

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042919\
 Data File : VX009211.D
 Acq On : 29 Apr 2019 16:46
 Operator : JC/SP
 Sample : VX0429WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0429WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/30/2019 11:03:51 AM

Quant Time: Apr 30 08:10:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	192107	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	310961	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	278918	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	132359	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	143561	54.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.48%	
35) Dibromofluoromethane	5.50	113	104734	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	
50) Toluene-d8	8.71	98	431466	54.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.34%	
62) 4-Bromofluorobenzene	11.13	95	151552	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	35414	20.005 ug/l	98
3) Chloromethane	1.32	50	48294	19.982 ug/l	98
4) Vinyl Chloride	1.40	62	46288	19.640 ug/l	100
5) Bromomethane	1.64	94	27717	19.594 ug/l	96
6) Chloroethane	1.72	64	29032	19.186 ug/l	99
7) Trichlorofluoromethane	1.93	101	56322	19.660 ug/l	97
8) Diethyl Ether	2.19	74	25882	19.073 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	35824	19.913 ug/l	100
10) Methyl Iodide	2.51	142	31188	18.144 ug/l	100
11) Tert butyl alcohol	3.04	59	59556	98.109 ug/l	100
12) 1,1-Dichloroethene	2.37	96	35839	19.883 ug/l	96
13) Acrolein	2.29	56	50926	92.634 ug/l	98
14) Allyl chloride	2.73	41	84125	19.151 ug/l	99
15) Acrylonitrile	3.14	53	145211	97.834 ug/l	99
16) Acetone	2.44	43	139241	98.881 ug/l	98
17) Carbon Disulfide	2.57	76	98492	19.462 ug/l	99
18) Methyl Acetate	2.78	43	64982	19.404 ug/l	100
19) Methyl tert-butyl Ether	3.20	73	138227	19.748 ug/l	100
20) Methylene Chloride	2.85	84	42819	18.780 ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	37450	19.158 ug/l	99
22) Diisopropyl ether	3.85	45	167207	19.793 ug/l	96
23) Vinyl Acetate	3.81	43	731751	101.156 ug/l	100
24) 1,1-Dichloroethane	3.70	63	80434	19.301 ug/l	100
25) 2-Butanone	4.67	43	222375	101.622 ug/l	99
26) 2,2-Dichloropropane	4.59	77	59355	19.135 ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	44794	19.198 ug/l	100
28) Bromochloromethane	5.01	49	34532	18.878 ug/l	99
29) Tetrahydrofuran	5.13	42	141894	100.767 ug/l	99
30) Chloroform	5.21	83	74001	19.633 ug/l	97
31) Cyclohexane	5.58	56	77048	19.872 ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	61128	19.482 ug/l	99
36) 1,1-Dichloropropene	5.80	75	55228	19.111 ug/l	99
37) Ethyl Acetate	4.84	43	80289	19.941 ug/l	98
38) Carbon Tetrachloride	5.78	117	50362	19.181 ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042919\
 Data File : VX009211.D
 Acq On : 29 Apr 2019 16:46
 Operator : JC/SP
 Sample : VX0429WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0429WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/30/2019 11:03:51 AM

Quant Time: Apr 30 08:10:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	69632	19.620	ug/l	97
40) Benzene	6.14	78	174253	19.484	ug/l	99
41) Methacrylonitrile	5.04	41	45450	18.963	ug/l	98
42) 1,2-Dichloroethane	6.19	62	63173	19.691	ug/l	99
43) Isopropyl Acetate	6.45	43	126704	19.673	ug/l	100
44) Trichloroethene	7.21	130	41348	19.124	ug/l	99
45) 1,2-Dichloropropane	7.51	63	49595	19.584	ug/l	98
46) Dibromomethane	7.66	93	28097	19.106	ug/l	100
47) Bromodichloromethane	7.90	83	55162	18.804	ug/l	98
48) Methyl methacrylate	7.77	41	62105	19.437	ug/l	98
49) 1,4-Dioxane	7.74	88	25177	388.542	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	415557	98.718	ug/l	100
52) Toluene	8.78	92	106150	19.526	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	63129	19.061	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	70624	19.266	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	42917	19.350	ug/l	96
56) Ethyl methacrylate	9.18	69	77562	19.591	ug/l	100
57) 1,3-Dichloropropane	9.37	76	75770	19.413	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	206317	98.232	ug/l	100
59) 2-Hexanone	9.49	43	323709	97.912	ug/l	100
60) Dibromochloromethane	9.58	129	41027	18.939	ug/l	99
61) 1,2-Dibromoethane	9.67	107	44143	19.717	ug/l	99
64) Tetrachloroethene	9.34	164	36864	19.268	ug/l	99
65) Chlorobenzene	10.14	112	106528	19.092	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	38506	19.036	ug/l	99
67) Ethyl Benzene	10.25	91	198416	19.323	ug/l	98
68) m/p-Xylenes	10.36	106	144299	38.454	ug/l	97
69) o-Xylene	10.70	106	71336	19.268	ug/l	100
70) Styrene	10.71	104	123060	19.124	ug/l	99
71) Bromoform	10.85	173	30424	18.508	ug/l #	100
73) Isopropylbenzene	11.02	105	191055	19.850	ug/l	98
74) N-amyl acetate	10.90	43	108967	19.419	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	70369	19.612	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	61432m	20.009	ug/l	
77) Bromobenzene	11.26	156	46771	19.578	ug/l	99
78) n-propylbenzene	11.36	91	217456	19.783	ug/l	100
79) 2-Chlorotoluene	11.42	91	131956	19.458	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	160278	19.777	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	22329	18.608	ug/l	96
82) 4-Chlorotoluene	11.51	91	148286	19.355	ug/l	100
83) tert-Butylbenzene	11.77	119	155255	19.693	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	162265	19.947	ug/l	99
85) sec-Butylbenzene	11.94	105	182822	19.560	ug/l	100
86) p-Isopropyltoluene	12.06	119	165206	19.661	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	81627	19.167	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	81682	19.024	ug/l	99
89) n-Butylbenzene	12.38	91	148074	19.497	ug/l	99
90) Hexachloroethane	12.60	117	27223	19.016	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	83313	19.207	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	16190	20.114	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042919\
Data File : VX009211.D
Acq On : 29 Apr 2019 16:46
Operator : JC/SP
Sample : VX0429WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0429WBS01

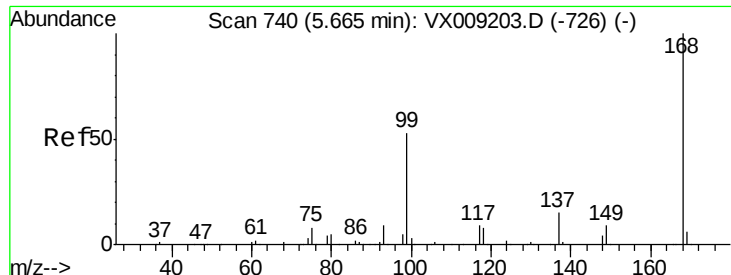
Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:03:51 AM

Quant Time: Apr 30 08:10:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:03:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	57031	19.226	ug/l	99
94) Hexachlorobutadiene	13.78	225	28483	18.804	ug/l	99
95) Naphthalene	13.83	128	197504	20.465	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	58685	19.517	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

VX0429WBS01

Tot Ion:168 Resp: 192107

Ion Ratio Lower Upper

168 100

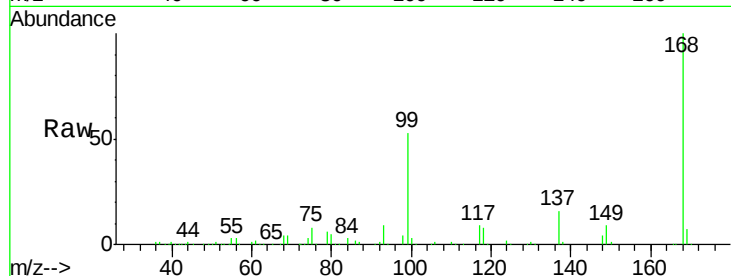
99 52.9 42.3 63.5

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:03:51 AM

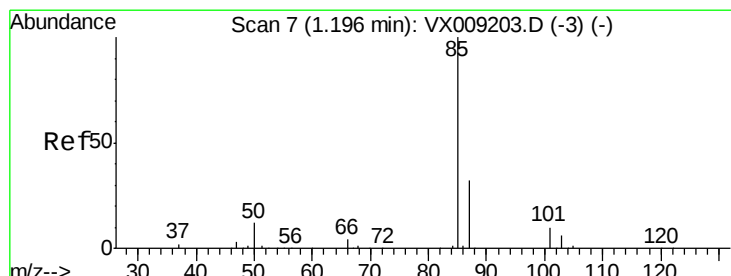
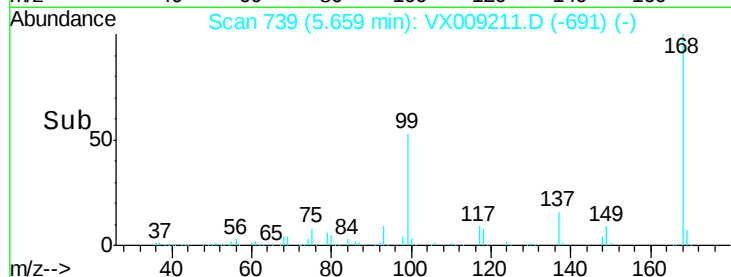


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

Time-->



#2

Dichlorodifluoromethane

Concen: 20.005 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009211.D

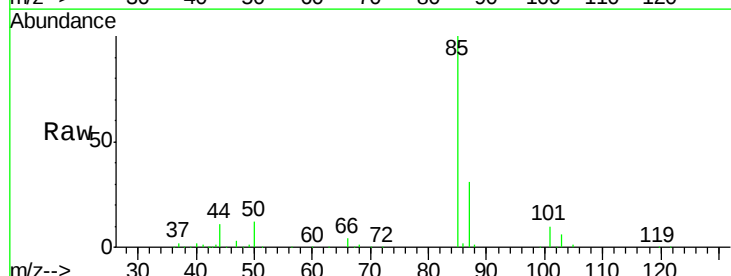
Acq: 29 Apr 2019 16:46

Tgt Ion: 85 Resp: 35414

Ion Ratio Lower Upper

85 100

87 31.2 16.1 48.3

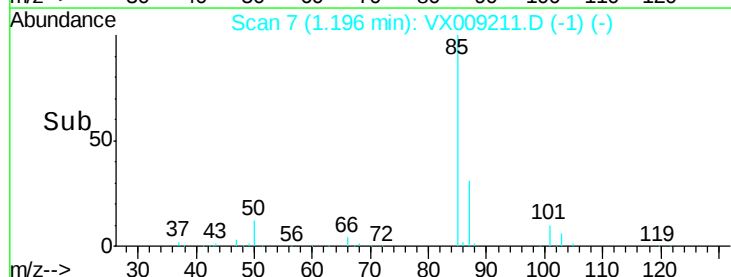


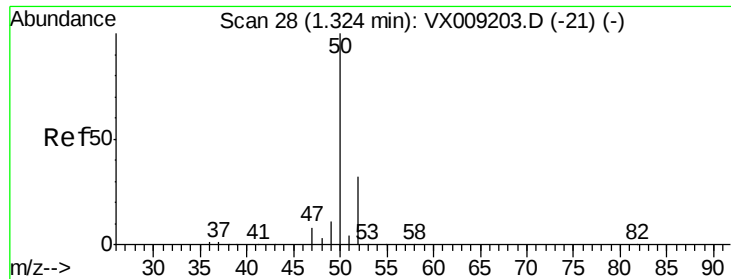
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

Time-->





#3

Chloromethane

Concen: 19.982 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

VX0429WBS01

Tot Ion: 50 Resp: 48294

Ion Ratio Lower Upper

50 100

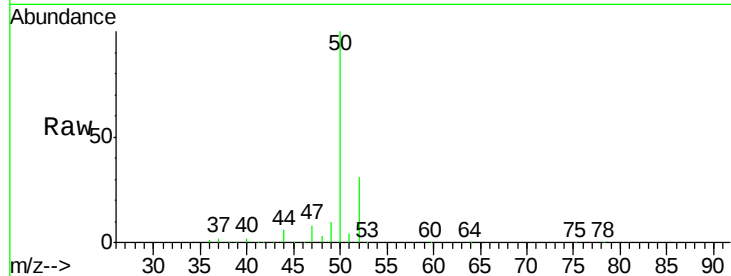
52 31.5 25.9 38.9

Manual Integrations

APPROVED

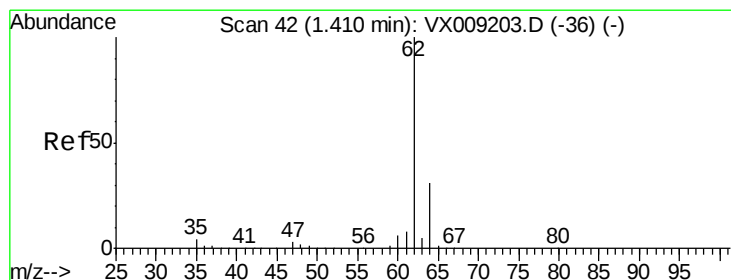
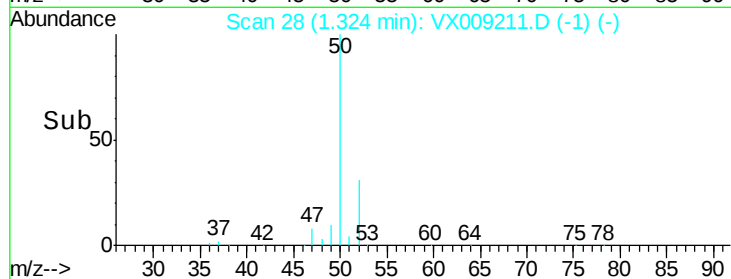
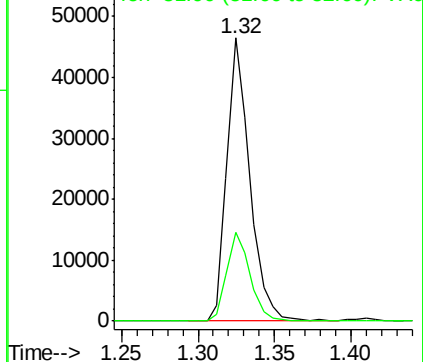
MMDadoda

4/30/2019 11:03:51 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.640 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009211.D

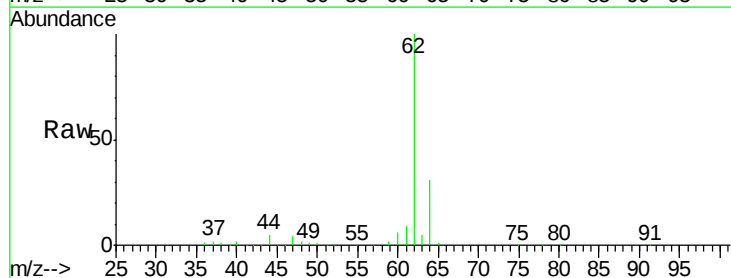
Acq: 29 Apr 2019 16:46

Tgt Ion: 62 Resp: 46288

Ion Ratio Lower Upper

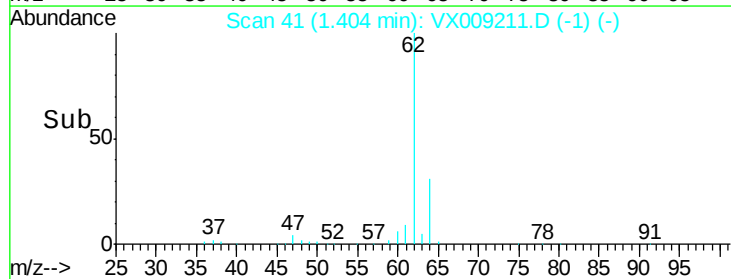
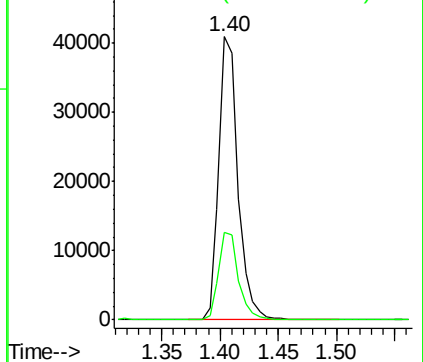
62 100

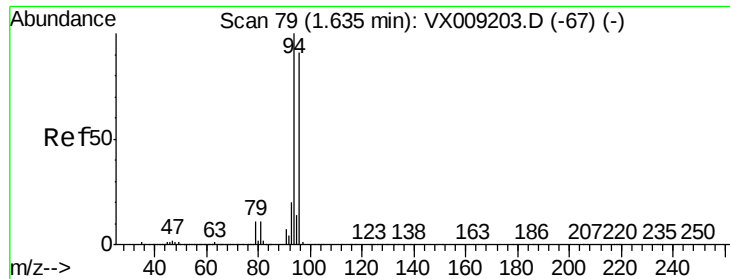
64 30.7 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.594 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

VX0429WBS01

Tot Ion: 94 Resp: 27717

Ion Ratio Lower Upper

94 100

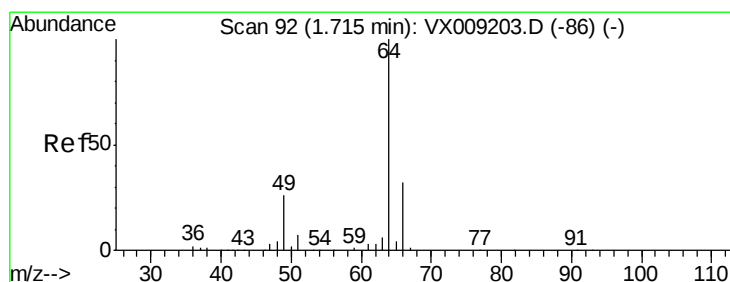
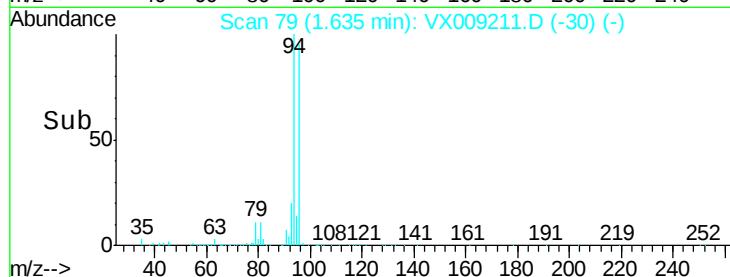
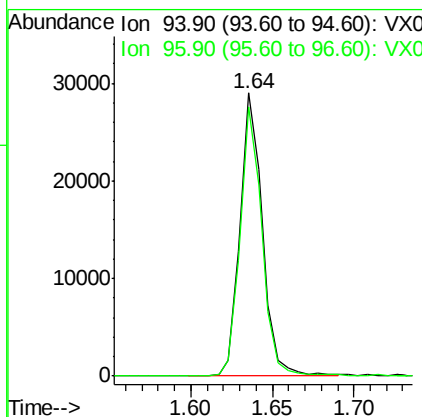
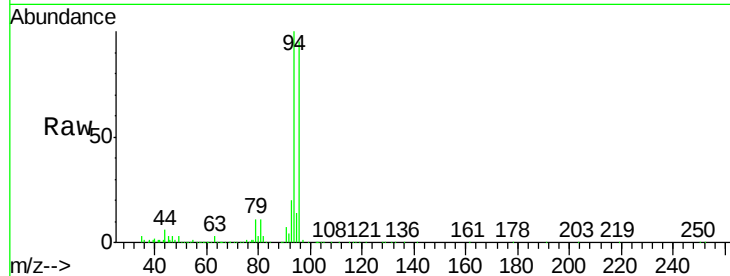
96 95.0 73.0 109.6

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:03:51 AM



#6

Chloroethane

Concen: 19.186 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009211.D

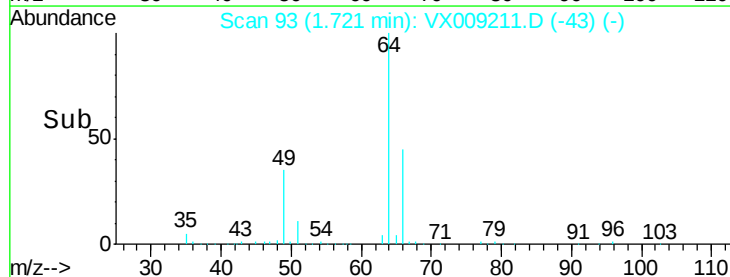
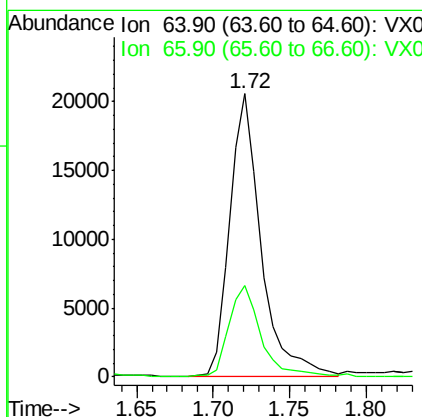
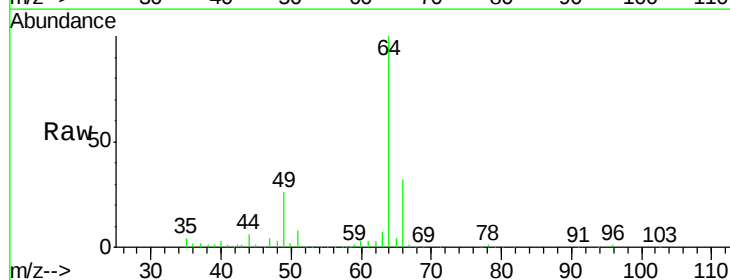
Acq: 29 Apr 2019 16:46

Tgt Ion: 64 Resp: 29032

Ion Ratio Lower Upper

64 100

66 32.4 25.3 37.9





#7

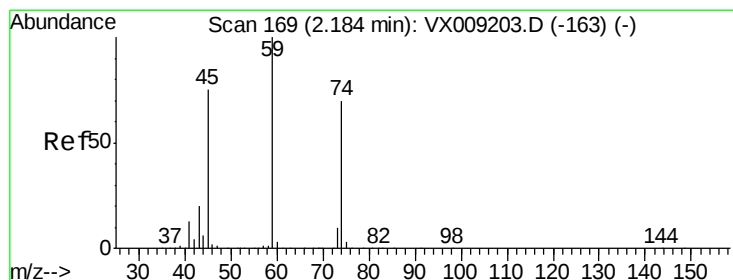
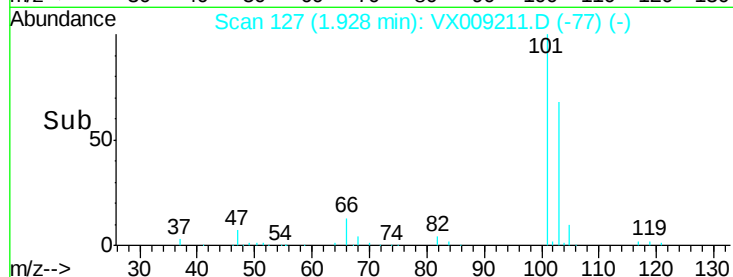
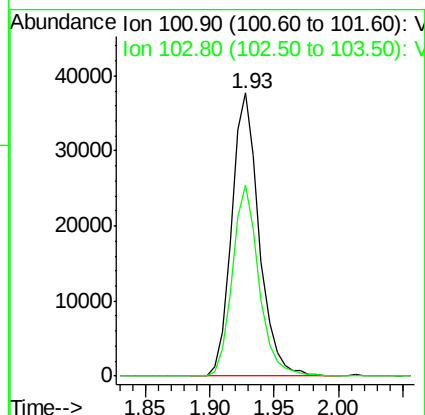
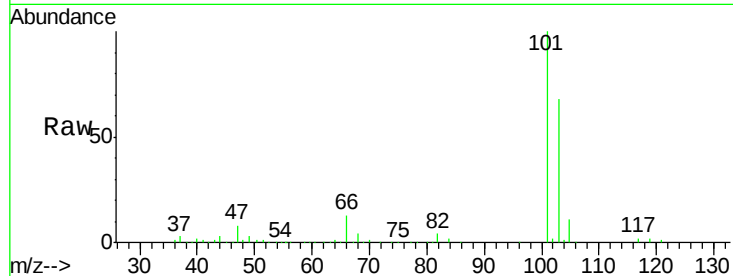
Trichlorofluoromethane
Concen: 19.660 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX009211.D
Acq: 29 Apr 2019 16:46

Instrument :
MSVOA_X
ClientSampleId :
VX0429WBS01

Tot Ion:101 Resp: 56322
Ion Ratio Lower Upper
101 100
103 67.8 52.4 78.6

Manual Integrations
APPROVED

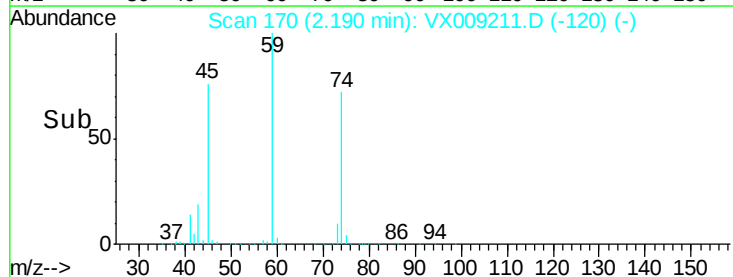
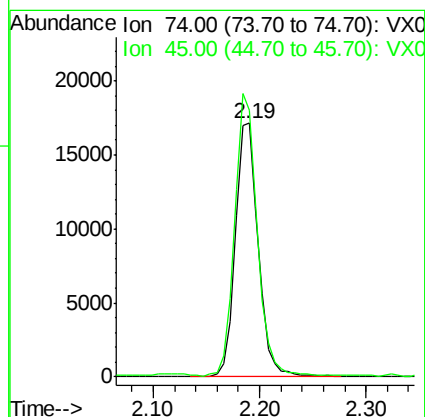
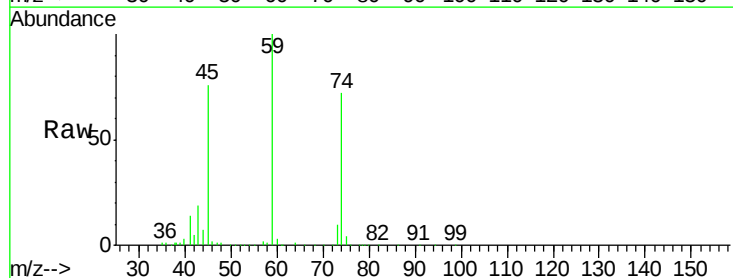
MMDadoda
4/30/2019 11:03:51 AM



#8

Diethyl Ether
Concen: 19.073 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009211.D
Acq: 29 Apr 2019 16:46

Tgt Ion: 74 Resp: 25882
Ion Ratio Lower Upper
74 100
45 109.2 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.913 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Instrument :

MSVOA_X

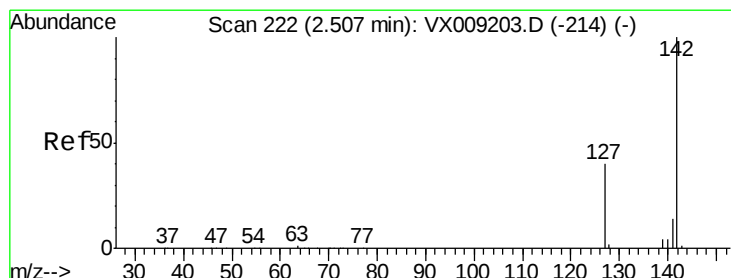
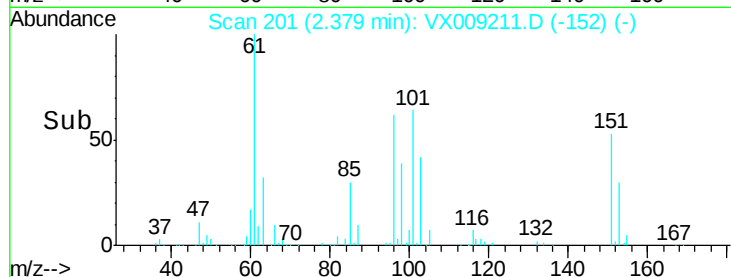
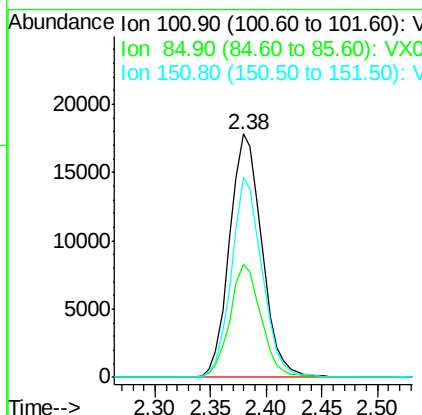
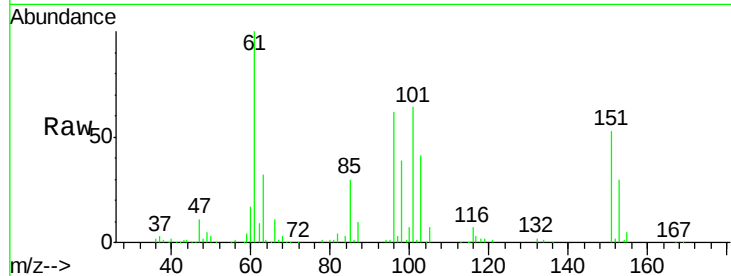
ClientSampleId :

VX0429WBS01

Tot Ion:	101	Resp:	35824
Ion Ratio	Lower	Upper	
101	100		
85	45.1	35.7	53.5
151	77.8	62.2	93.2

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:03:51 AM



#10

Methyl Iodide

Concen: 18.144 ug/l

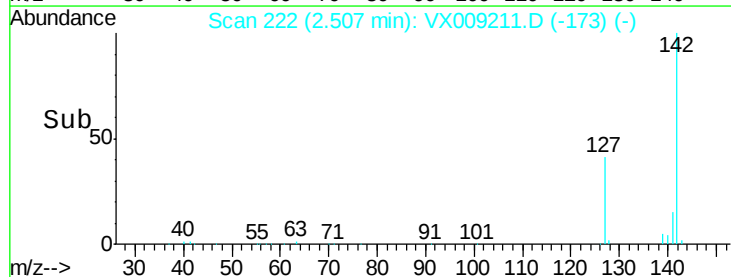
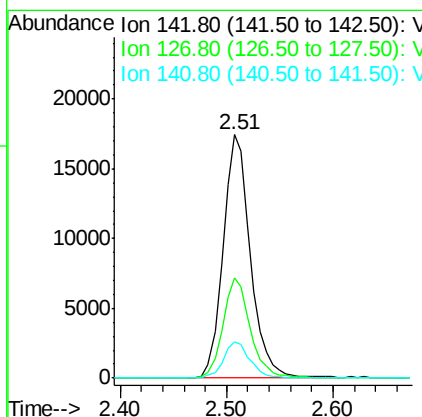
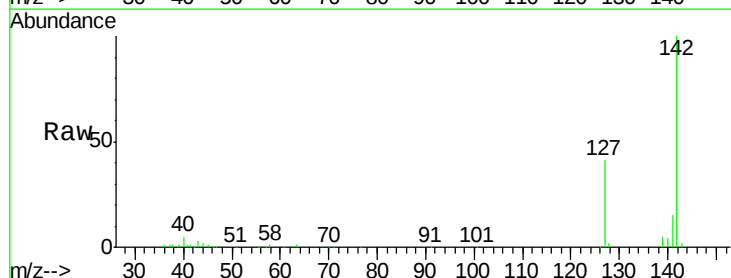
RT: 2.51 min Scan# 222

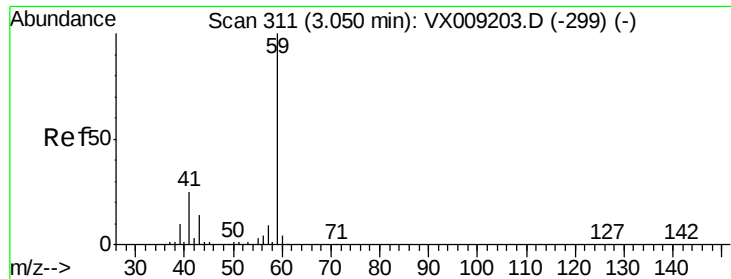
Delta R.T. 0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Tgt Ion:	142	Resp:	31188
Ion Ratio	Lower	Upper	
142	100		
127	41.2	32.7	49.1
141	14.6	11.5	17.3





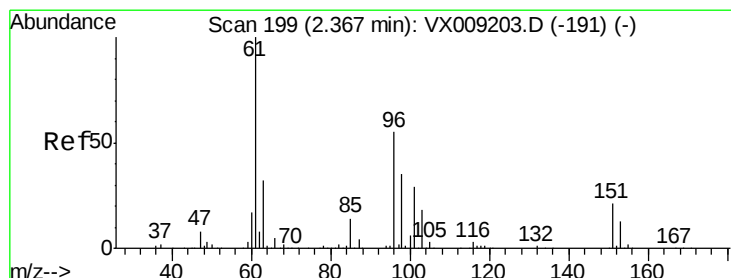
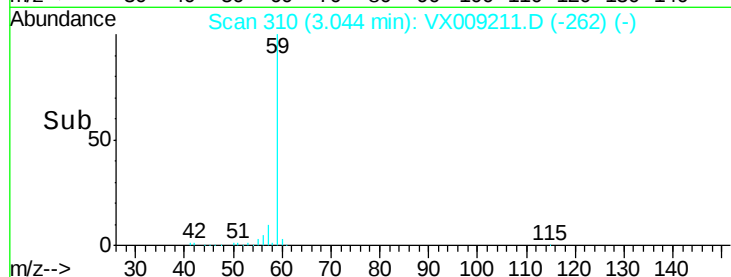
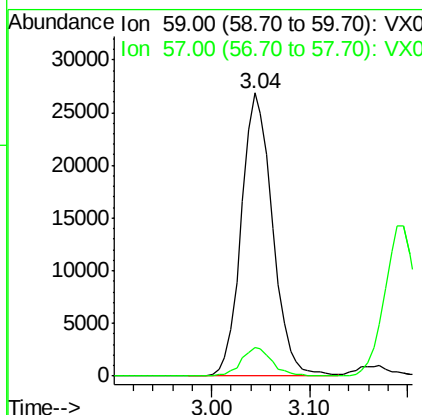
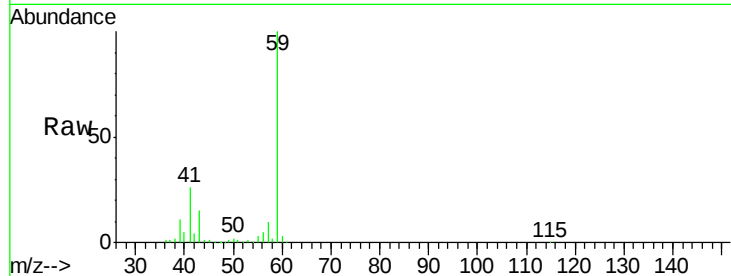
#11
Tert butyl alcohol
Concen: 98.109 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009211.D
Acq: 29 Apr 2019 16:46

Instrument :
MSVOA_X
ClientSampleId :
VX0429WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

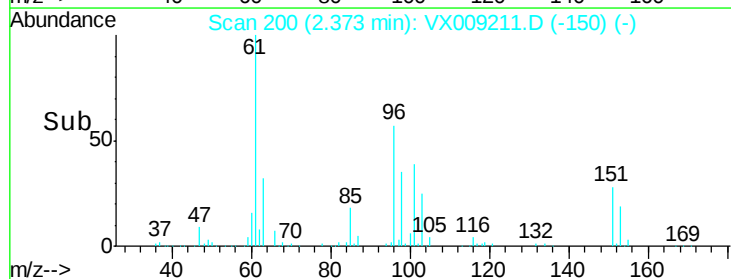
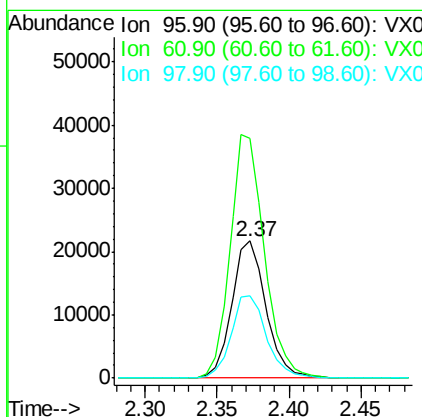
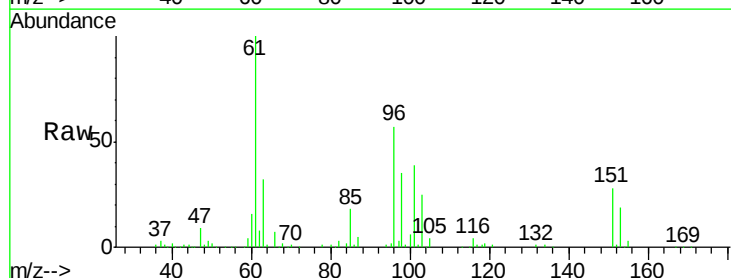
Manual Integrations
APPROVED

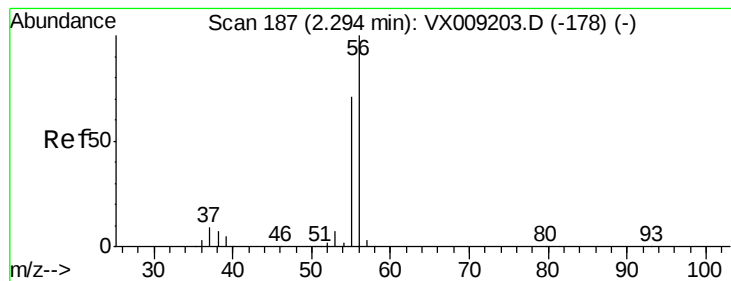
MMDadoda
4/30/2019 11:03:51 AM



#12
1,1-Dichloroethene
Concen: 19.883 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009211.D
Acq: 29 Apr 2019 16:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.3	144.3	216.5
98	60.4	50.3	75.5





#13

Acrolein

Concen: 92.634 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

VX0429WBS01

Tot Ion: 56 Resp: 50926

Ion Ratio Lower Upper

56 100

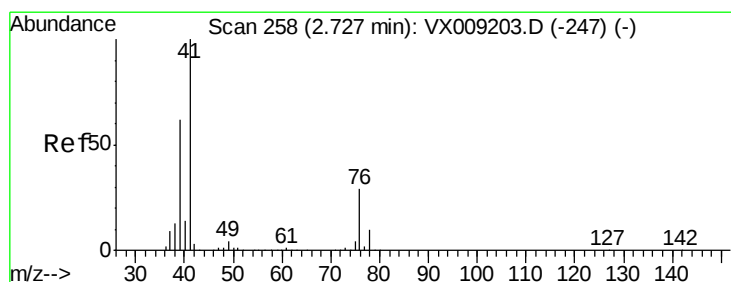
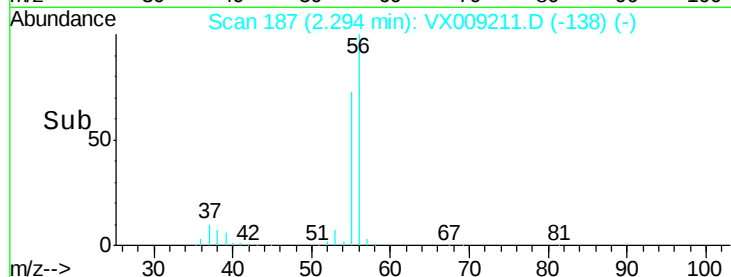
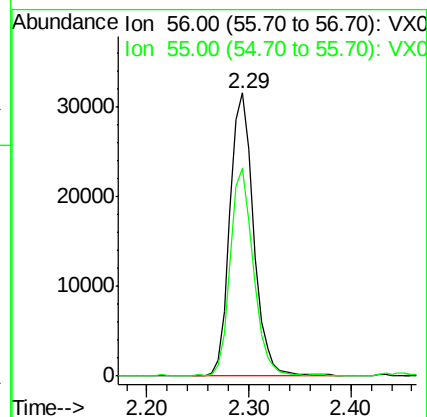
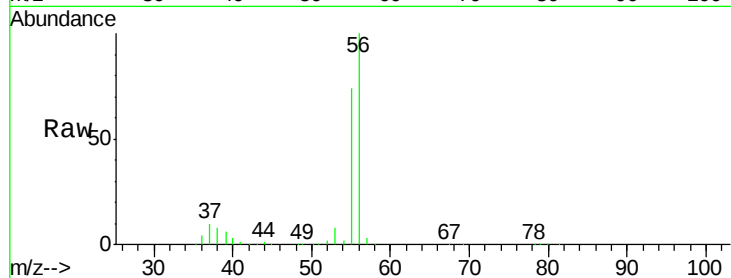
55 72.1 56.6 85.0

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:03:51 AM



#14

Allyl chloride

Concen: 19.151 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

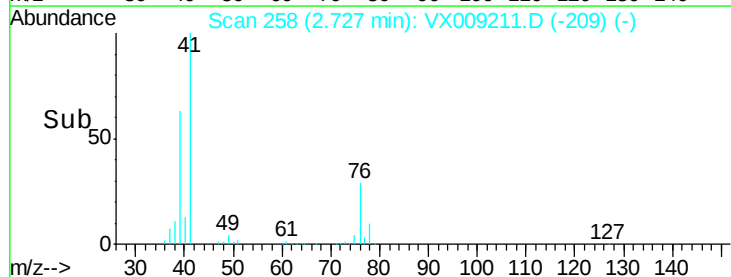
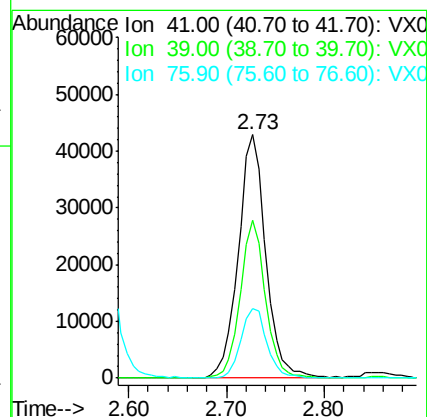
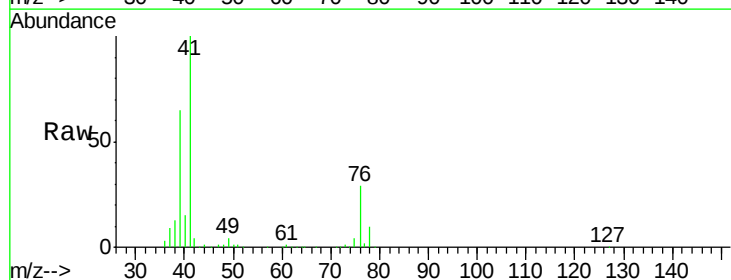
Tgt Ion: 41 Resp: 84125

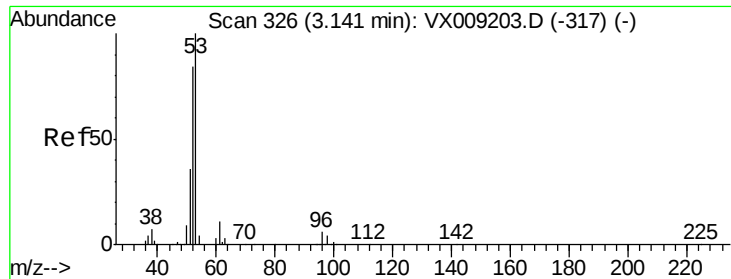
Ion Ratio Lower Upper

41 100

39 59.5 46.7 70.1

76 27.2 21.8 32.8





#15

Acrylonitrile

Concen: 97.834 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Instrument :

MSVOA_X

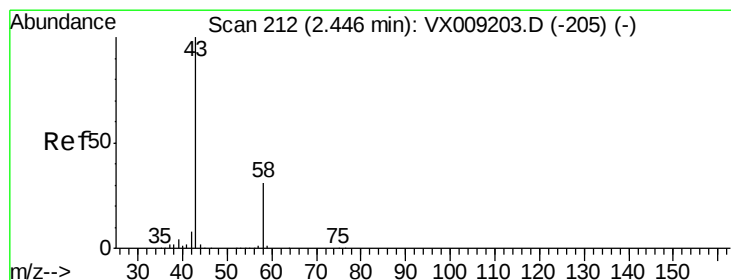
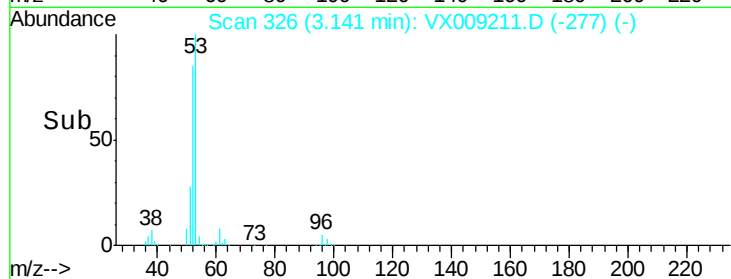
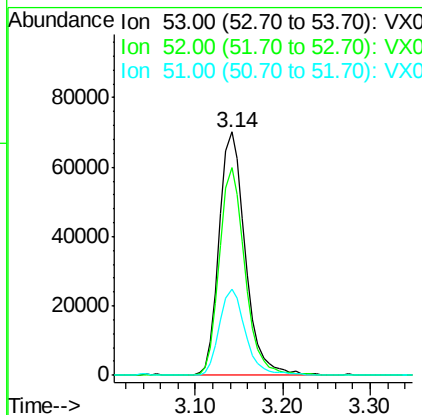
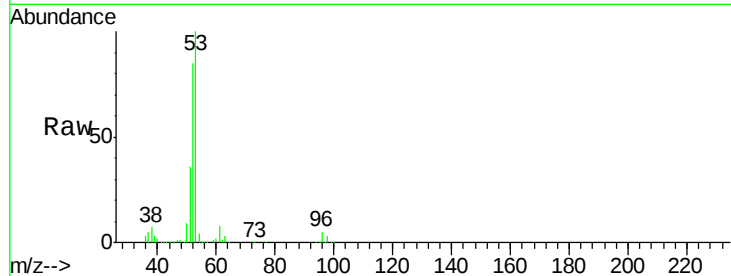
ClientSampleId :

VX0429WBS01

Tot Ion:	53	Resp:	145211
Ion Ratio		Lower	Upper
53	100		
52	84.1	66.9	100.3
51	35.8	28.2	42.2

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:03:51 AM



#16

Acetone

Concen: 98.881 ug/l

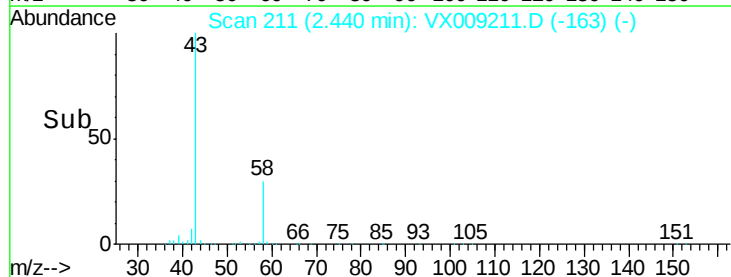
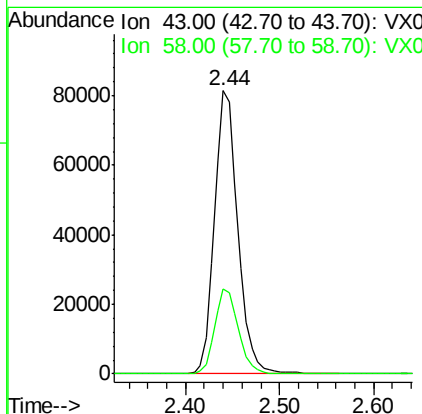
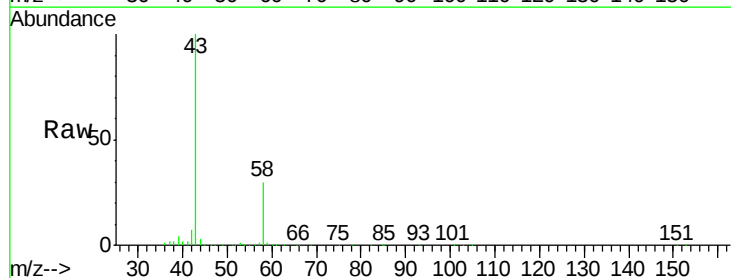
RT: 2.44 min Scan# 211

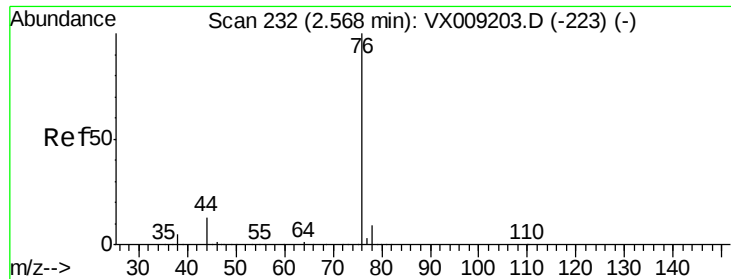
Delta R.T. -0.01 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Tgt Ion:	43	Resp:	139241
Ion Ratio		Lower	Upper
43	100		
58	30.0	24.9	37.3





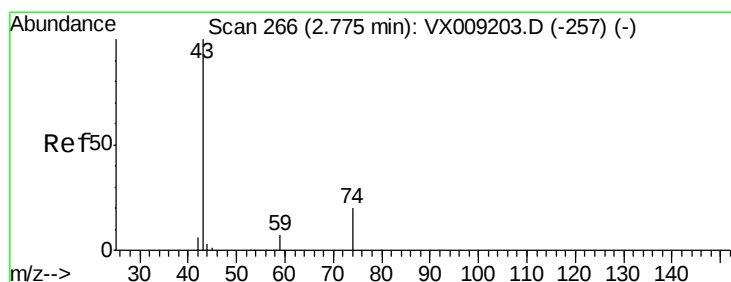
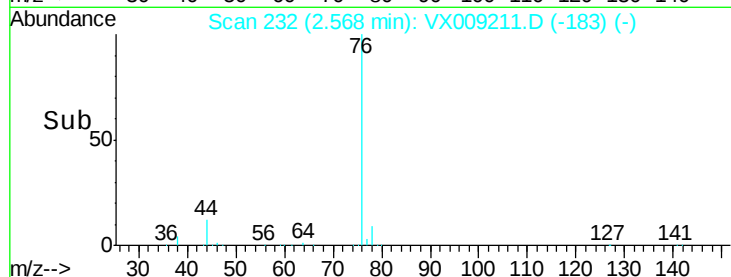
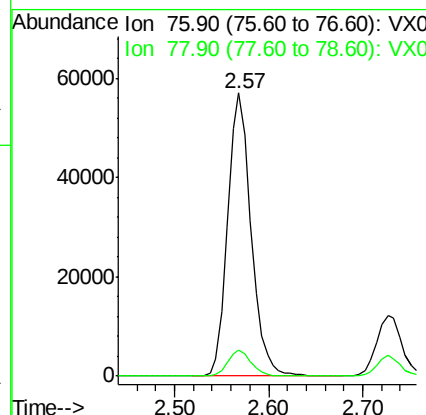
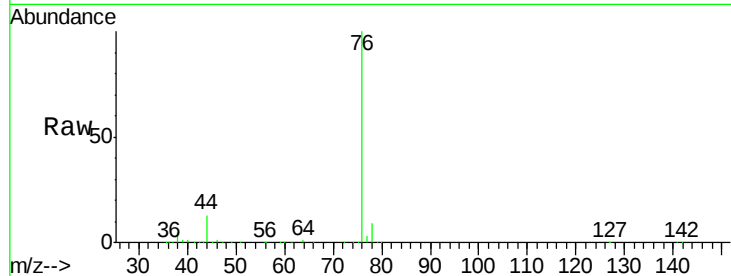
#17
Carbon Disulfide
Concen: 19.462 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX009211.D
Acq: 29 Apr 2019 16:46

Instrument :
MSVOA_X
ClientSampleId :
VX0429WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.0

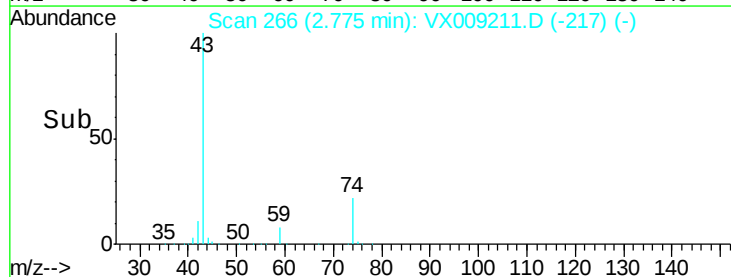
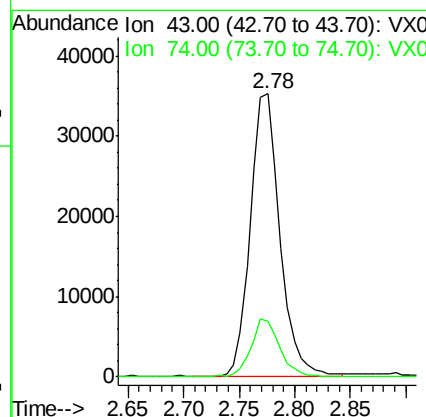
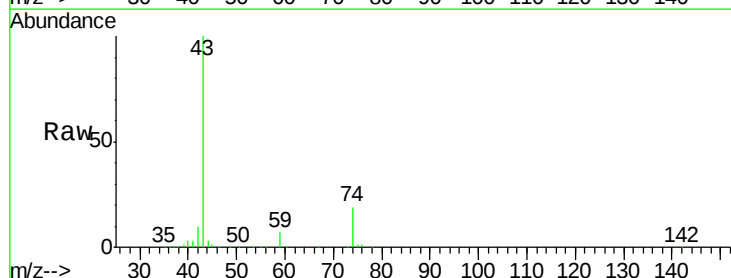
Manual Integrations
APPROVED

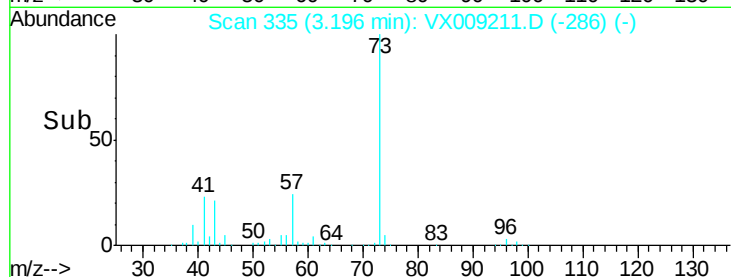
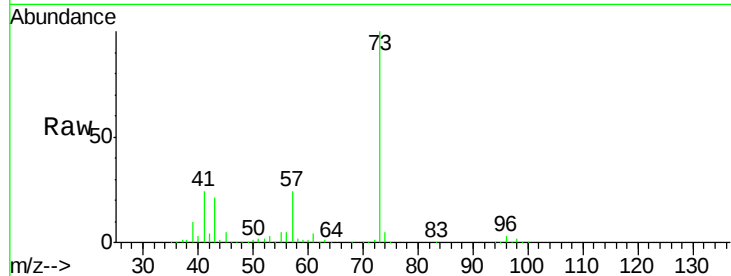
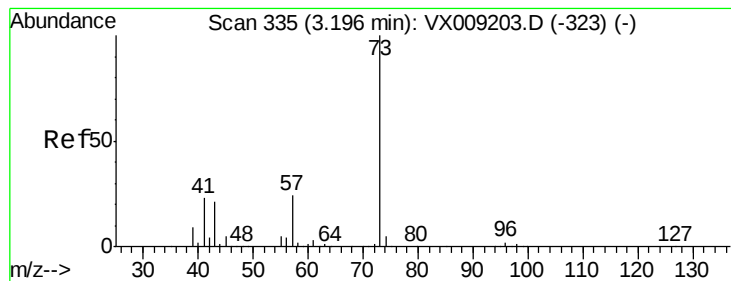
MMDadoda
4/30/2019 11:03:51 AM



#18
Methyl Acetate
Concen: 19.404 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009211.D
Acq: 29 Apr 2019 16:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.3	16.2	24.4





#19

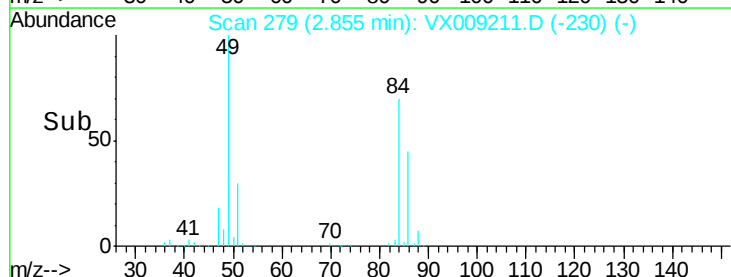
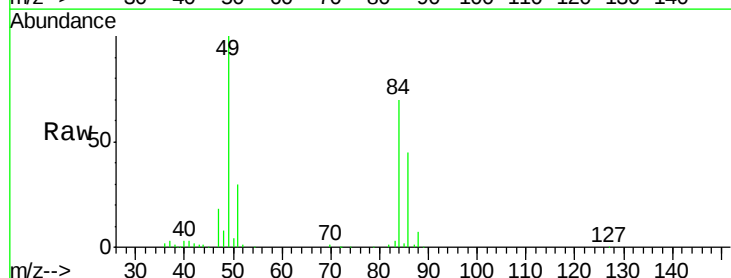
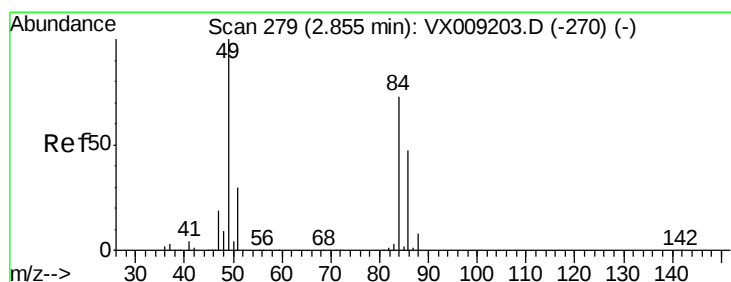
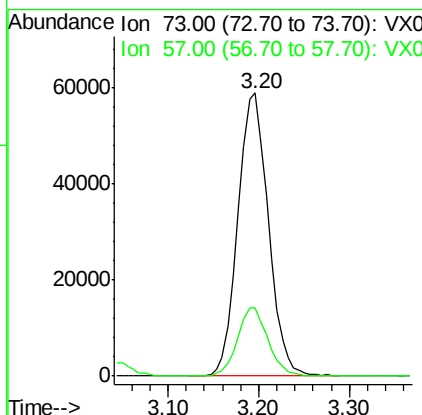
Methyl tert-butyl Ether
Concen: 19.748 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009211.D
Acq: 29 Apr 2019 16:46

Tot Ion	73	Resp	138227
Ion Ratio	100	Lower	Upper
73	100		
57	24.3	19.3	28.9

Instrument :
MSVOA_X
ClientSampleId :
VX0429WBS01

Manual Integrations
APPROVED

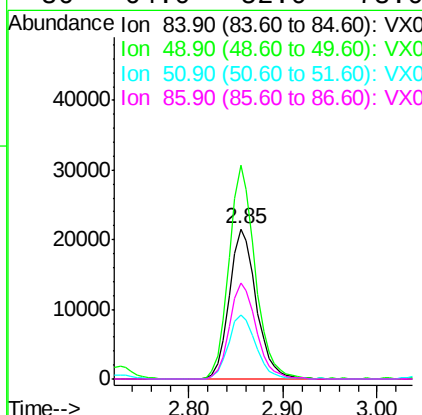
MMDadoda
4/30/2019 11:03:51 AM



#20

Methylene Chloride
Concen: 18.780 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009211.D
Acq: 29 Apr 2019 16:46

Tgt Ion	84	Resp	42819
Ion Ratio	100	Lower	Upper
84	100		
49	142.6	109.9	164.9
51	43.0	32.7	49.1
86	64.0	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 19.158 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

VX0429WBS01

Tot Ion: 96 Resp: 37450

Ion Ratio Lower Upper

96 100

61 155.7 124.5 186.7

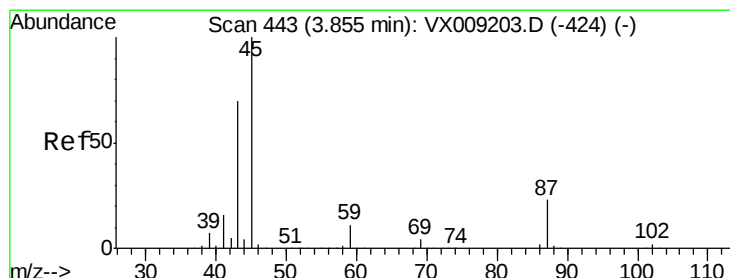
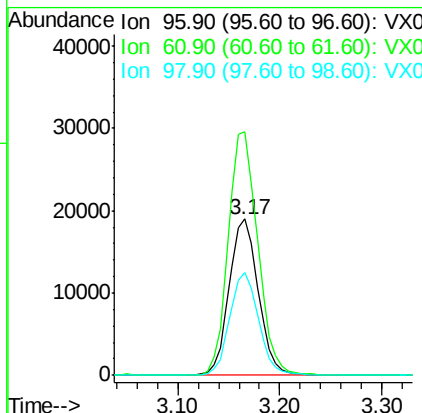
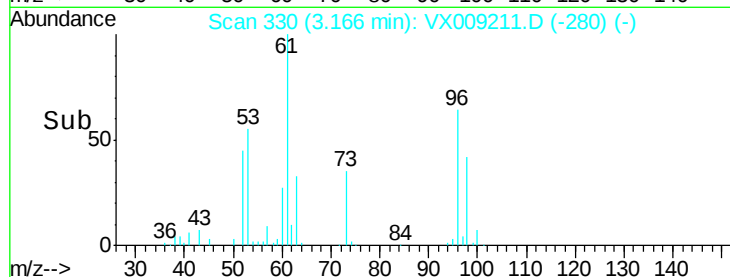
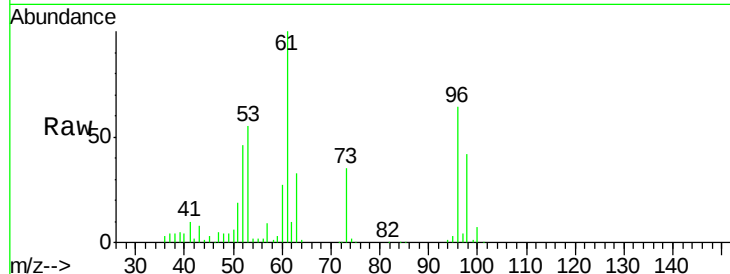
98 66.0 50.4 75.6

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:03:51 AM



#22

Diisopropyl ether

Concen: 19.793 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Tgt Ion: 45 Resp: 167207

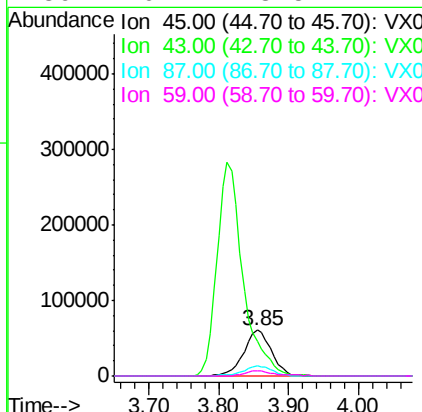
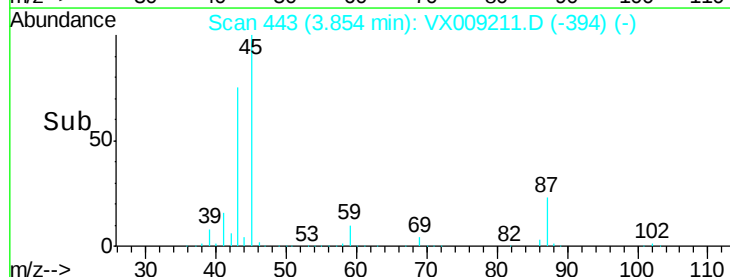
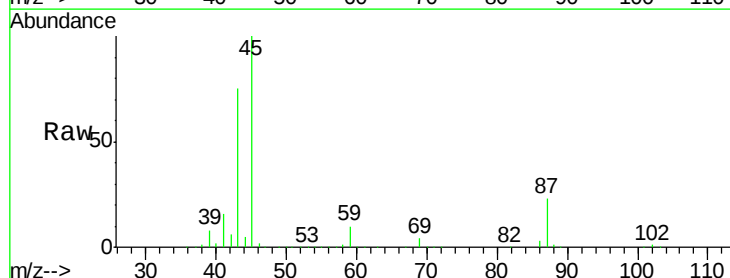
Ion Ratio Lower Upper

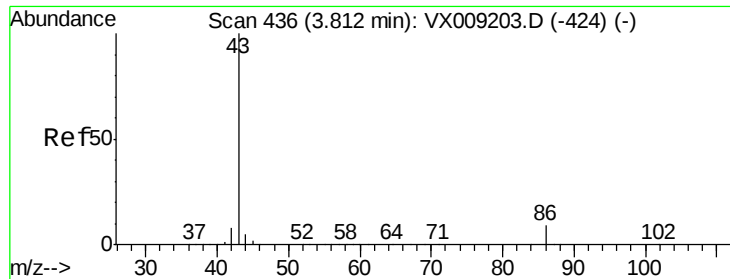
45 100

43 74.5 56.1 84.1

87 22.9 18.1 27.1

59 10.4 8.5 12.7





#23

Vinyl Acetate

Concen: 101.156 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

VX0429WBS01

Tot Ion: 43 Resp: 731751

Ion Ratio Lower Upper

43 100

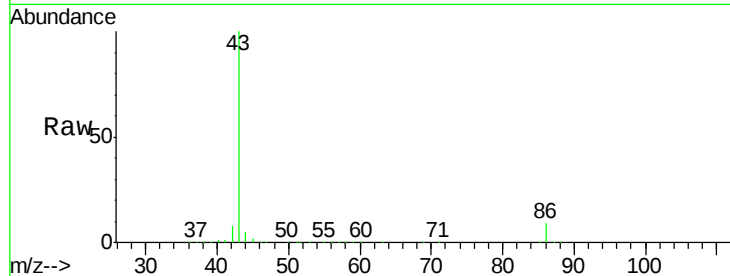
86 8.7 6.9 10.3

Manual Integrations

APPROVED

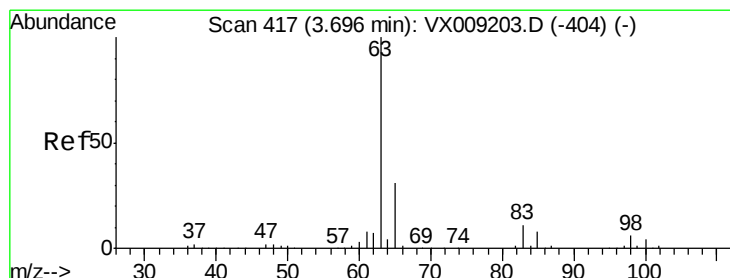
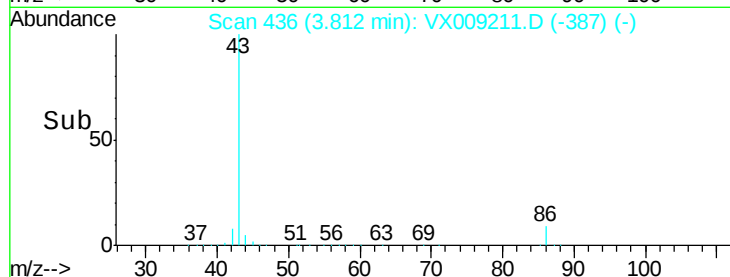
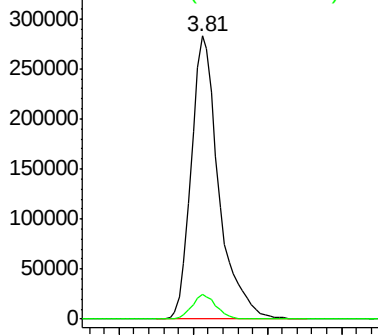
MMDadoda

4/30/2019 11:03:51 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.301 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

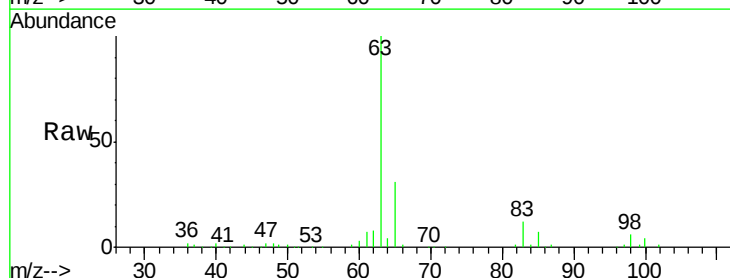
Tgt Ion: 63 Resp: 80434

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

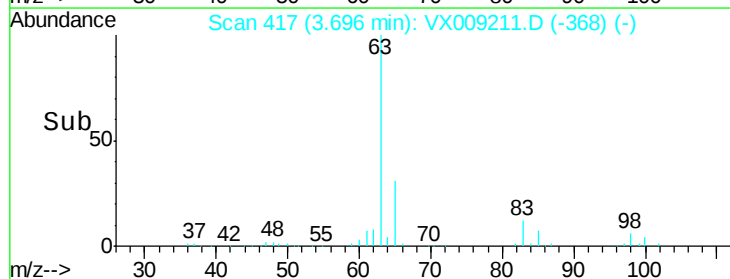
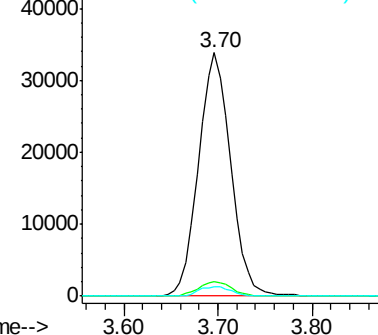
100 4.0 2.0 6.0

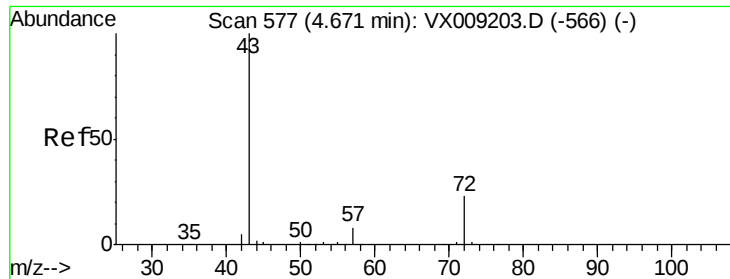


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 101.622 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

VX0429WBS01

Tot Ion: 43 Resp: 222375

Ion Ratio Lower Upper

43 100

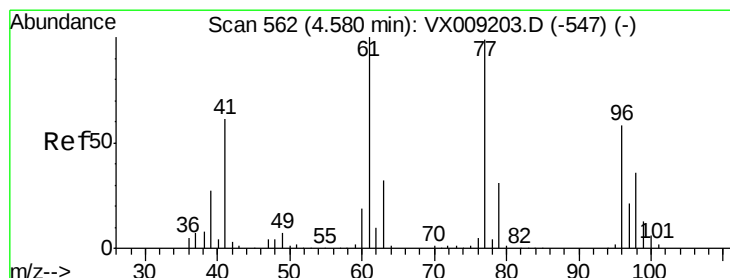
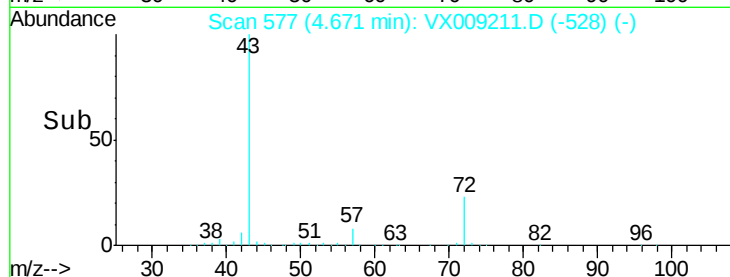
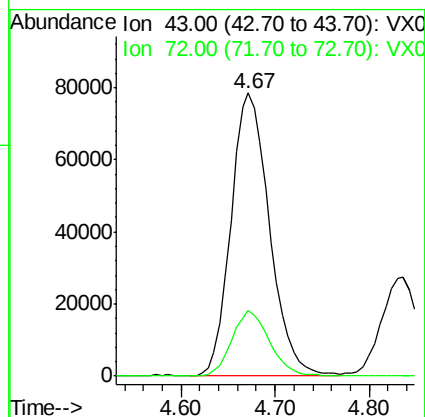
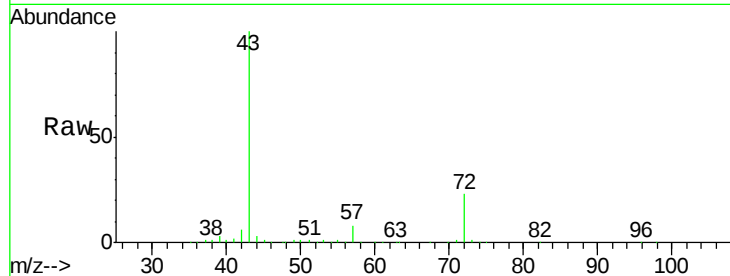
72 23.1 18.2 27.2

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:03:51 AM



#26

2,2-Dichloropropane

Concen: 19.135 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009211.D

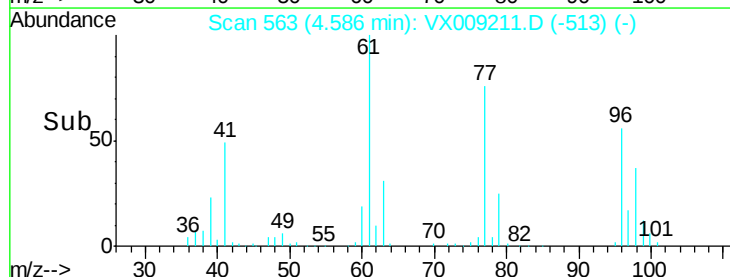
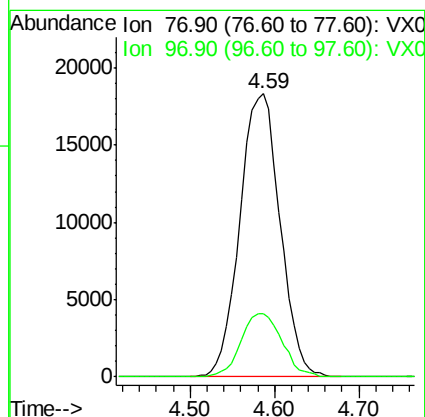
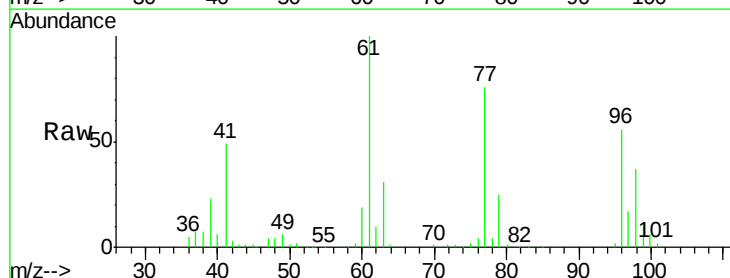
Acq: 29 Apr 2019 16:46

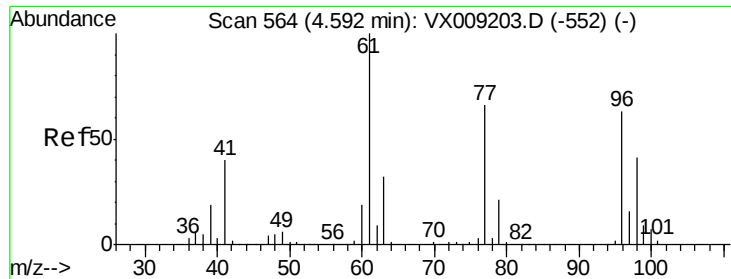
Tgt Ion: 77 Resp: 59355

Ion Ratio Lower Upper

77 100

97 22.9 11.5 34.4





#27

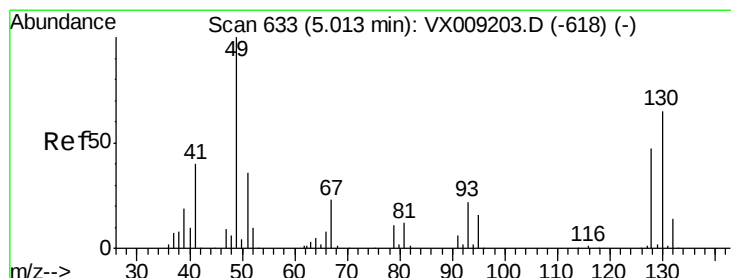
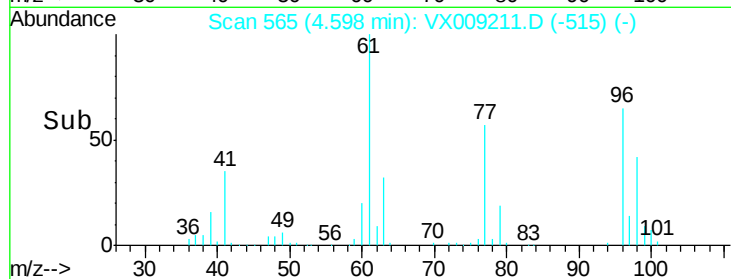
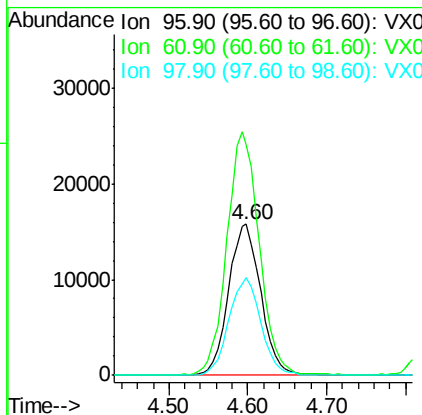
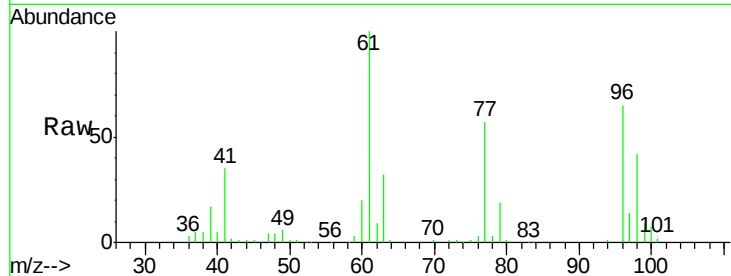
cis-1,2-Dichloroethene
Concen: 19.198 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009211.D
Acq: 29 Apr 2019 16:46

Instrument :
MSVOA_X
ClientSampleId :
VX0429WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.0	0.0	324.0
98	64.3	0.0	130.4

Manual Integrations
APPROVED

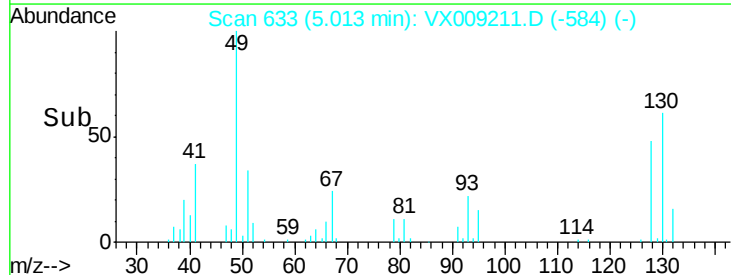
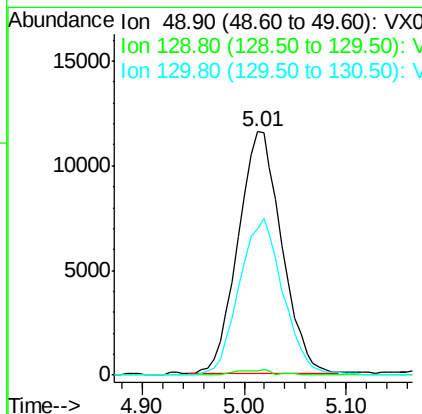
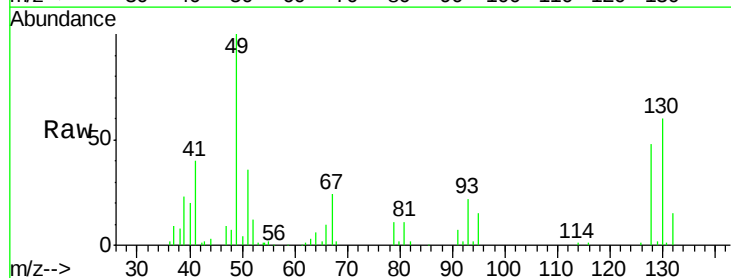
MMDadoda
4/30/2019 11:03:51 AM

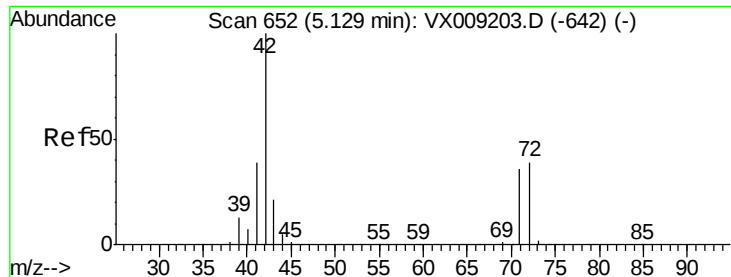


#28

Bromochloromethane
Concen: 18.878 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009211.D
Acq: 29 Apr 2019 16:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.8
130	64.9	51.2	76.8





#29

Tetrahydrofuran

Concen: 100.767 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Instrument :

MSVOA_X

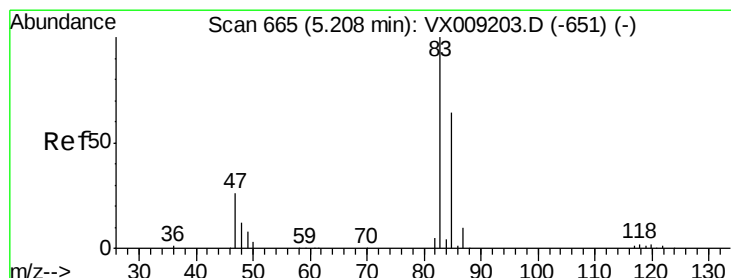
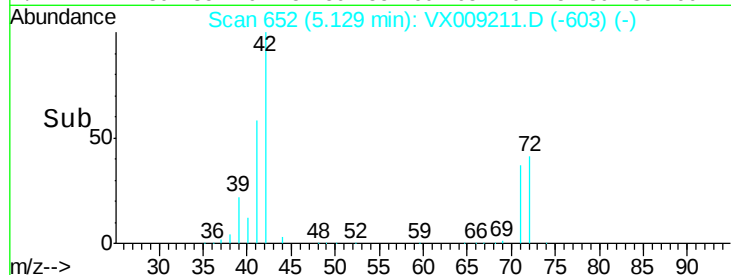
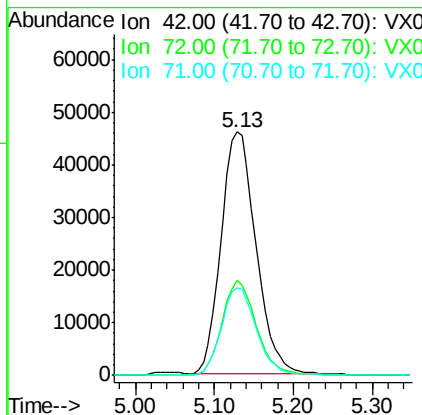
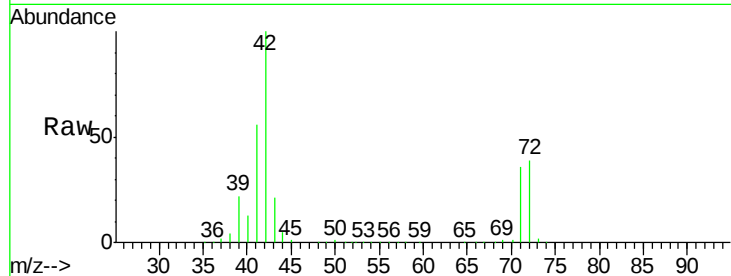
ClientSampleId :

VX0429WBS01

Tot Ion:	42	Resp:	141894
Ion	Ratio	Lower	Upper
42	100		
72	39.0	30.4	45.6
71	36.3	28.6	43.0

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:03:51 AM



#30

Chloroform

Concen: 19.633 ug/l

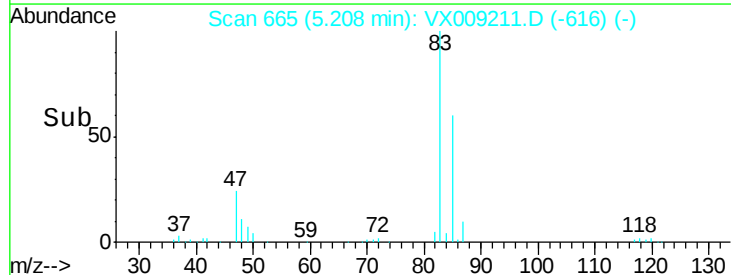
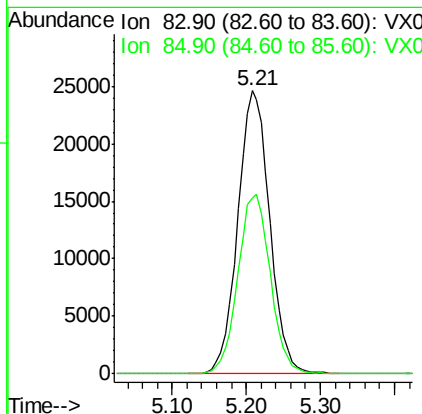
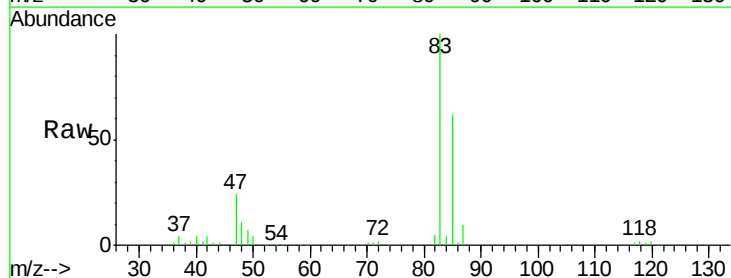
RT: 5.21 min Scan# 665

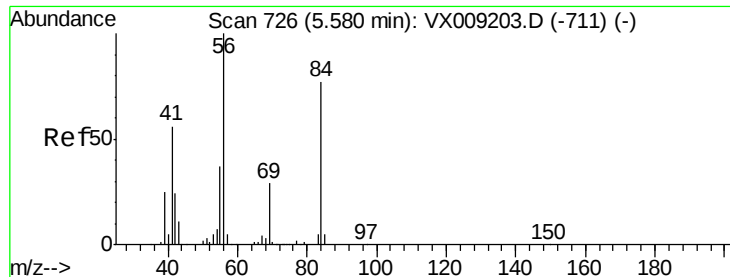
Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Tgt Ion:	83	Resp:	74001
Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.5	77.3





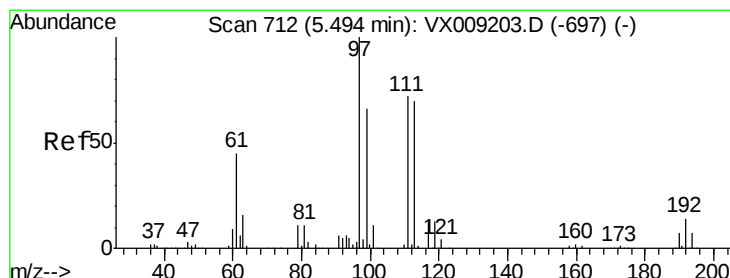
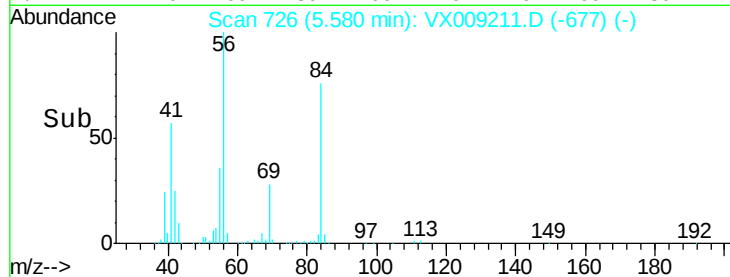
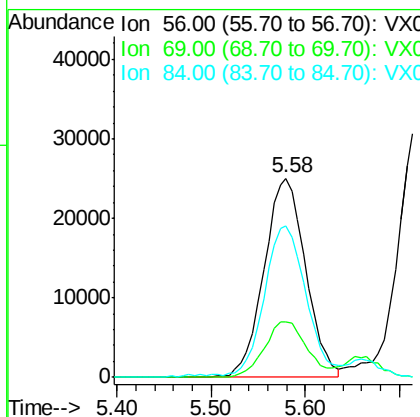
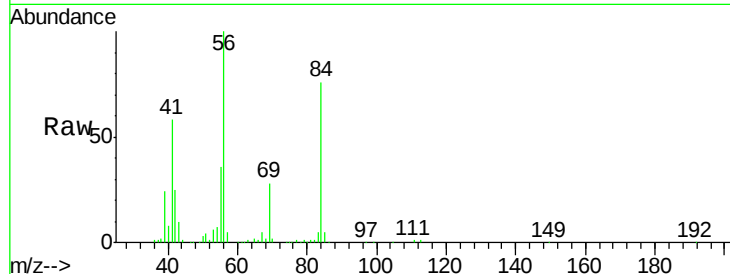
#31
Cyclohexane
Concen: 19.872 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX009211.D
Acq: 29 Apr 2019 16:46

Instrument :
MSVOA_X
ClientSampleId :
VX0429WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.8	23.4	35.0
84	74.5	61.9	92.9

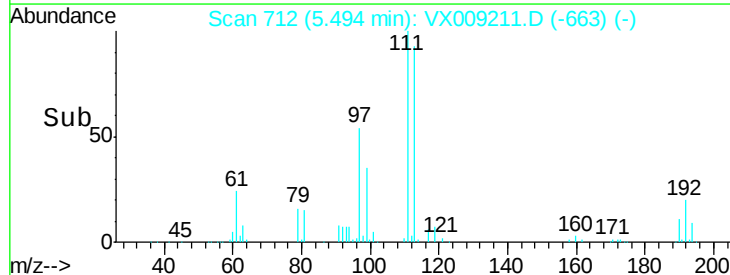
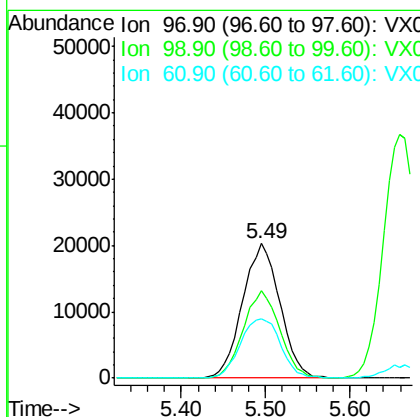
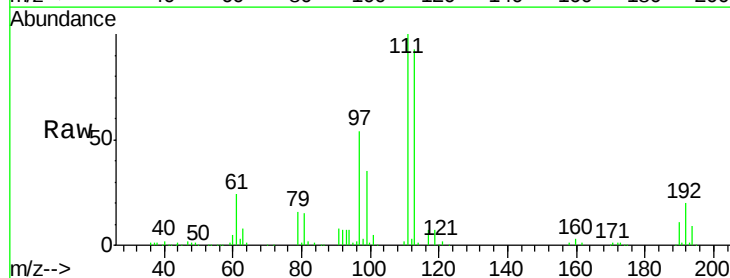
Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:03:51 AM



#32
1,1,1-Trichloroethane
Concen: 19.482 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX009211.D
Acq: 29 Apr 2019 16:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.8	77.8
61	47.8	37.8	56.8





#33

1,2-Dichloroethane-d4

Concen: 54.742 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

VX0429WBS01

Tot Ion: 65 Resp: 143561

Ion Ratio Lower Upper

65 100

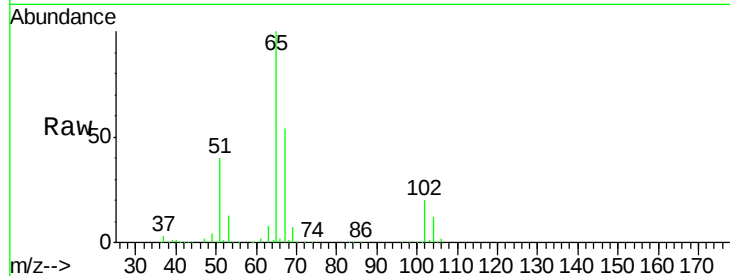
67 53.3 0.0 106.6

Manual Integrations

APPROVED

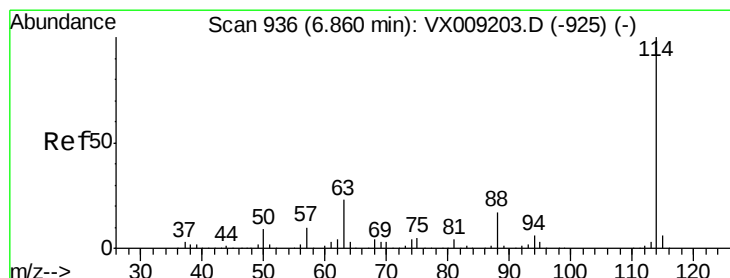
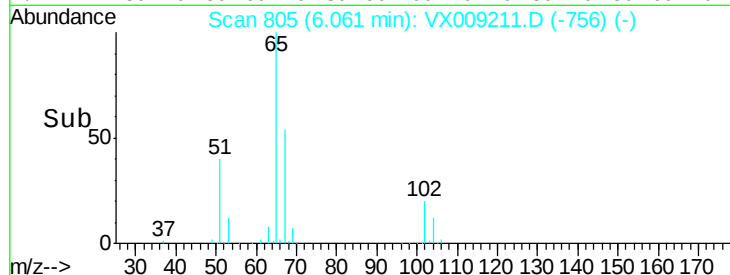
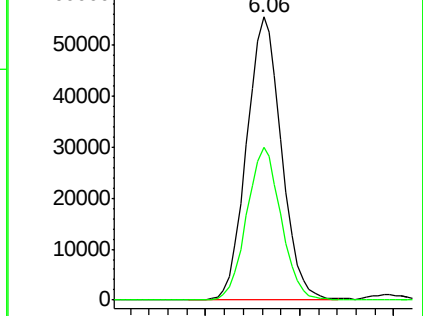
MMDadoda

4/30/2019 11:03:51 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

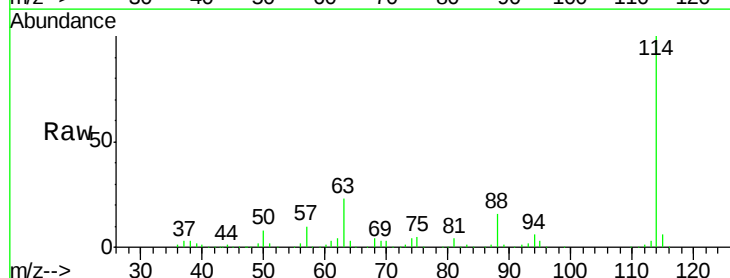
Tgt Ion: 114 Resp: 310961

Ion Ratio Lower Upper

114 100

63 22.5 0.0 45.6

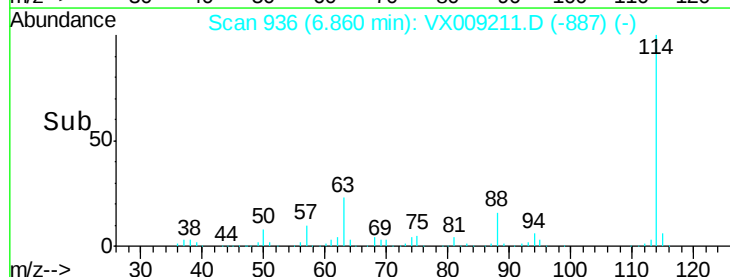
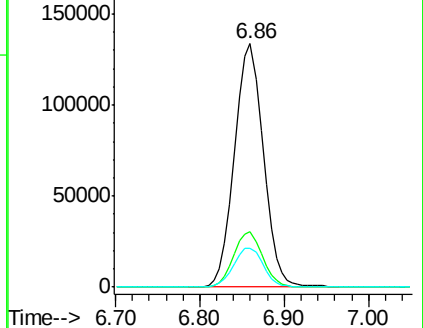
88 16.0 0.0 33.2

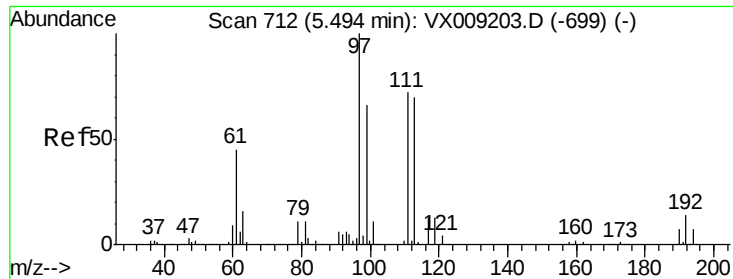


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





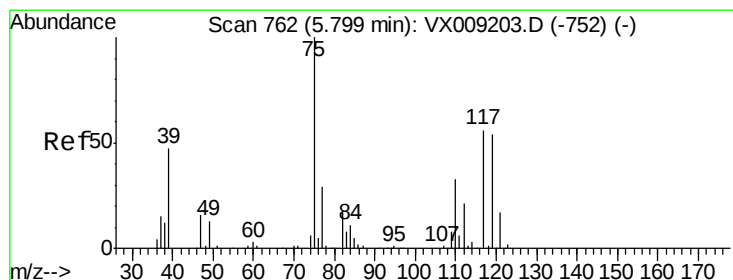
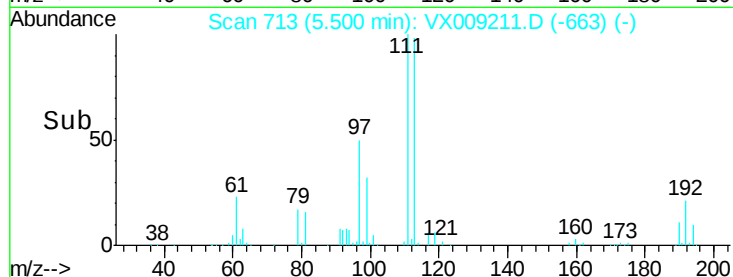
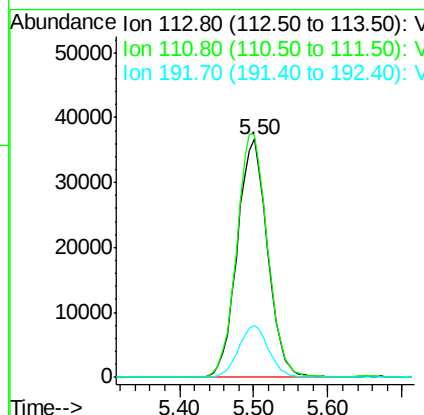
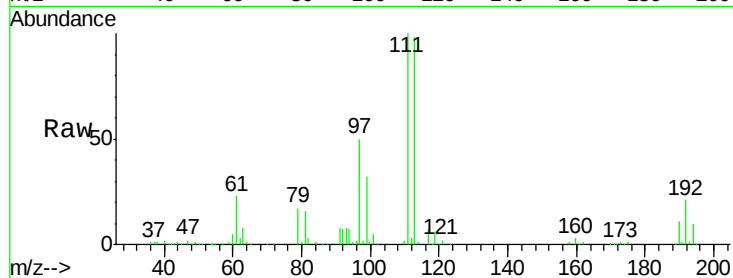
#35
 Dibromofluoromethane
 Concen: 53.577 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009211.D
 Acq: 29 Apr 2019 16:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0429WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.8	124.2
192	21.6	17.0	25.6

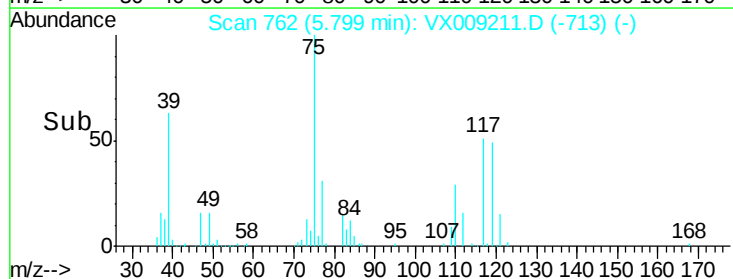
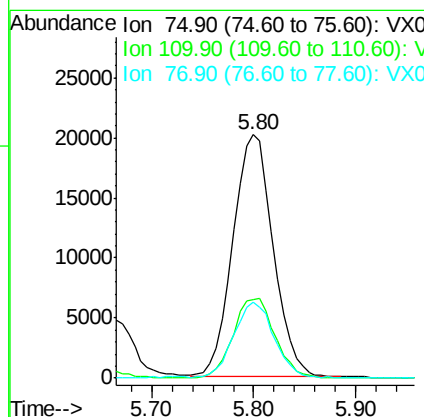
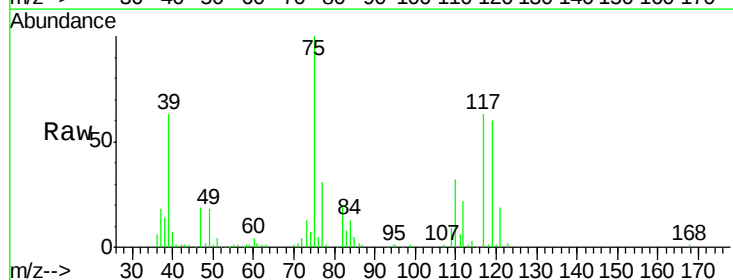
Manual Integrations
 APPROVED

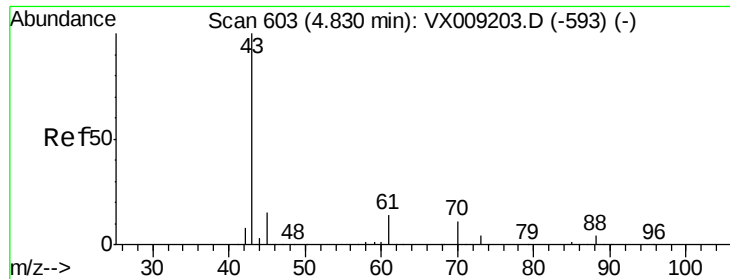
MMDadoda
 4/30/2019 11:03:51 AM



#36
 1,1-Dichloropropene
 Concen: 19.111 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX009211.D
 Acq: 29 Apr 2019 16:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.9	50.6
77	31.9	24.8	37.2





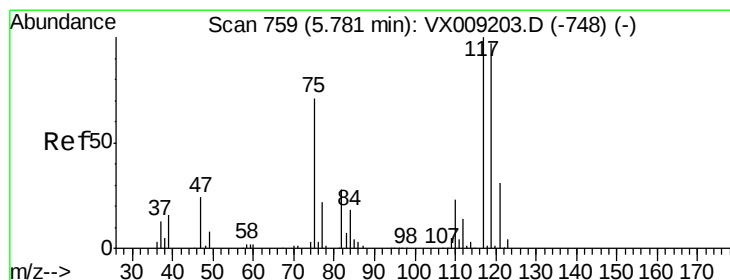
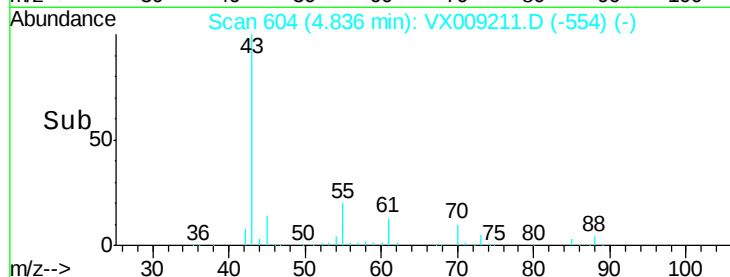
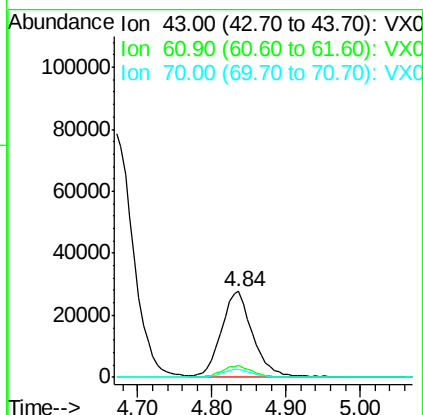
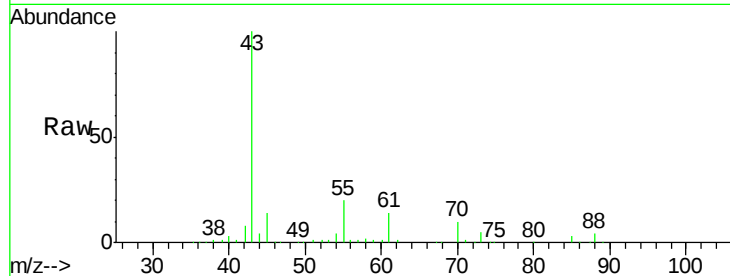
#37
Ethyl Acetate
Concen: 19.941 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009211.D
Acq: 29 Apr 2019 16:46

Instrument :
MSVOA_X
ClientSampleID :
VX0429WBS01

Tot Ion	43	Resp	80289
Ion Ratio	100	Lower	Upper
43	100		
61	13.9	10.5	15.7
70	9.6	7.9	11.9

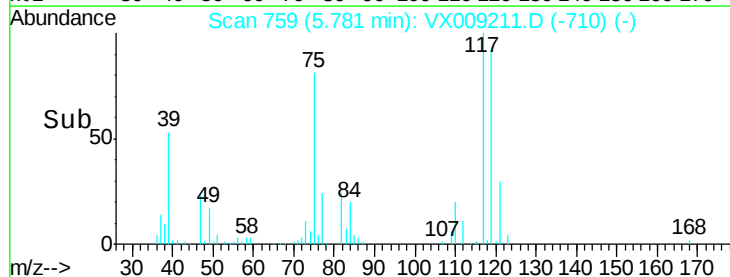
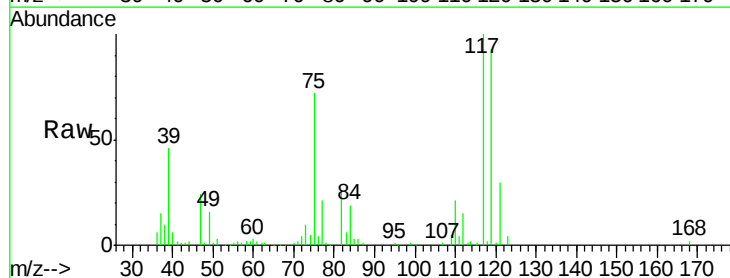
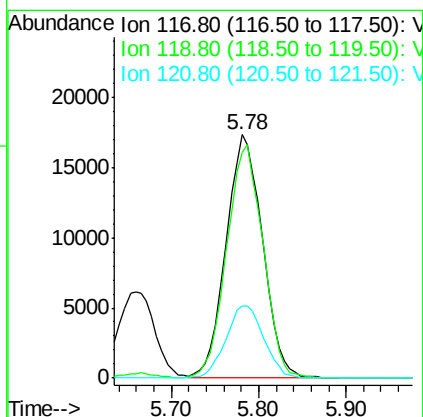
Manual Integrations
APPROVED

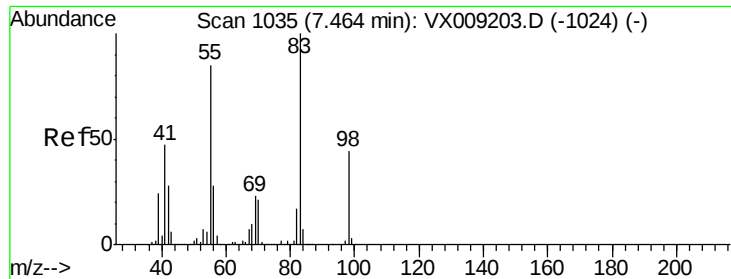
MMDadoda
4/30/2019 11:03:51 AM



#38
Carbon Tetrachloride
Concen: 19.181 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX009211.D
Acq: 29 Apr 2019 16:46

Tgt Ion	117	Resp	50362
Ion Ratio	100	Lower	Upper
117	100		
119	92.9	77.5	116.3
121	29.8	24.7	37.1





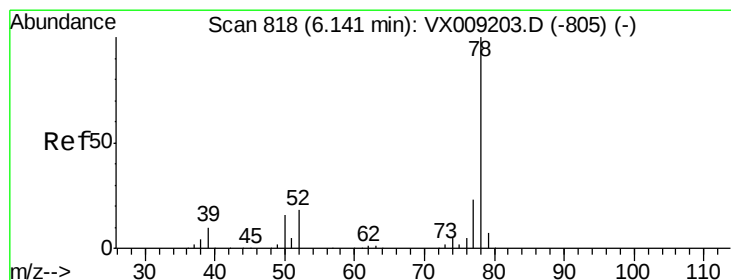
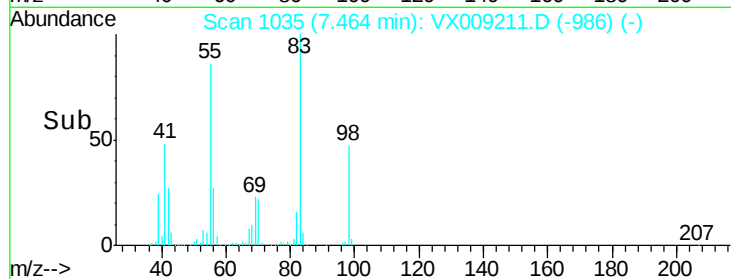
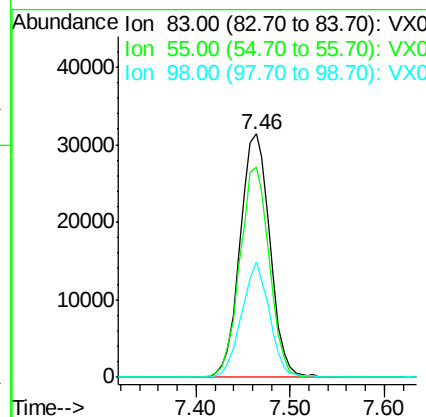
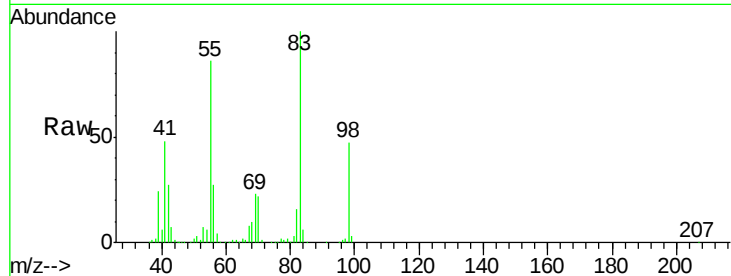
#39
Methvlcvclohexane
Concen: 19.620 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009211.D
Acq: 29 Apr 2019 16:46

Instrument :
MSVOA_X
ClientSampleId :
VX0429WBS01

Tot Ion	83	Resp	69632
Ion Ratio	Lower	Upper	
83	100		
55	86.1	67.7	101.5
98	47.4	35.5	53.3

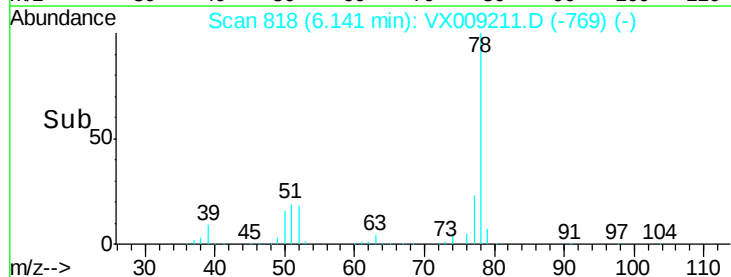
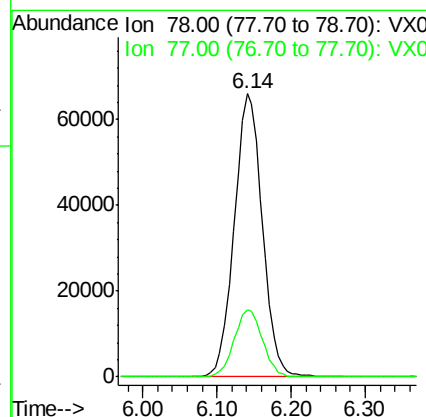
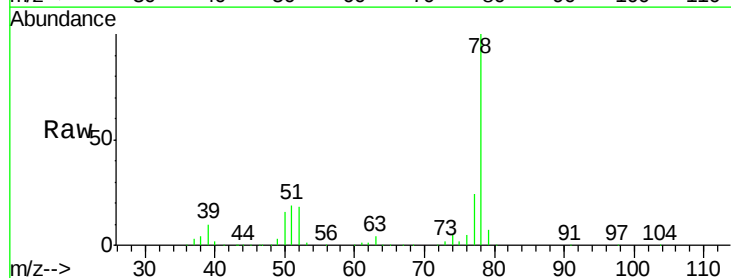
Manual Integrations
APPROVED

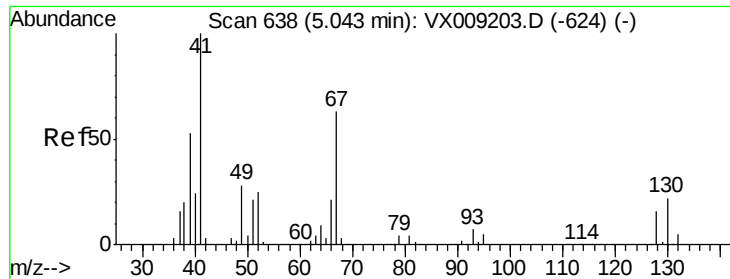
MMDadoda
4/30/2019 11:03:51 AM



#40
Benzene
Concen: 19.484 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009211.D
Acq: 29 Apr 2019 16:46

Tgt Ion	78	Resp	174253
Ion Ratio	Lower	Upper	
78	100		
77	23.8	18.8	28.2





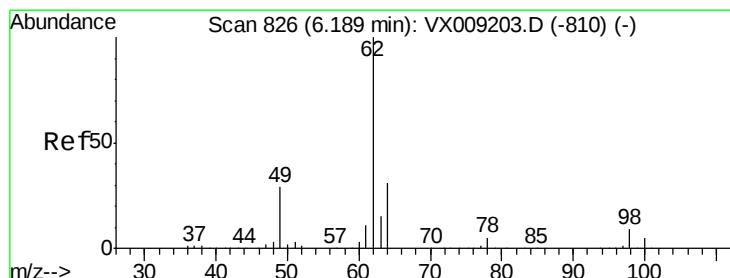
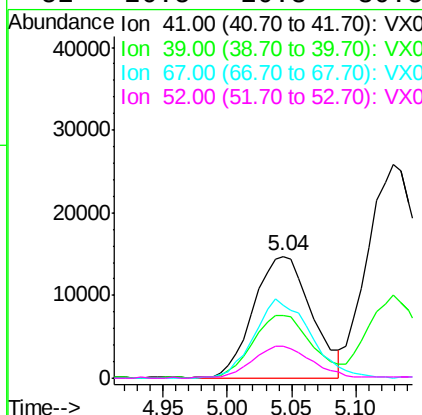
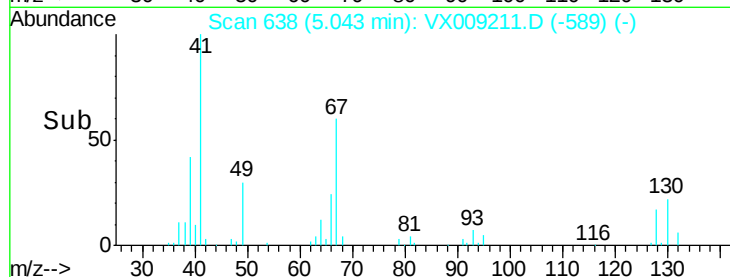
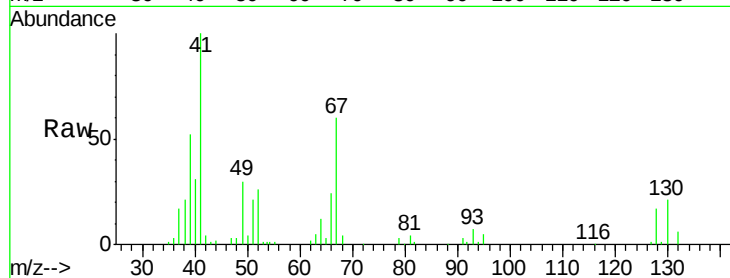
#41
Methacrylonitrile
Concen: 18.963 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009211.D
Acq: 29 Apr 2019 16:46

Instrument :
MSVOA_X
ClientSampleId :
VX0429WBS01

Tot Ion:	41	Resp:	45450
Ion	Ratio	Lower	Upper
41	100		
39	52.4	42.0	63.0
67	64.3	49.8	74.8
52	26.5	20.3	30.5

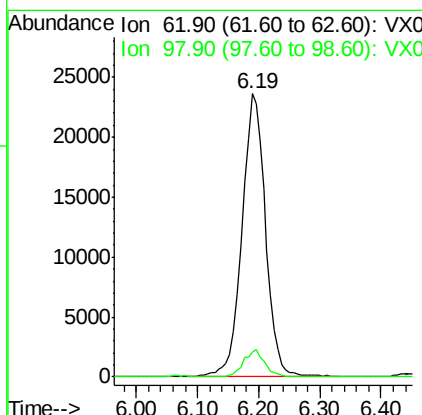
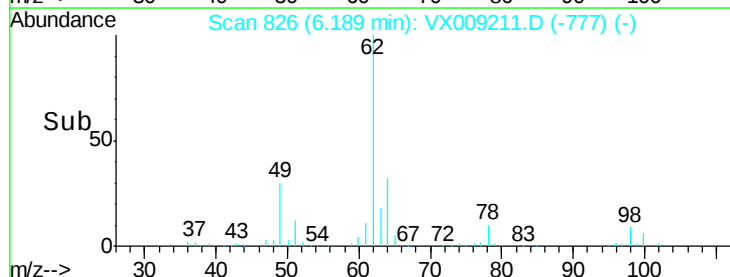
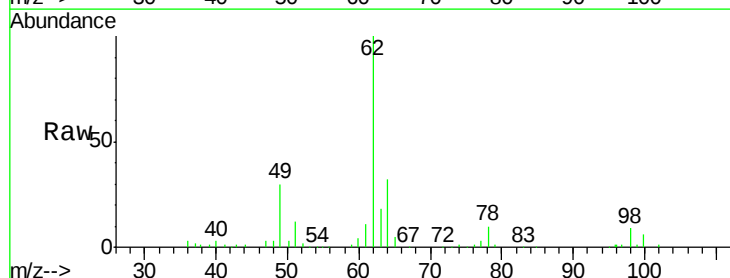
Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:03:51 AM



#42
1,2-Dichloroethane
Concen: 19.691 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX009211.D
Acq: 29 Apr 2019 16:46

Tgt Ion:	62	Resp:	63173
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.2





#43

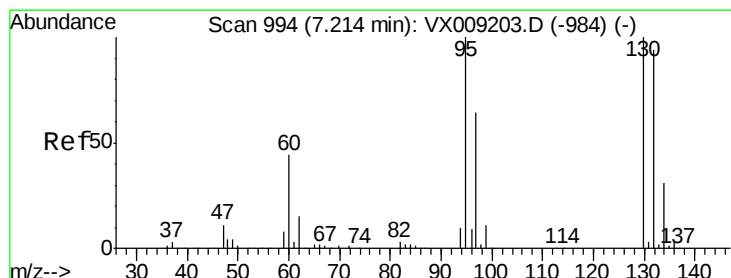
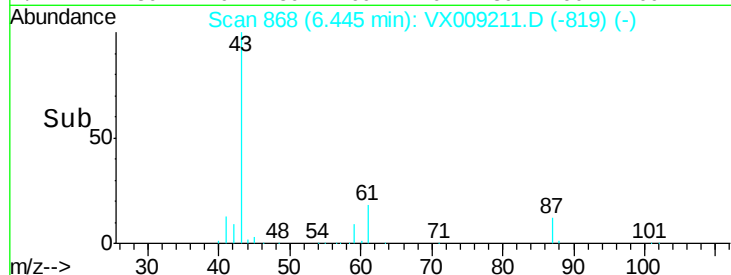
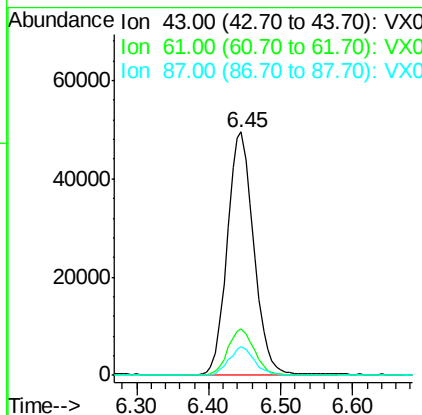
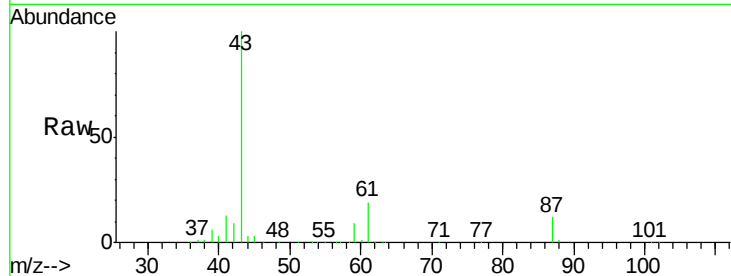
Isopropyl Acetate
 Concen: 19.673 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX009211.D
 Acq: 29 Apr 2019 16:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0429WBS01

Tot Ion	43	Resp	126704
Ion Ratio	Lower	Upper	
43	100		
61	19.2	15.1	22.7
87	11.3	9.0	13.6

Manual Integrations
 APPROVED

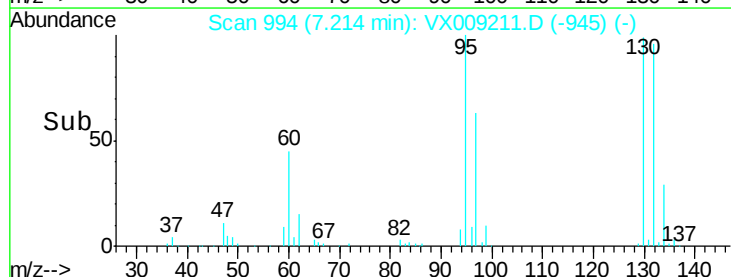
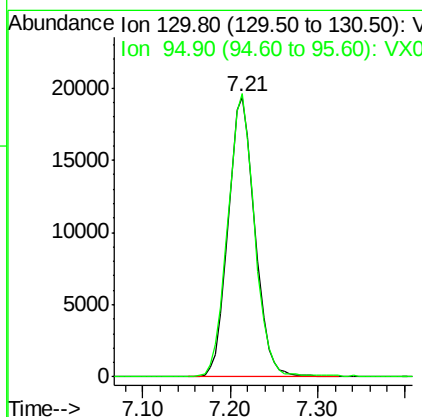
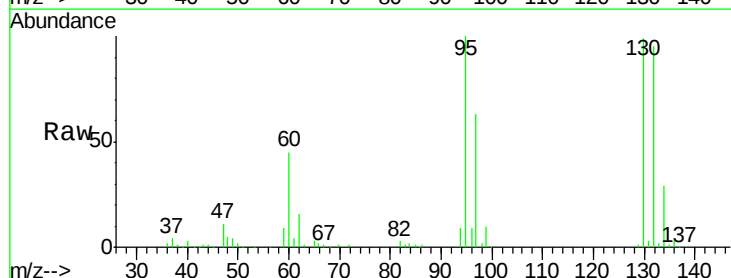
MMDadoda
 4/30/2019 11:03:51 AM

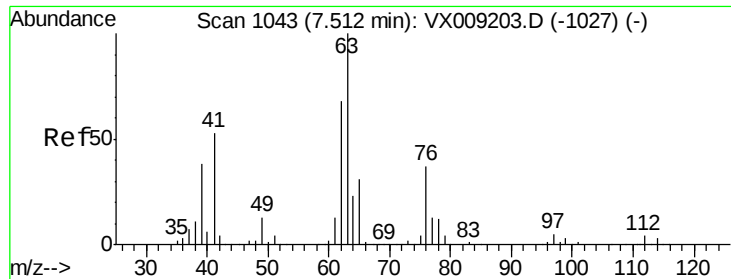


#44

Trichloroethene
 Concen: 19.124 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009211.D
 Acq: 29 Apr 2019 16:46

Tgt Ion	130	Resp	41348
Ion Ratio	Lower	Upper	
130	100		
95	101.0	0.0	199.2





#45

1,2-Dichloropropane

Concen: 19.584 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

VX0429WBS01

Tot Ion: 63 Resp: 49595

Ion Ratio Lower Upper

63 100

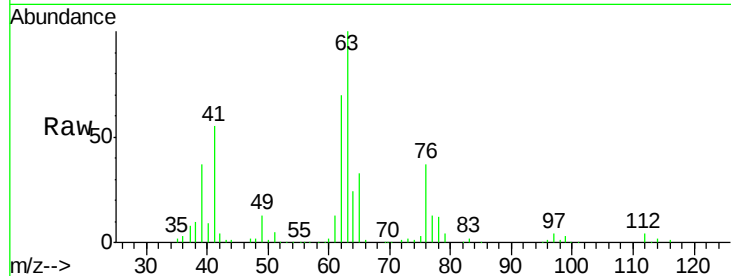
65 32.3 25.0 37.6

Manual Integrations

APPROVED

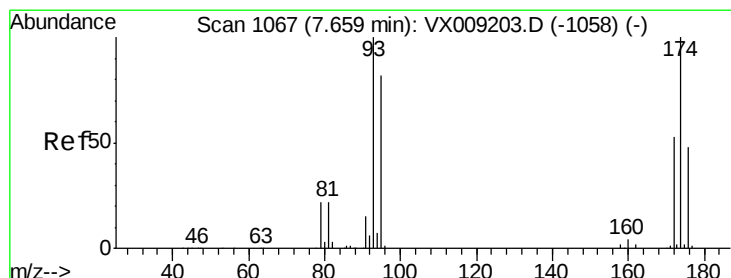
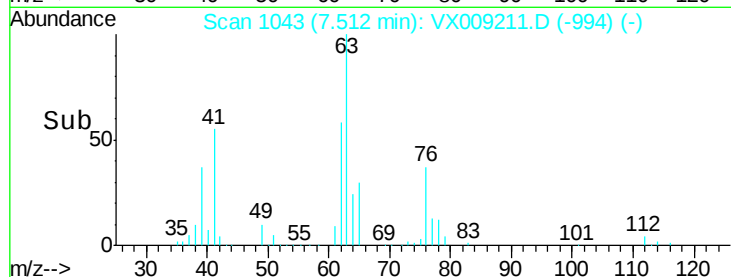
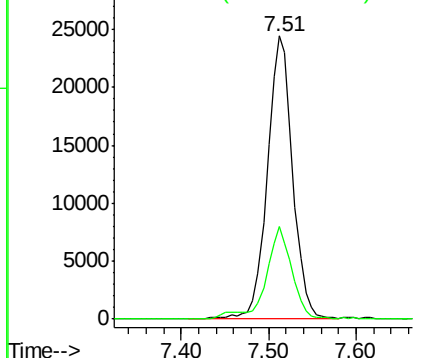
MMDadoda

4/30/2019 11:03:51 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.106 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

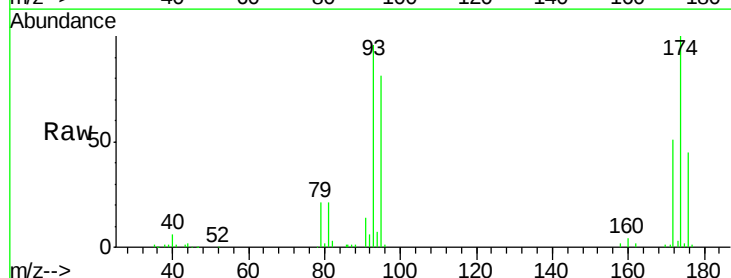
Tgt Ion: 93 Resp: 28097

Ion Ratio Lower Upper

93 100

95 83.3 66.5 99.7

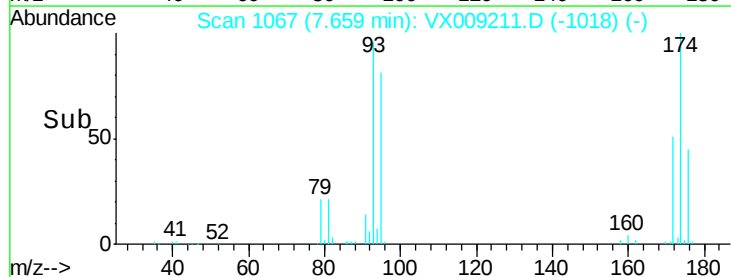
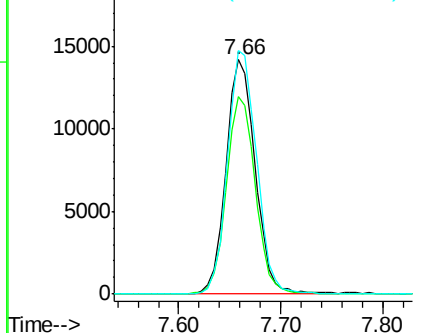
174 102.8 82.1 123.1

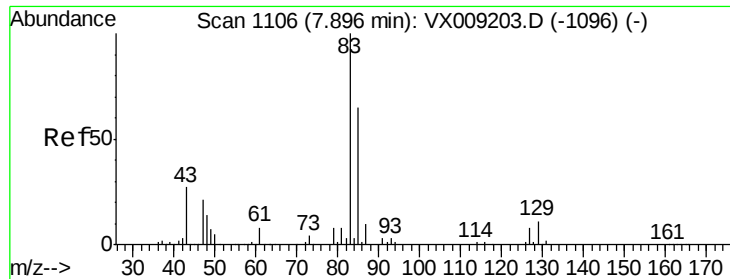


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.804 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Instrument :

MSVOA_X

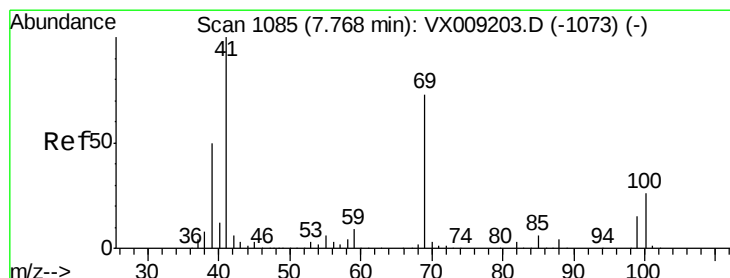
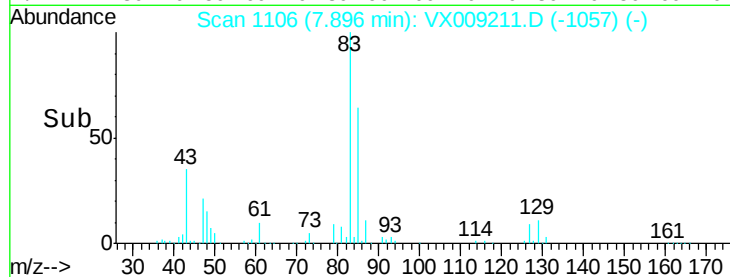
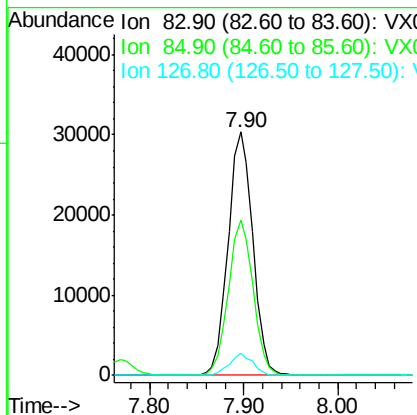
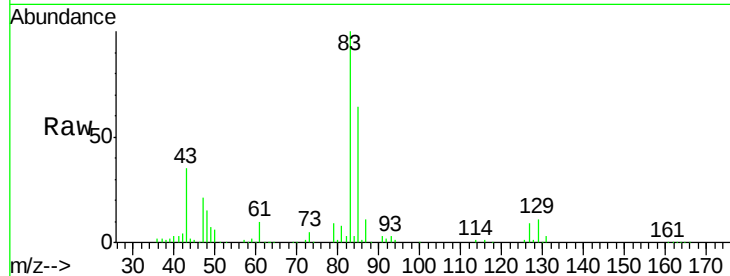
ClientSampleId :

VX0429WBS01

Tot Ion:	83	Resp:	55162
Ion Ratio	Lower	Upper	
83	100		
85	64.0	52.4	78.6
127	9.0	6.6	10.0

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:03:51 AM



#48

Methyl methacrylate

Concen: 19.437 ug/l

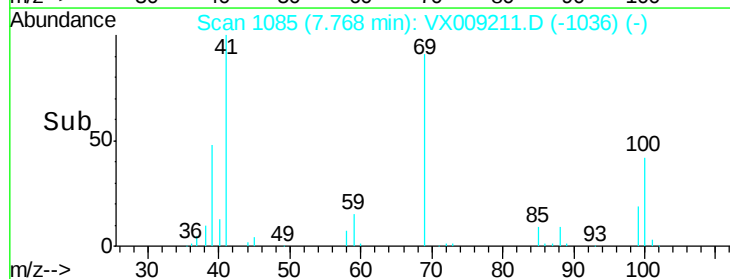
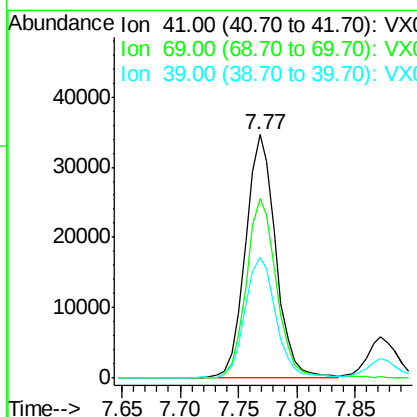
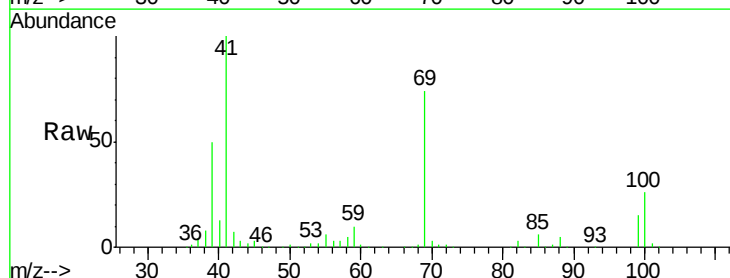
RT: 7.77 min Scan# 1085

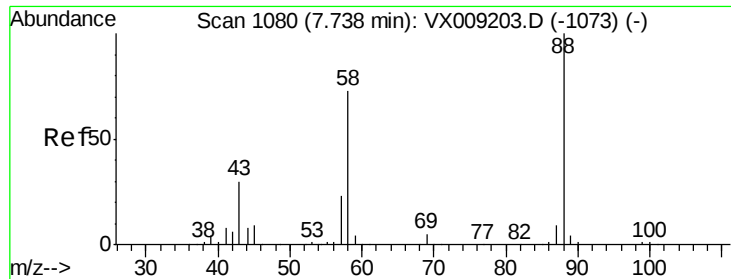
Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Tgt Ion:	41	Resp:	62105
Ion Ratio	Lower	Upper	
41	100		
69	75.3	59.1	88.7
39	51.8	40.4	60.6





#49

1,4-Dioxane

Concen: 388.542 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Instrument :

MSVOA_X

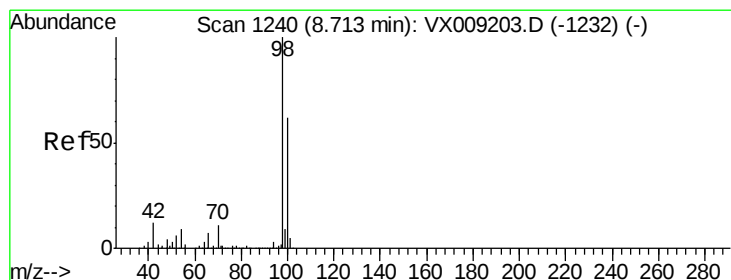
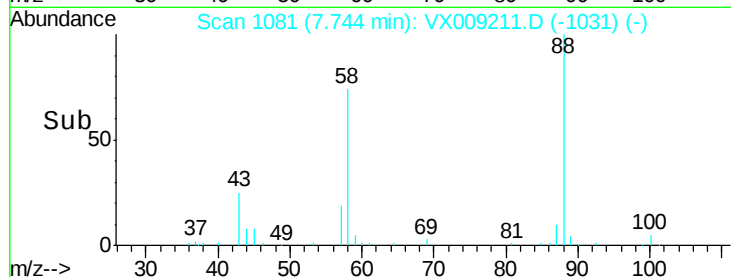
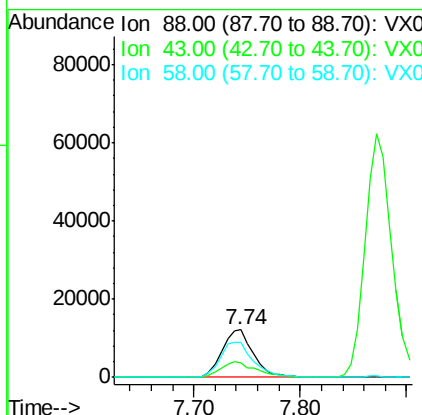
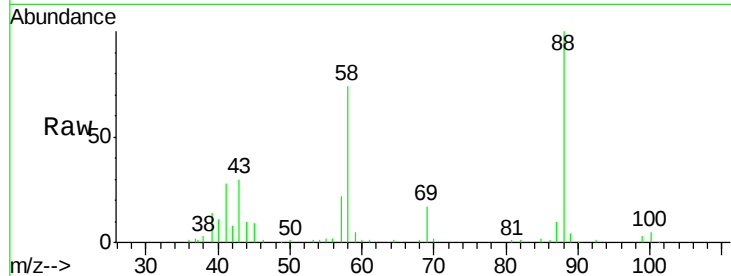
ClientSampleId :

VX0429WBS01

Tot Ion:	88	Resp:	25177
Ion	Ratio	Lower	Upper
88	100		
43	35.3	28.6	42.8
58	77.5	61.7	92.5

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:03:51 AM



#50

Toluene-d8

Concen: 54.671 ug/l

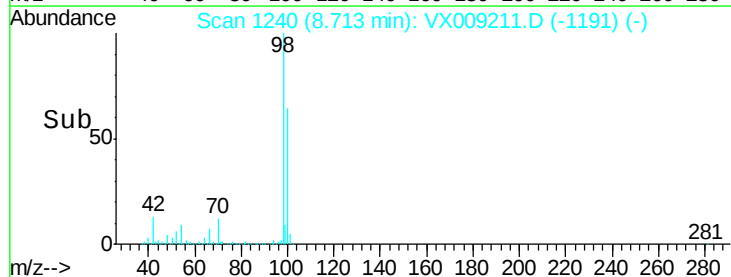
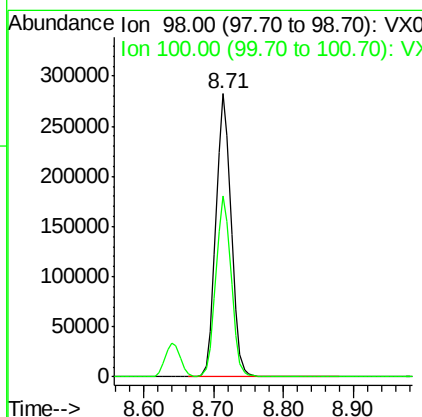
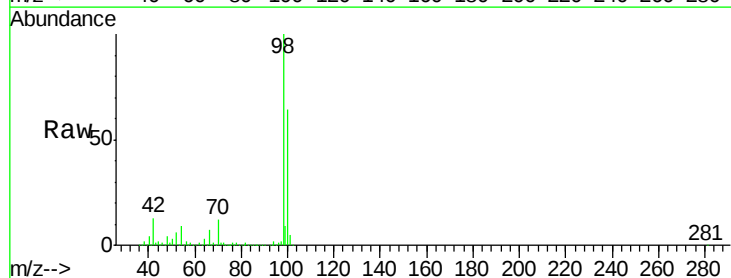
RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Tgt Ion:	98	Resp:	431466
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 98.718 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

VX0429WBS01

Tot Ion: 43 Resp: 41557

Ion Ratio Lower Upper

43 100

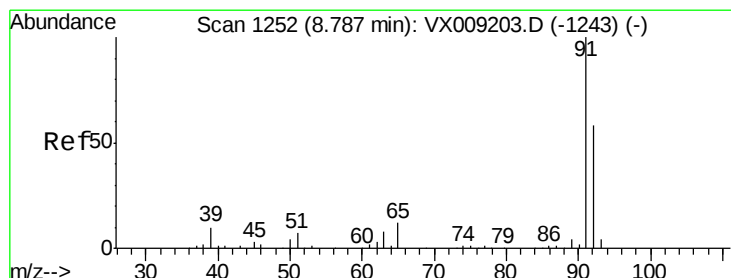
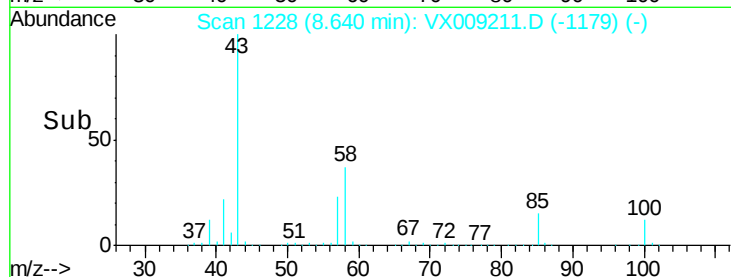
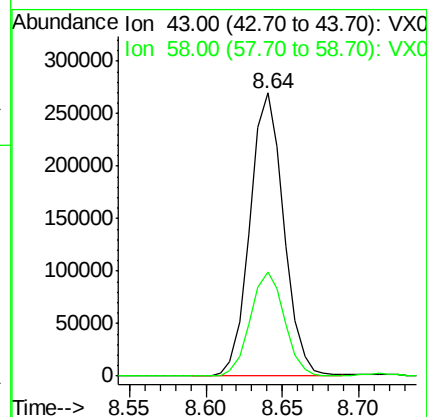
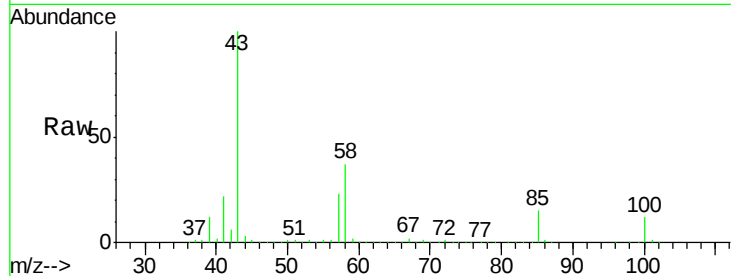
58 37.1 29.5 44.3

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:03:51 AM



#52

Toluene

Concen: 19.526 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009211.D

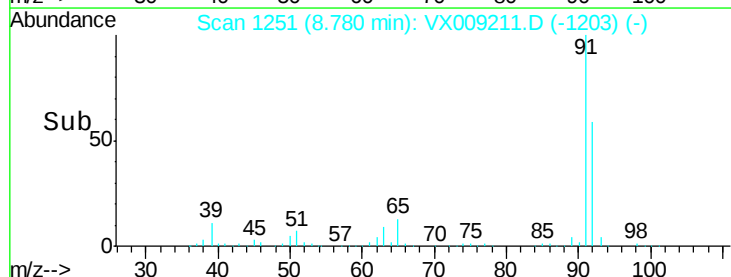
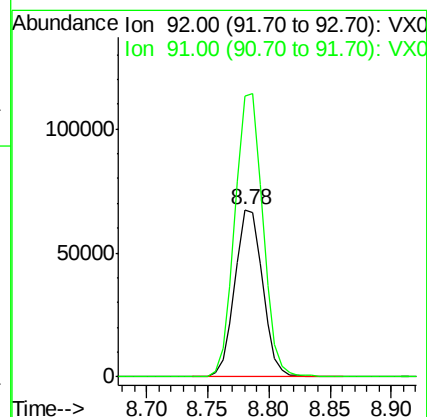
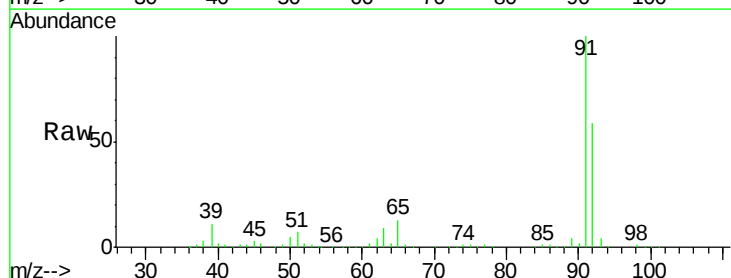
Acq: 29 Apr 2019 16:46

Tgt Ion: 92 Resp: 106150

Ion Ratio Lower Upper

92 100

91 170.8 138.8 208.2





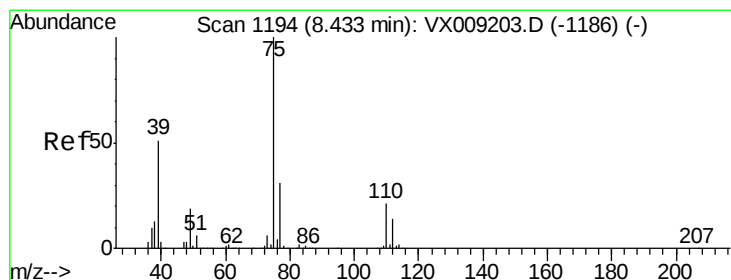
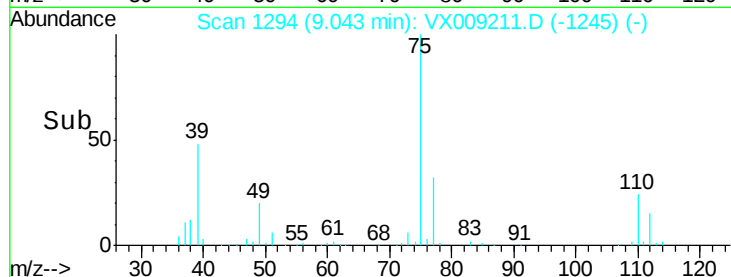
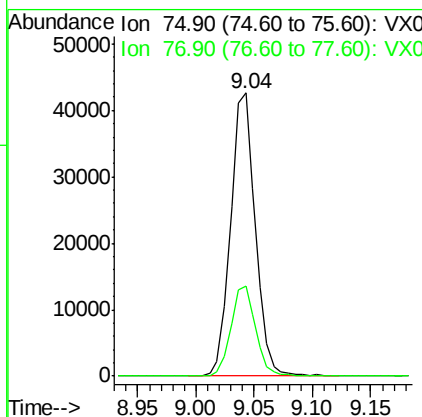
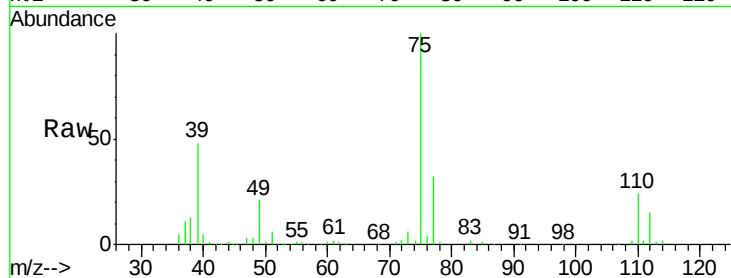
#53
t-1,3-Dichloropropene
Concen: 19.061 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX009211.D
Acq: 29 Apr 2019 16:46

Instrument :
MSVOA_X
ClientSampleId :
VX0429WBS01

Tot Ion: 75 Resp: 63129
Ion Ratio Lower Upper
75 100
77 31.7 25.0 37.6

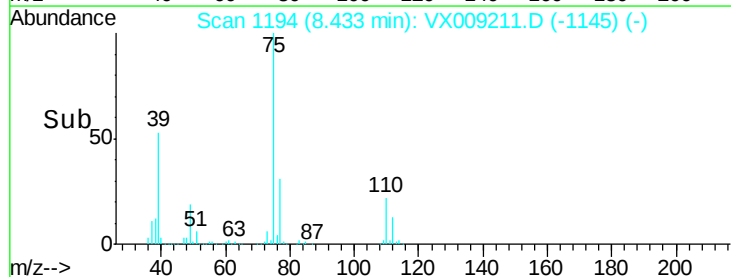
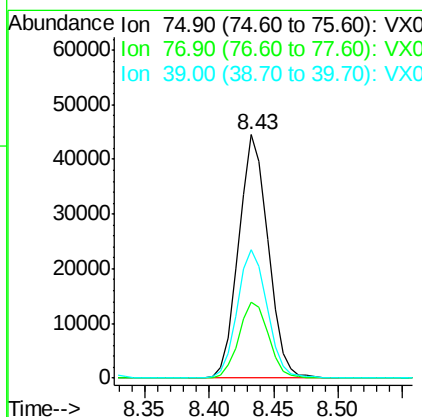
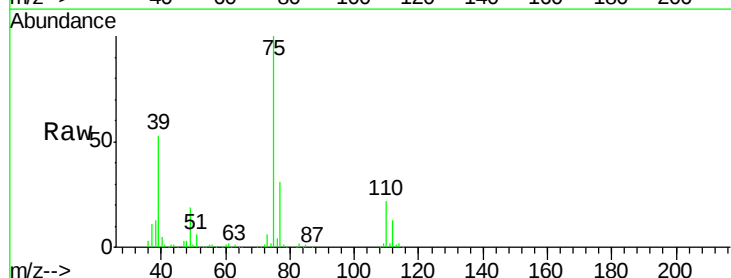
Manual Integrations
APPROVED

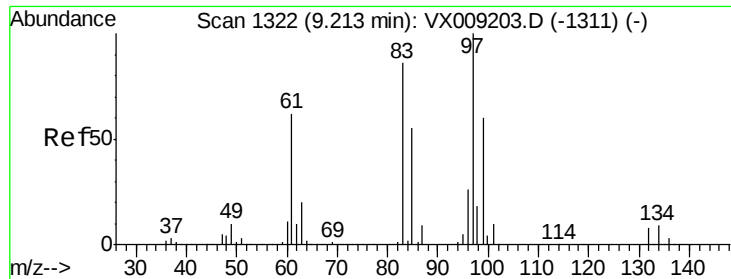
MMDadoda
4/30/2019 11:03:51 AM



#54
cis-1,3-Dichloropropene
Concen: 19.266 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009211.D
Acq: 29 Apr 2019 16:46

Tgt Ion: 75 Resp: 70624
Ion Ratio Lower Upper
75 100
77 31.2 24.6 36.8
39 52.4 40.6 60.8





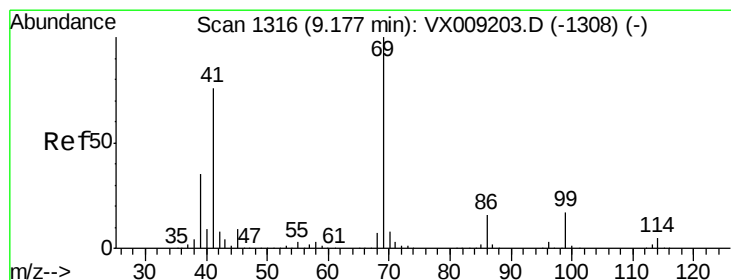
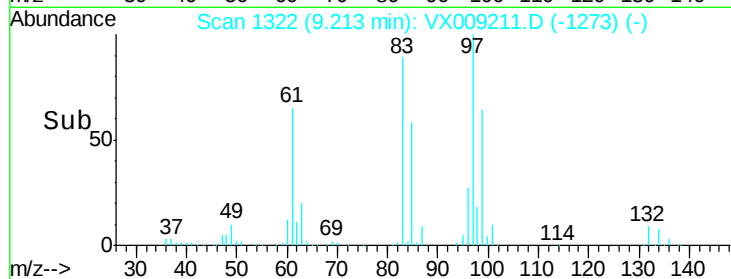
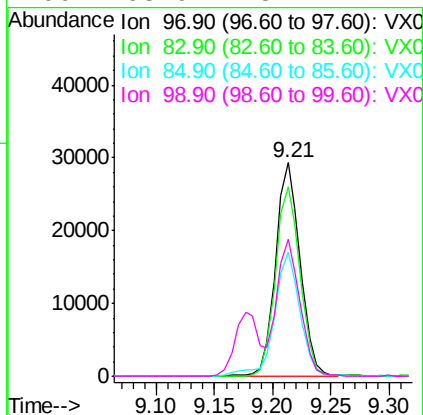
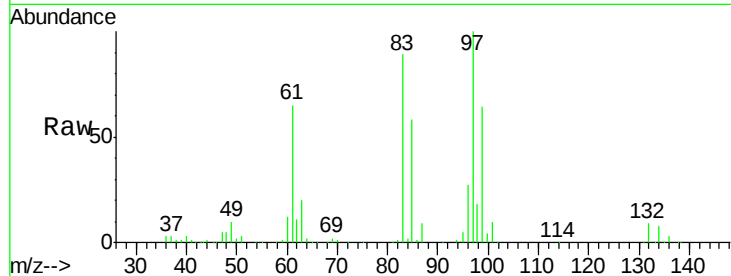
#55
 1,1,2-Trichloroethane
 Concen: 19.350 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009211.D
 Acq: 29 Apr 2019 16:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0429WBS01

Tot Ion:	97	Resp:	42917
Ion	Ratio	Lower	Upper
97	100		
83	88.7	68.9	103.3
85	57.9	43.8	65.6
99	63.9	48.2	72.2

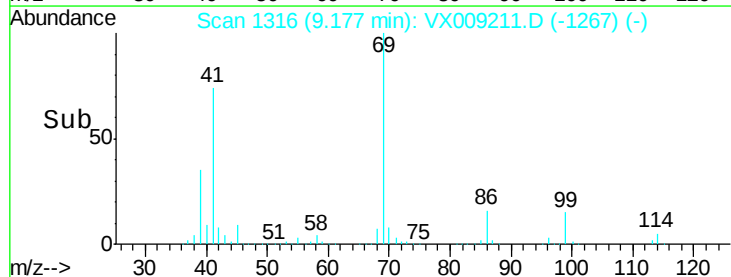
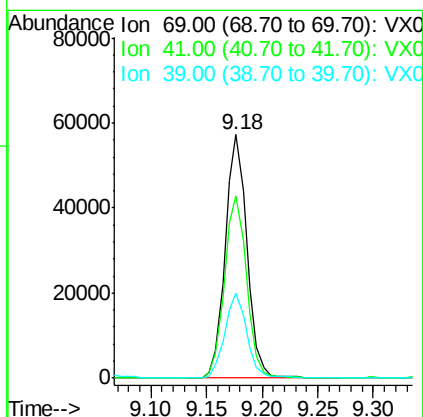
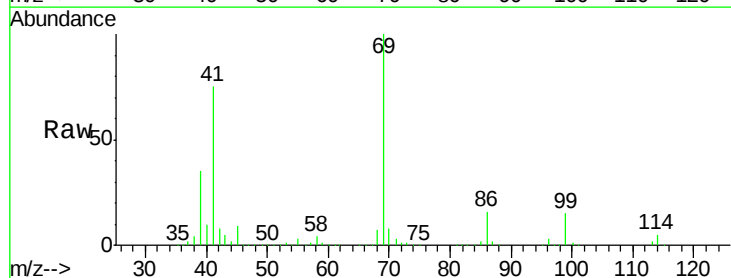
Manual Integrations
 APPROVED

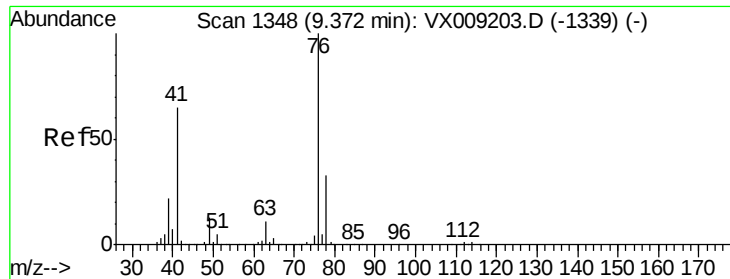
MMDadoda
 4/30/2019 11:03:51 AM



#56
 Ethyl methacrylate
 Concen: 19.591 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009211.D
 Acq: 29 Apr 2019 16:46

Tgt Ion:	69	Resp:	77562
Ion	Ratio	Lower	Upper
69	100		
41	76.0	60.6	90.8
39	35.4	28.2	42.4





#57

1,3-Dichloropropane

Concen: 19.413 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

VX0429WBS01

Tot Ion: 76 Resp: 75770

Ion Ratio Lower Upper

76 100

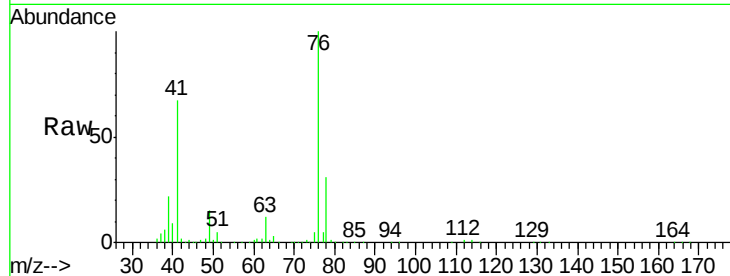
78 31.6 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:03:51 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

60000

50000

40000

30000

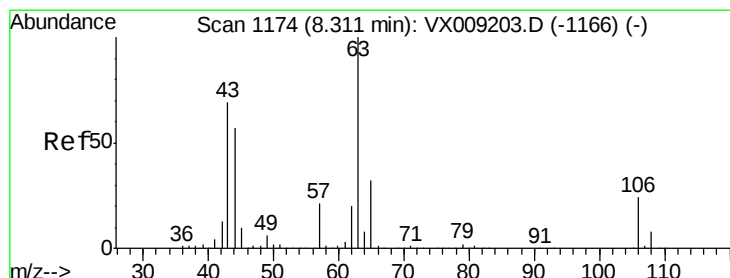
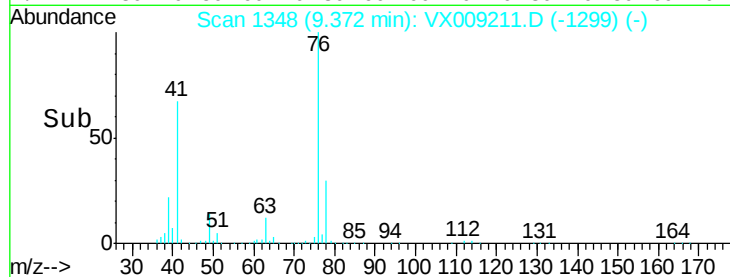
20000

10000

0

9.30 9.40 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 98.232 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009211.D

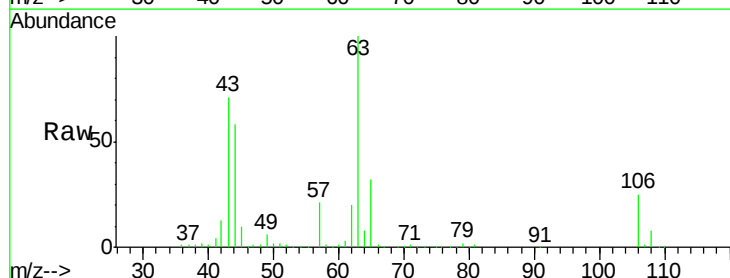
Acq: 29 Apr 2019 16:46

Tgt Ion: 63 Resp: 206317

Ion Ratio Lower Upper

63 100

106 24.5 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

150000

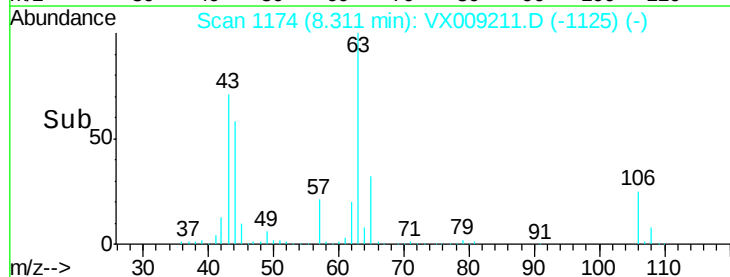
100000

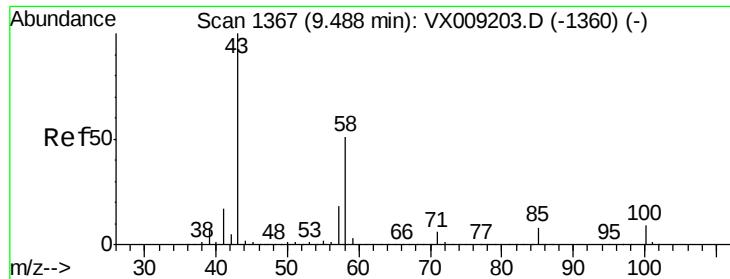
50000

0

8.25 8.30 8.35 8.40

Time-->





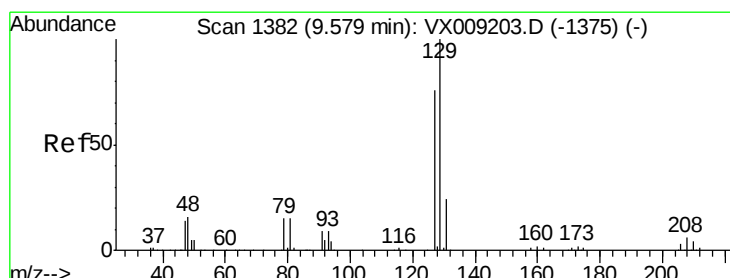
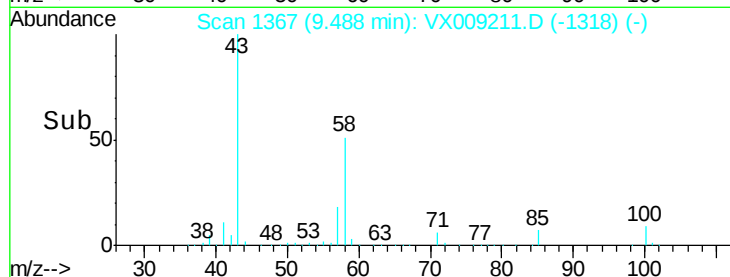
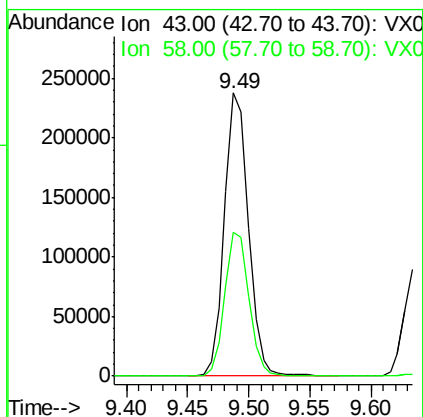
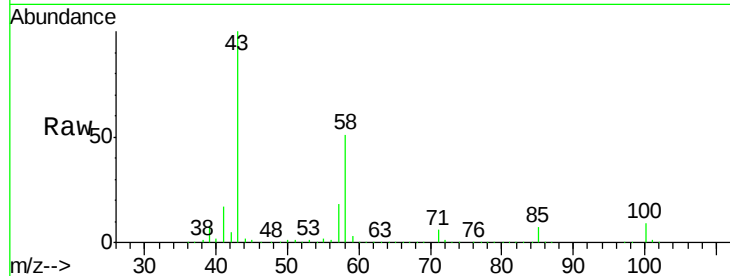
#59
2-Hexanone
Concen: 97.912 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009211.D
Acq: 29 Apr 2019 16:46

Instrument :
MSVOA_X
ClientSampleId :
VX0429WBS01

Tot Ion: 43 Resp: 323709
Ion Ratio Lower Upper
43 100
58 51.6 25.9 77.7

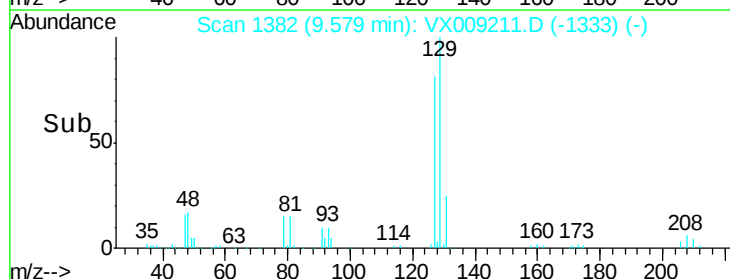
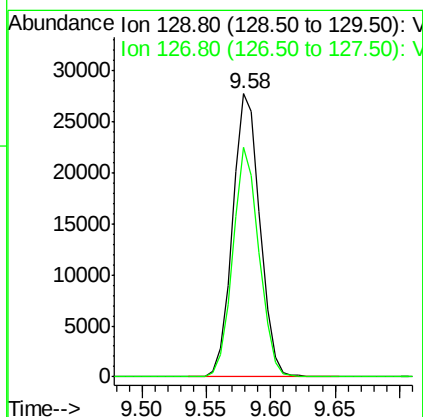
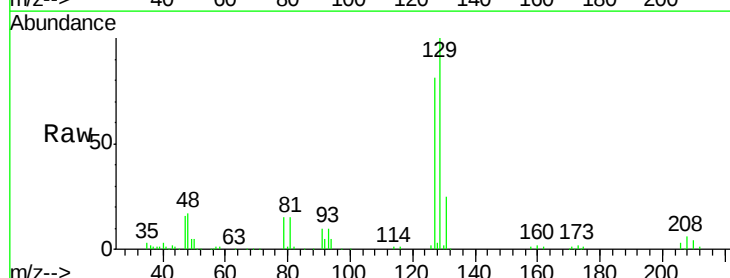
Manual Integrations
APPROVED

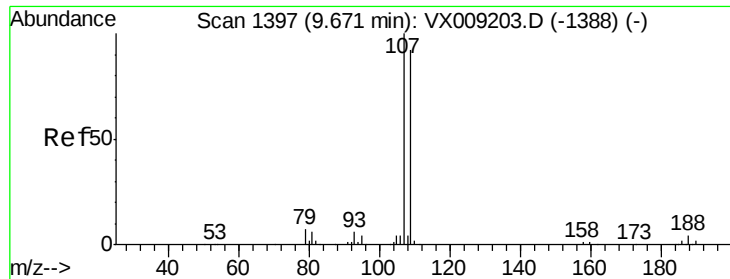
MMDadoda
4/30/2019 11:03:51 AM



#60
Dibromochloromethane
Concen: 18.939 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009211.D
Acq: 29 Apr 2019 16:46

Tgt Ion: 129 Resp: 41027
Ion Ratio Lower Upper
129 100
127 77.9 38.4 115.1





#61

1,2-Dibromoethane

Concen: 19.717 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

VX0429WBS01

Tot Ion:107 Resp: 44143

Ion Ratio Lower Upper

107 100

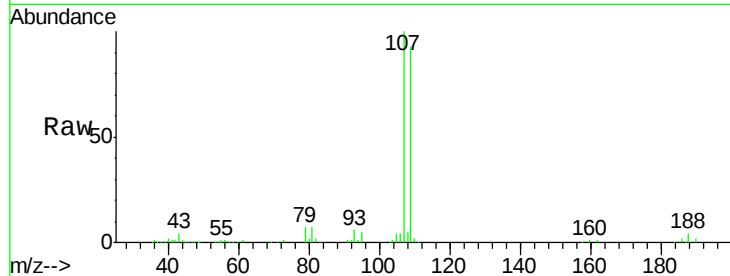
109 93.1 75.2 112.8

Manual Integrations

APPROVED

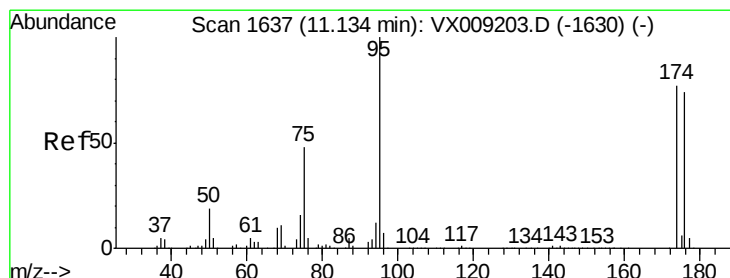
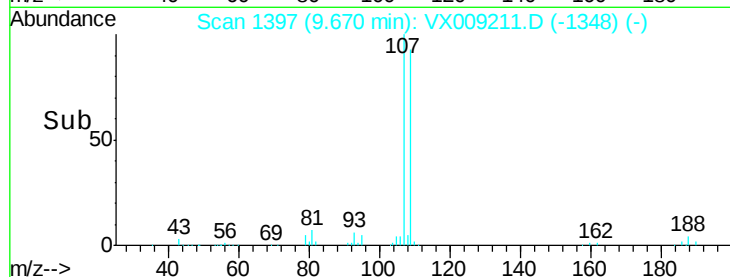
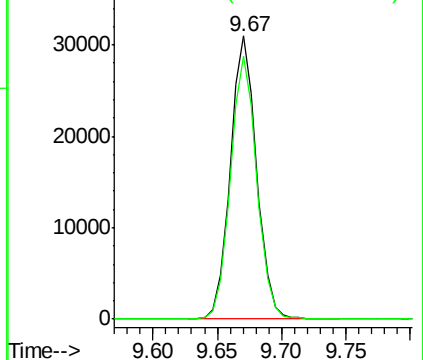
MMDadoda

4/30/2019 11:03:51 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.848 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

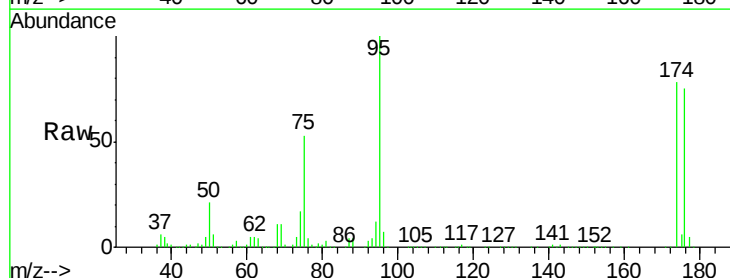
Tgt Ion: 95 Resp: 151552

Ion Ratio Lower Upper

95 100

174 82.2 0.0 161.6

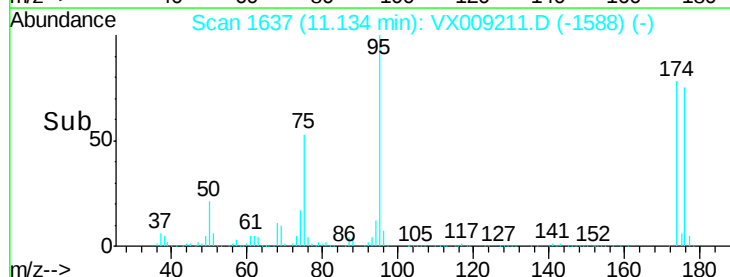
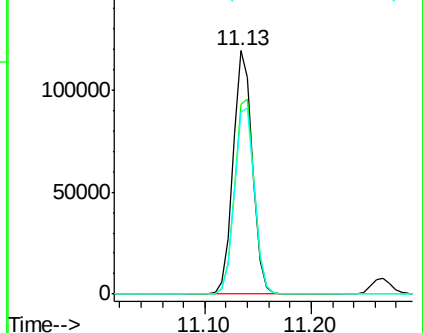
176 79.3 0.0 159.2

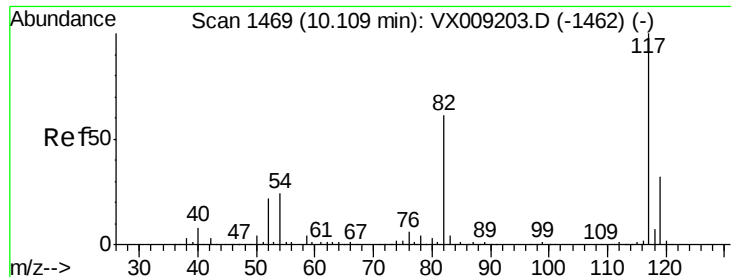


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





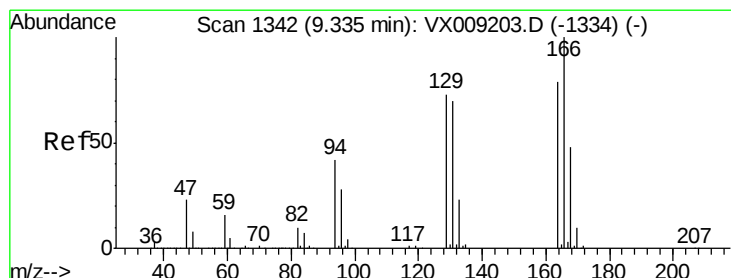
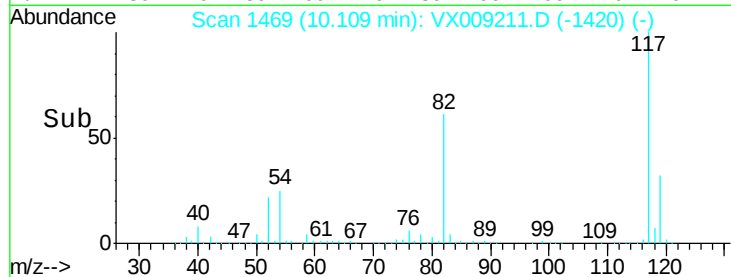
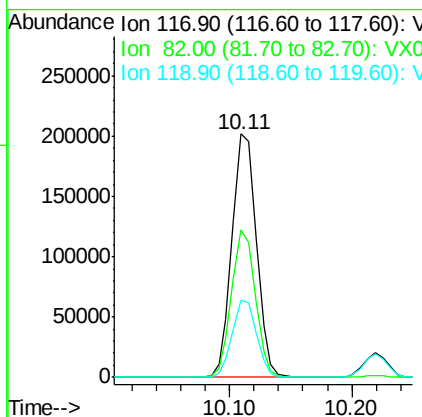
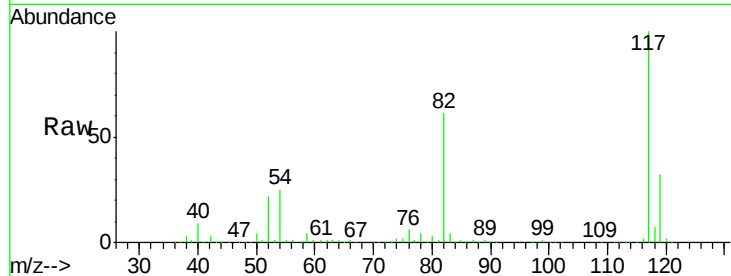
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009211.D
Acq: 29 Apr 2019 16:46

Instrument :
MSVOA_X
ClientSampleId :
VX0429WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.8	48.8	73.2
119	31.9	25.8	38.6

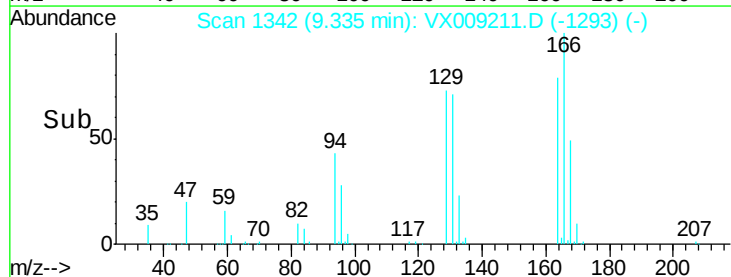
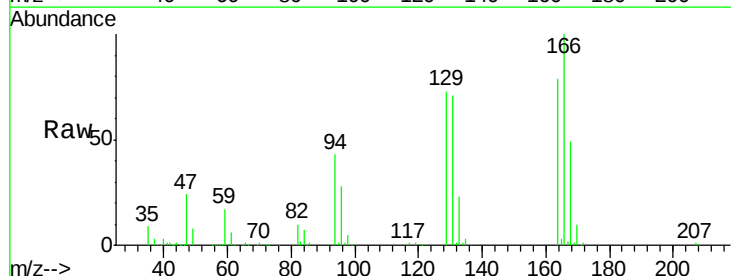
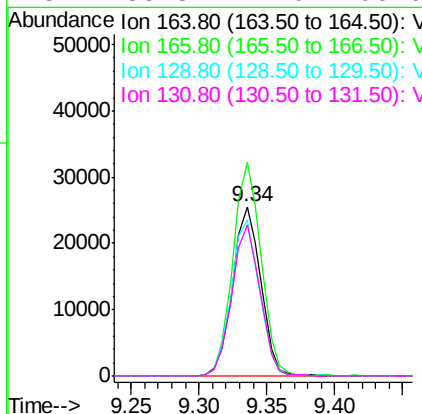
Manual Integrations
APPROVED

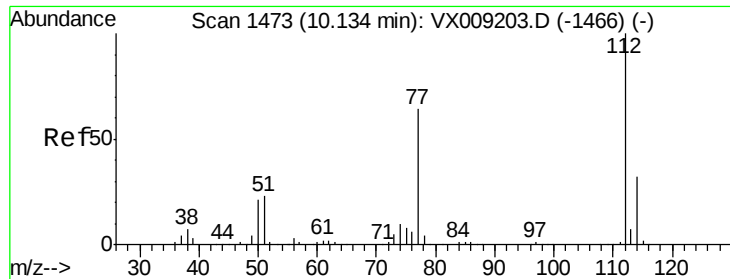
MMDadoda
4/30/2019 11:03:51 AM



#64
Tetrachloroethene
Concen: 19.268 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009211.D
Acq: 29 Apr 2019 16:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	101.2	151.8
129	91.9	74.3	111.5
131	88.8	71.0	106.6





#65

Chlorobenzene

Concen: 19.092 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

VX0429WBS01

Tot Ion:112 Resp: 106528

Ion Ratio Lower Upper

112 100

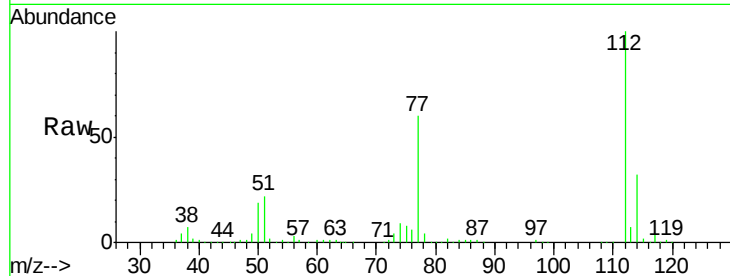
114 32.2 25.5 38.3

Manual Integrations

APPROVED

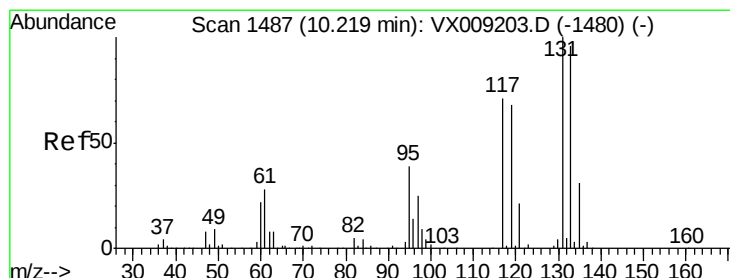
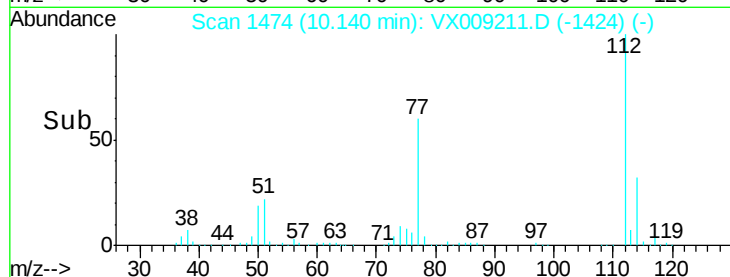
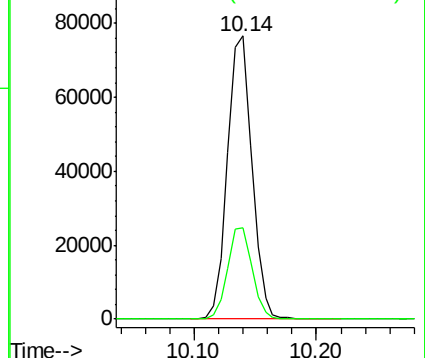
MMDadoda

4/30/2019 11:03:51 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.036 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

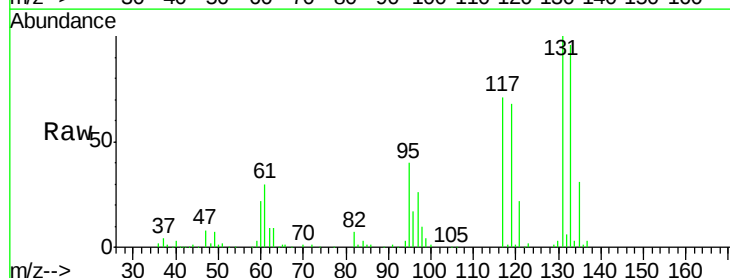
Tgt Ion:131 Resp: 38506

Ion Ratio Lower Upper

131 100

133 94.5 47.7 143.1

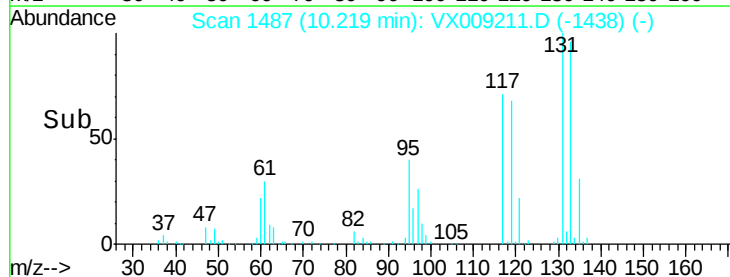
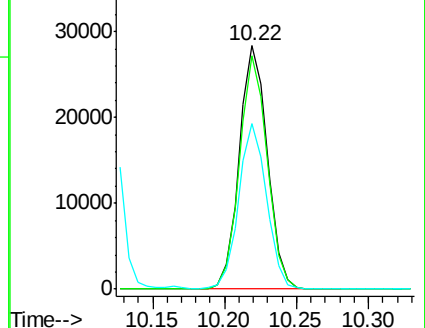
119 67.7 33.5 100.4

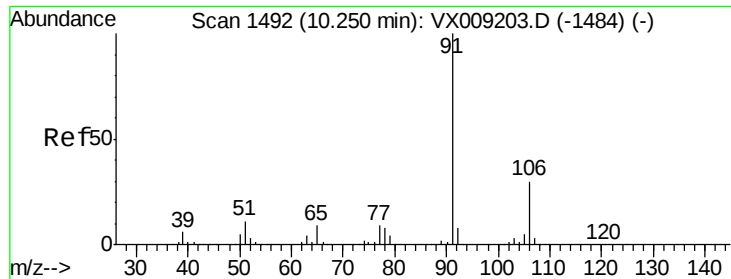


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





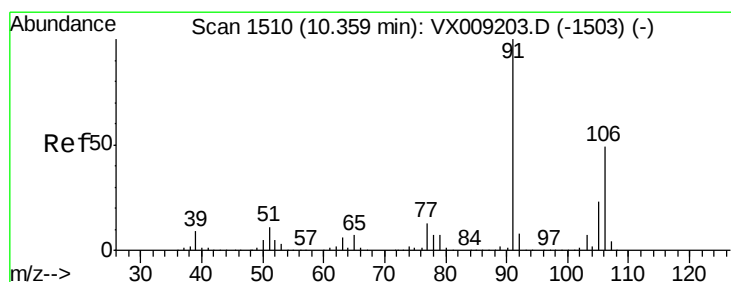
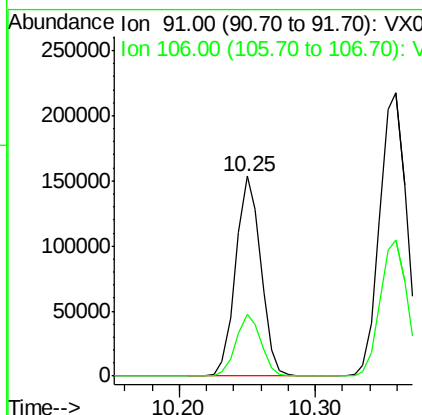
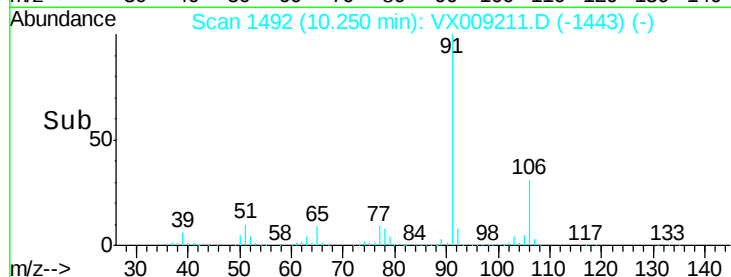
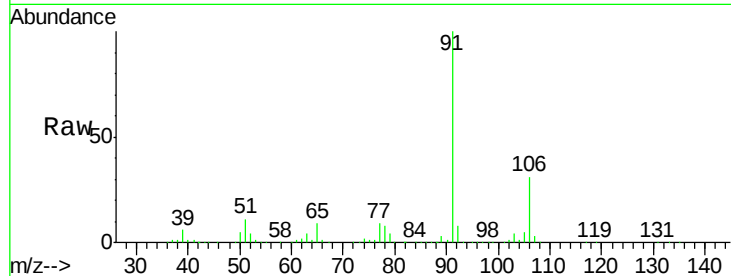
#67
Ethyl Benzene
Concen: 19.323 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX009211.D
Acq: 29 Apr 2019 16:46

Instrument :
MSVOA_X
ClientSampleId :
VX0429WBS01

Tot Ion: 91 Resp: 198416
Ion Ratio Lower Upper
91 100
106 30.9 24.0 36.0

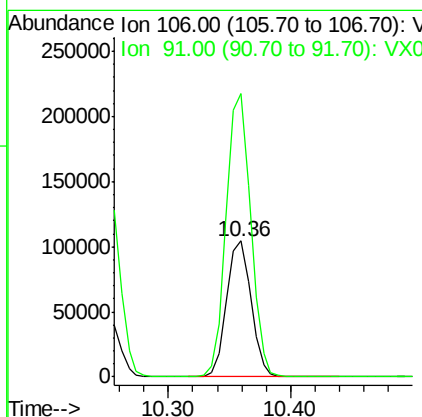
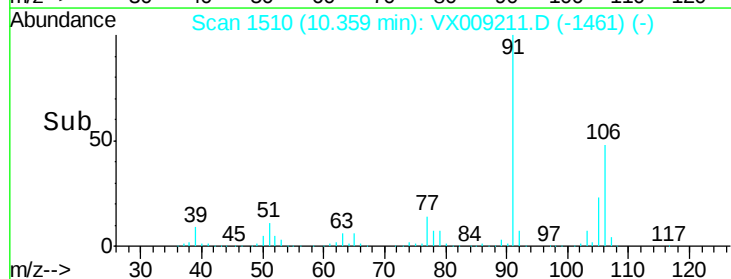
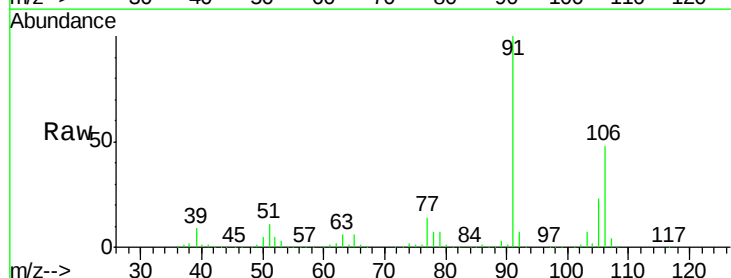
Manual Integrations
APPROVED

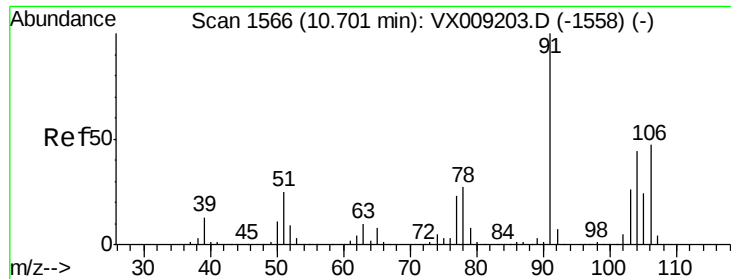
MMDadoda
4/30/2019 11:03:51 AM



#68
m/p-Xylenes
Concen: 38.454 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009211.D
Acq: 29 Apr 2019 16:46

Tgt Ion: 106 Resp: 144299
Ion Ratio Lower Upper
106 100
91 209.5 164.0 246.0





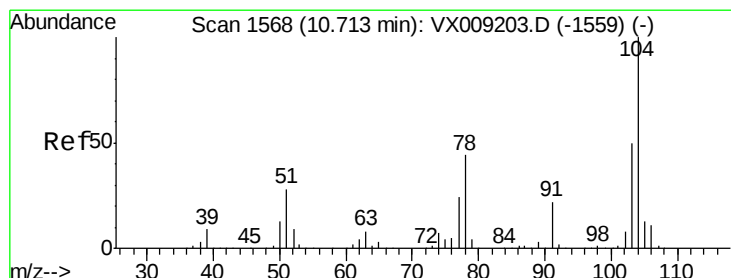
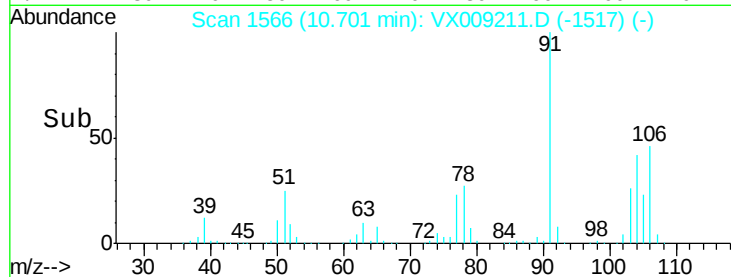
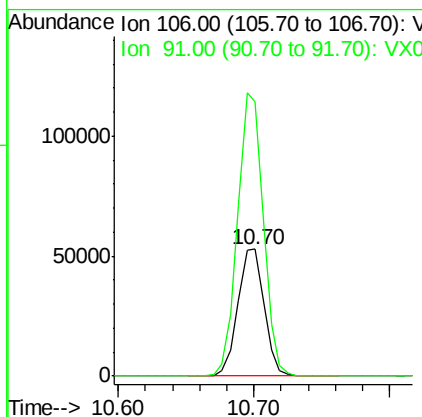
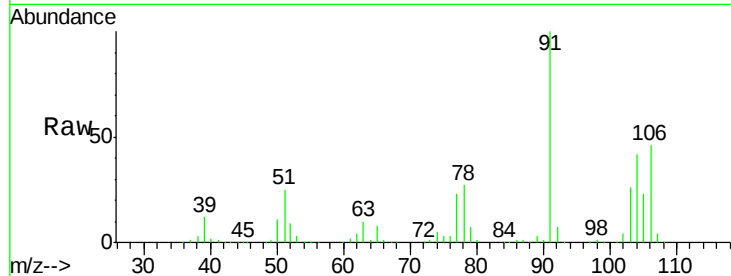
#69
o-Xylene
Concen: 19.268 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX009211.D
Acq: 29 Apr 2019 16:46

Instrument :
MSVOA_X
ClientSampled :
VX0429WBS01

Tot Ion:106 Resp: 71336
Ion Ratio Lower Upper
106 100
91 218.6 109.5 328.4

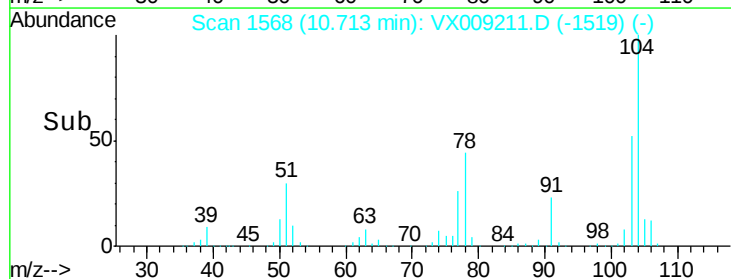
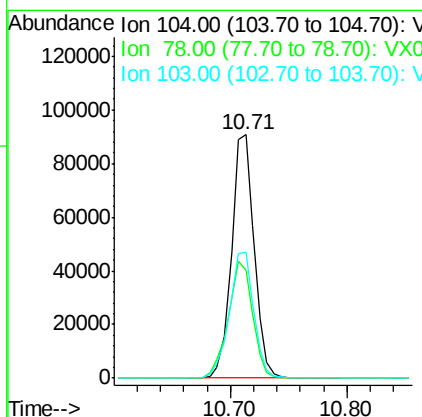
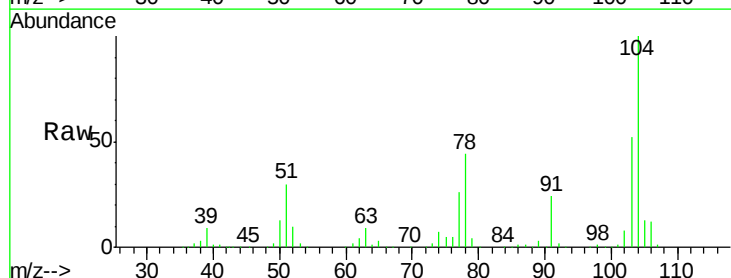
Manual Integrations
APPROVED

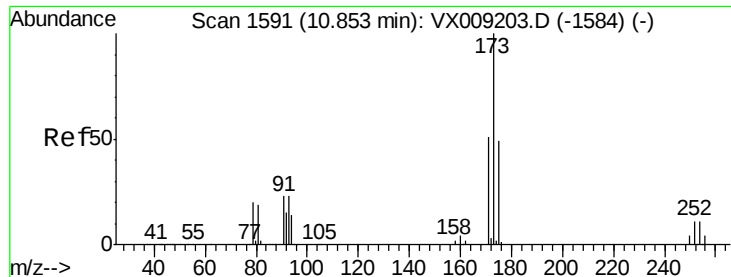
MMDadoda
4/30/2019 11:03:51 AM



#70
Styrene
Concen: 19.124 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009211.D
Acq: 29 Apr 2019 16:46

Tgt Ion:104 Resp: 123060
Ion Ratio Lower Upper
104 100
78 51.8 41.0 61.4
103 56.0 43.8 65.6





#71

Bromoform

Concen: 18.508 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

VX0429WBS01

Tot Ion:173 Resp: 30424

Ion Ratio Lower Upper

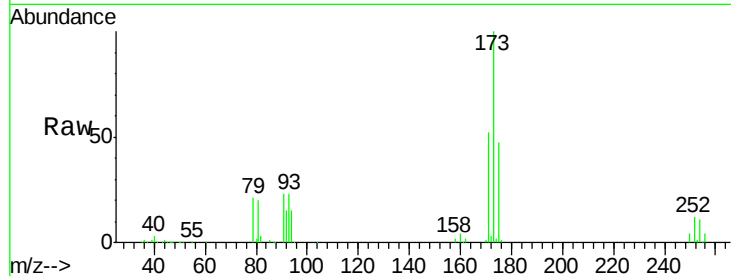
173 100

175 48.8 24.5 73.5

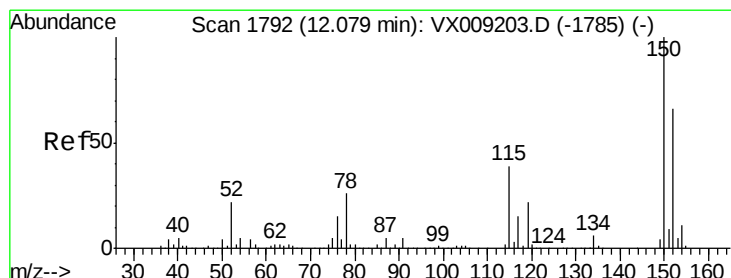
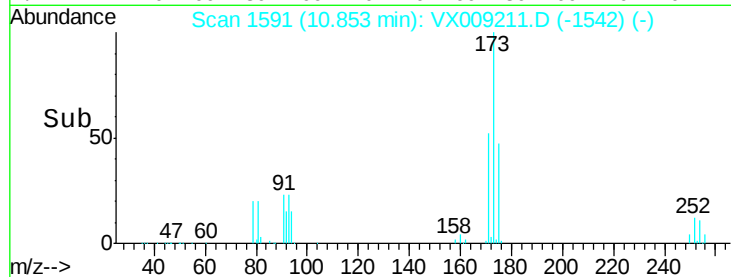
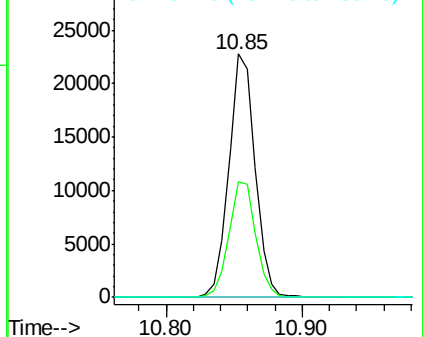
254 0.1 0.1 0.1#

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:03:51 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: VX009211.D

Acq: 29 Apr 2019 16:46

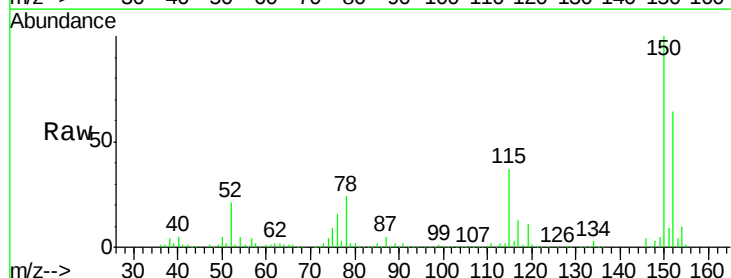
Tgt Ion:152 Resp: 132359

Ion Ratio Lower Upper

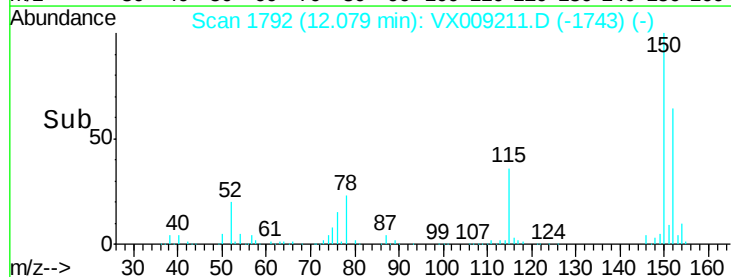
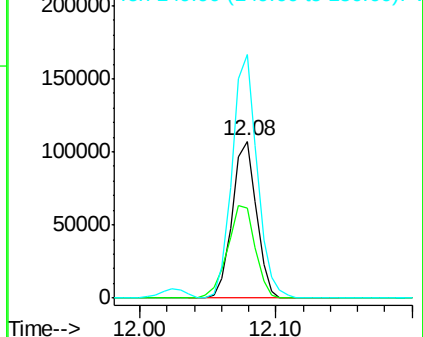
152 100

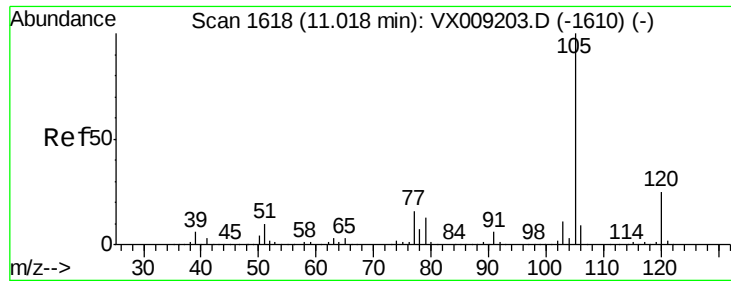
115 67.6 41.2 123.6

150 161.2 0.0 346.4



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





#73

Isopropylbenzene

Concen: 19.850 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

VX0429WBS01

Tot Ion: 105 Resp: 191055

Ion Ratio Lower Upper

105 100

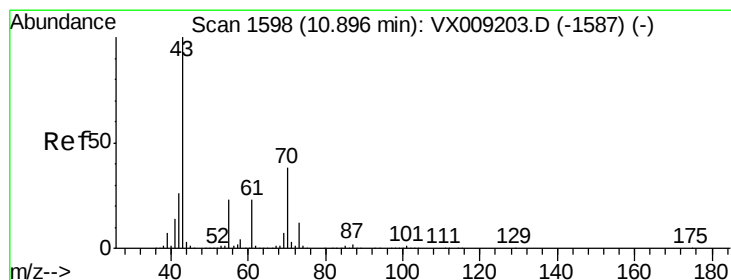
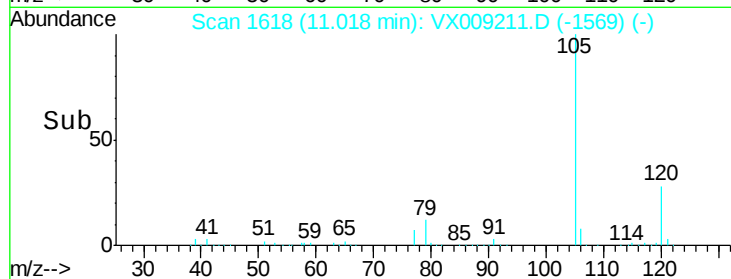
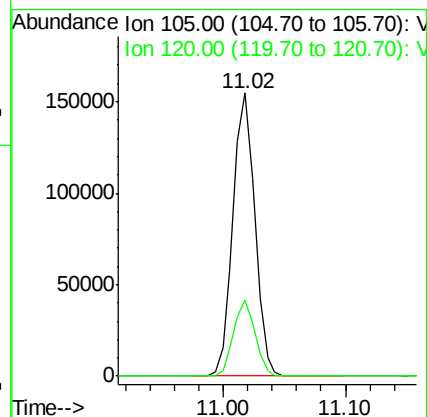
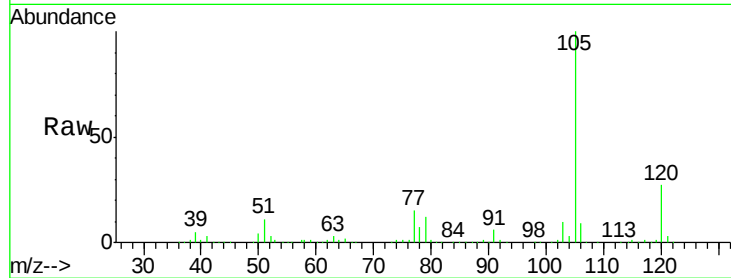
120 26.3 12.8 38.3

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:03:51 AM



#74

N-ethyl acetate

Concen: 19.419 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Tgt Ion: 43 Resp: 108967

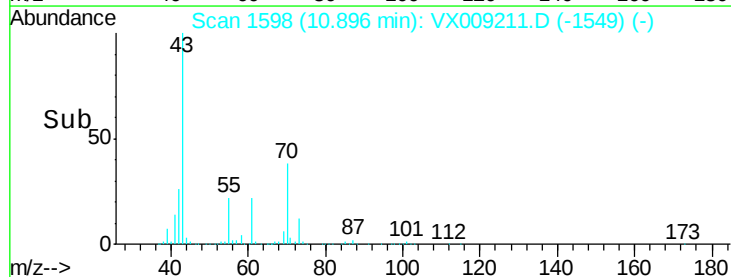
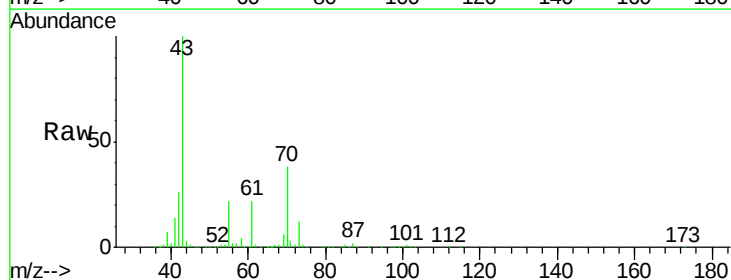
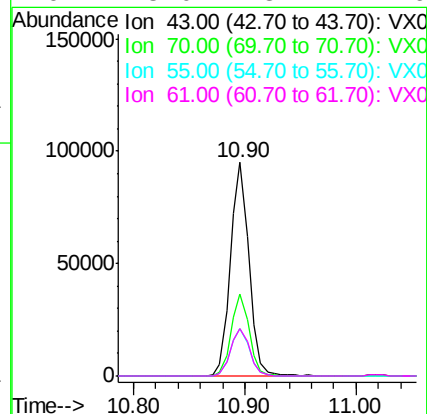
Ion Ratio Lower Upper

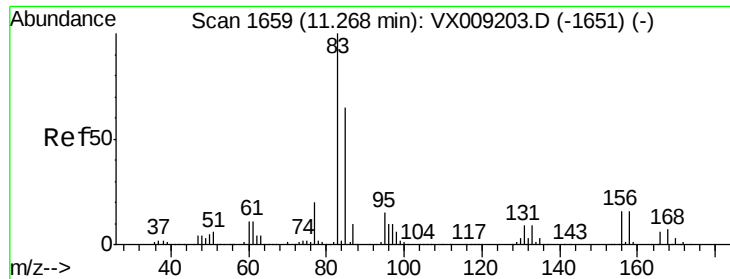
43 100

70 38.0 30.0 45.0

55 23.1 17.9 26.9

61 23.0 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.612 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Instrument :

MSVOA_X

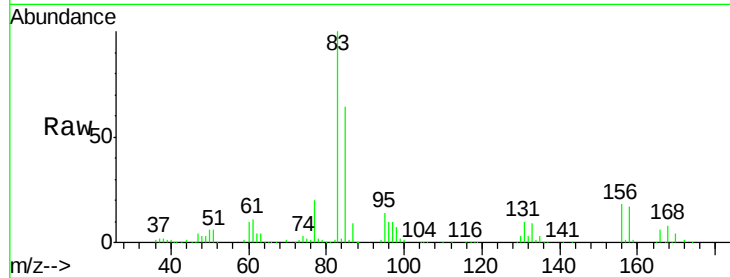
ClientSampleId :

VX0429WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	70369		
131	9.3	4.6	13.8	
85	65.0	32.0	96.2	

Manual Integrations
APPROVED

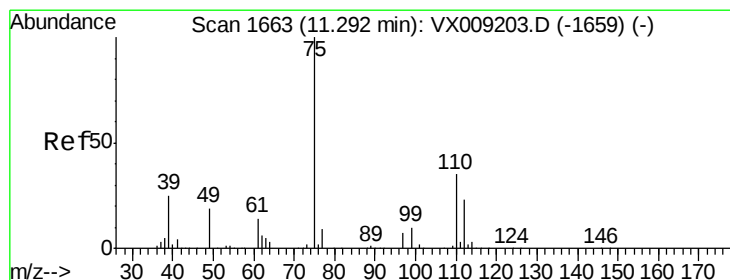
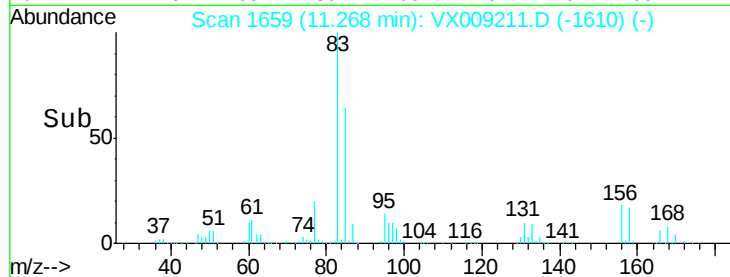
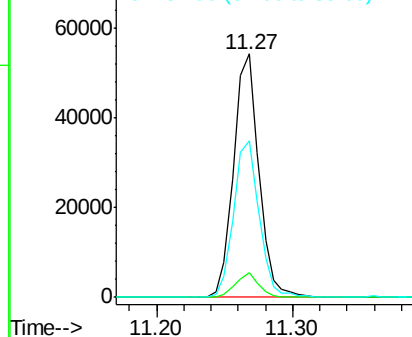
MMDadoda
4/30/2019 11:03:51 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 20.009 ug/l m

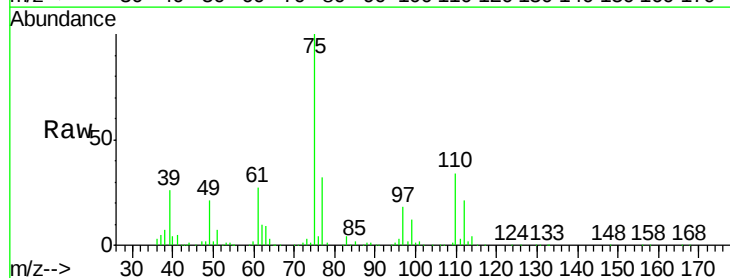
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009211.D

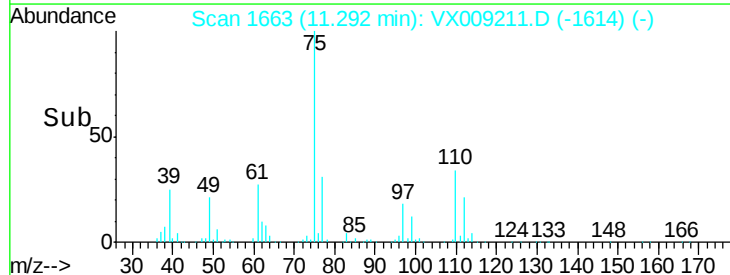
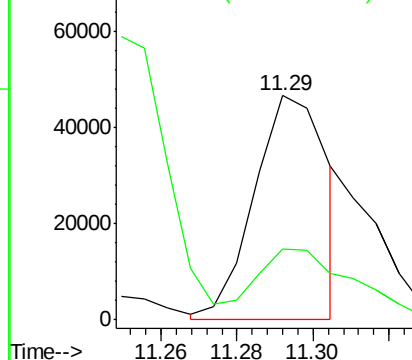
Acq: 29 Apr 2019 16:46

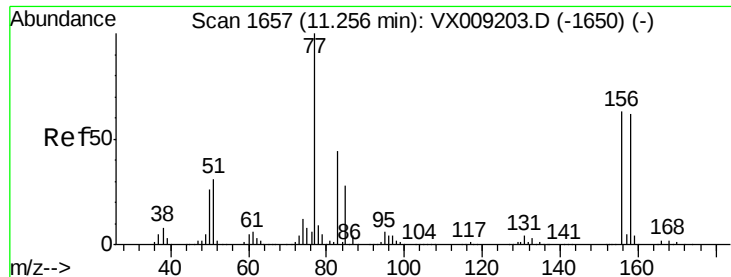
Tgt Ion	Ratio	Resp	Lower	Upper
75	100	61432		
77	42.6	22.1	66.1	



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.578 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

VX0429WBS01

Tot Ion:156 Resp: 46771

Ion Ratio Lower Upper

156 100

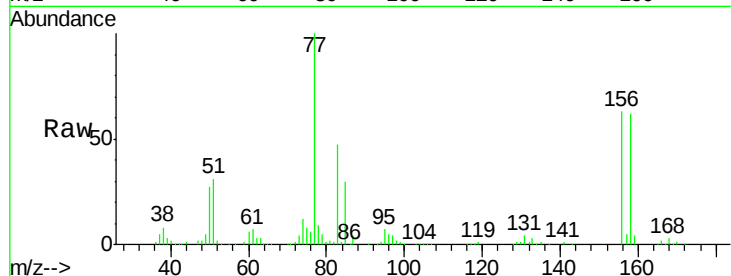
77 168.1 84.8 254.3

158 97.6 49.1 147.3

Manual Integrations
APPROVED

MMDadoda

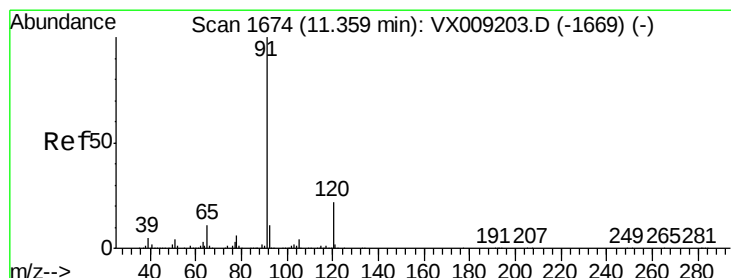
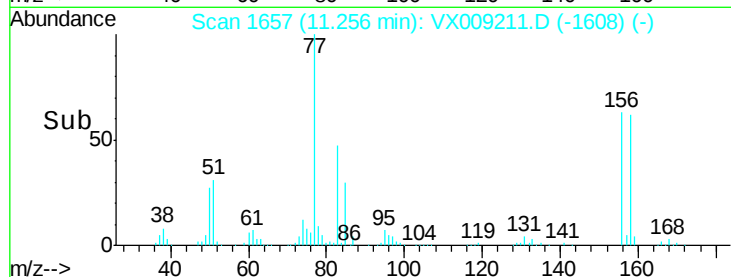
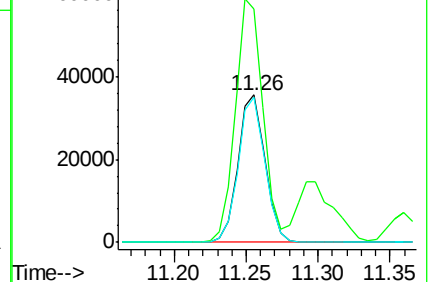
4/30/2019 11:03:51 AM



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: 19.783 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009211.D

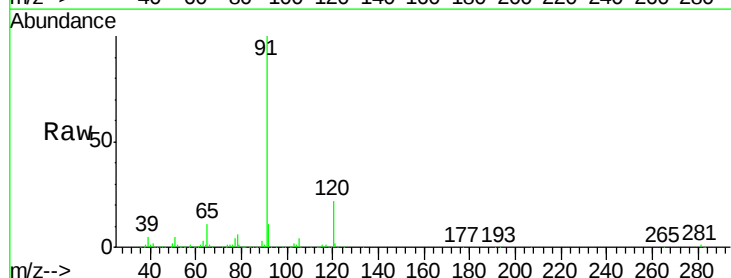
Acq: 29 Apr 2019 16:46

Tgt Ion: 91 Resp: 217456

Ion Ratio Lower Upper

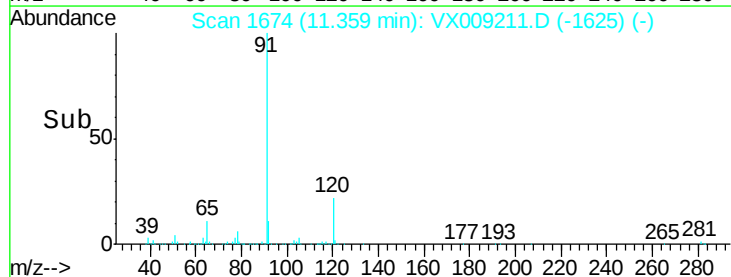
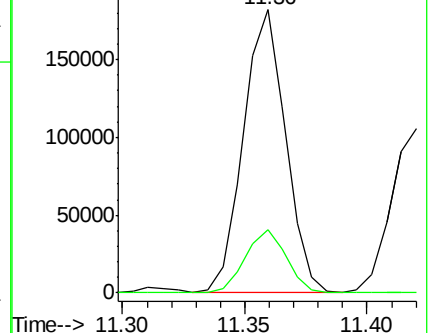
91 100

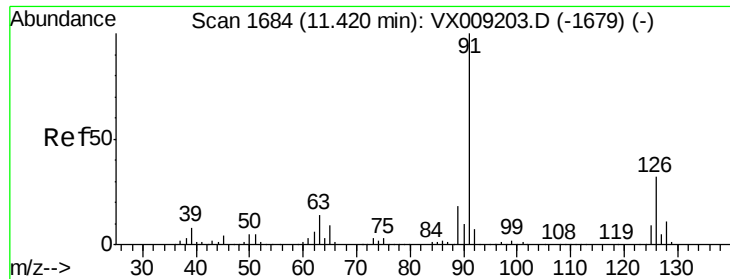
120 22.0 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.458 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

VX0429WBS01

Tot Ion: 91 Resp: 131956

Ion Ratio Lower Upper

91 100

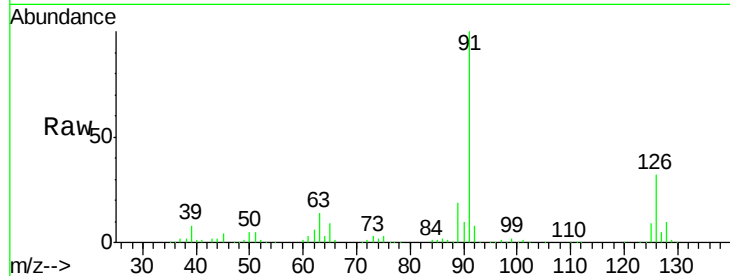
126 32.6 16.3 48.9

Manual Integrations

APPROVED

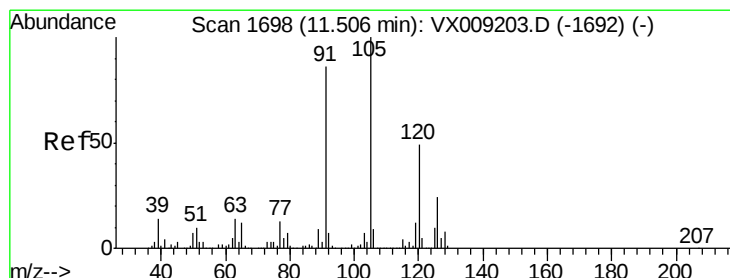
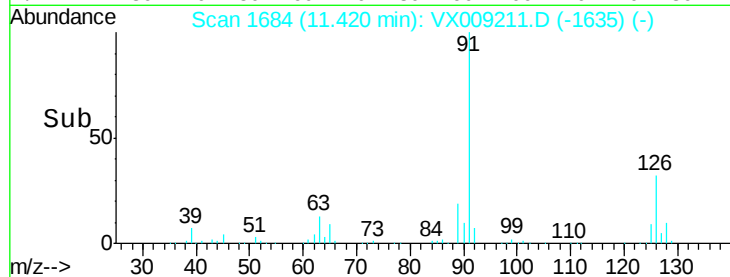
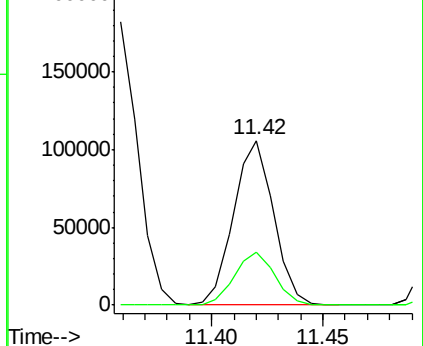
MMDadoda

4/30/2019 11:03:51 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.777 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009211.D

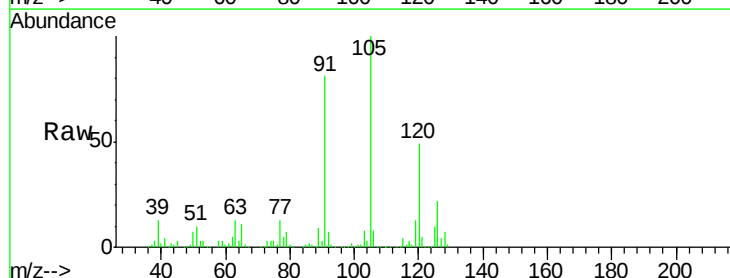
Acq: 29 Apr 2019 16:46

Tgt Ion:105 Resp: 160278

Ion Ratio Lower Upper

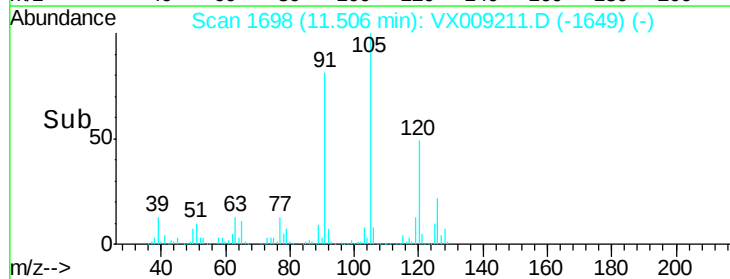
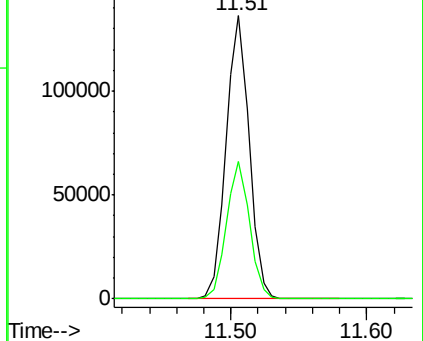
105 100

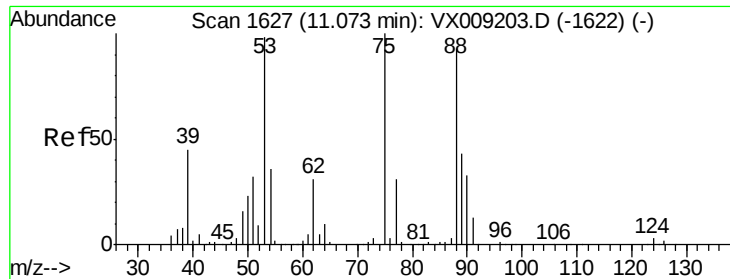
120 48.3 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.608 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

VX0429WBS01

Tot Ion: 75 Resp: 22329

Ion Ratio Lower Upper

75 100

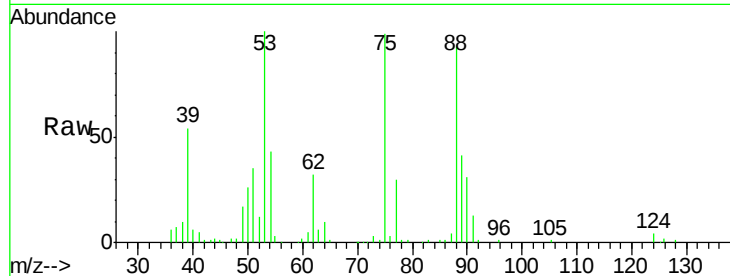
53 105.0 79.0 118.6

89 43.4 34.7 52.1

Manual Integrations
APPROVED

MMDadoda

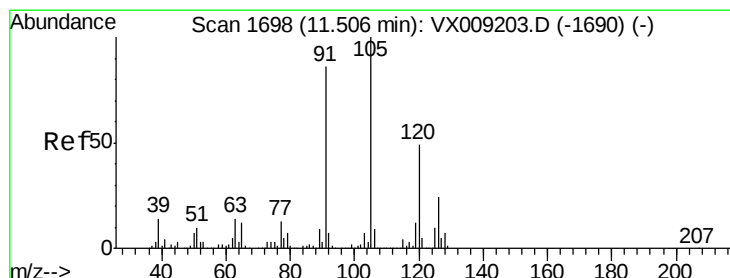
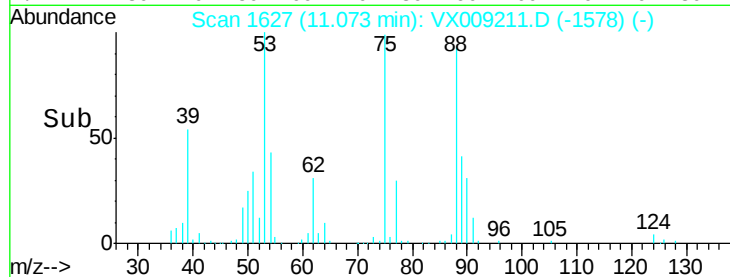
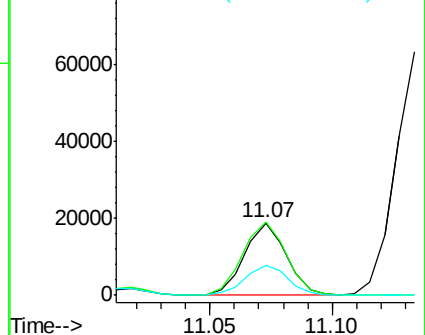
4/30/2019 11:03:51 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 19.355 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009211.D

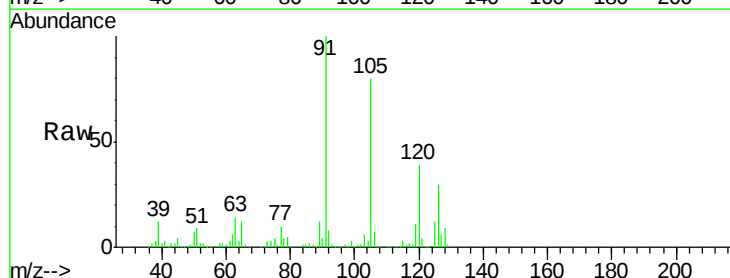
Acq: 29 Apr 2019 16:46

Tgt Ion: 91 Resp: 148286

Ion Ratio Lower Upper

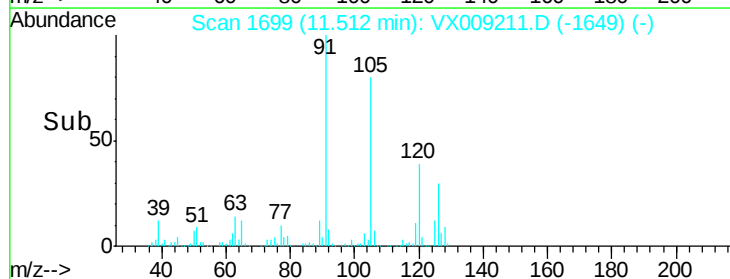
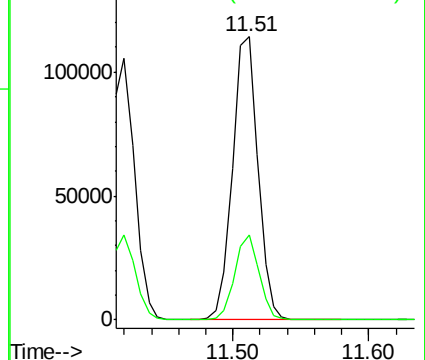
91 100

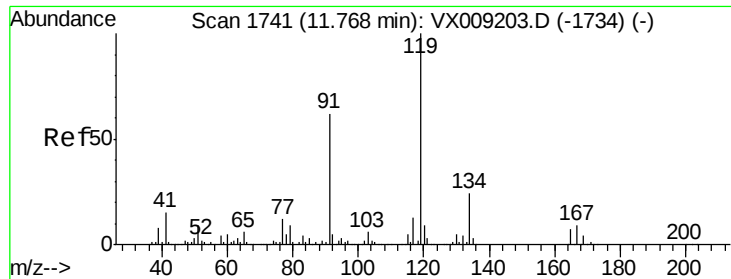
126 28.9 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 19.693 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Instrument :

MSVOA_X

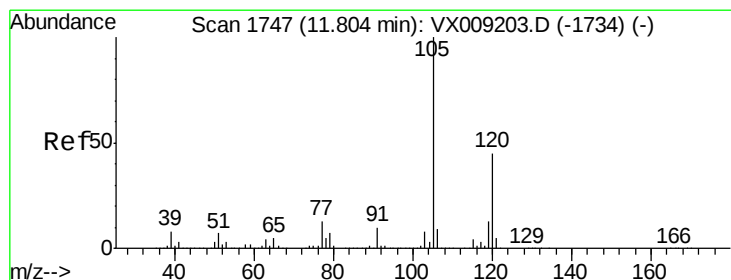
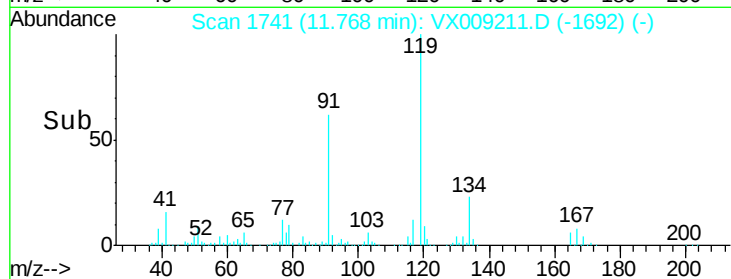
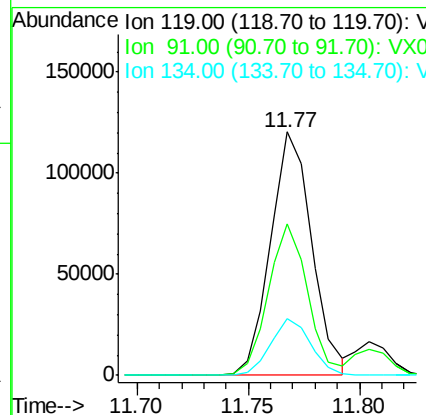
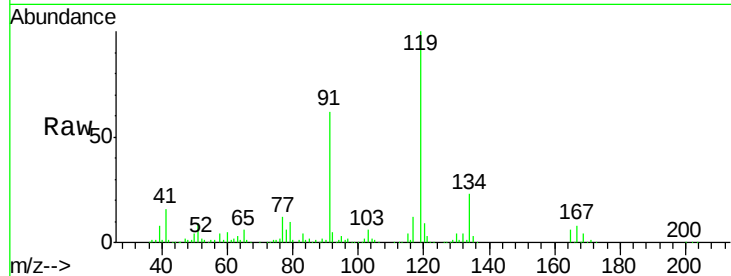
ClientSampleId :

VX0429WBS01

Tot Ion:	119	Resp:	155255
Ion Ratio	Lower	Upper	
119	100		
91	59.3	29.5	88.5
134	22.5	11.4	34.1

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:03:51 AM



#84

1,2,4-Trimethylbenzene

Concen: 19.947 ug/l

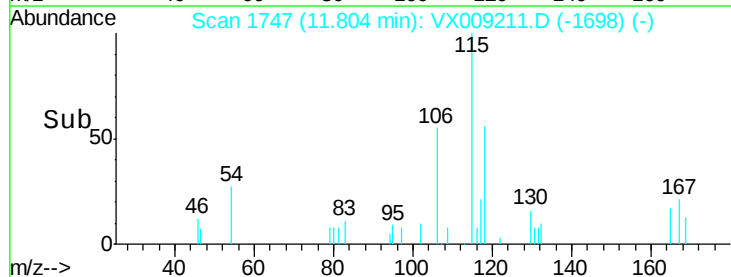
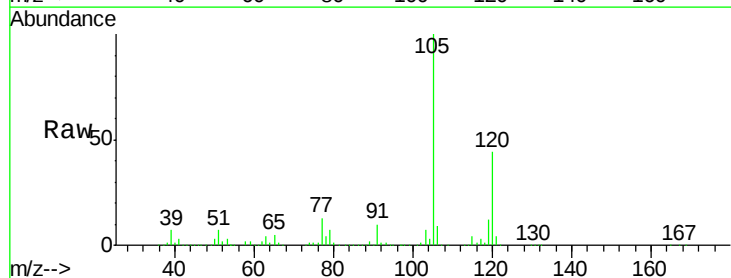
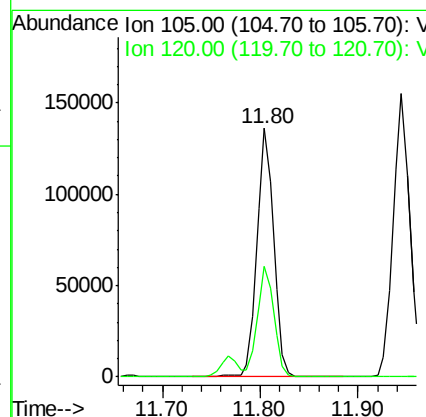
RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Tgt Ion:	105	Resp:	162265
Ion Ratio	Lower	Upper	
105	100		
120	43.2	22.0	66.0





#85

sec-Butylbenzene

Concen: 19.560 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

VX0429WBS01

Tot Ion:105 Resp: 182822

Ion Ratio Lower Upper

105 100

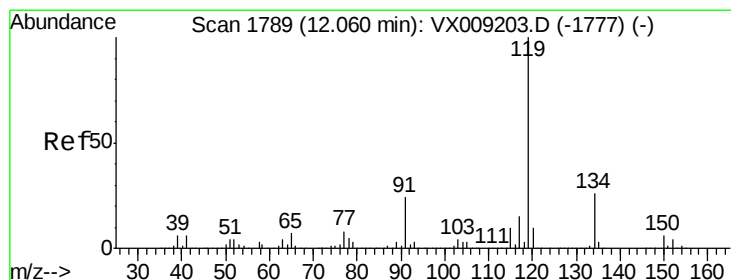
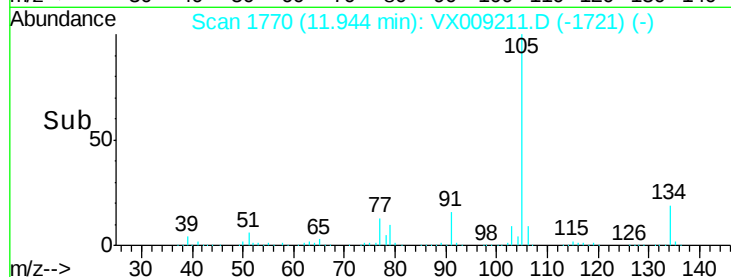
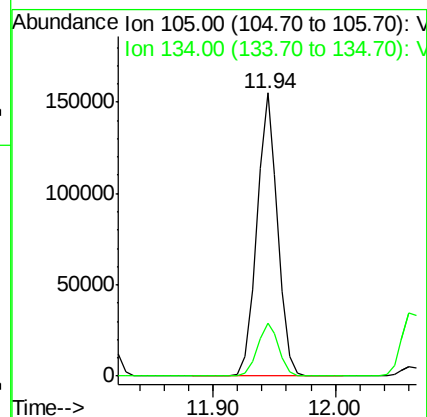
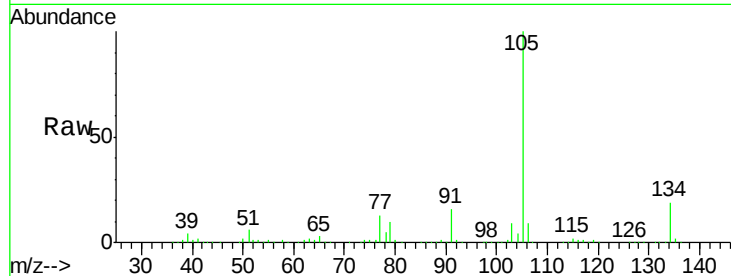
134 19.2 9.7 28.9

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:03:51 AM



#86

p-Isopropyltoluene

Concen: 19.661 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

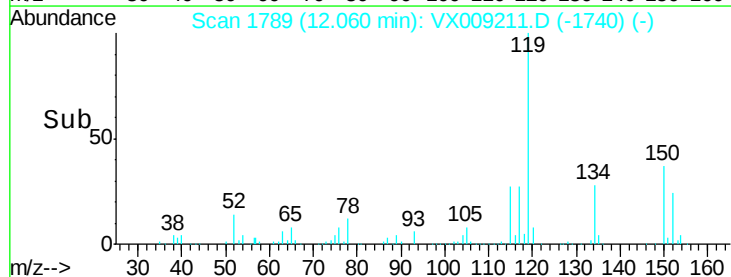
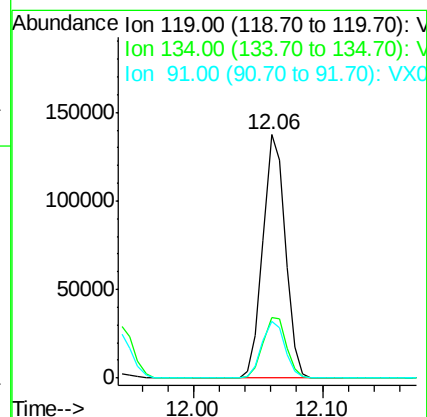
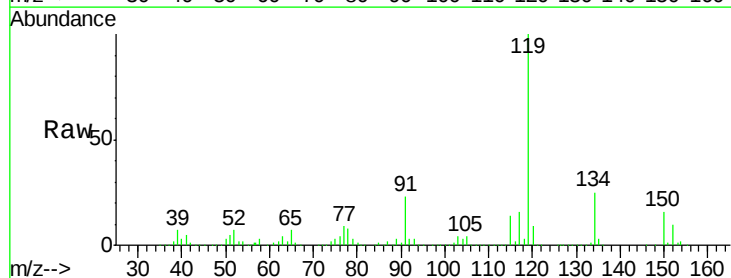
Tgt Ion:119 Resp: 165206

Ion Ratio Lower Upper

119 100

134 26.0 12.9 38.7

91 24.0 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 19.167 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Instrument :

MSVOA_X

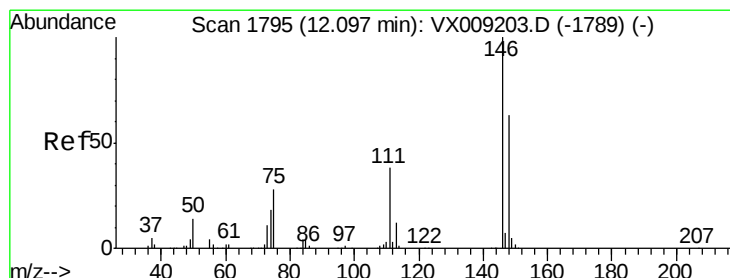
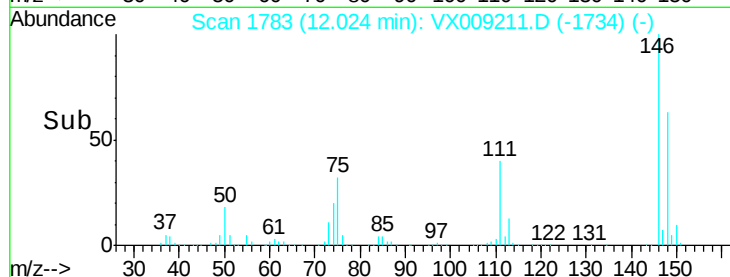
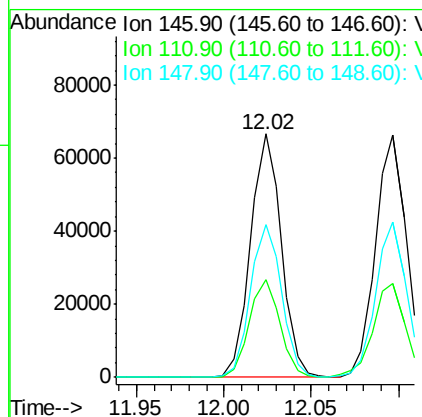
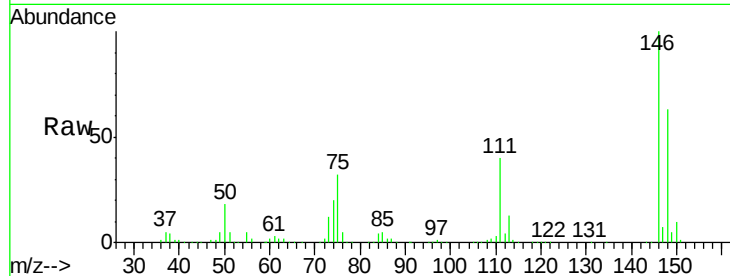
ClientSampleId :

VX0429WBS01

Tot Ion:	146	Resp:	81627
Ion Ratio	Lower	Upper	
146	100		
111	39.9	20.0	59.9
148	63.2	31.8	95.3

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:03:51 AM



#88

1,4-Dichlorobenzene

Concen: 19.024 ug/l

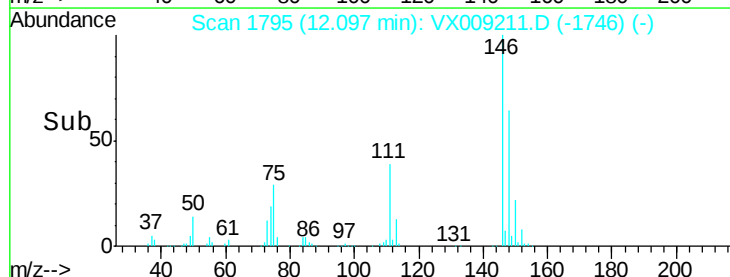
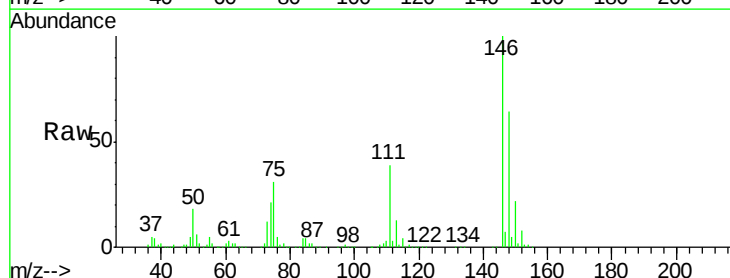
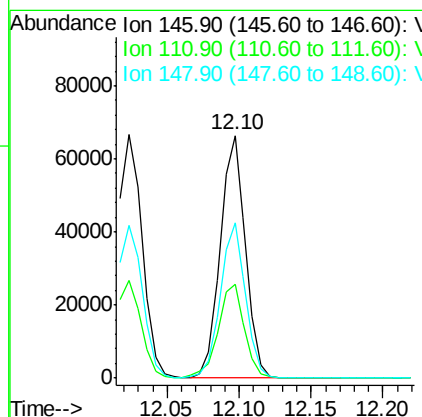
RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Tgt Ion:	146	Resp:	81682
Ion Ratio	Lower	Upper	
146	100		
111	40.8	19.6	58.8
148	64.0	31.8	95.3





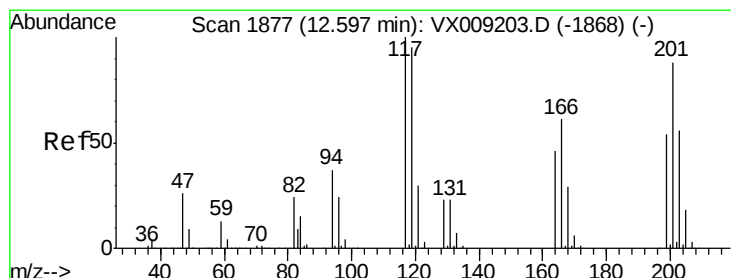
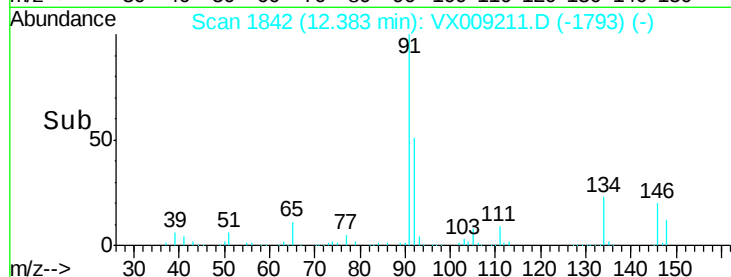
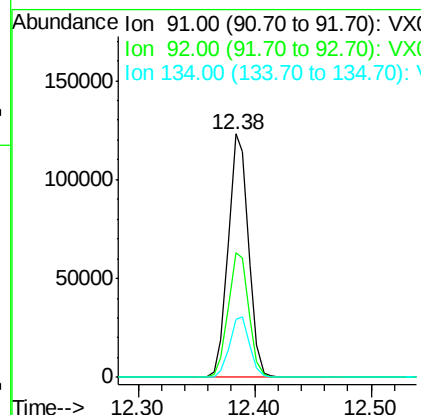
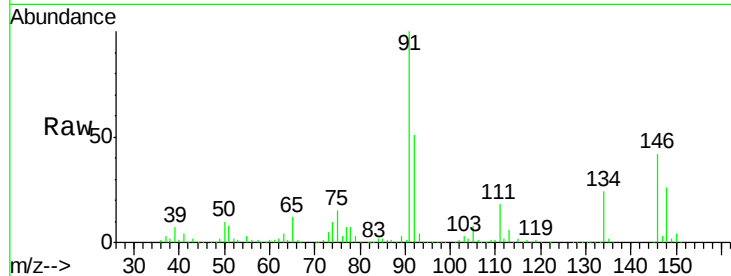
#89
n-Butylbenzene
Concen: 19.497 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009211.D
Acq: 29 Apr 2019 16:46

Instrument :
MSVOA_X
ClientSampleId :
VX0429WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		148074		
92	51.7	26.5	79.5		
134	24.6	12.4	37.2		

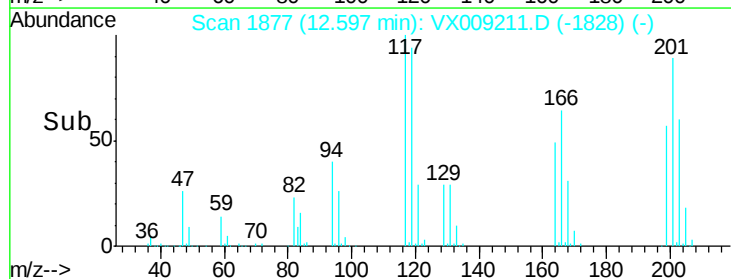
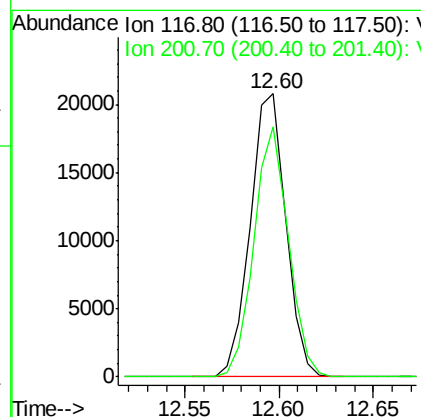
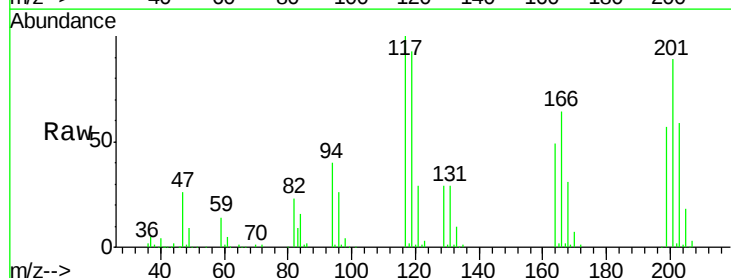
Manual Integrations
APPROVED

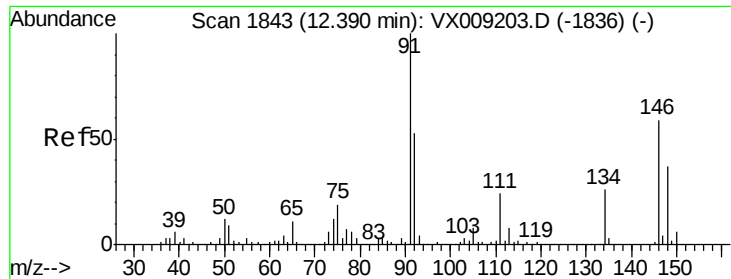
MMDadoda
4/30/2019 11:03:51 AM



#90
Hexachloroethane
Concen: 19.016 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009211.D
Acq: 29 Apr 2019 16:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		27223		
201	85.5	42.3	126.9		





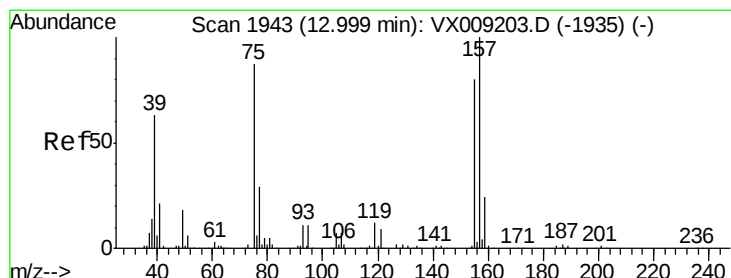
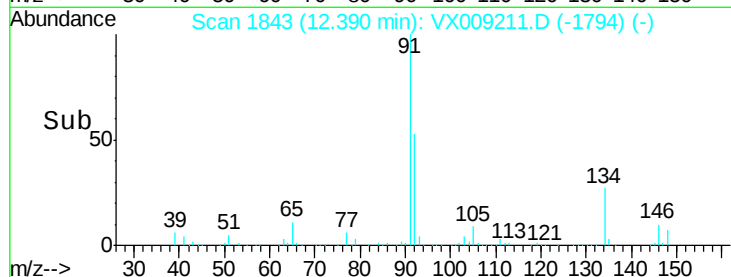
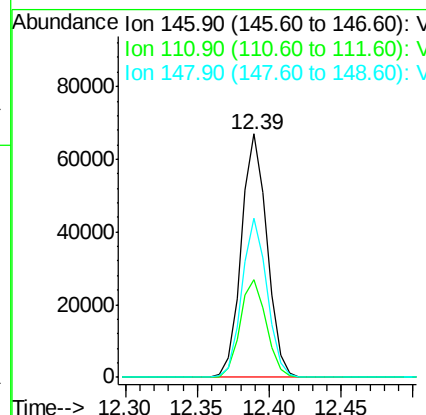
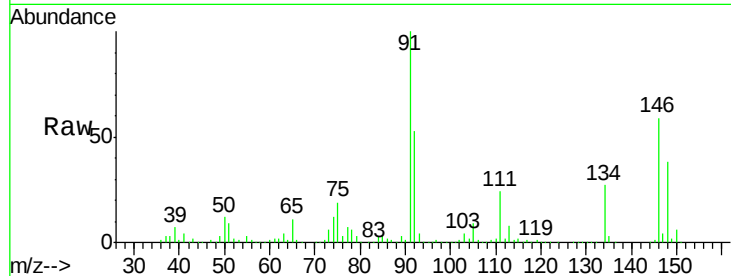
#91
 1,2-Dichlorobenzene
 Concen: 19.207 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009211.D
 Acq: 29 Apr 2019 16:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0429WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.4
148	63.6	31.9	95.9

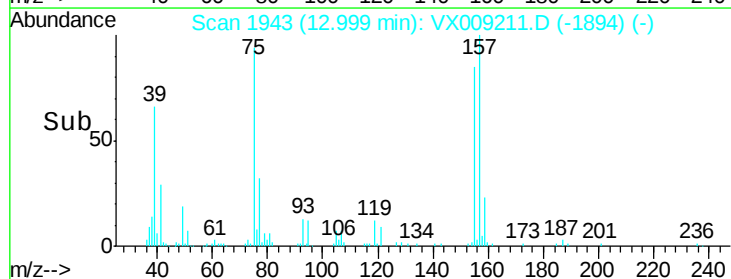
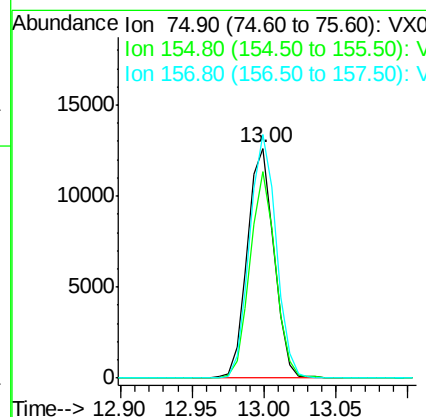
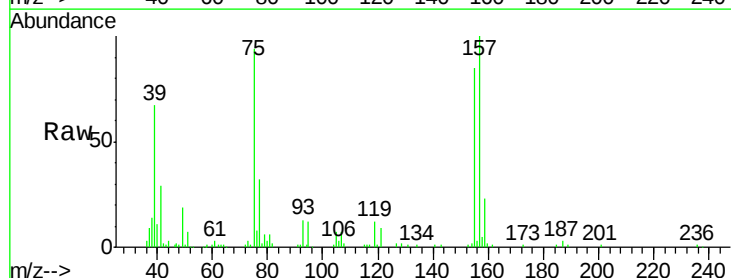
Manual Integrations
 APPROVED

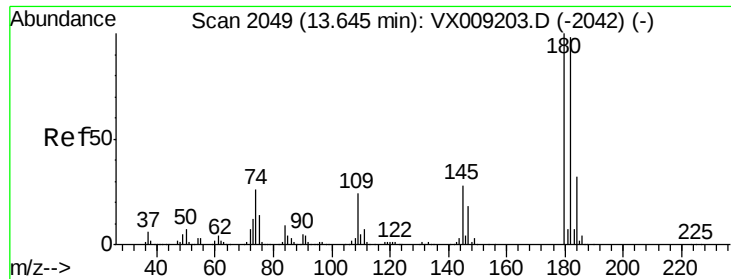
MMDadoda
 4/30/2019 11:03:51 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.114 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009211.D
 Acq: 29 Apr 2019 16:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.2	42.0	126.0
157	105.2	53.2	159.6





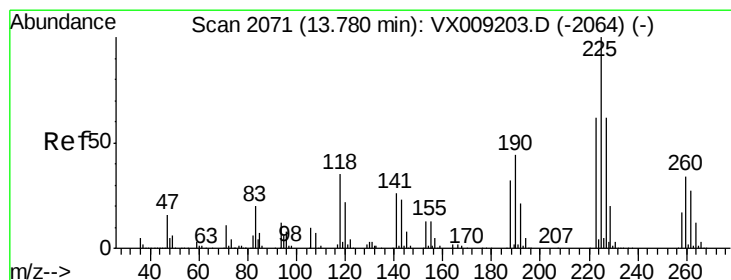
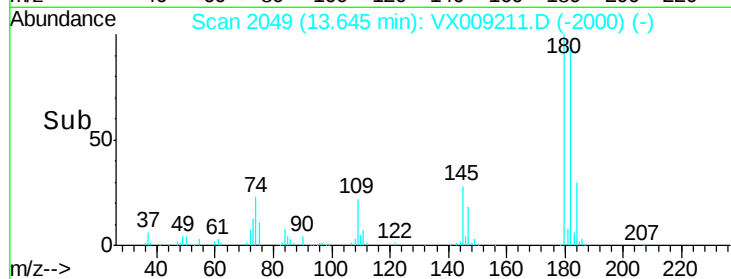
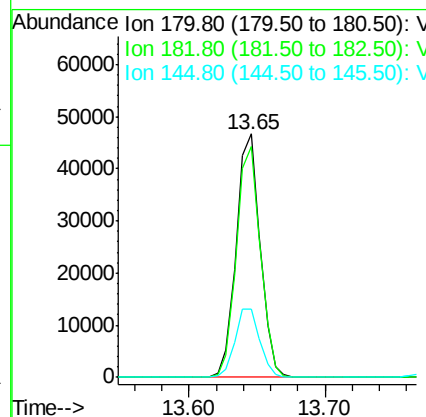
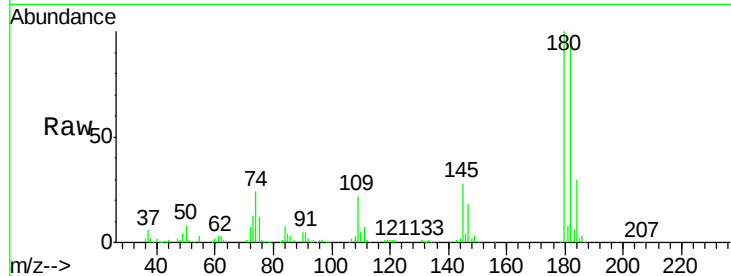
#93
 1,2,4-Trichlorobenzene
 Concen: 19.226 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009211.D
 Acq: 29 Apr 2019 16:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0429WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.4	145.2
145	29.1	14.6	43.8

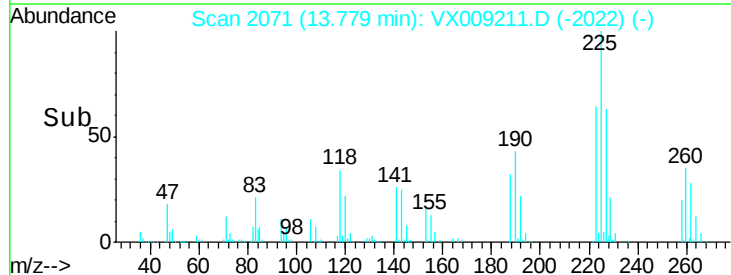
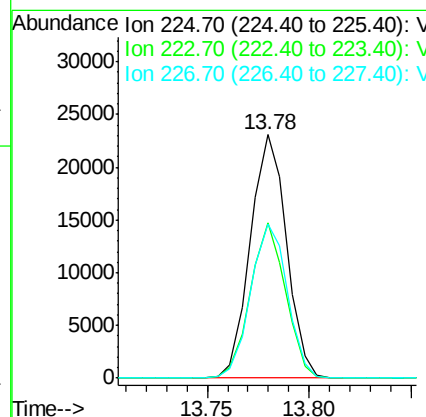
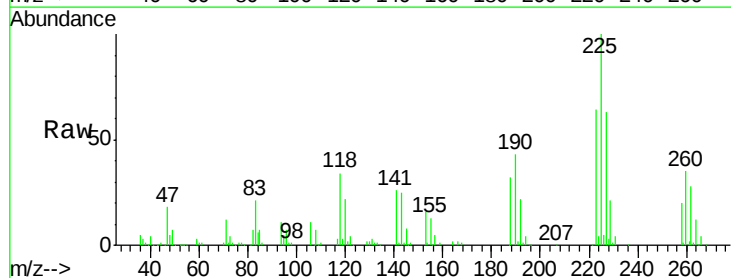
Manual Integrations
 APPROVED

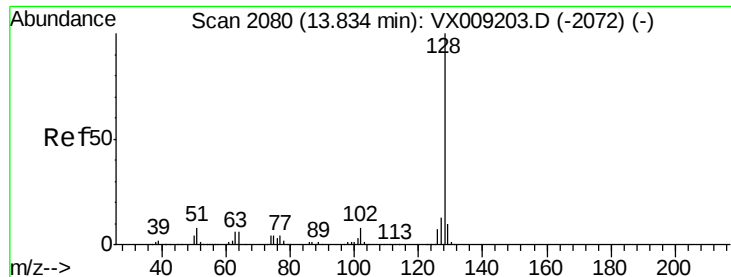
MMDadoda
 4/30/2019 11:03:51 AM



#94
 Hexachlorobutadiene
 Concen: 18.804 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009211.D
 Acq: 29 Apr 2019 16:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.3	93.8
227	64.2	31.8	95.3





#95

Naphthalene

Concen: 20.465 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Instrument :

MSVOA_X

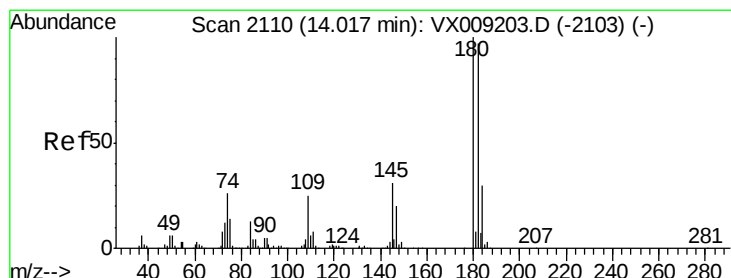
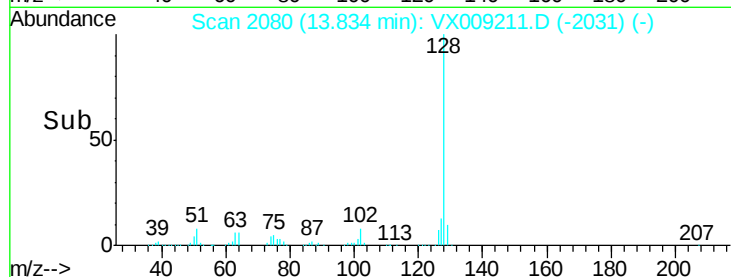
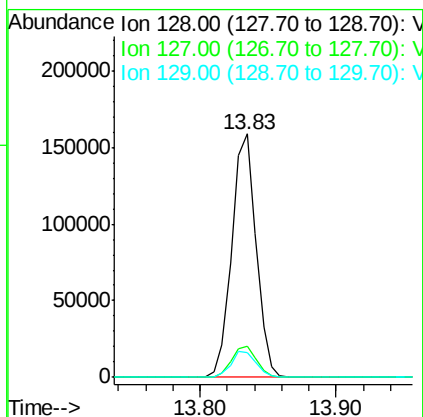
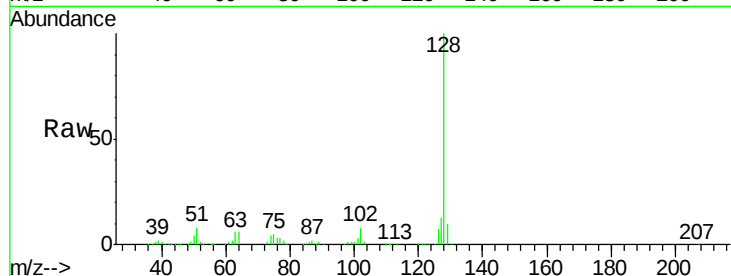
ClientSampleId :

VX0429WBS01

Tot Ion:	128	Resp:	197504
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:03:51 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.517 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009211.D

Acq: 29 Apr 2019 16:46

Tgt Ion:	180	Resp:	58685
Ion Ratio		Lower	Upper
180	100		
182	95.6	47.8	143.4
145	31.8	15.4	46.4

