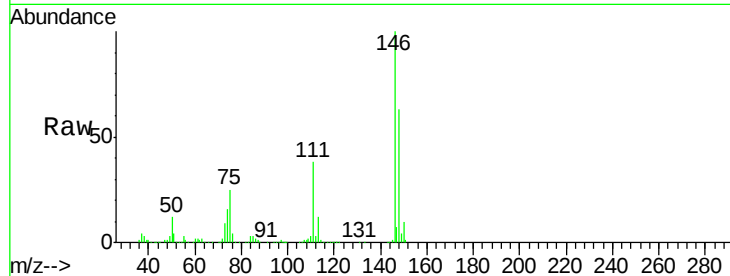
#87
 1,3-Dichlorobenzene
 Concen: 18.414 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010173.D
 Acq: 10 Jun 2019 13:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0610WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	20.1	60.2
148	64.3	31.9	95.5

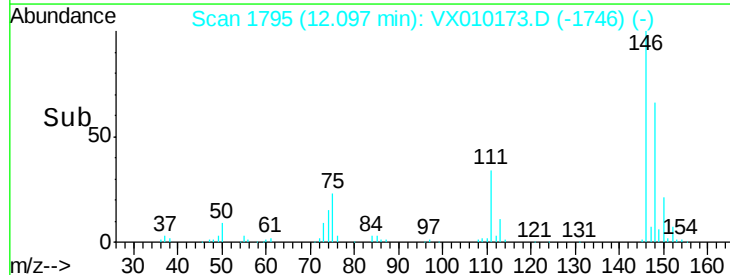
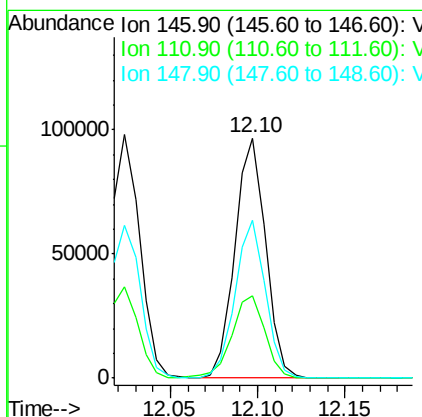
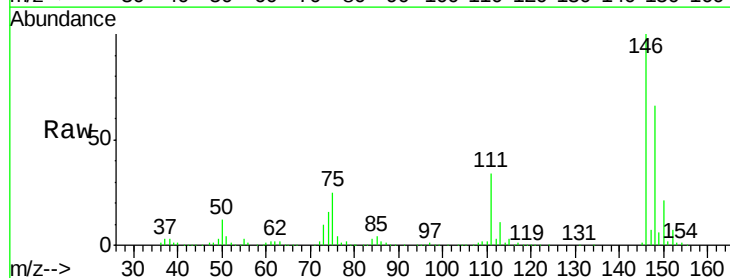
Manual Integrations
 APPROVED

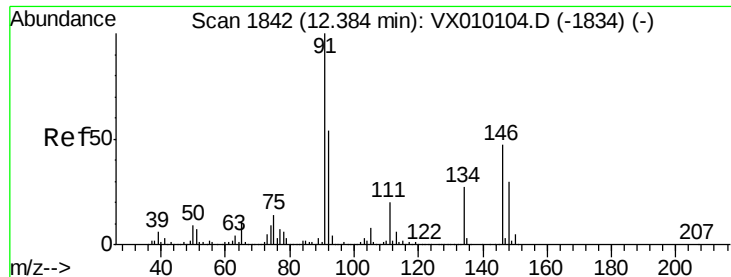
MMDadoda
 6/11/2019 11:54:14 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.180 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010173.D
 Acq: 10 Jun 2019 13:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	20.0	59.9
148	65.5	32.3	96.9





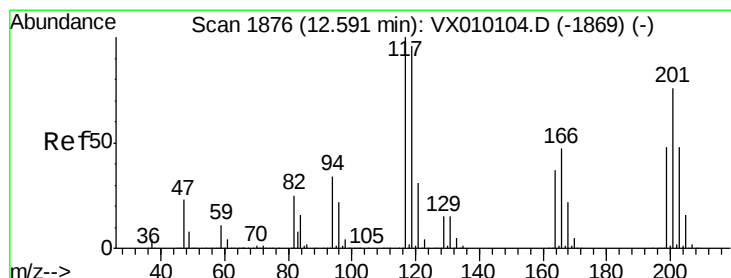
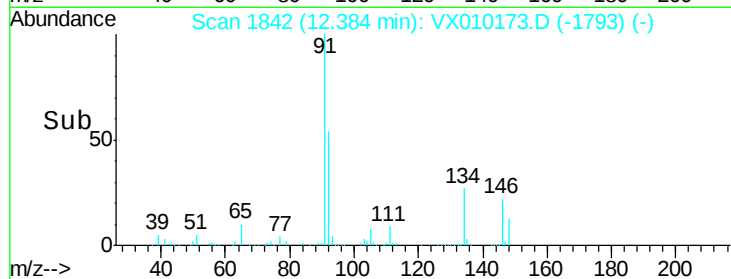
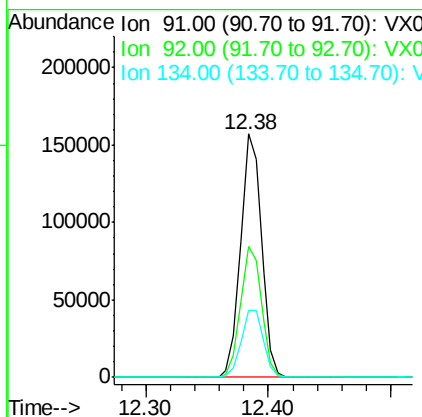
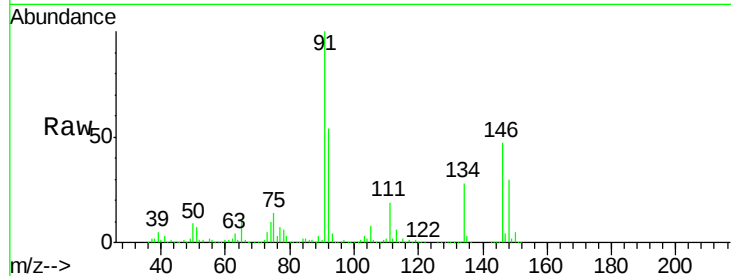
#89
n-Butylbenzene
Concen: 17.949 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010173.D
Acq: 10 Jun 2019 13:25

Instrument :
MSVOA_X
ClientSampleId :
VX0610WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.3	78.8
134	29.0	12.3	36.8

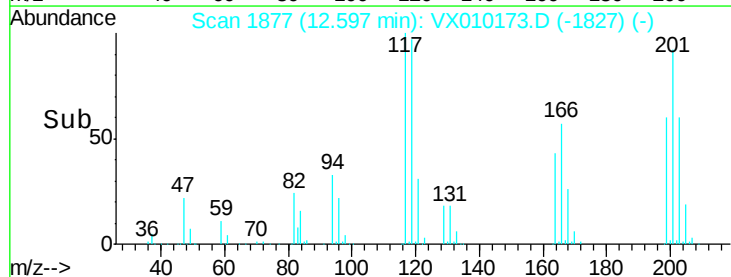
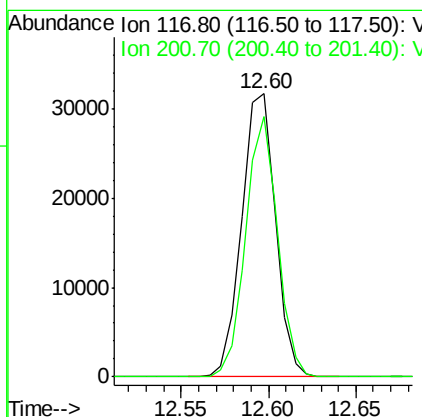
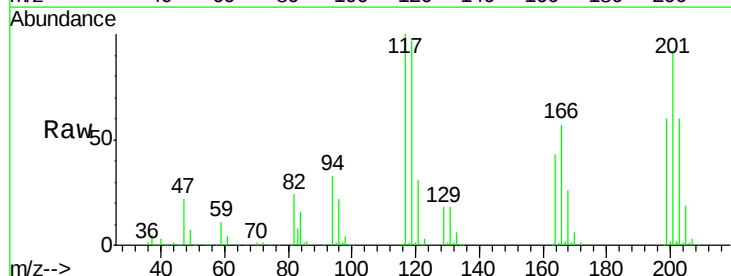
Manual Integrations
APPROVED

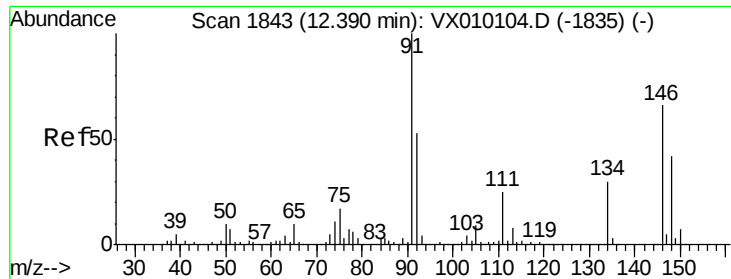
MMDadoda
6/11/2019 11:54:14 AM



#90
Hexachloroethane
Concen: 17.810 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX010173.D
Acq: 10 Jun 2019 13:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.1	43.6	130.9





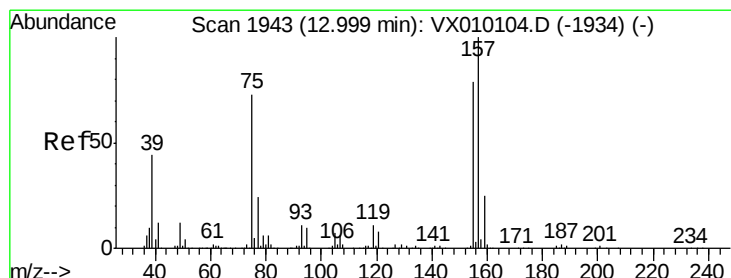
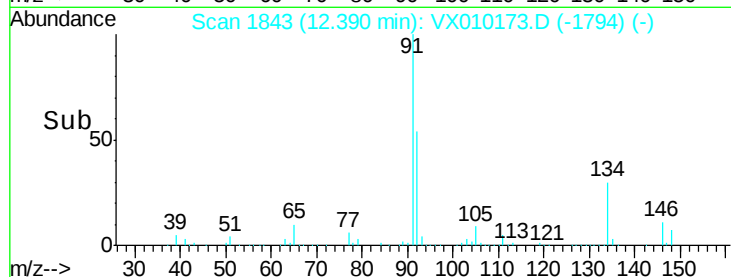
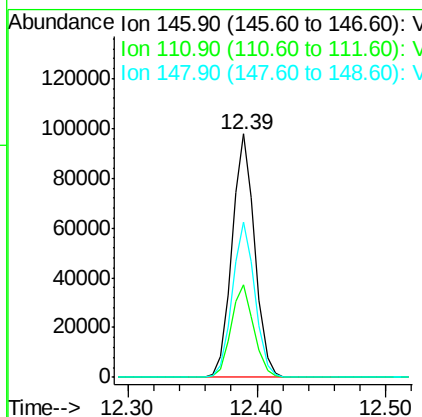
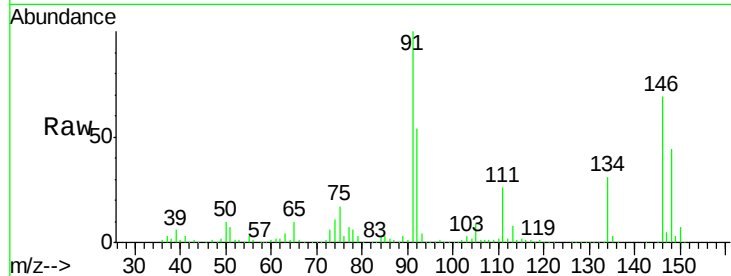
#91
 1,2-Dichlorobenzene
 Concen: 19.239 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010173.D
 Acq: 10 Jun 2019 13:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0610WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	120021		
111	38.1	21.1	63.1	
148	63.6	32.3	96.8	

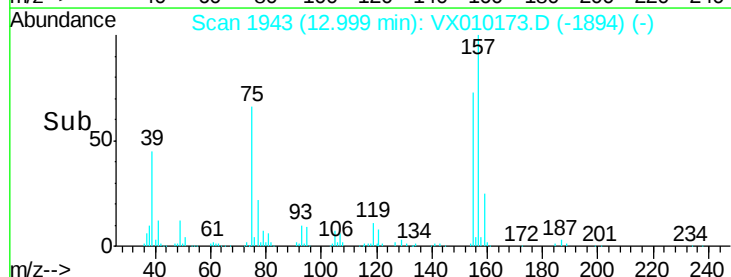
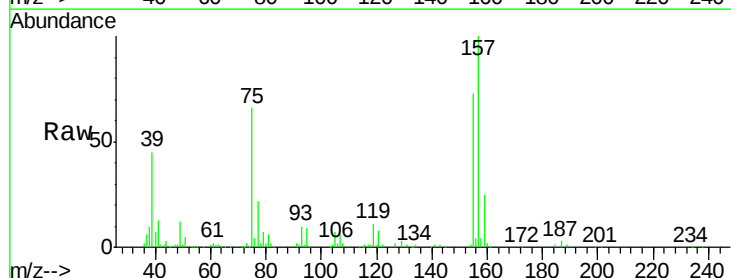
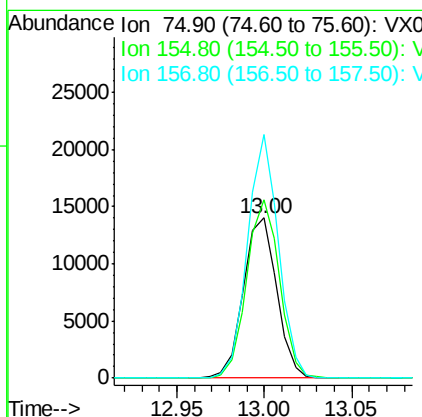
Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 11:54:14 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.364 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010173.D
 Acq: 10 Jun 2019 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18530		
155	109.6	39.3	117.8	
157	141.2	50.6	151.8	





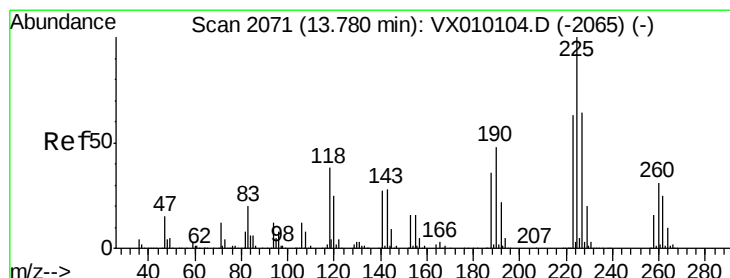
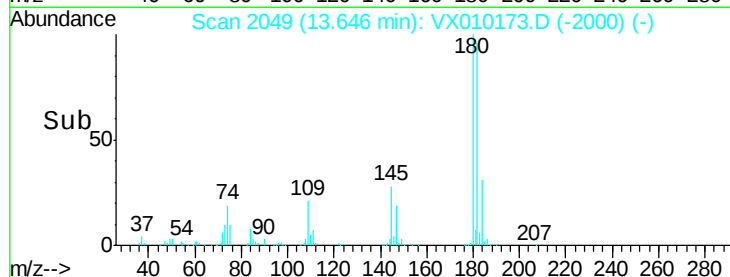
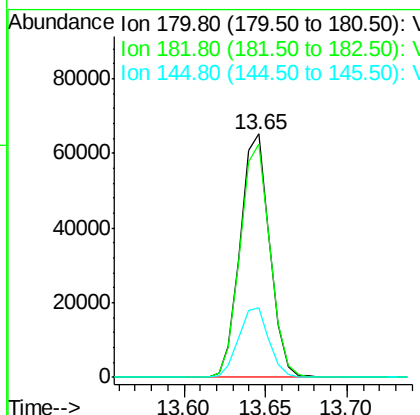
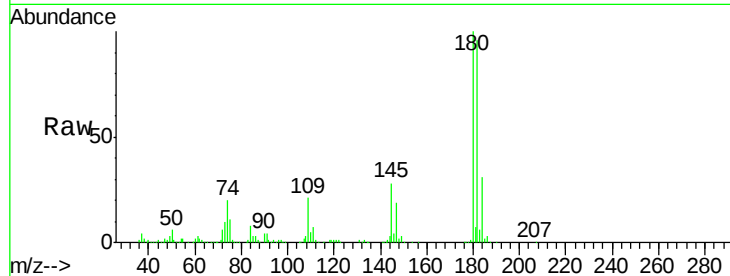
#93
 1,2,4-Trichlorobenzene
 Concen: 18.067 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010173.D
 Acq: 10 Jun 2019 13:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0610WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	82505		
182	97.0		47.4	142.2
145	29.0		14.5	43.5

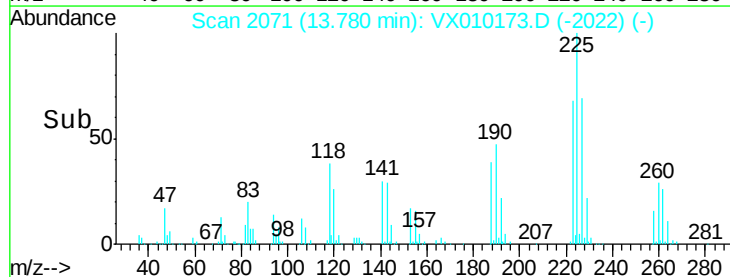
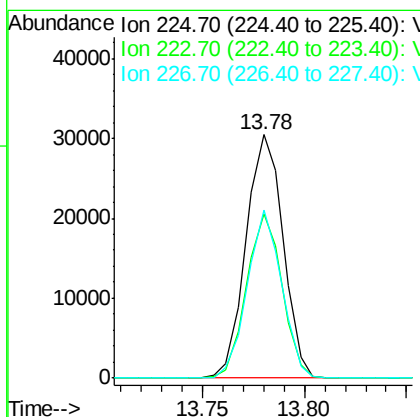
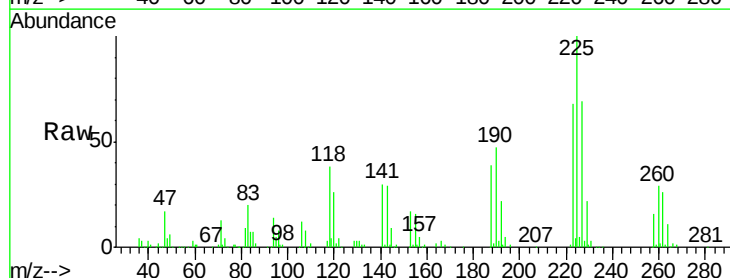
Manual Integrations
 APPROVED

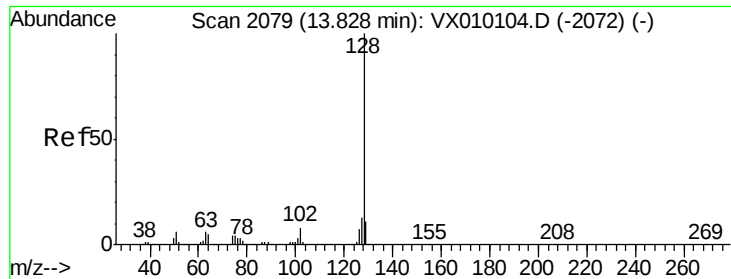
MMDadoda
 6/11/2019 11:54:14 AM



#94
 Hexachlorobutadiene
 Concen: 18.934 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010173.D
 Acq: 10 Jun 2019 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	38453		
223	64.8		31.3	93.8
227	64.3		32.3	96.8





#95

Naphthalene

Concen: 18.166 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

Instrument :

MSVOA_X

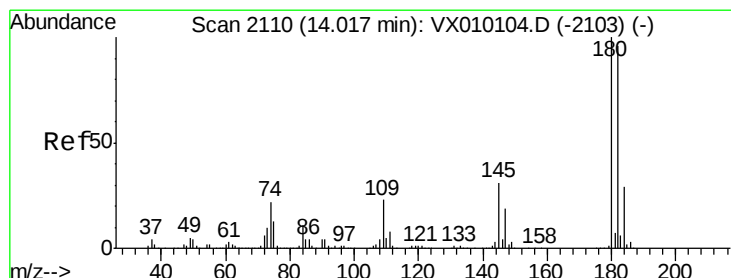
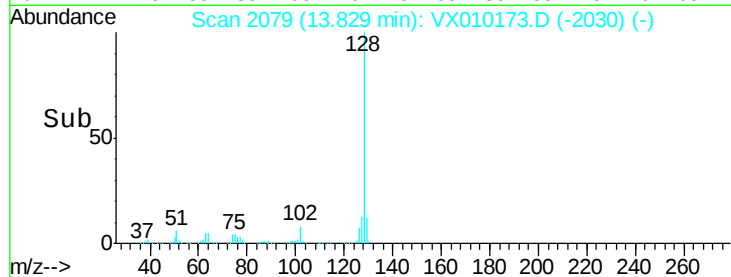
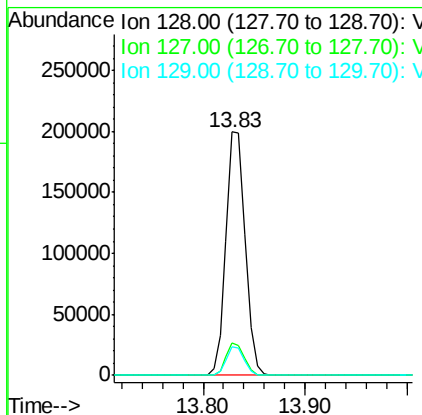
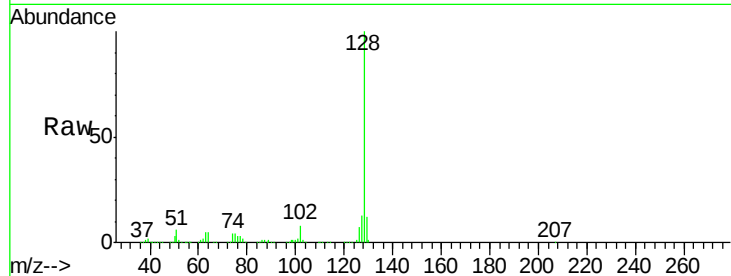
ClientSampleId :

VX0610WBS02

Tot Ion:	128	Resp:	261134
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	16.0
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/11/2019 11:54:14 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.756 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010173.D

Acq: 10 Jun 2019 13:25

Tgt Ion:	180	Resp:	84687
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.3	142.0
145	30.0	15.6	46.7

