

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042919\
 Data File : VX009229.D
 Acq On : 29 Apr 2019 23:46
 Operator : JC/SP
 Sample : K2594-04MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW038-190423MS

Manual Integrations
 APPROVED

MMDadoda
 4/30/2019 11:04:00 AM

Quant Time: Apr 30 09:17:14 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	192648	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	322321	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	290024	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	141508	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	126103	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
35) Dibromofluoromethane	5.50	113	93318	46.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.10%	
50) Toluene-d8	8.71	98	380940	46.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.14%	
62) 4-Bromofluorobenzene	11.13	95	138385	46.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	84354	47.516	ug/l	99
3) Chloromethane	1.32	50	118738	48.990	ug/l	100
4) Vinyl Chloride	1.41	62	121444	51.385	ug/l	99
5) Bromomethane	1.64	94	63738	44.932	ug/l	95
6) Chloroethane	1.71	64	72707	47.915	ug/l	97
7) Trichlorofluoromethane	1.92	101	139763	48.649	ug/l	98
8) Diethyl Ether	2.18	74	65373	48.039	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	85438	47.358	ug/l	99
10) Methyl Iodide	2.51	142	98710	47.359	ug/l	99
11) Tert butyl alcohol	3.05	59	141028	231.668	ug/l	100
12) 1,1-Dichloroethene	2.37	96	90125	49.859	ug/l	98
13) Acrolein	2.29	56	124036	224.986	ug/l	99
14) Allyl chloride	2.73	41	208290	47.284	ug/l	100
15) Acrylonitrile	3.14	53	370967	249.232	ug/l	100
16) Acetone	2.45	43	308671	218.584	ug/l	99
17) Carbon Disulfide	2.57	76	252318	49.718	ug/l	100
18) Methyl Acetate	2.78	43	158404	47.167	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	346784	49.404	ug/l	98
20) Methylene Chloride	2.85	84	108196	47.320	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	96129	49.037	ug/l	99
22) Diisopropyl ether	3.85	45	423450	49.985	ug/l	99
23) Vinyl Acetate	3.81	43	1819999	250.886	ug/l	99
24) 1,1-Dichloroethane	3.70	63	205461	49.164	ug/l	99
25) 2-Butanone	4.67	43	539907	246.036	ug/l	99
26) 2,2-Dichloropropane	4.58	77	120902	38.867	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	120794	51.624	ug/l	98
28) Bromochloromethane	5.01	49	85080	50.607	ug/l	99
29) Tetrahydrofuran	5.13	42	360132	255.033	ug/l	99
30) Chloroform	5.21	83	185718	49.135	ug/l	99
31) Cyclohexane	5.58	56	191167	49.167	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	152474	48.459	ug/l	100
36) 1,1-Dichloropropene	5.80	75	140217	46.811	ug/l	100
37) Ethyl Acetate	4.83	43	200095	47.945	ug/l	99
38) Carbon Tetrachloride	5.79	117	125860	46.247	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042919\
 Data File : VX009229.D
 Acq On : 29 Apr 2019 23:46
 Operator : JC/SP
 Sample : K2594-04MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW038-190423MS

Manual Integrations
 APPROVED

MMDadoda
 4/30/2019 11:04:00 AM

Quant Time: Apr 30 09:17:14 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	167799	45.615	ug/l	98
40) Benzene	6.14	78	441456	47.621	ug/l	99
41) Methacrylonitrile	5.04	41	118582	47.732	ug/l	100
42) 1,2-Dichloroethane	6.20	62	158103	47.545	ug/l	99
43) Isopropyl Acetate	6.45	43	320168	47.961	ug/l	100
44) Trichloroethene	7.21	130	103068	45.990	ug/l	98
45) 1,2-Dichloropropane	7.51	63	125339	47.749	ug/l	99
46) Dibromomethane	7.66	93	70803	46.449	ug/l	98
47) Bromodichloromethane	7.90	83	144709	47.592	ug/l	99
48) Methyl methacrylate	7.77	41	162377	49.028	ug/l	99
49) 1,4-Dioxane	7.74	88	55392	824.705	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	1070461	245.331	ug/l	99
52) Toluene	8.79	92	267530	47.476	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	161535	47.055	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	179261	47.178	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	109443	47.606	ug/l	96
56) Ethyl methacrylate	9.18	69	201322	49.058	ug/l	100
57) 1,3-Dichloropropane	9.37	76	192460	47.573	ug/l	99
59) 2-Hexanone	9.49	43	842595	245.876	ug/l	99
60) Dibromochloromethane	9.58	129	108729	48.424	ug/l	99
61) 1,2-Dibromoethane	9.67	107	111626	48.101	ug/l	100
64) Tetrachloroethene	9.34	164	90553	45.517	ug/l	99
65) Chlorobenzene	10.14	112	286498	49.381	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	101552	48.280	ug/l	99
67) Ethyl Benzene	10.25	91	509348	47.703	ug/l	100
68) m/p-Xylenes	10.36	106	372041	95.349	ug/l	98
69) o-Xylene	10.69	106	184087	47.817	ug/l	99
70) Stvrene	10.71	104	322701	48.227	ug/l	99
71) Bromoform	10.85	173	82046	47.999	ug/l #	100
73) Isopropylbenzene	11.02	105	488146	47.438	ug/l	99
74) N-amyl acetate	10.90	43	291647	48.613	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	186501	48.618	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	155689m	47.430	ug/l	
77) Bromobenzene	11.26	156	120444	47.157	ug/l	100
78) n-propylbenzene	11.36	91	560363	47.682	ug/l	99
79) 2-Chlorotoluene	11.42	91	335960	46.337	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	410669	47.397	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	57349	44.703	ug/l	97
82) 4-Chlorotoluene	11.51	91	385967	47.121	ug/l	99
83) tert-Butylbenzene	11.77	119	399137	47.354	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	417480	48.003	ug/l	99
85) sec-Butylbenzene	11.94	105	472071	47.241	ug/l	100
86) p-Isopropyltoluene	12.06	119	427398	47.576	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	213502	46.891	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	214414	46.709	ug/l	99
89) n-Butylbenzene	12.38	91	386931	47.654	ug/l	100
90) Hexachloroethane	12.59	117	72987	47.688	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	219971	47.432	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	42556	49.453	ug/l	98
93) 1,2,4-Trichlorobenzene	13.65	180	153031	48.255	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042919\
Data File : VX009229.D
Acq On : 29 Apr 2019 23:46
Operator : JC/SP
Sample : K2594-04MS
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WP021MW038-190423MS

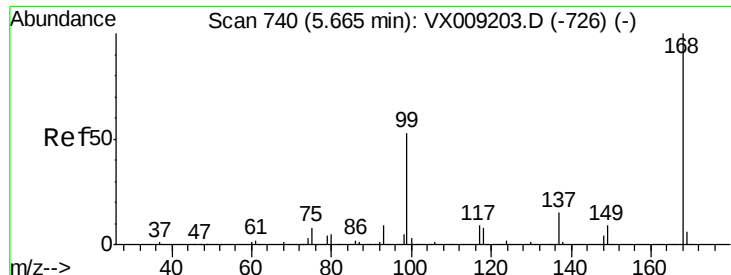
Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:04:00 AM

Quant Time: Apr 30 09:17:14 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)
94) Hexachlorobutadiene	13.78	225	74062	45.732	ug/l	99
95) Naphthalene	13.83	128	506950	49.134	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	154130	47.946	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

Instrument :

MSVOA_X

ClientSampleId :

WP021MW038-190423MS

Tot Ion:168 Resp: 192648

Ion Ratio Lower Upper

168 100

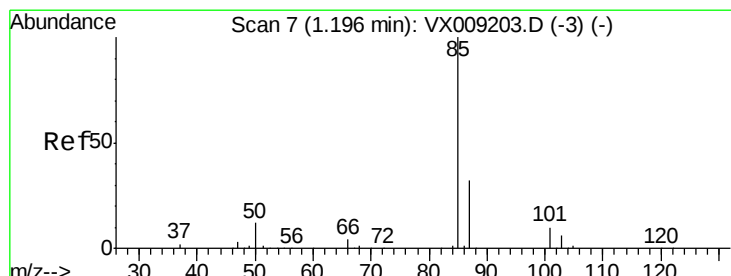
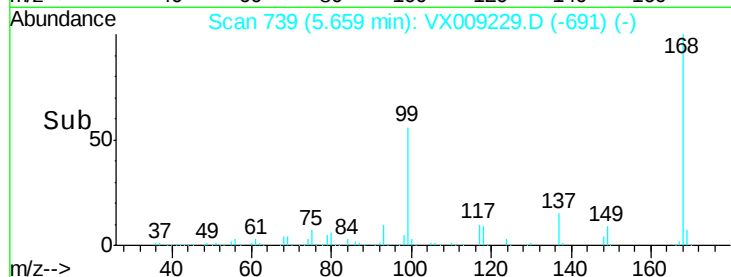
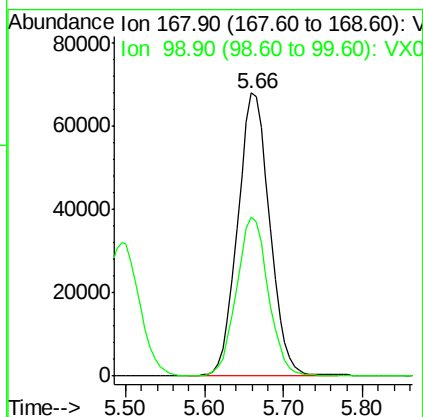
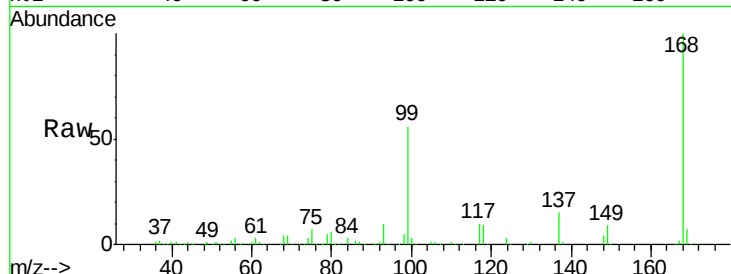
99 56.3 42.3 63.5

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:04:00 AM



#2

Dichlorodifluoromethane

Concen: 47.516 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009229.D

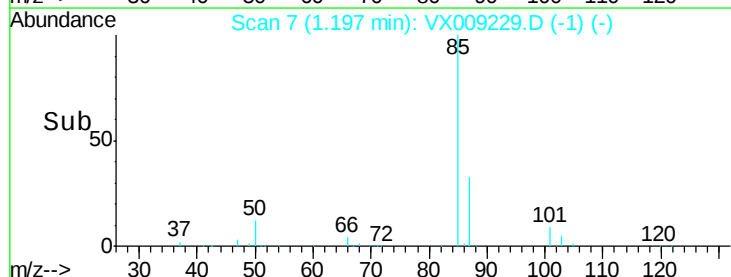
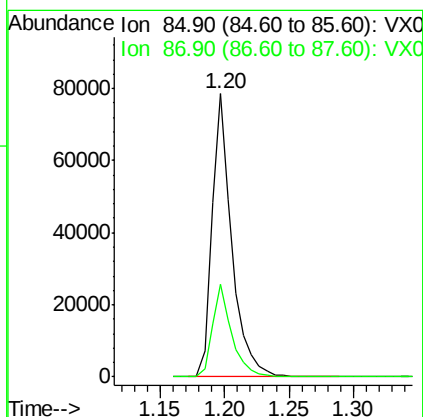
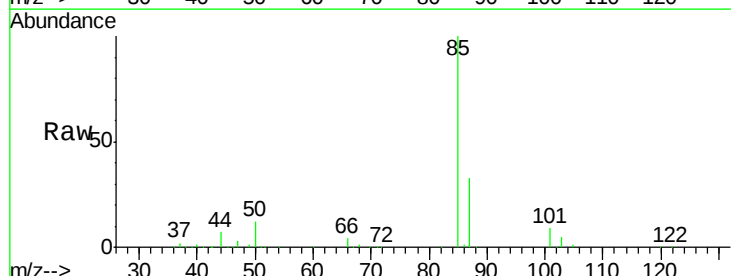
Acq: 29 Apr 2019 23:46

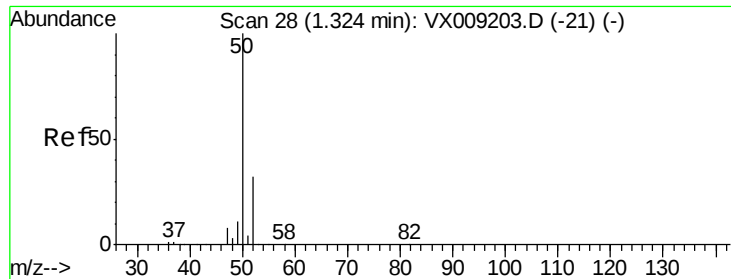
Tgt Ion: 85 Resp: 84354

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.3





#3

Chloromethane

Concen: 48.990 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

Instrument :

MSVOA_X

ClientSampleId :

WP021MW038-190423MS

Tot Ion: 50 Resp: 118738

Ion Ratio Lower Upper

50 100

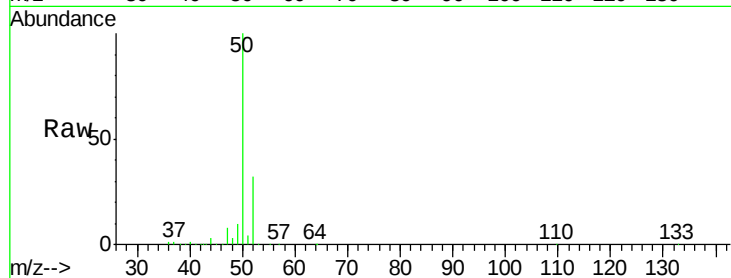
52 32.2 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:04:00 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

120000

100000

80000

60000

40000

20000

0

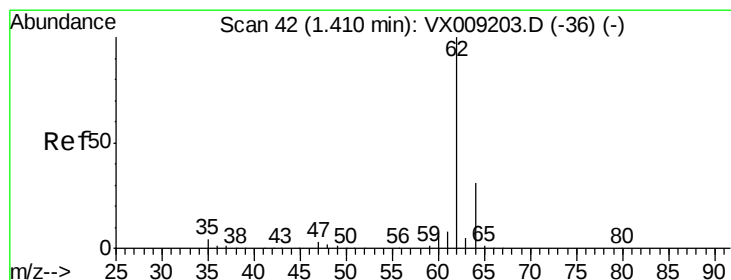
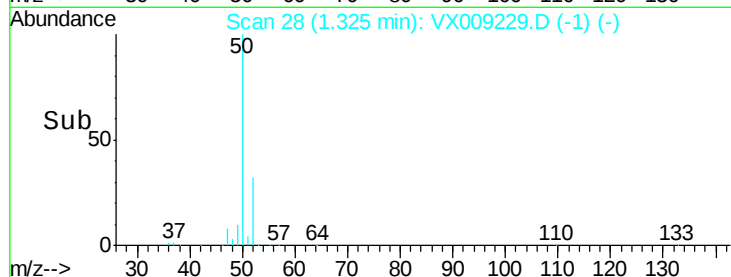
Time-->

1.25

1.30

1.35

1.40



#4

Vinyl Chloride

Concen: 51.385 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009229.D

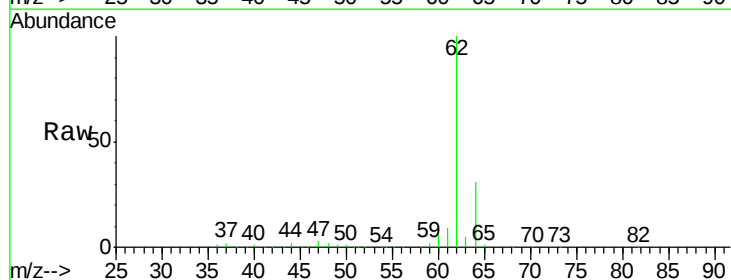
Acq: 29 Apr 2019 23:46

Tgt Ion: 62 Resp: 121444

Ion Ratio Lower Upper

62 100

64 31.3 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

120000

100000

80000

60000

40000

20000

0

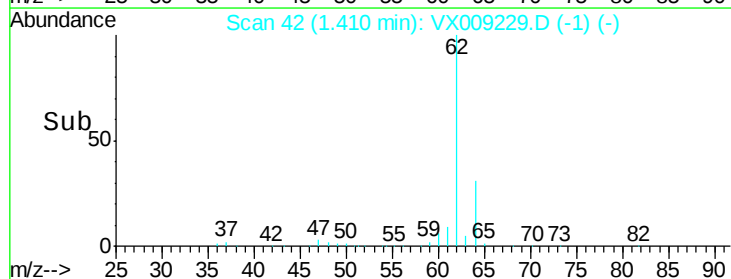
Time-->

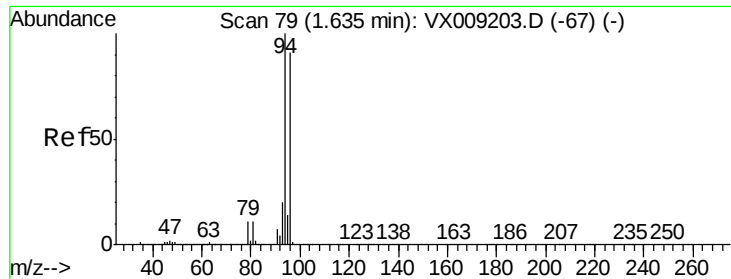
1.35

1.40

1.45

1.50





#5

Bromomethane

Concen: 44.932 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

Tot Ion: 94 Resp: 63738

Ion Ratio Lower Upper

94 100

96 96.4 73.0 109.6

Instrument :

MSVOA_X

ClientSampleId :

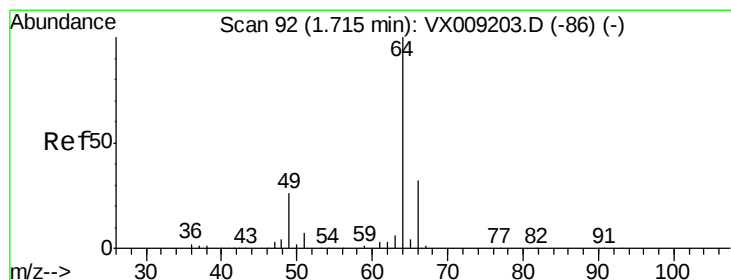
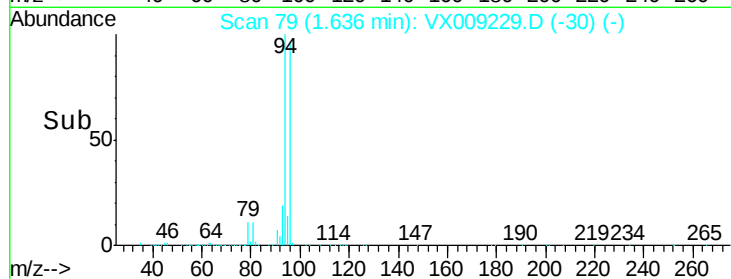
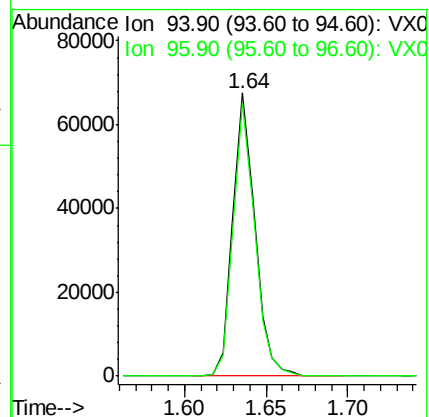
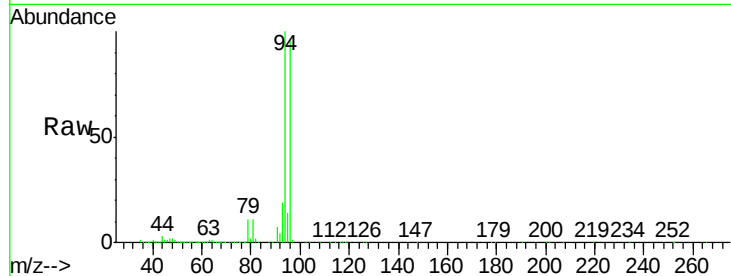
WP021MW038-190423MS

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:04:00 AM



#6

Chloroethane

Concen: 47.915 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX009229.D

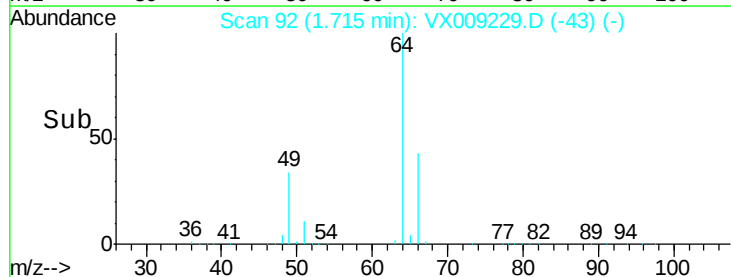
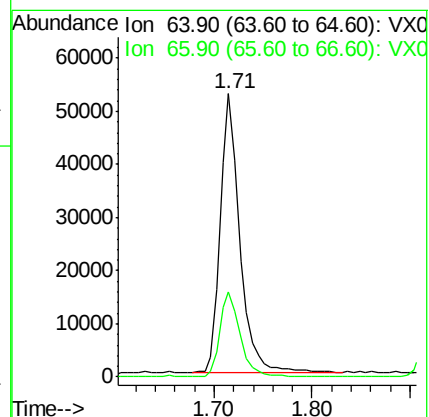
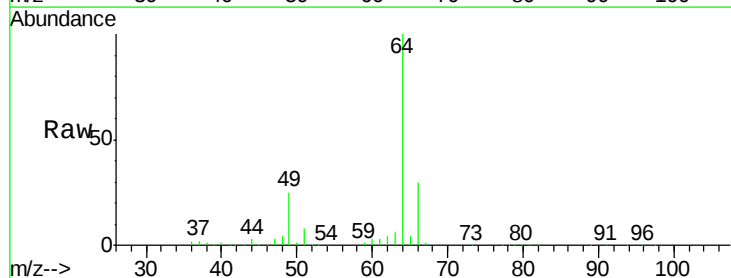
Acq: 29 Apr 2019 23:46

Tgt Ion: 64 Resp: 72707

Ion Ratio Lower Upper

64 100

66 30.2 25.3 37.9





#7

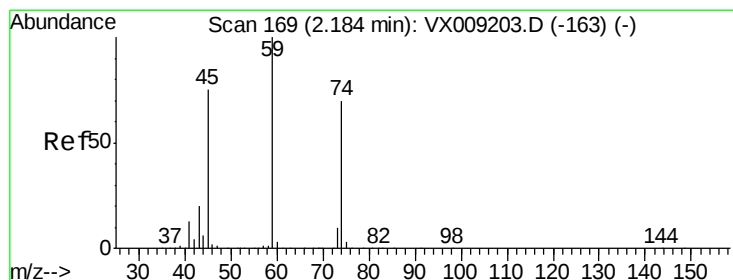
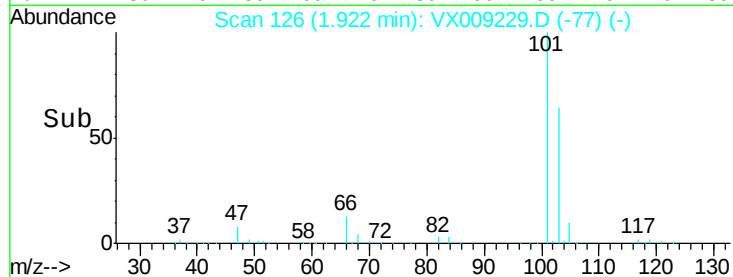
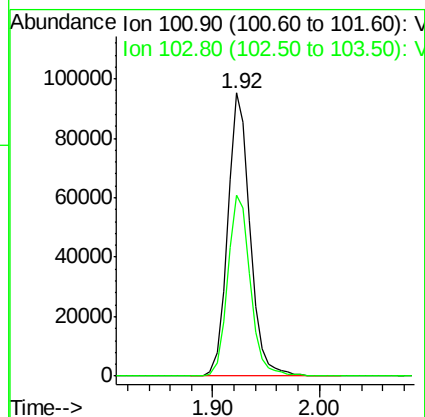
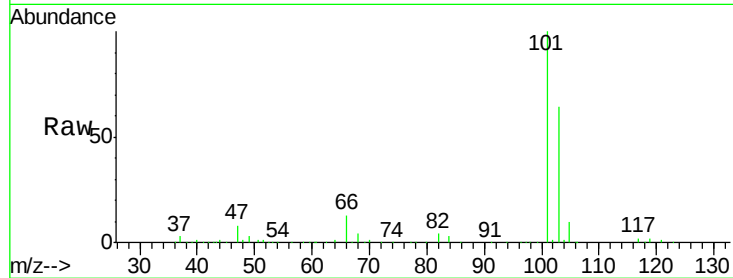
Trichlorofluoromethane
Concen: 48.649 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX009229.D
Acq: 29 Apr 2019 23:46

Instrument :
MSVOA_X
ClientSampleId :
WP021MW038-190423MS

Tot Ion:101 Resp: 139763
Ion Ratio Lower Upper
101 100
103 64.0 52.4 78.6

Manual Integrations
APPROVED

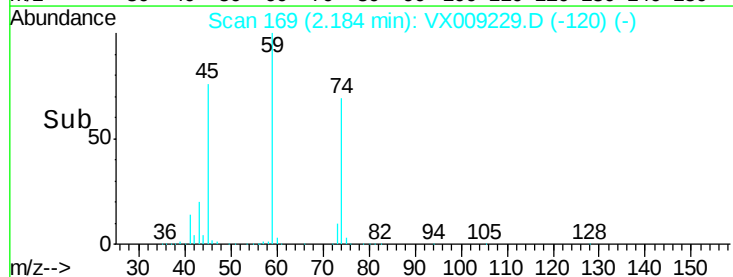
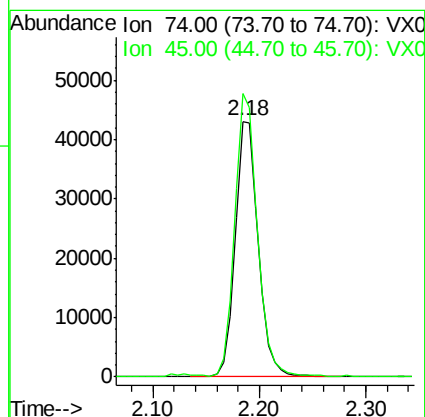
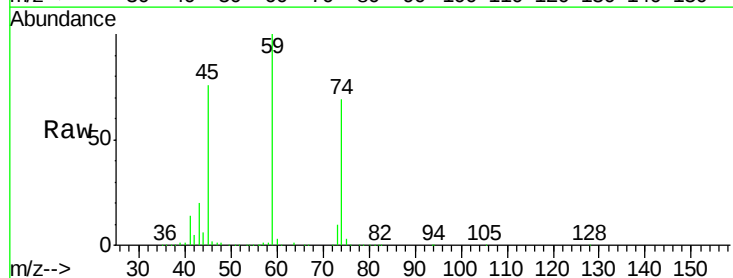
MMDadoda
4/30/2019 11:04:00 AM

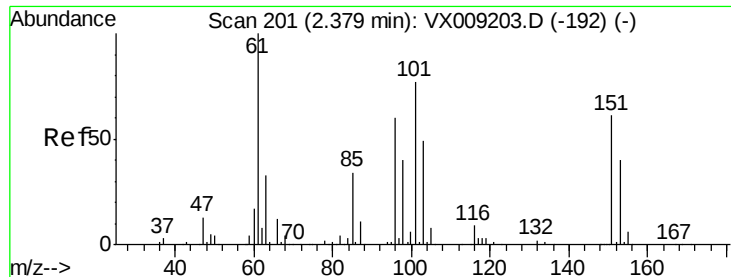


#8

Diethyl Ether
Concen: 48.039 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX009229.D
Acq: 29 Apr 2019 23:46

Tgt Ion: 74 Resp: 65373
Ion Ratio Lower Upper
74 100
45 108.7 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.358 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

Instrument :

MSVOA_X

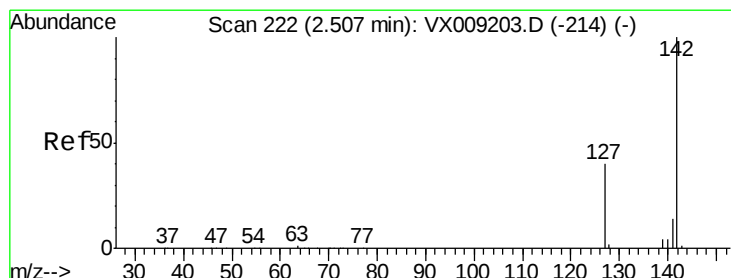
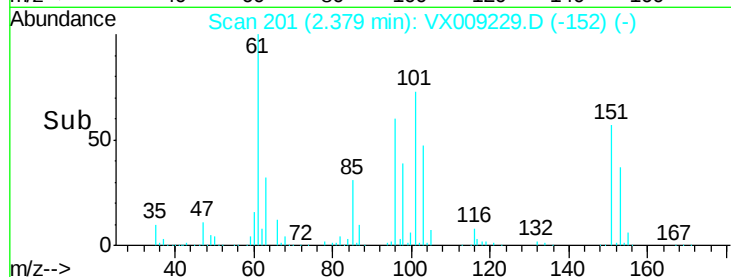
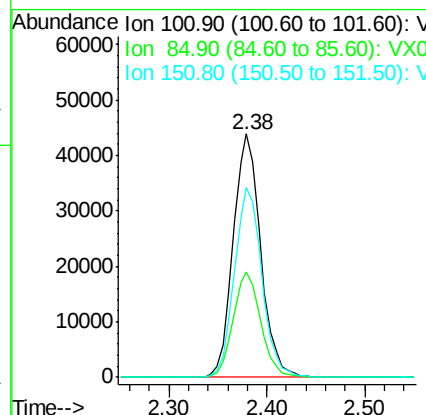
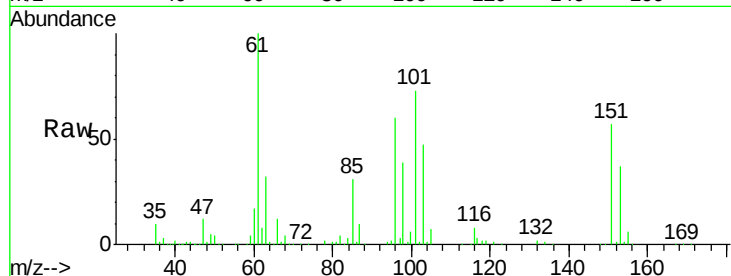
ClientSampleId :

WP021MW038-190423MS

Tot Ion:	101	Resp:	85438
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.7	53.5
151	78.1	62.2	93.2

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:04:00 AM



#10

Methyl Iodide

Concen: 47.359 ug/l

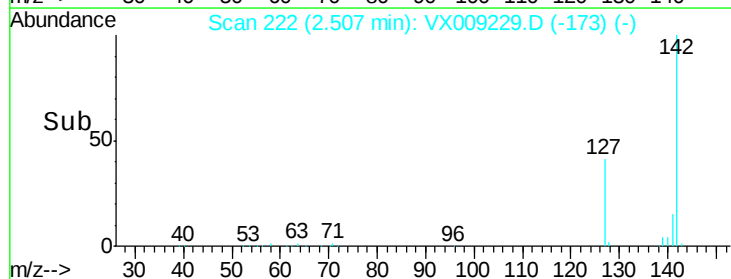
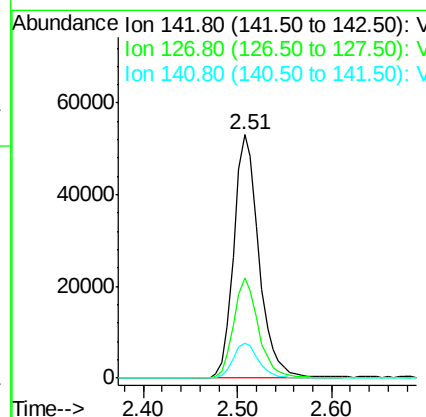
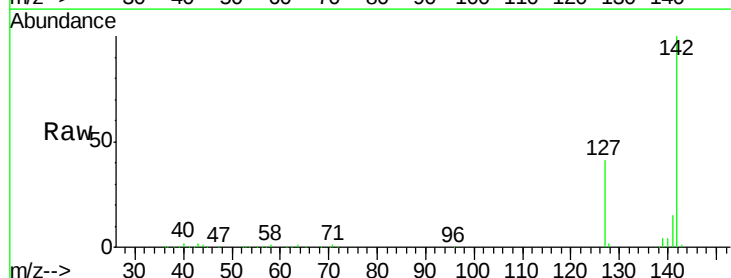
RT: 2.51 min Scan# 222

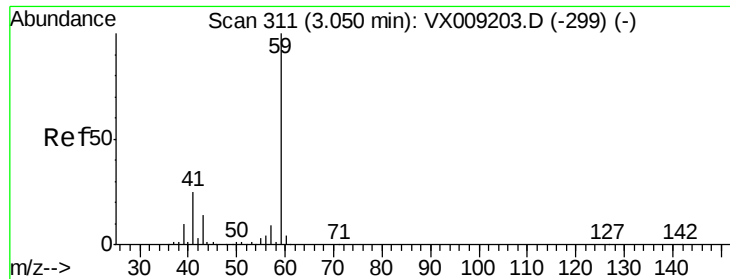
Delta R.T. 0.00 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

Tgt Ion:	142	Resp:	98710
Ion Ratio	Lower	Upper	
142	100		
127	40.5	32.7	49.1
141	14.7	11.5	17.3





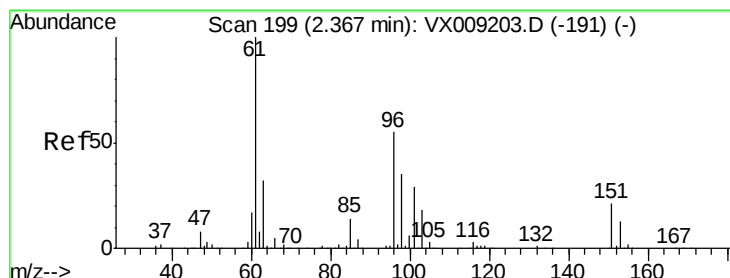
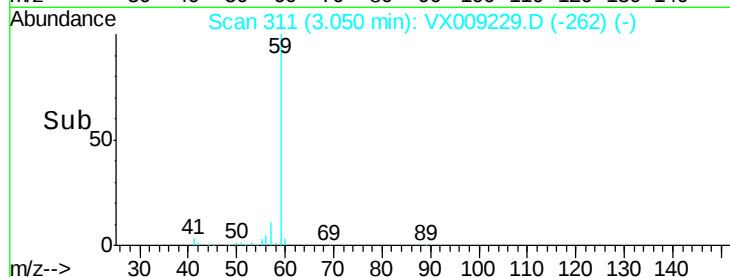
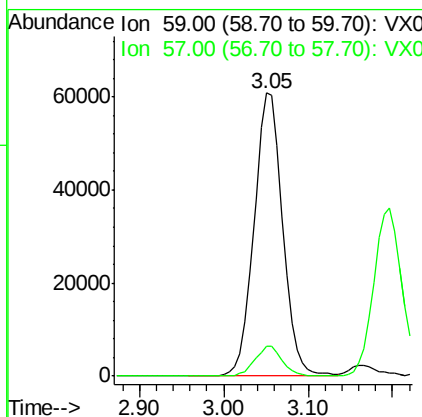
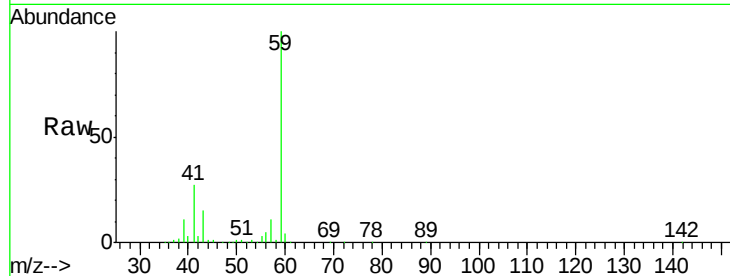
#11
Tert butyl alcohol
Concen: 231.668 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX009229.D
Acq: 29 Apr 2019 23:46

Instrument :
MSVOA_X
ClientSampleId :
WP021MW038-190423MS

Tot Ion: 59 Resp: 141028
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.2

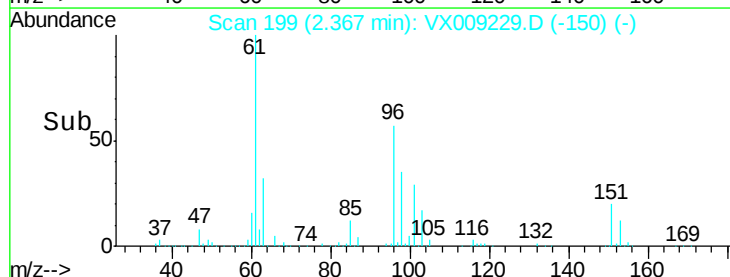
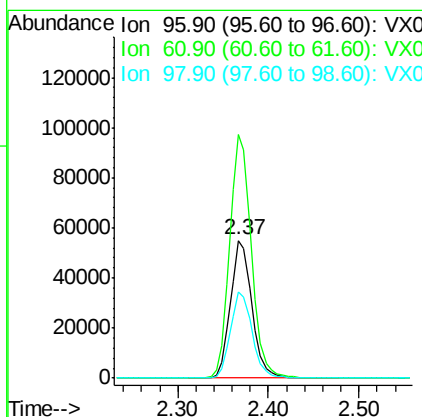
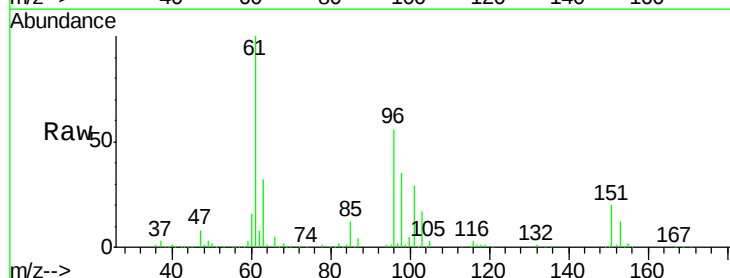
Manual Integrations
APPROVED

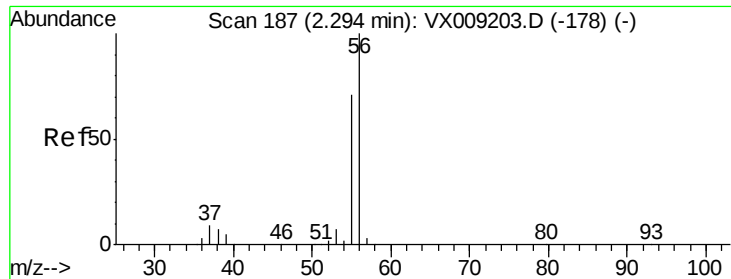
MMDadoda
4/30/2019 11:04:00 AM



#12
1,1-Dichloroethene
Concen: 49.859 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX009229.D
Acq: 29 Apr 2019 23:46

Tgt Ion: 96 Resp: 90125
Ion Ratio Lower Upper
96 100
61 177.0 144.3 216.5
98 62.4 50.3 75.5





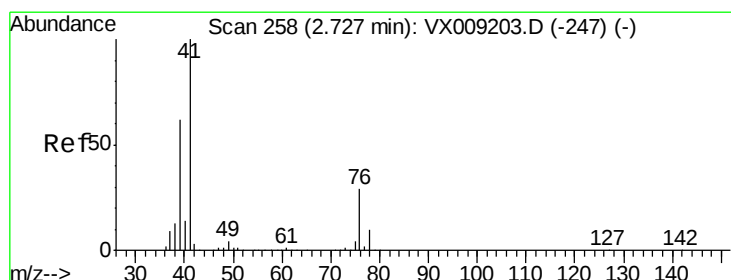
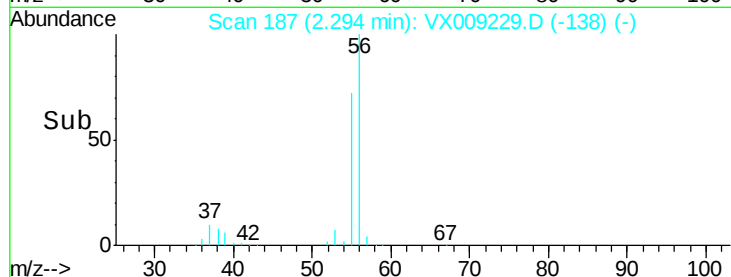
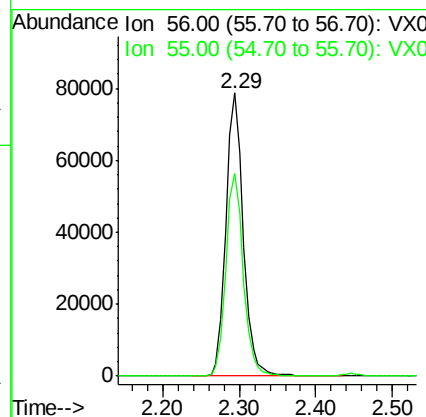
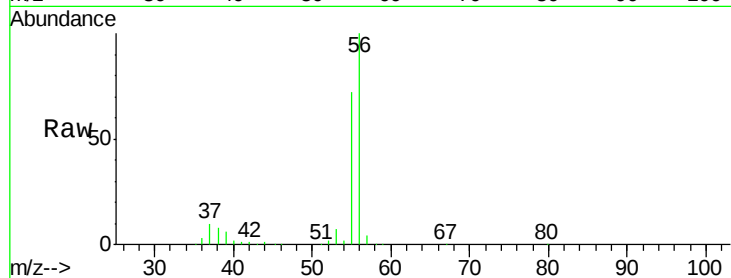
#13
Acrolein
Concen: 224.986 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009229.D
Acq: 29 Apr 2019 23:46

Instrument :
MSVOA_X
ClientSampleId :
WP021MW038-190423MS

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.5	56.6	85.0

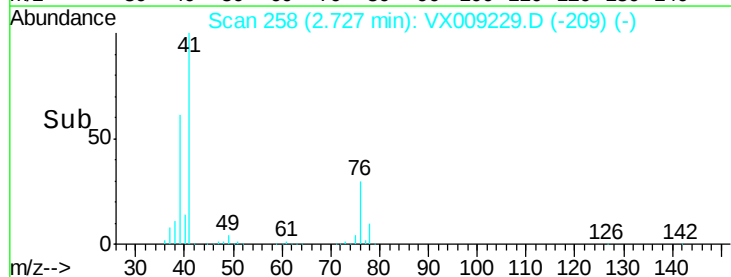
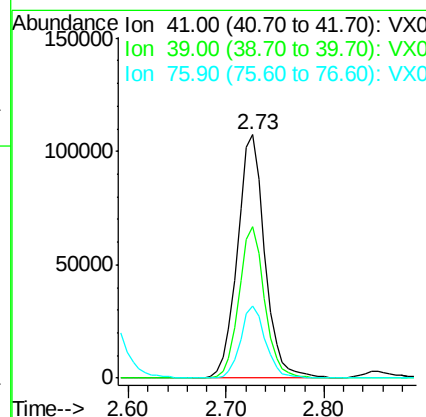
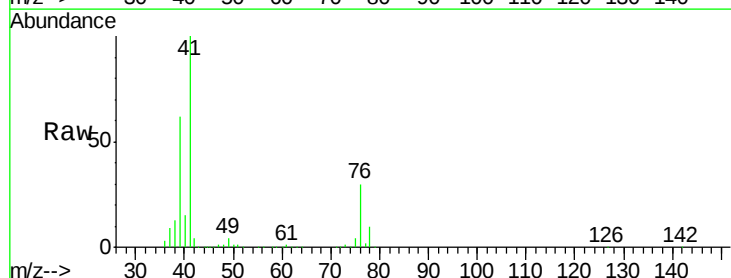
Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:04:00 AM



#14
Allyl chloride
Concen: 47.284 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX009229.D
Acq: 29 Apr 2019 23:46

Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.4	46.7	70.1
76	27.5	21.8	32.8





#15

Acrylonitrile

Concen: 249.232 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

Instrument :

MSVOA_X

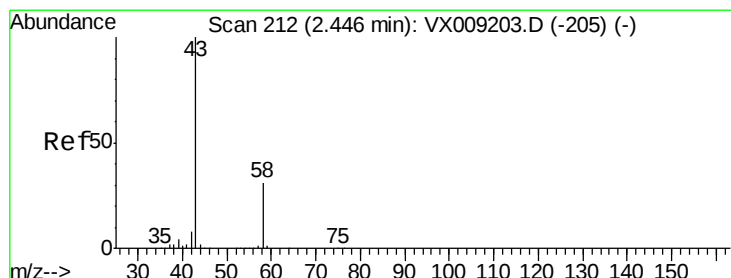
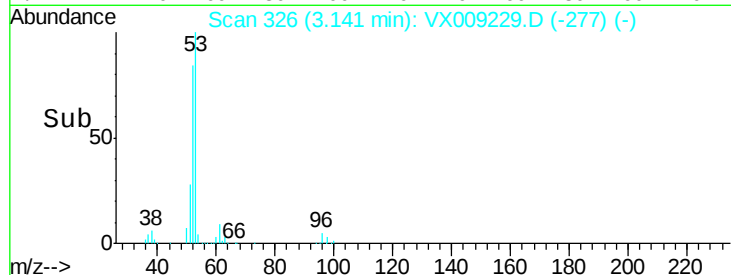
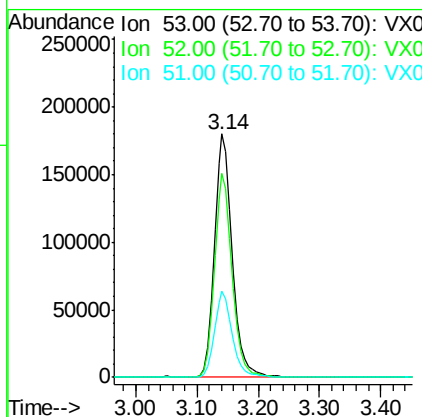
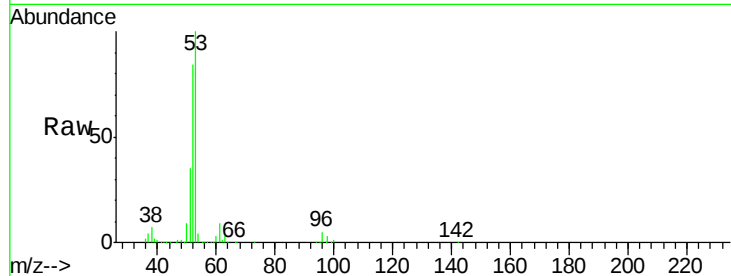
ClientSampleId :

WP021MW038-190423MS

Tot Ion:	53	Resp:	370967
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.9	100.3
51	35.4	28.2	42.2

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:04:00 AM



#16

Acetone

Concen: 218.584 ug/l

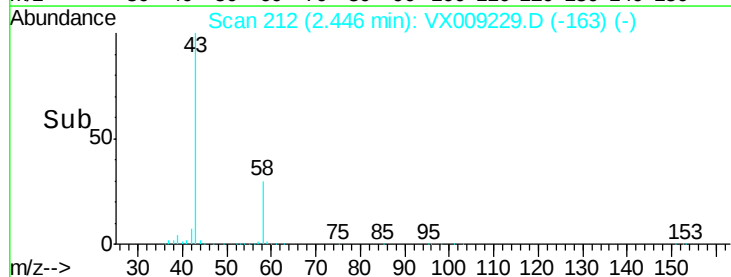
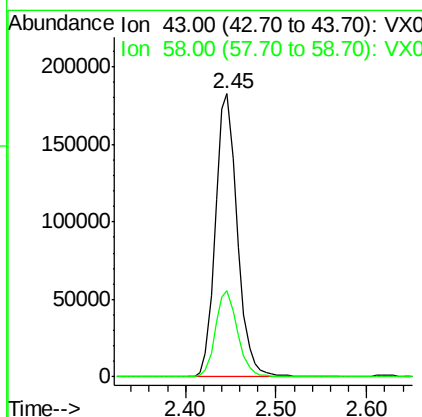
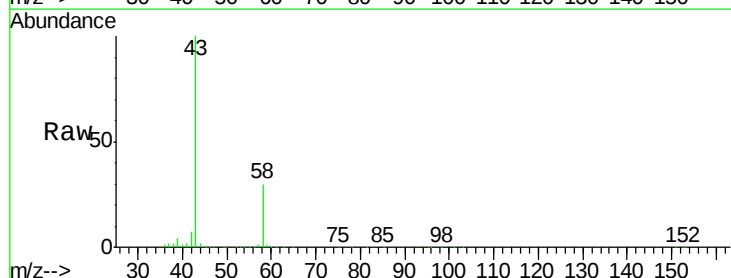
RT: 2.45 min Scan# 212

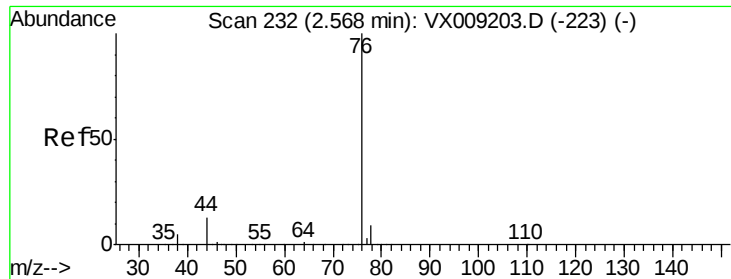
Delta R.T. 0.00 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

Tgt Ion:	43	Resp:	308671
Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.9	37.3





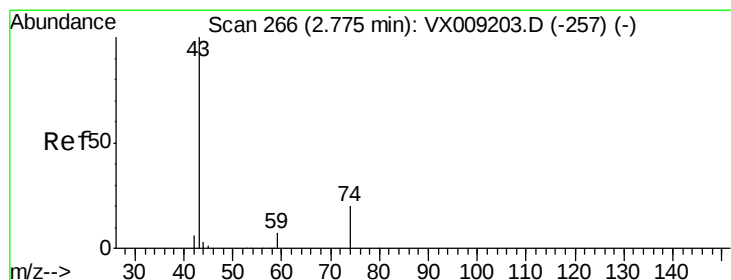
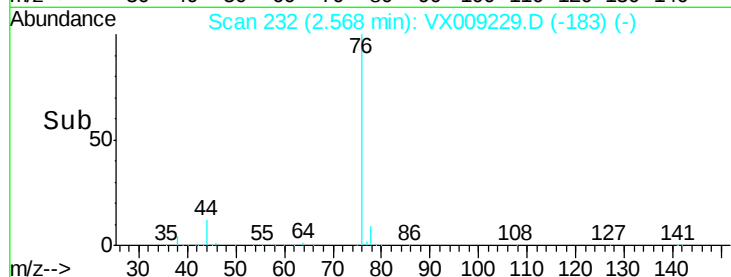
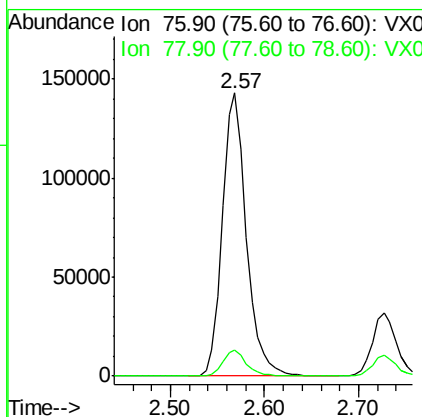
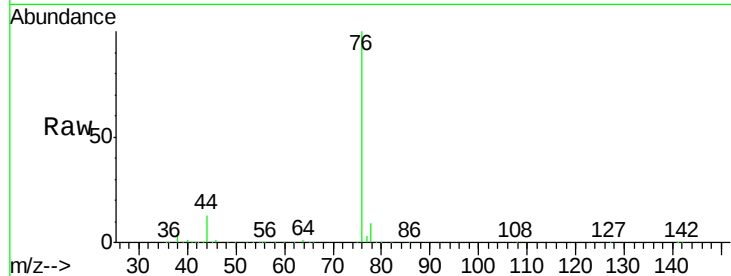
#17
Carbon Disulfide
Concen: 49.718 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009229.D
Acq: 29 Apr 2019 23:46

Instrument :
MSVOA_X
ClientSampleId :
WP021MW038-190423MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

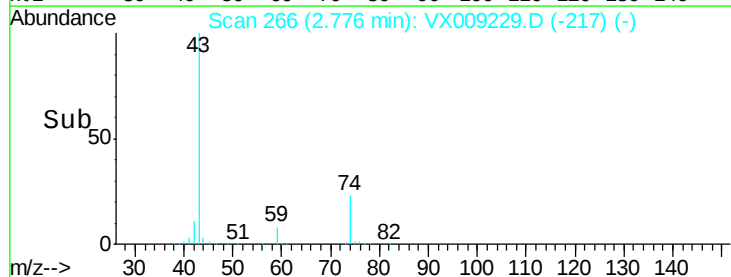
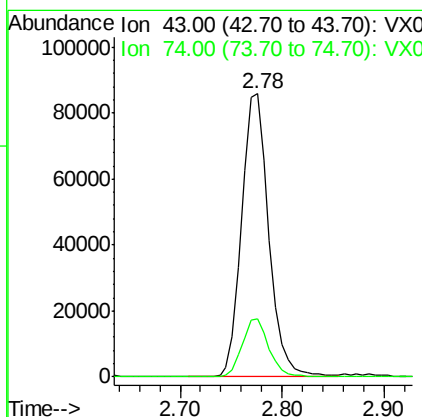
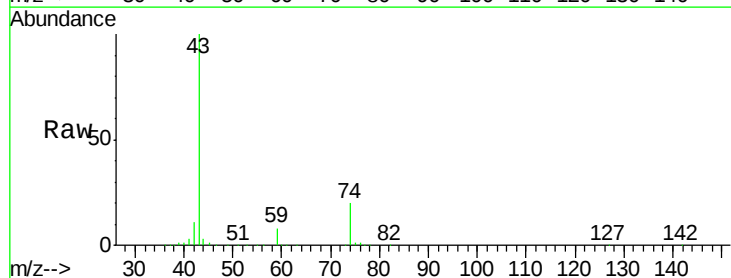
Manual Integrations
APPROVED

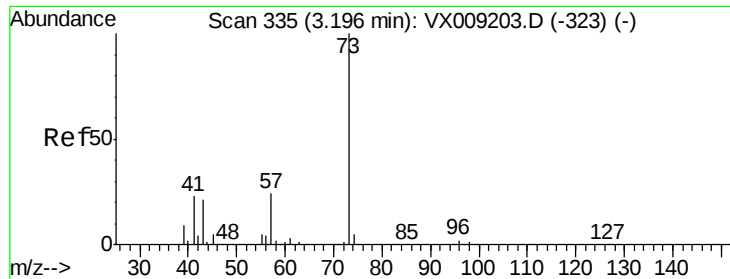
MMDadoda
4/30/2019 11:04:00 AM



#18
Methyl Acetate
Concen: 47.167 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009229.D
Acq: 29 Apr 2019 23:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.5	16.2	24.4





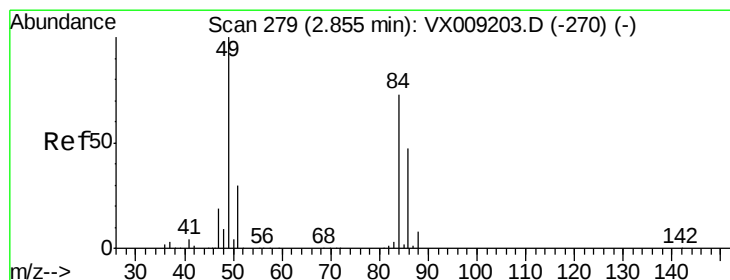
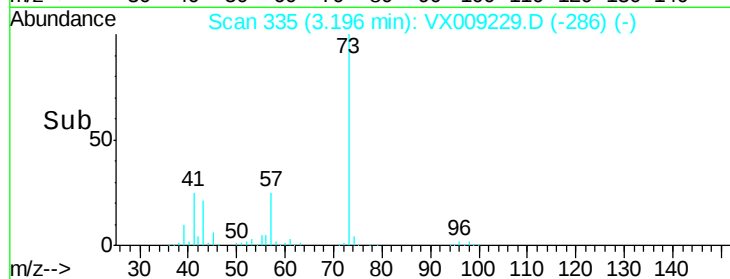
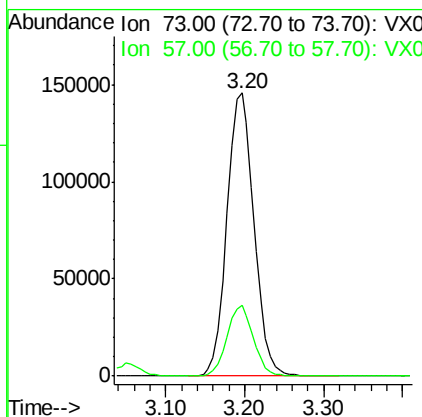
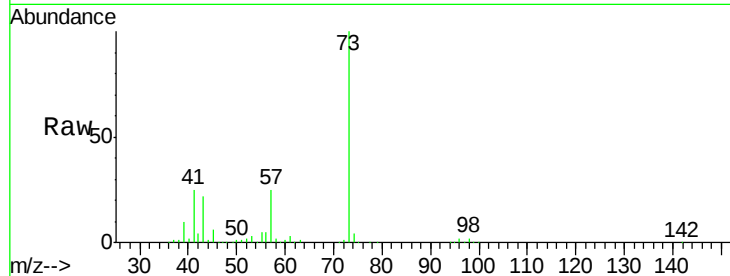
#19
Methyl tert-butyl Ether
Concen: 49.404 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009229.D
Acq: 29 Apr 2019 23:46

Instrument :
MSVOA_X
ClientSampleId :
WP021MW038-190423MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.8	19.3	28.9

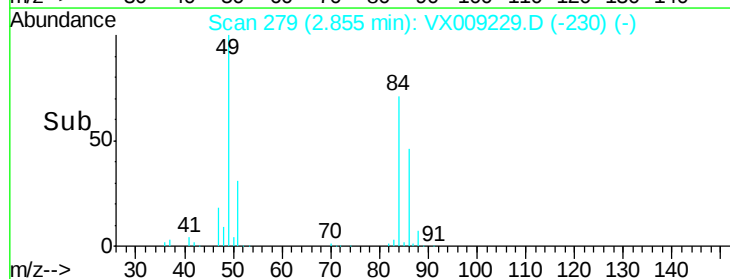
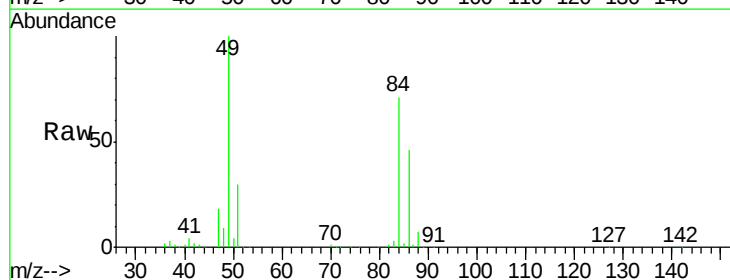
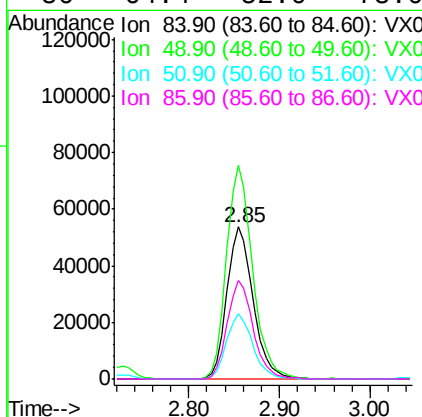
Manual Integrations
APPROVED

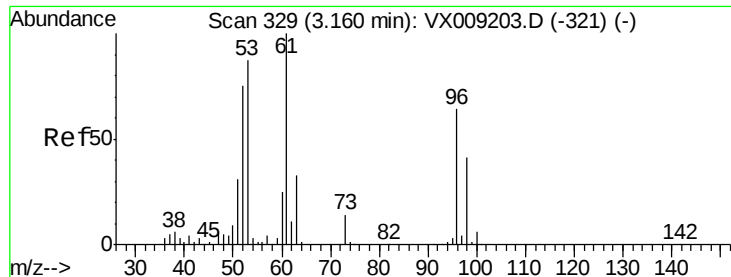
MMDadoda
4/30/2019 11:04:00 AM



#20
Methylene Chloride
Concen: 47.320 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009229.D
Acq: 29 Apr 2019 23:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	140.0	109.9	164.9
51	42.7	32.7	49.1
86	64.4	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 49.037 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

Instrument :

MSVOA_X

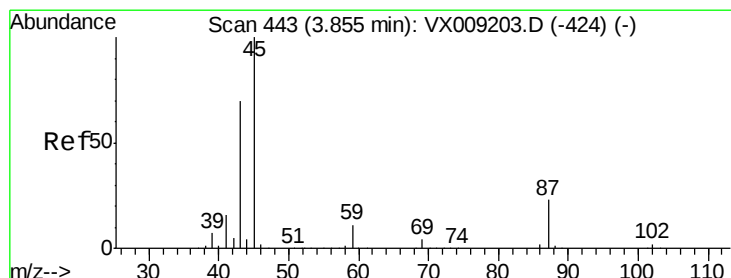
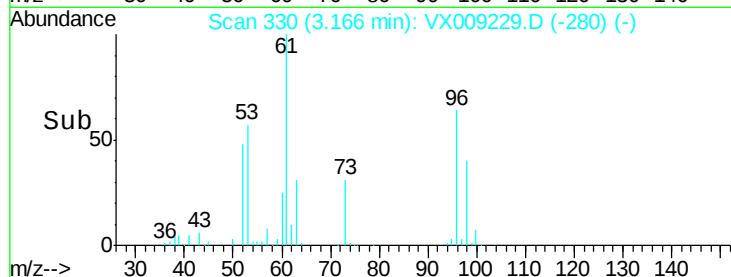
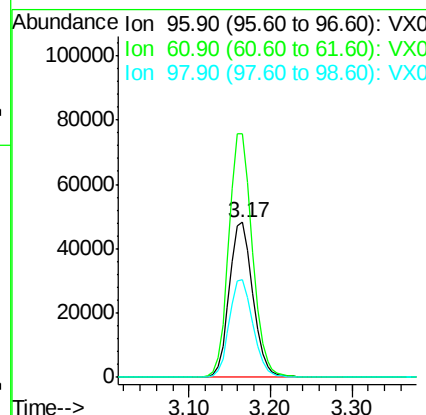
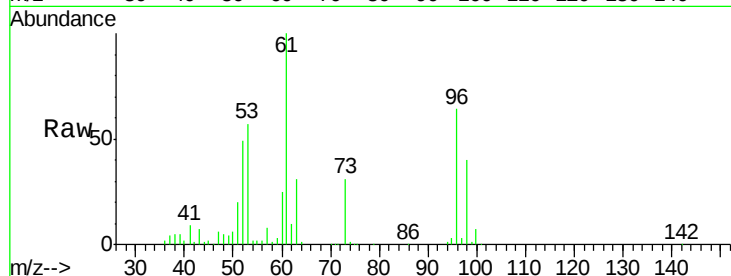
ClientSampleId :

WP021MW038-190423MS

Tot Ion:	96	Resp:	96129
Ion	Ratio	Lower	Upper
96	100		
61	157.0	124.5	186.7
98	63.4	50.4	75.6

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:04:00 AM



#22

Diisopropyl ether

Concen: 49.985 ug/l

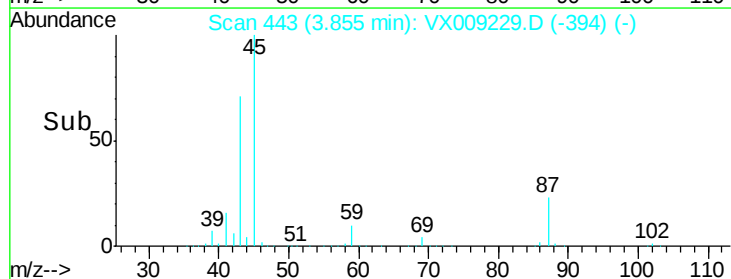
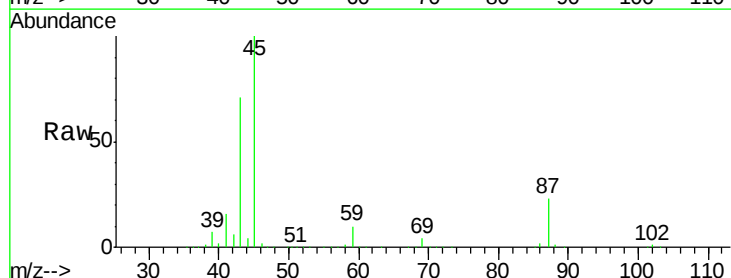
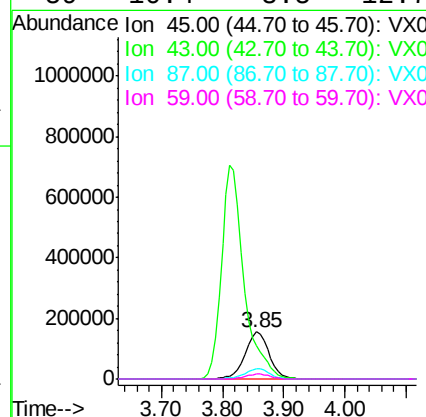
RT: 3.85 min Scan# 443

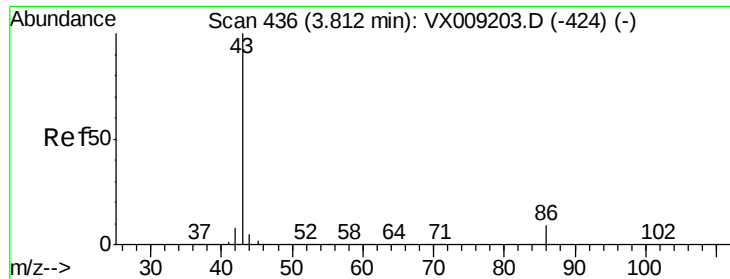
Delta R.T. 0.00 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

Tgt Ion:	45	Resp:	423450
Ion	Ratio	Lower	Upper
45	100		
43	70.9	56.1	84.1
87	22.5	18.1	27.1
59	10.4	8.5	12.7





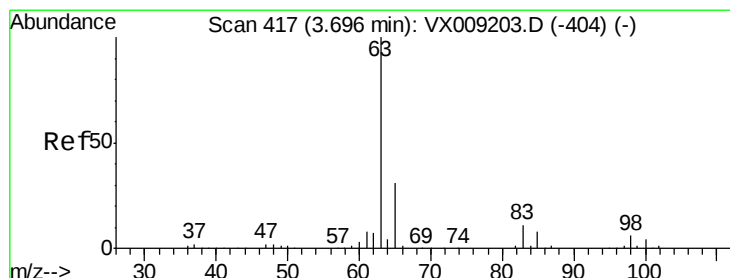
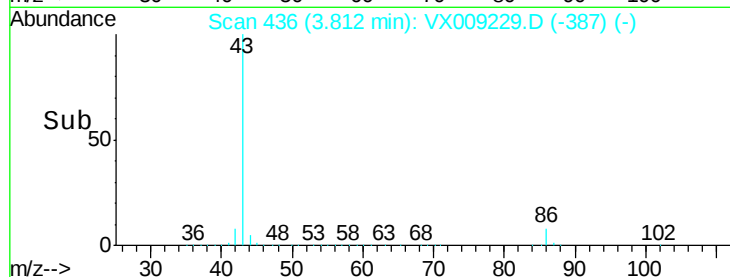
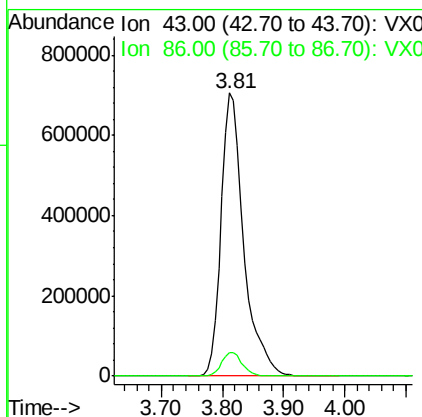
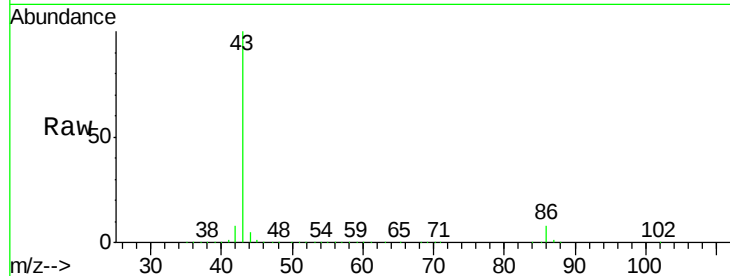
#23
 Vinyl Acetate
 Concen: 250.886 ug/l
 RT: 3.81 min Scan# 436
 Delta R.T. 0.00 min
 Lab File: VX009229.D
 Acq: 29 Apr 2019 23:46

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW038-190423MS

Tot Ion: 43 Resp: 1819999
 Ion Ratio Lower Upper
 43 100
 86 8.4 6.9 10.3

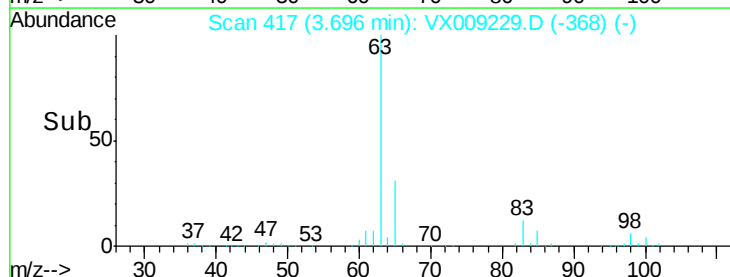
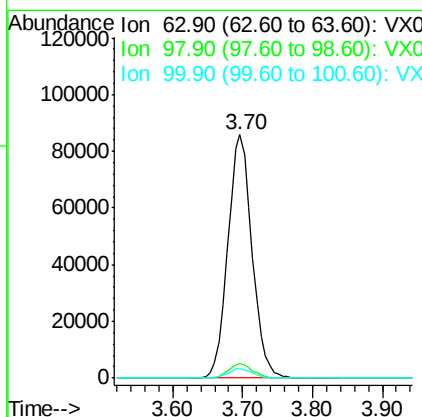
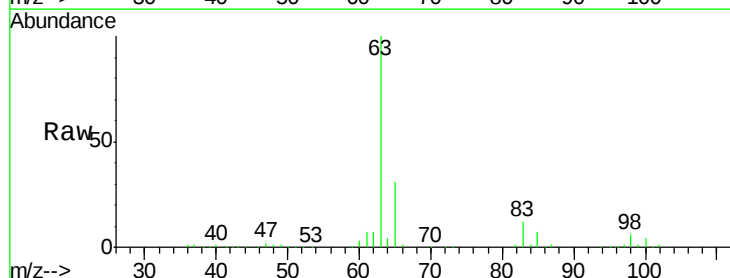
Manual Integrations
 APPROVED

MMDadoda
 4/30/2019 11:04:00 AM



#24
 1,1-Dichloroethane
 Concen: 49.164 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: VX009229.D
 Acq: 29 Apr 2019 23:46

Tgt Ion: 63 Resp: 205461
 Ion Ratio Lower Upper
 63 100
 98 5.8 3.0 9.2
 100 3.7 2.0 6.0





#25

2-Butanone

Concen: 246.036 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

Instrument :

MSVOA_X

ClientSampleId :

WP021MW038-190423MS

Tot Ion: 43 Resp: 539907

Ion Ratio Lower Upper

43 100

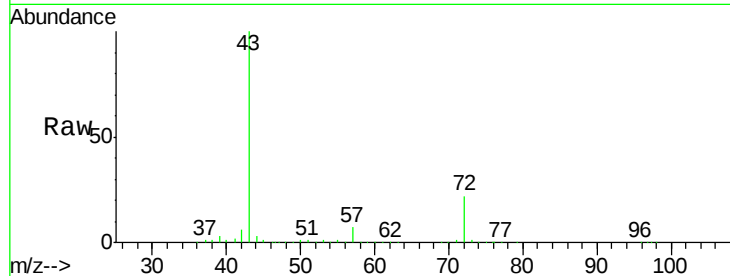
72 22.4 18.2 27.2

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:04:00 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

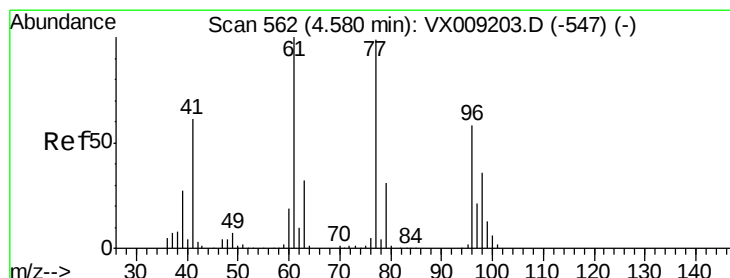
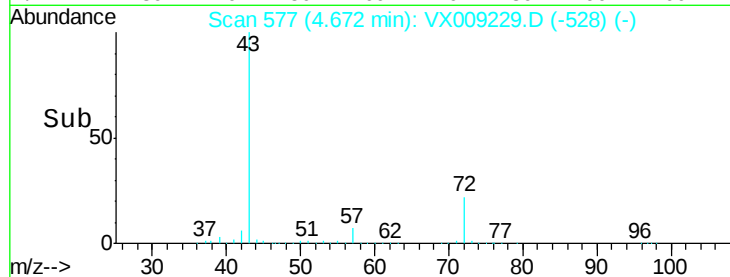
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 38.867 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009229.D

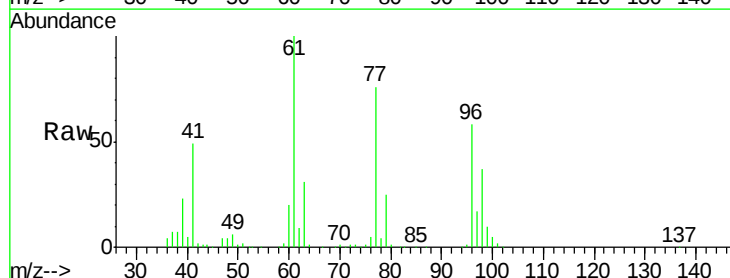
Acq: 29 Apr 2019 23:46

Tgt Ion: 77 Resp: 120902

Ion Ratio Lower Upper

77 100

97 24.1 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

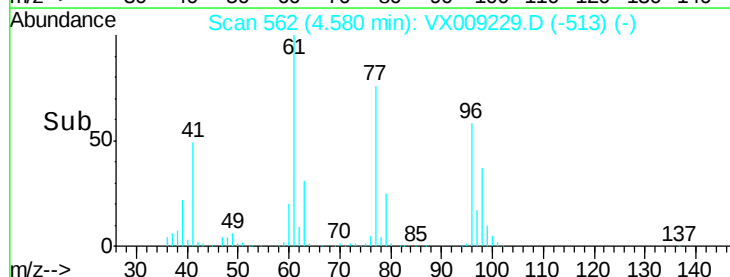
20000

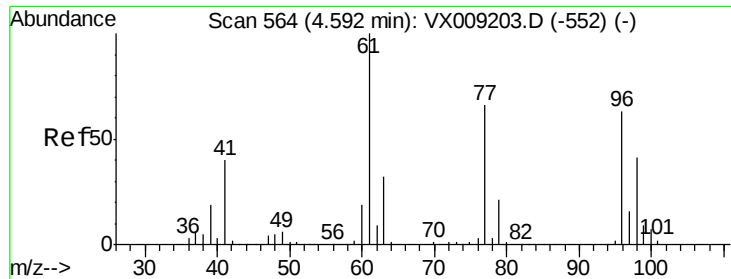
10000

0

4.50 4.60 4.70

Time-->





#27

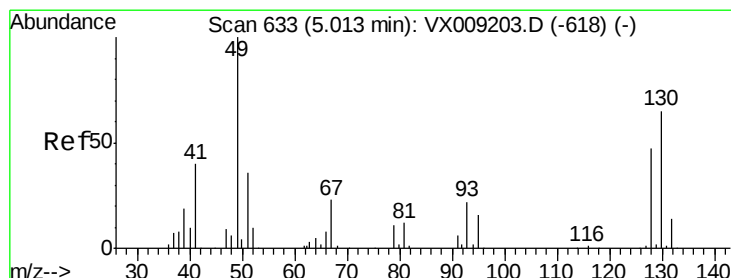
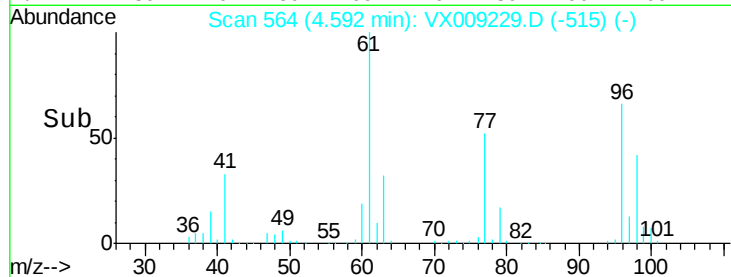
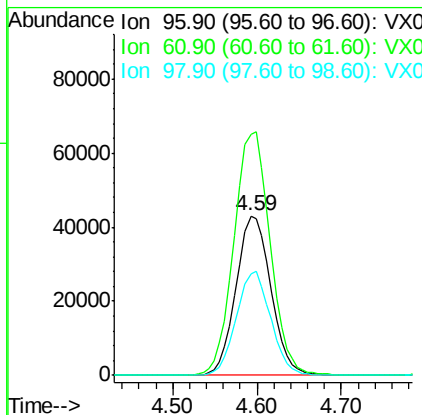
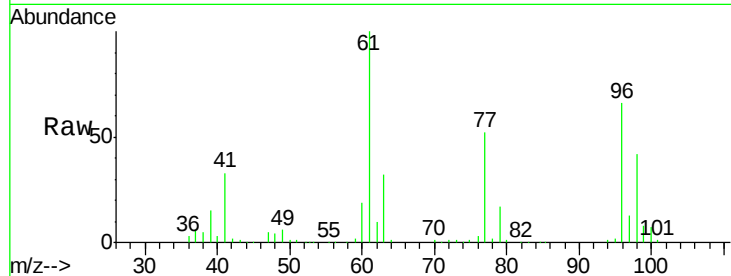
cis-1,2-Dichloroethene
Concen: 51.624 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX009229.D
Acq: 29 Apr 2019 23:46

Instrument :
MSVOA_X
ClientSampleId :
WP021MW038-190423MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	120794		
61	159.0	0.0	324.0	
98	64.6	0.0	130.4	

Manual Integrations
APPROVED

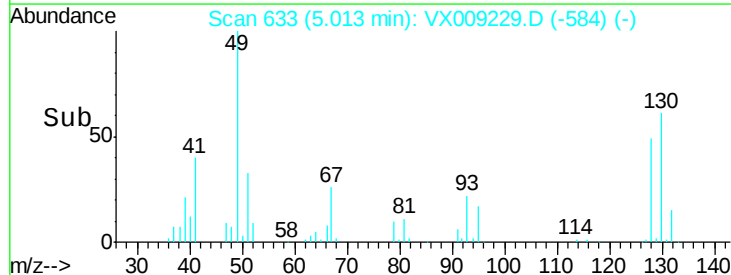
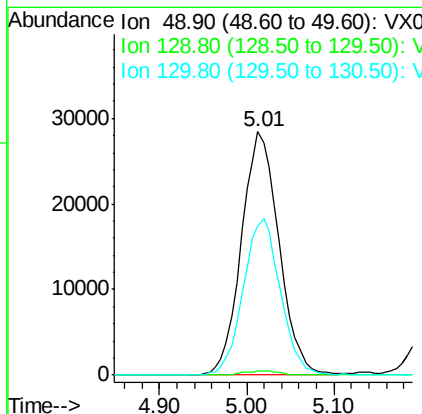
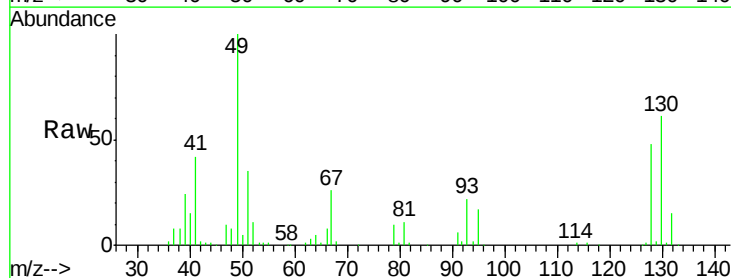
MMDadoda
4/30/2019 11:04:00 AM

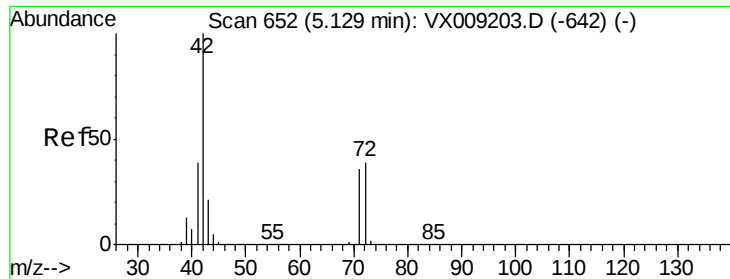


#28

Bromochloromethane
Concen: 50.607 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009229.D
Acq: 29 Apr 2019 23:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	85080		
129	1.7	0.0	3.8	
130	63.4	51.2	76.8	





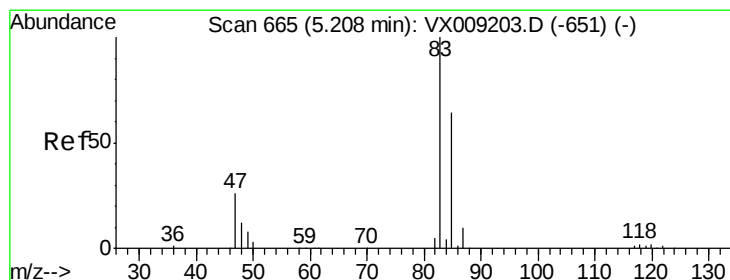
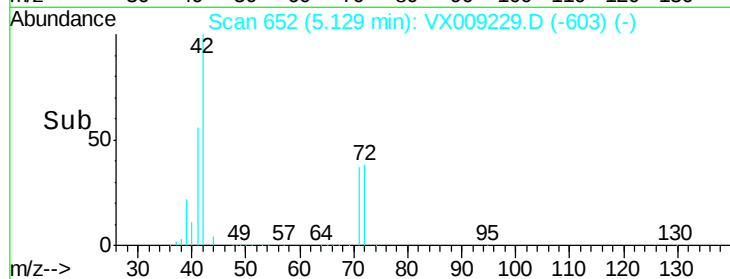
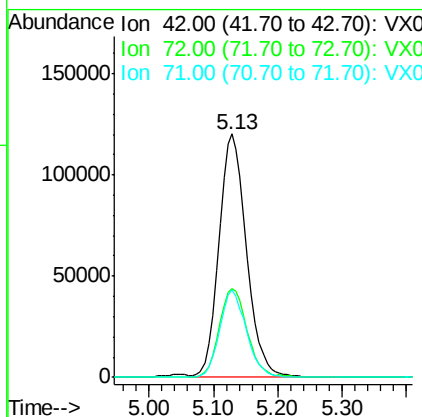
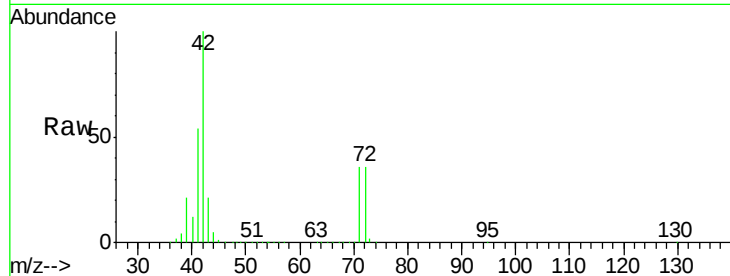
#29
Tetrahydrofuran
Concen: 255.033 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009229.D
Acq: 29 Apr 2019 23:46

Instrument :
MSVOA_X
ClientSampleId :
WP021MW038-190423MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	30.4	45.6
71	35.2	28.6	43.0

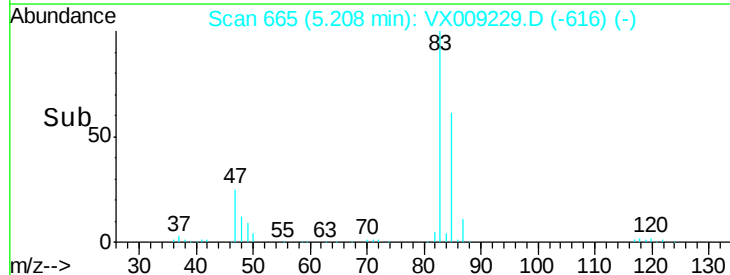
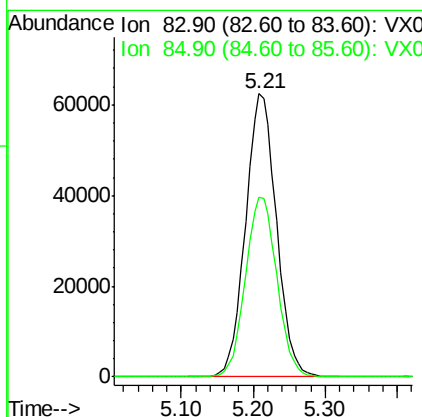
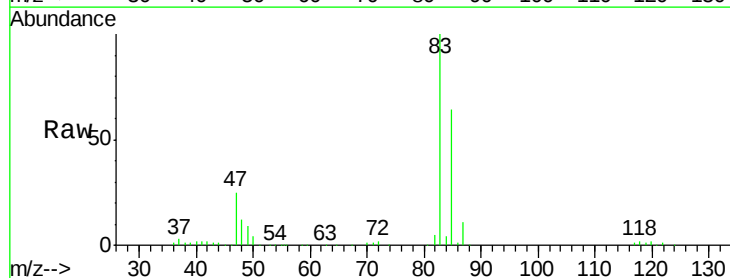
Manual Integrations
APPROVED

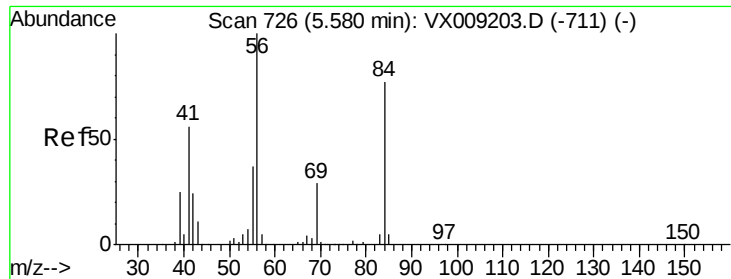
MMDadoda
4/30/2019 11:04:00 AM



#30
Chloroform
Concen: 49.135 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009229.D
Acq: 29 Apr 2019 23:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.5	77.3





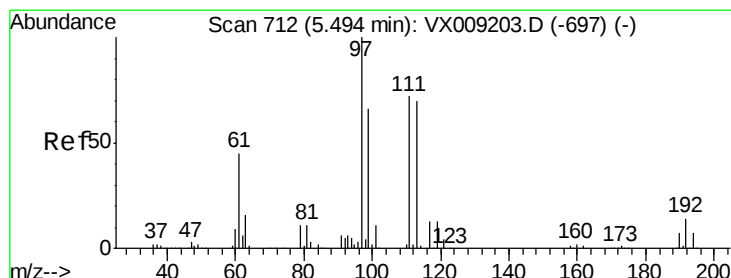
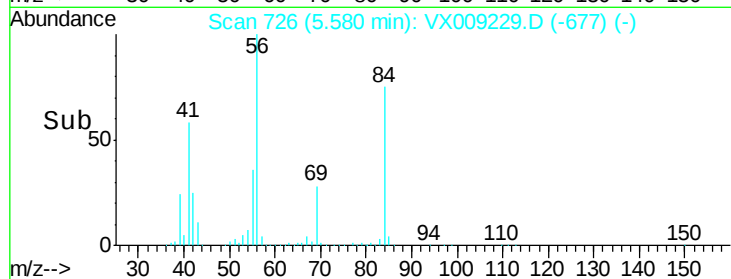
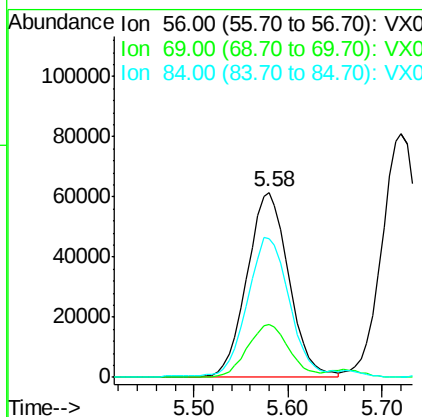
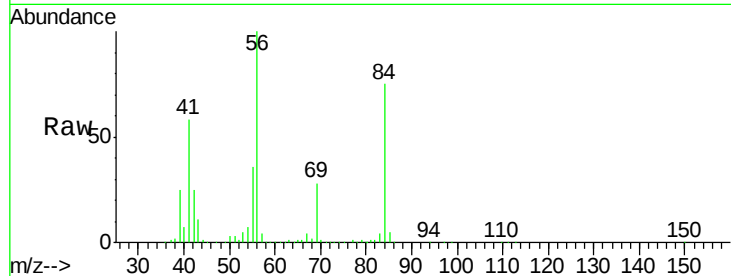
#31
Cyclohexane
Concen: 49.167 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX009229.D
Acq: 29 Apr 2019 23:46

Instrument :
MSVOA_X
ClientSampleId :
WP021MW038-190423MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.2	23.4	35.0
84	73.8	61.9	92.9

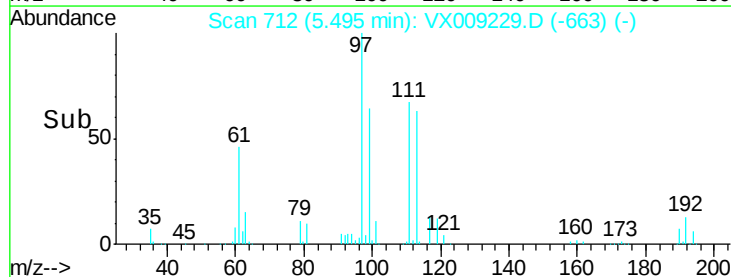
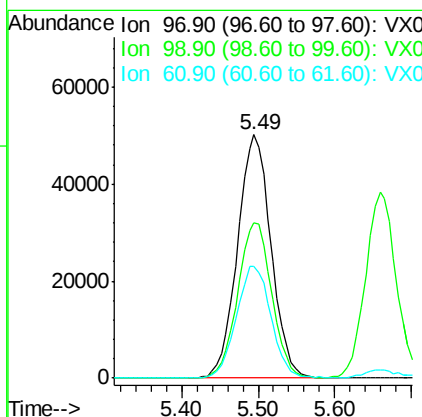
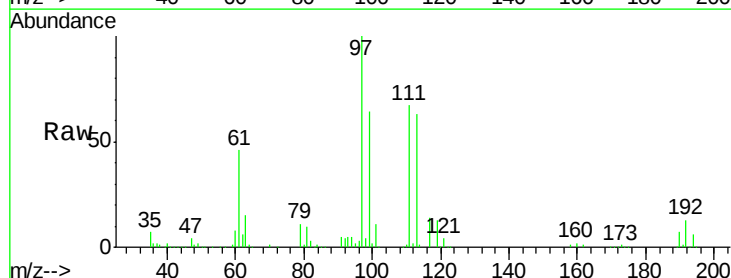
Manual Integrations
APPROVED

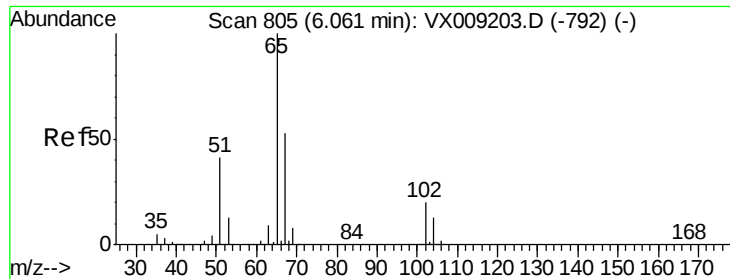
MMDadoda
4/30/2019 11:04:00 AM



#32
1,1,1-Trichloroethane
Concen: 48.459 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX009229.D
Acq: 29 Apr 2019 23:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.8	77.8
61	47.6	37.8	56.8





#33

1,2-Dichloroethane-d4

Concen: 47.950 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

Instrument :

MSVOA_X

ClientSampleId :

WP021MW038-190423MS

Tot Ion: 65 Resp: 126103

Ion Ratio Lower Upper

65 100

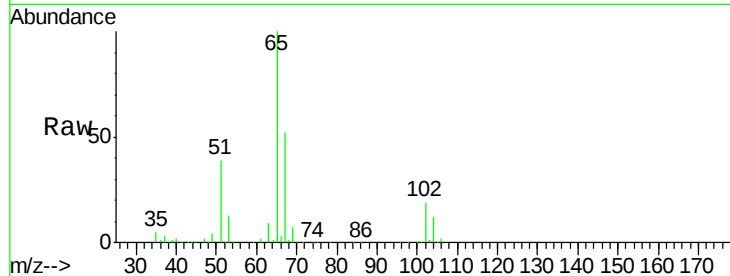
67 53.9 0.0 106.6

Manual Integrations

APPROVED

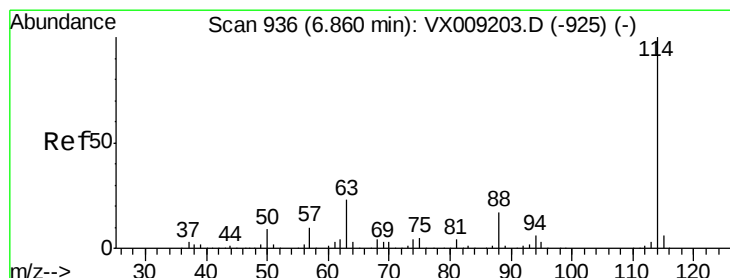
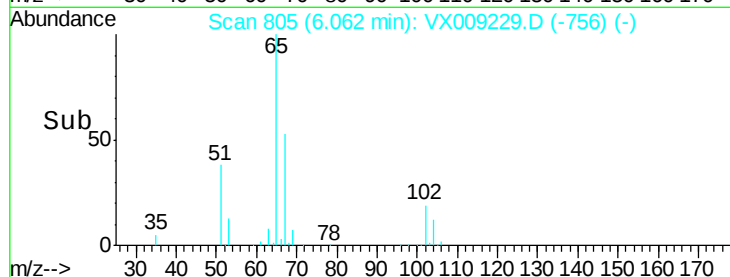
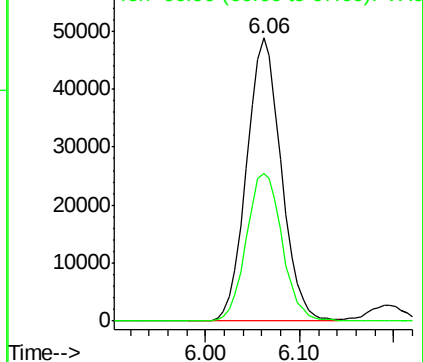
MMDadoda

4/30/2019 11:04:00 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: VX009229.D

Acq: 29 Apr 2019 23:46

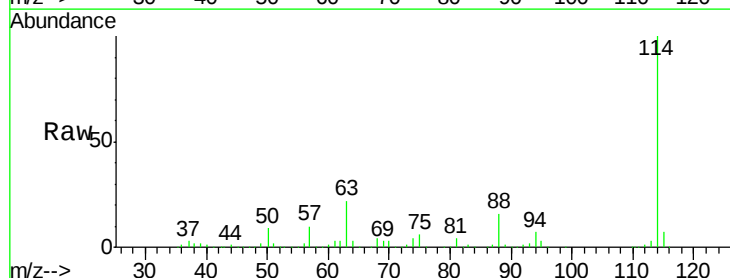
Tgt Ion: 114 Resp: 322321

Ion Ratio Lower Upper

114 100

63 22.0 0.0 45.6

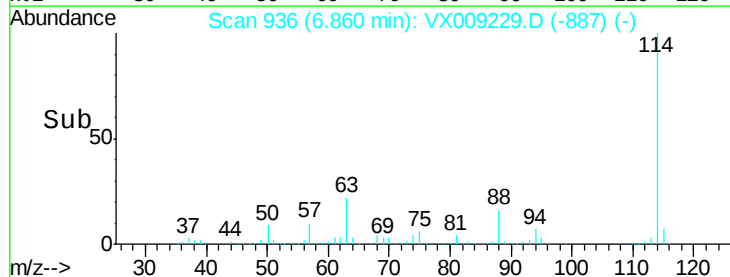
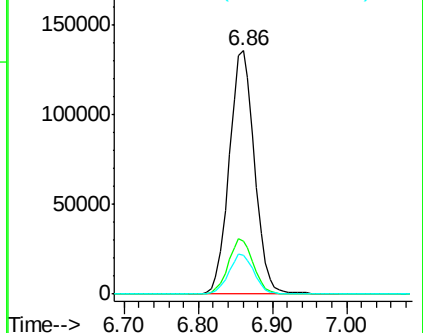
88 15.9 0.0 33.2



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





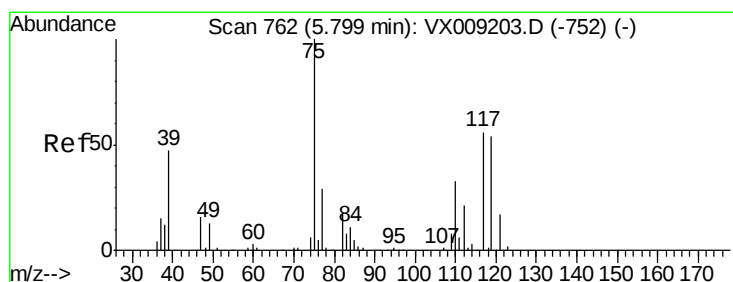
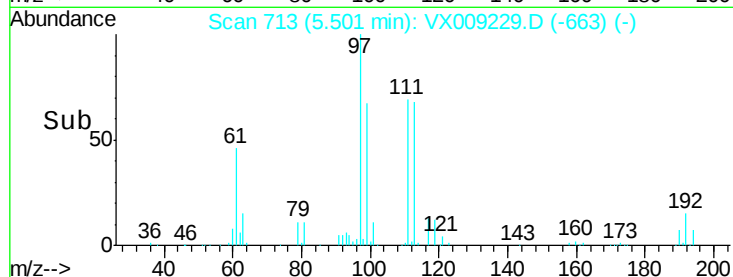
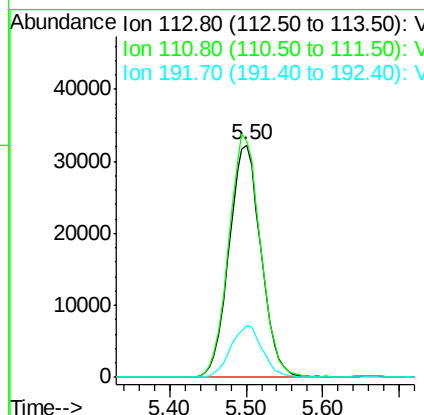
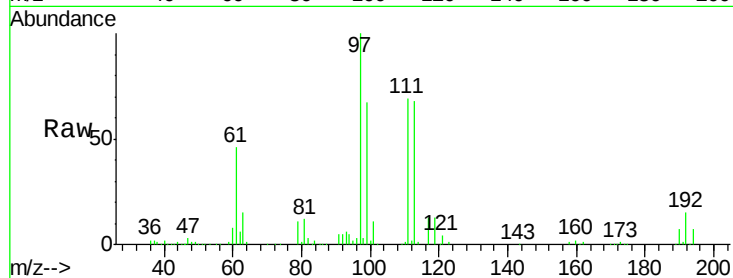
#35
Dibromofluoromethane
Concen: 46.055 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX009229.D
Acq: 29 Apr 2019 23:46

Instrument :
MSVOA_X
ClientSampleId :
WP021MW038-190423MS

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.8	124.2
192	21.9	17.0	25.6

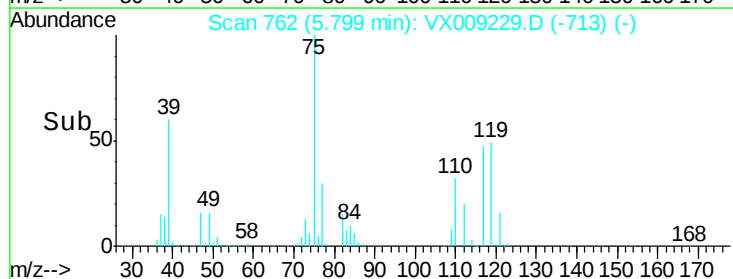
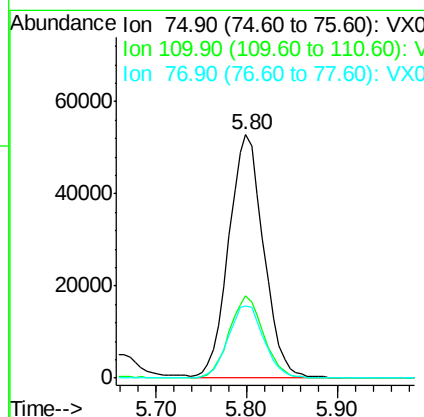
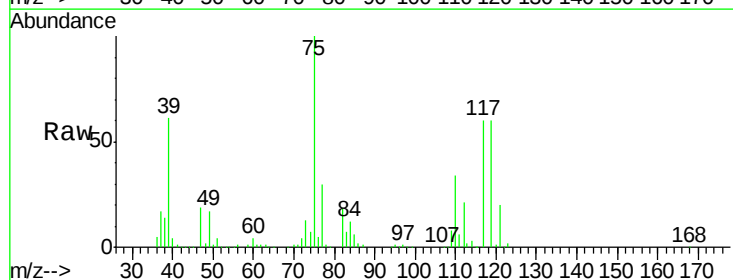
Manual Integrations
APPROVED

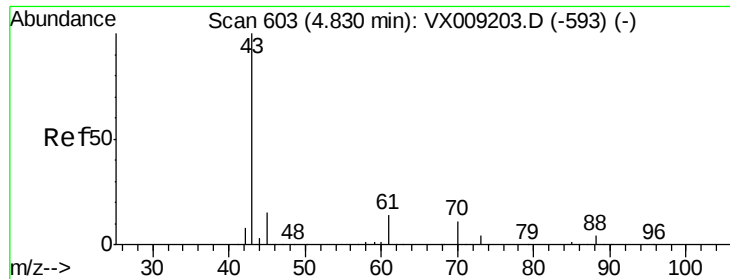
MMDadoda
4/30/2019 11:04:00 AM



#36
1,1-Dichloropropene
Concen: 46.811 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX009229.D
Acq: 29 Apr 2019 23:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.6
77	31.0	24.8	37.2





#37

Ethyl Acetate

Concen: 47.945 ug/l

RT: 4.83 min Scan# 603

Delta R.T. 0.00 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

Instrument :

MSVOA_X

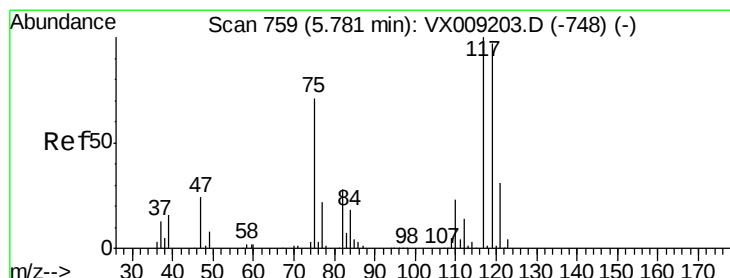
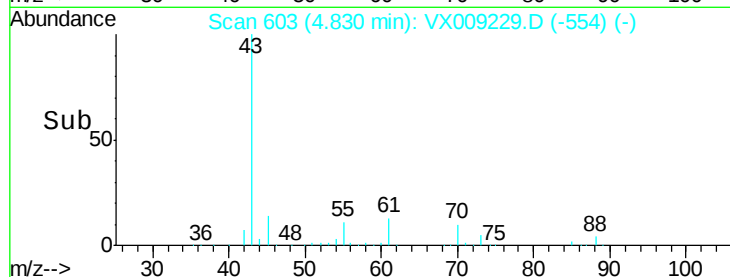
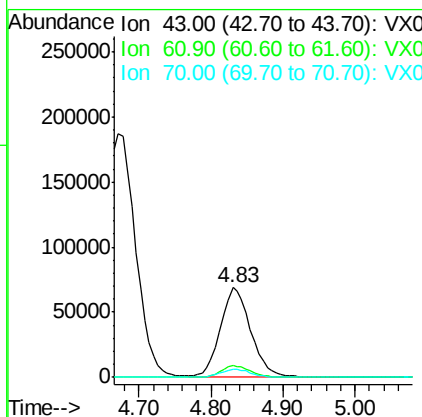
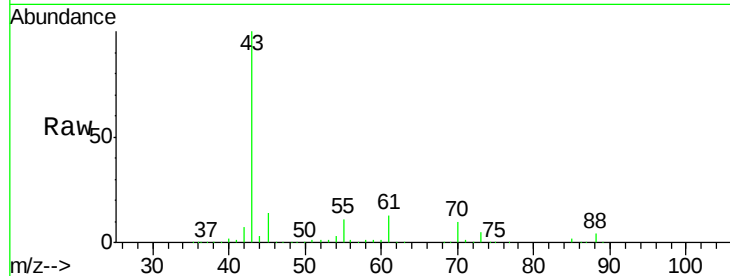
ClientSampleId :

WP021MW038-190423MS

Tot Ion:	43	Resp:	200095
Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.5	15.7
70	9.4	7.9	11.9

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:04:00 AM



#38

Carbon Tetrachloride

Concen: 46.247 ug/l

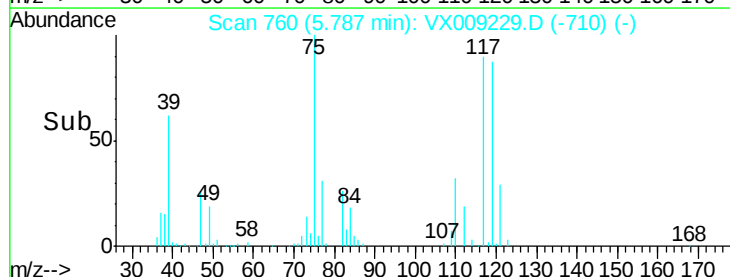
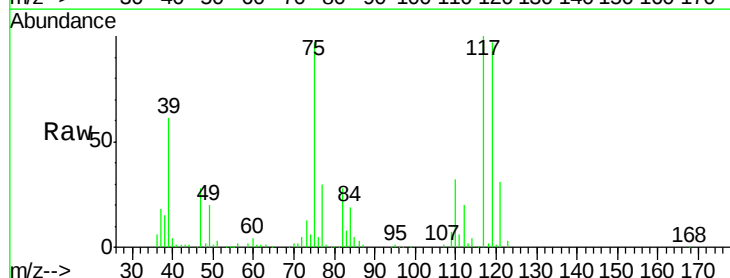
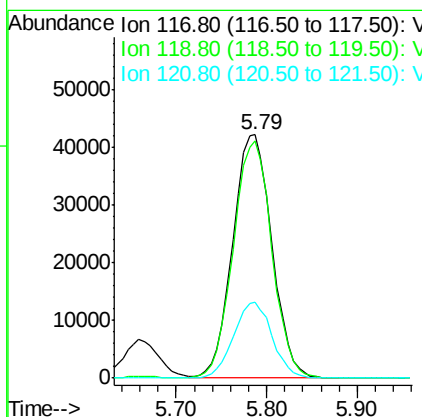
RT: 5.79 min Scan# 760

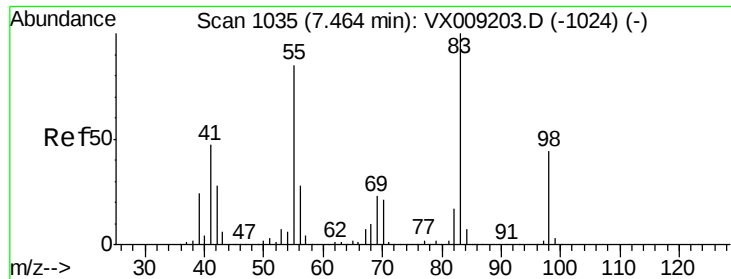
Delta R.T. 0.01 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

Tgt Ion:	117	Resp:	125860
Ion	Ratio	Lower	Upper
117	100		
119	97.3	77.5	116.3
121	31.5	24.7	37.1





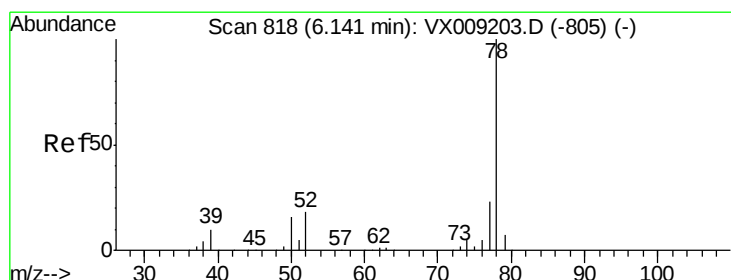
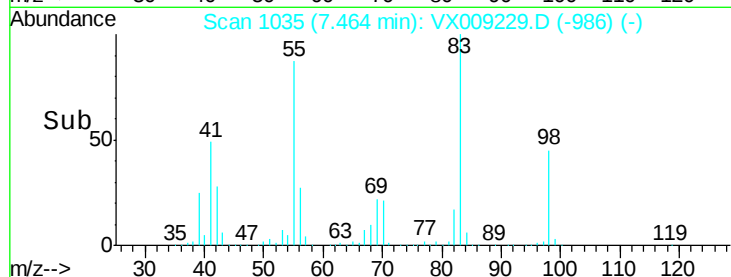
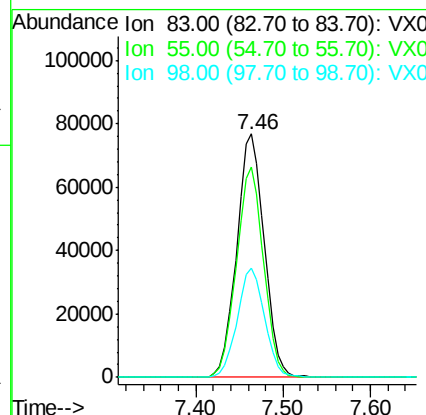
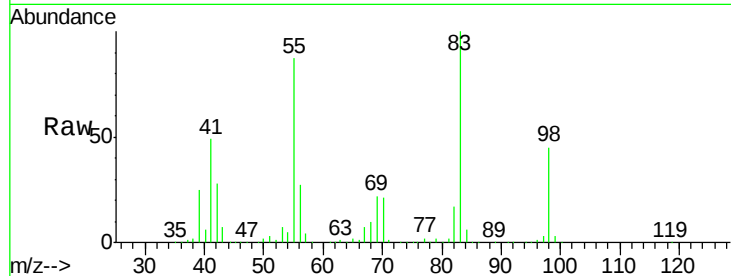
#39
Methvlcvclohexane
Concen: 45.615 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009229.D
Acq: 29 Apr 2019 23:46

Instrument :
MSVOA_X
ClientSampleId :
WP021MW038-190423MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.4	67.7	101.5
98	44.8	35.5	53.3

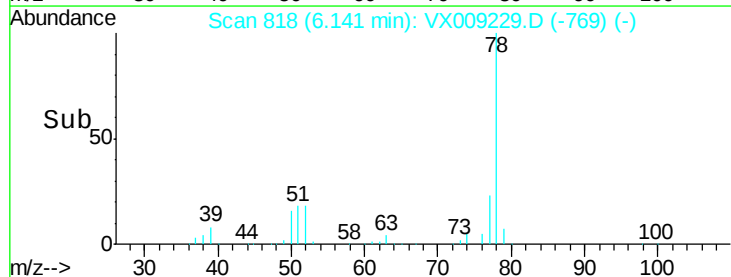
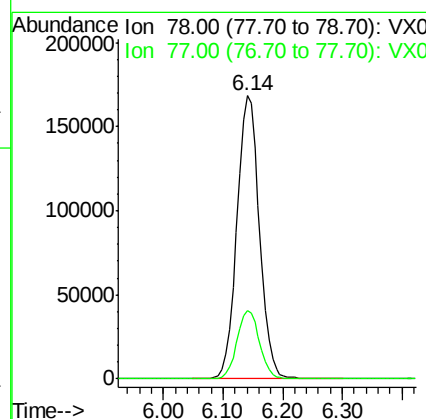
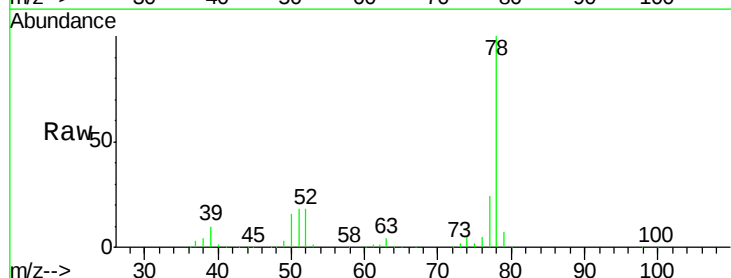
Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:04:00 AM



#40
Benzene
Concen: 47.621 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009229.D
Acq: 29 Apr 2019 23:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2





#41

Methacrylonitrile

Concen: 47.732 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

Instrument :

MSVOA_X

ClientSampleId :

WP021MW038-190423MS

Tot Ion: 41 Resp: 118582

Ion Ratio Lower Upper

41 100

39 52.6 42.0 63.0

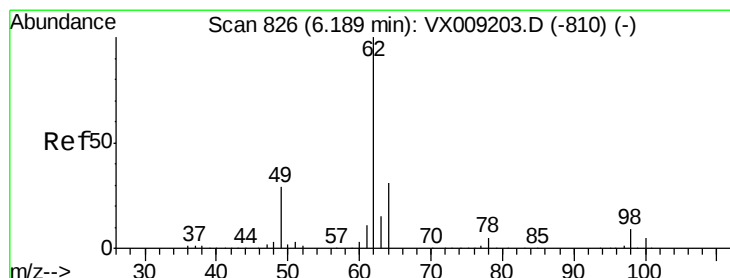
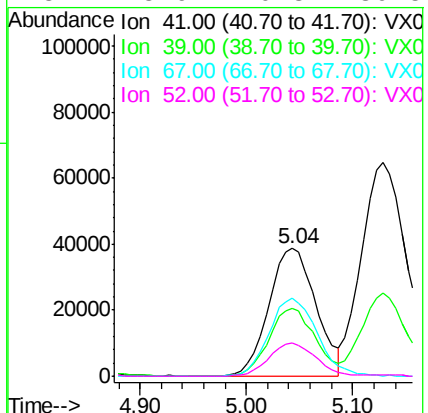
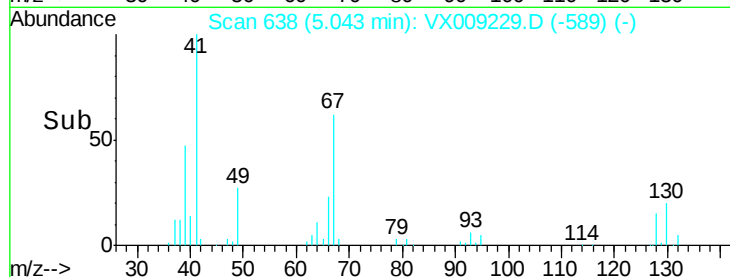
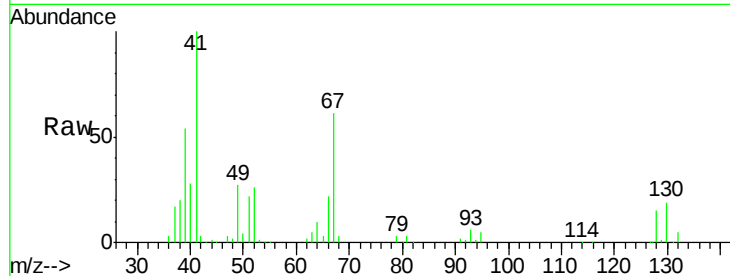
67 62.4 49.8 74.8

52 25.9 20.3 30.5

Manual Integrations
APPROVED

MMDadoda

4/30/2019 11:04:00 AM



#42

1,2-Dichloroethane

Concen: 47.545 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

Lab File: VX009229.D

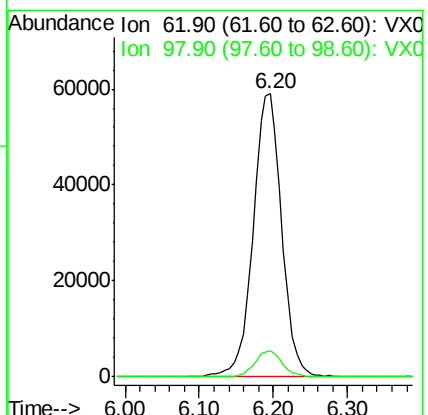
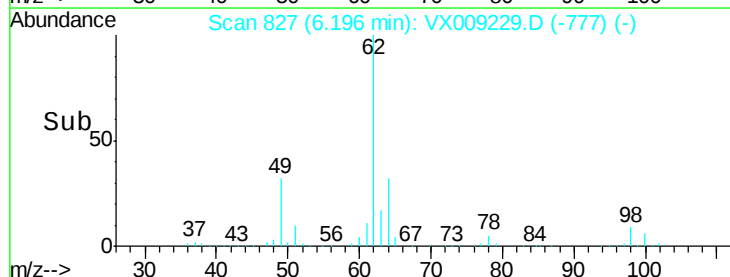
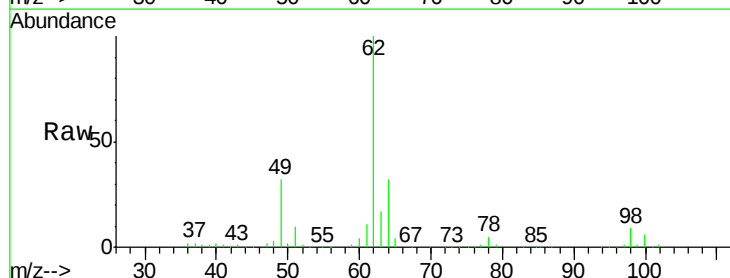
Acq: 29 Apr 2019 23:46

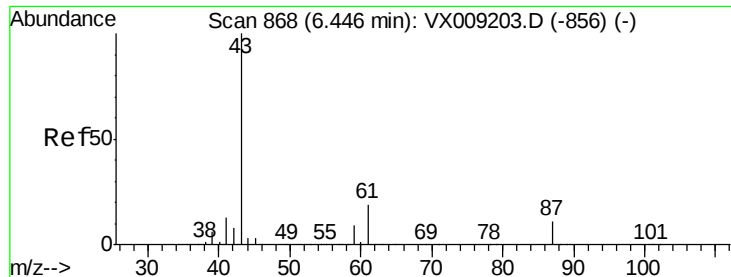
Tgt Ion: 62 Resp: 158103

Ion Ratio Lower Upper

62 100

98 8.9 0.0 18.2





#43

Isopropyl Acetate

Concen: 47.961 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

Instrument :

MSVOA_X

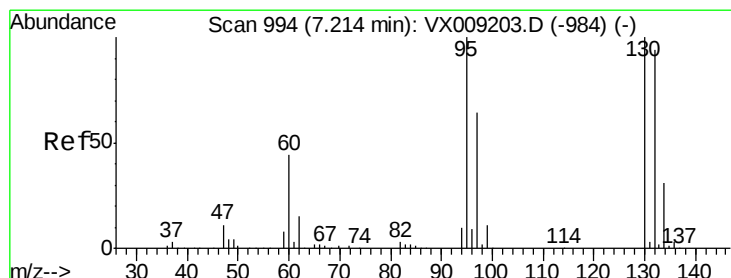
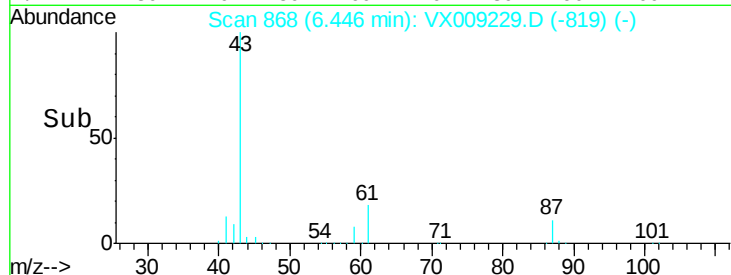
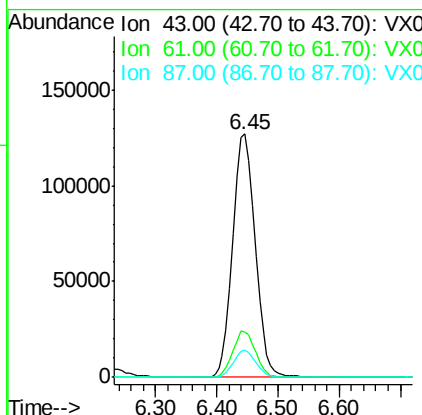
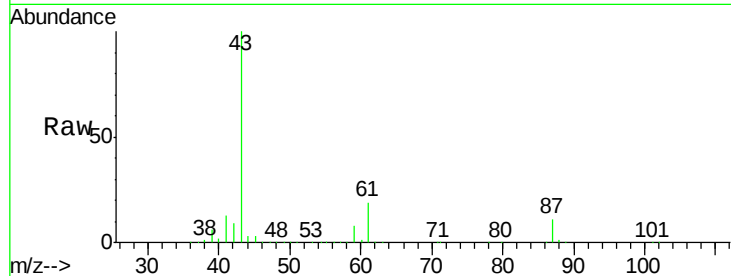
ClientSampleId :

WP021MW038-190423MS

Tot Ion:	43	Resp:	320168
Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.1	22.7
87	11.2	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:04:00 AM



#44

Trichloroethene

Concen: 45.990 ug/l

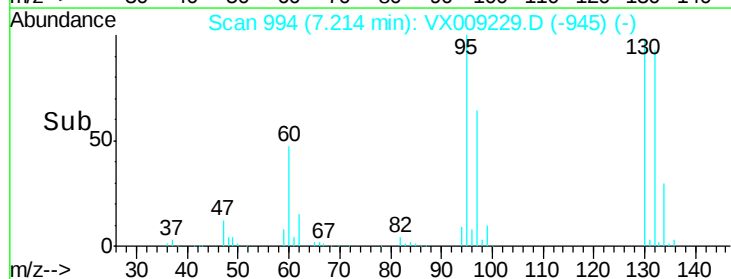
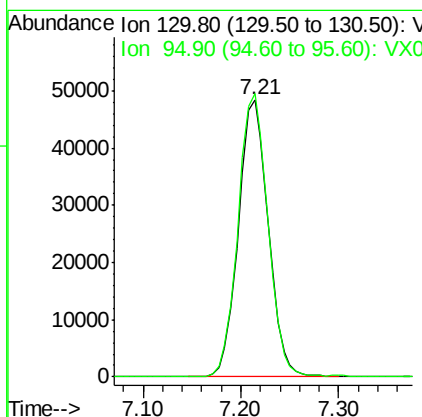
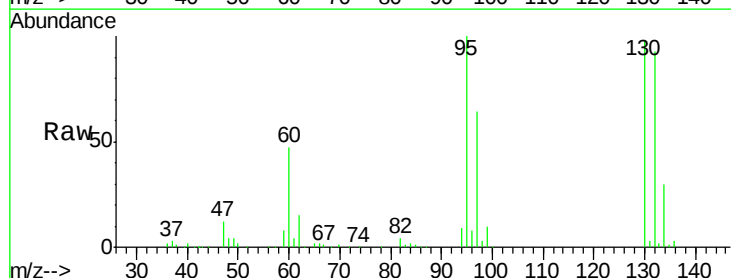
RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

Tgt Ion:	130	Resp:	103068
Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	199.2





#45

1,2-Dichloropropane

Concen: 47.749 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

Instrument :

MSVOA_X

ClientSampleId :

WP021MW038-190423MS

Tot Ion: 63 Resp: 125339

Ion Ratio Lower Upper

63 100

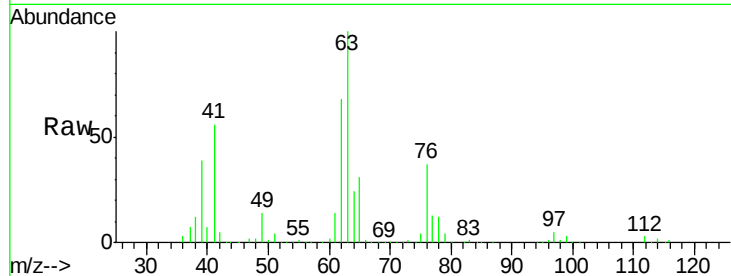
65 31.0 25.0 37.6

Manual Integrations

APPROVED

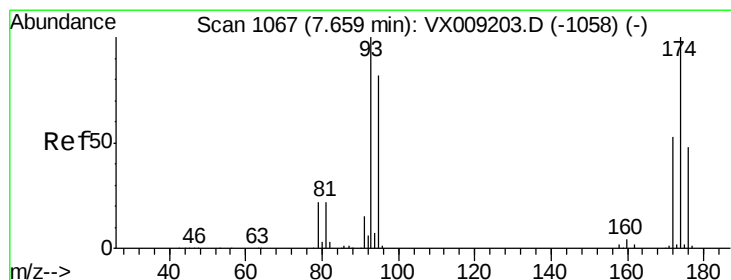
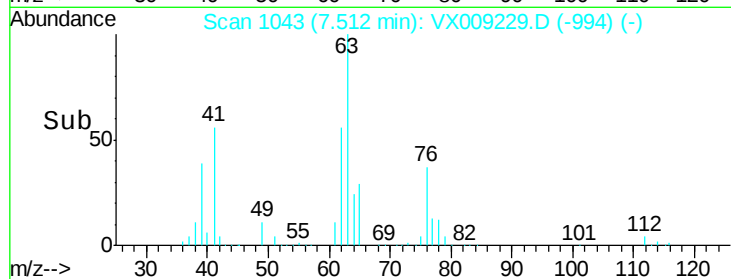
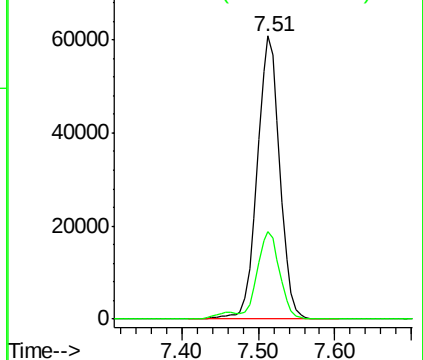
MMDadoda

4/30/2019 11:04:00 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 46.449 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

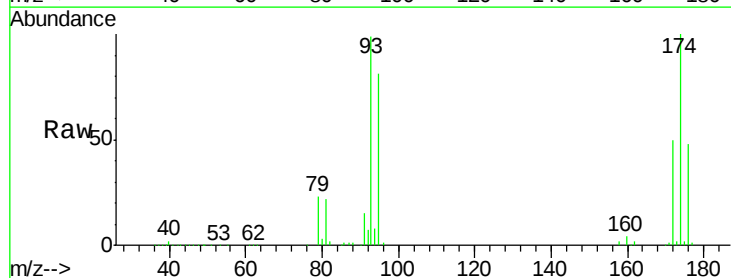
Tgt Ion: 93 Resp: 70803

Ion Ratio Lower Upper

93 100

95 84.4 66.5 99.7

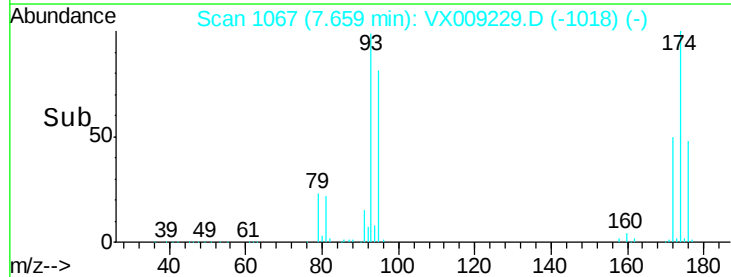
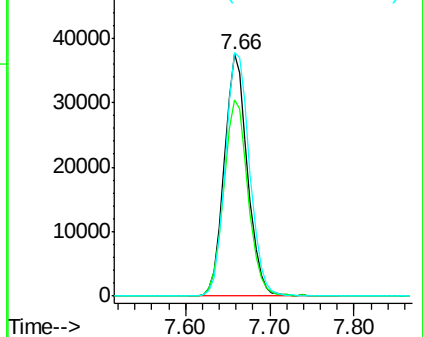
174 105.5 82.1 123.1

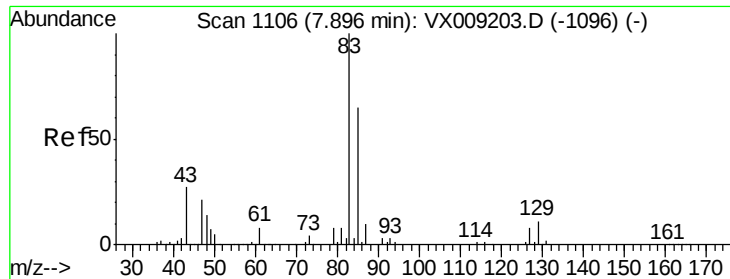


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 47.592 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

Instrument :

MSVOA_X

ClientSampleId :

WP021MW038-190423MS

Tot Ion: 83 Resp: 144709

Ion Ratio Lower Upper

83 100

85 64.5 52.4 78.6

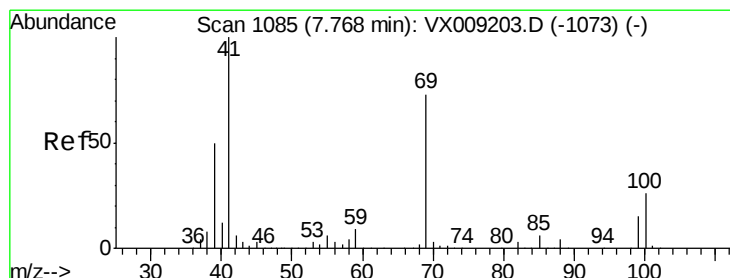
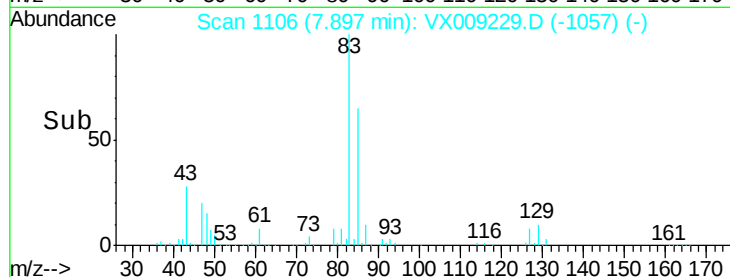
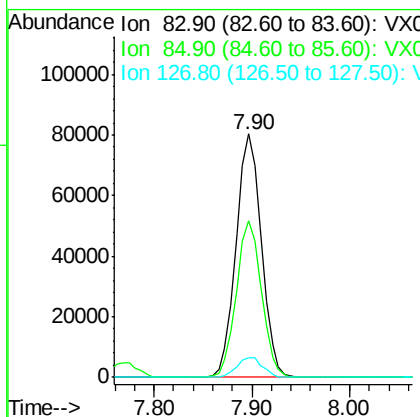
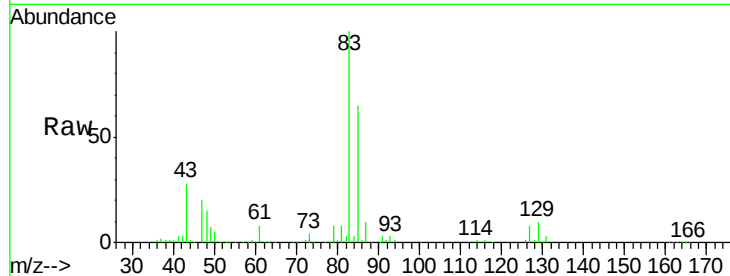
127 8.2 6.6 10.0

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:04:00 AM



#48

Methyl methacrylate

Concen: 49.028 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

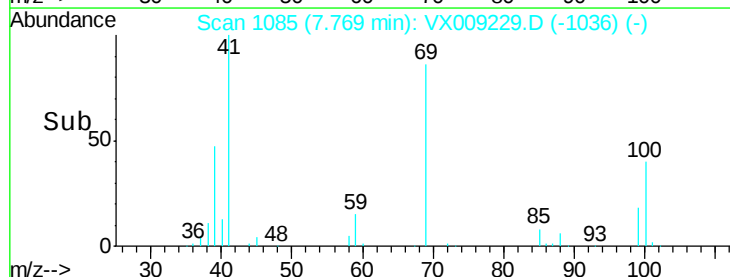
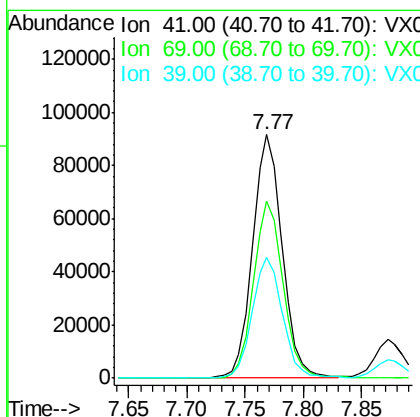
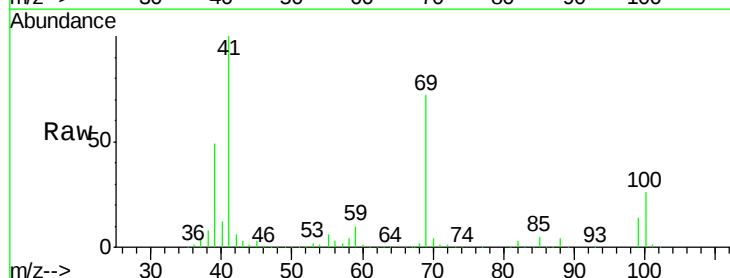
Tgt Ion: 41 Resp: 162377

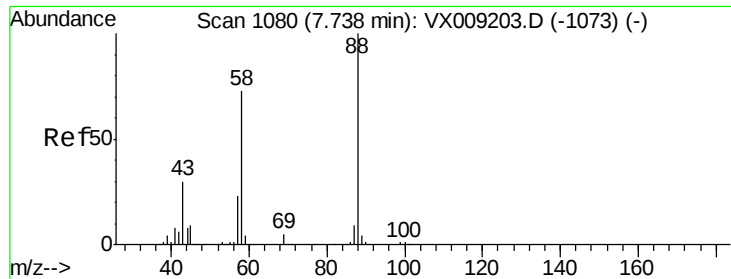
Ion Ratio Lower Upper

41 100

69 73.3 59.1 88.7

39 50.1 40.4 60.6





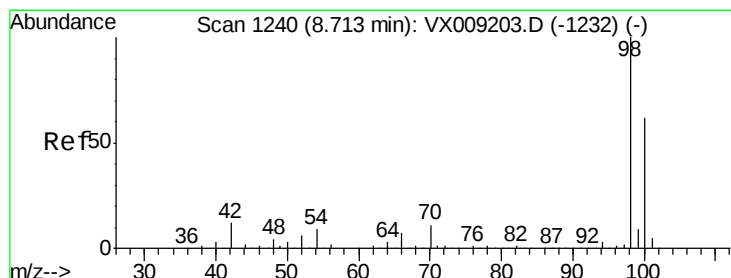
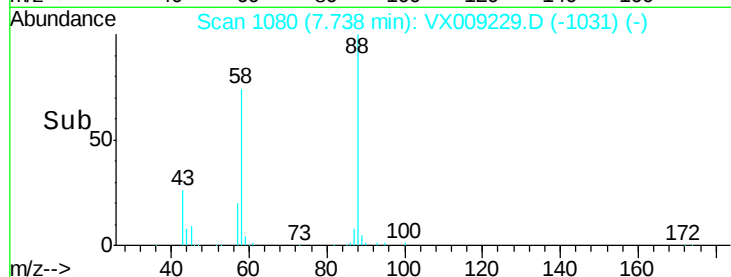
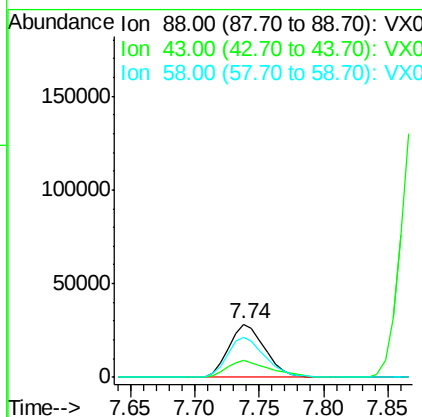
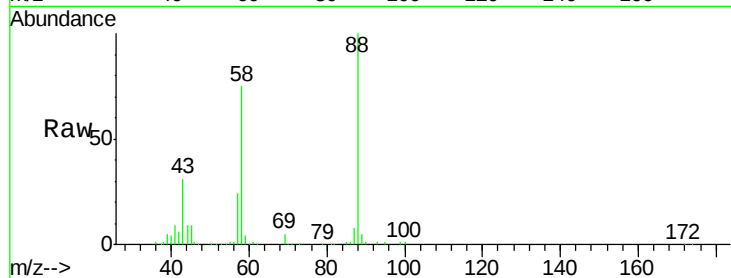
#49
1,4-Dioxane
Concen: 824.705 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009229.D
Acq: 29 Apr 2019 23:46

Instrument :
MSVOA_X
ClientSampleId :
WP021MW038-190423MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.7	28.6	42.8
58	79.1	61.7	92.5

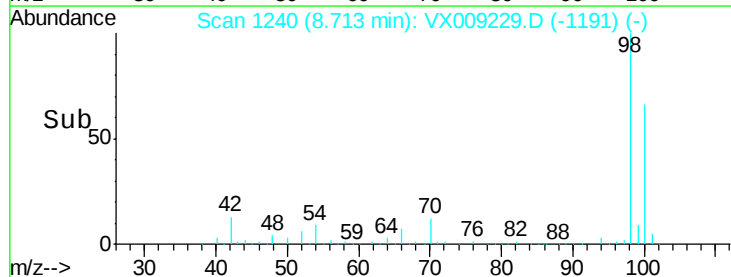
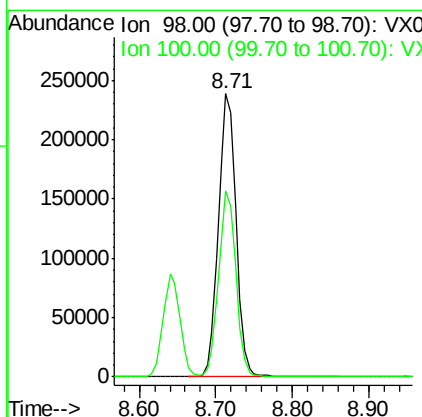
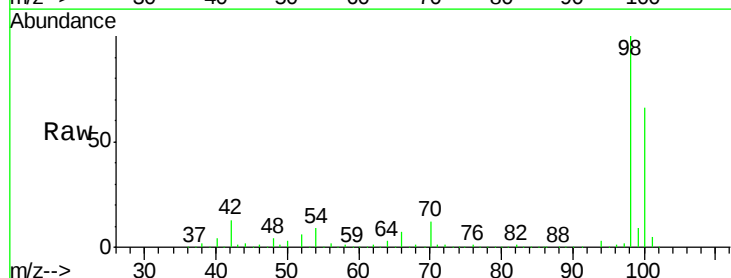
Manual Integrations
APPROVED

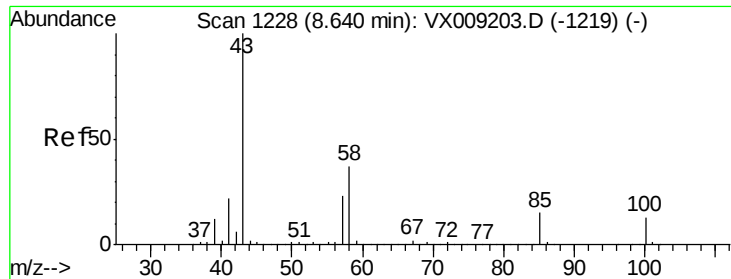
MMDadoda
4/30/2019 11:04:00 AM



#50
Toluene-d8
Concen: 46.567 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009229.D
Acq: 29 Apr 2019 23:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 245.331 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

Instrument :

MSVOA_X

ClientSampleId :

WP021MW038-190423MS

Tot Ion: 43 Resp: 1070461

Ion Ratio Lower Upper

43 100

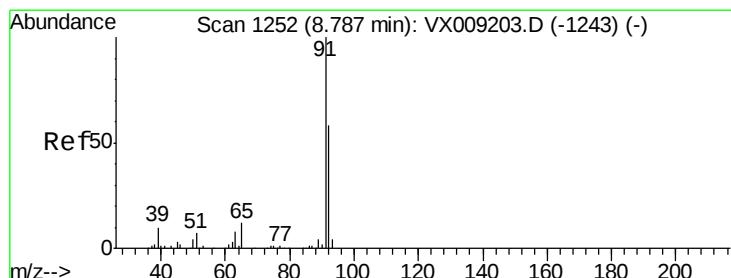
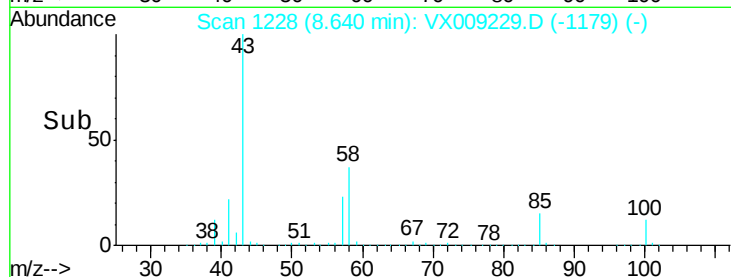
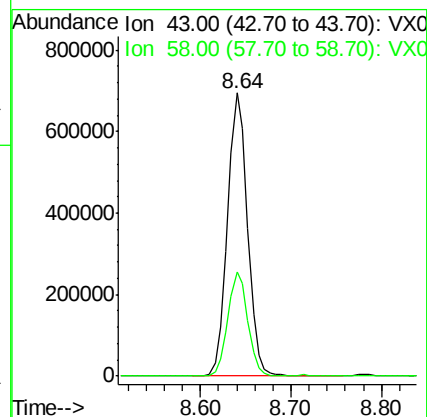
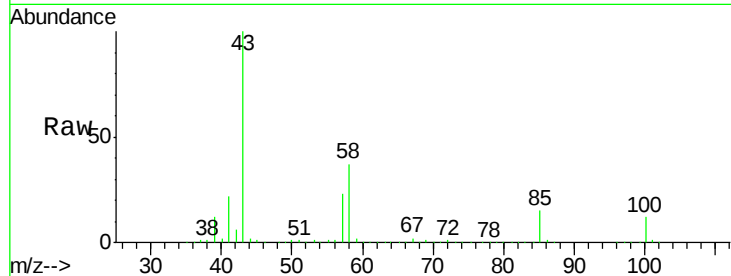
58 36.6 29.5 44.3

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:04:00 AM



#52

Toluene

Concen: 47.476 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009229.D

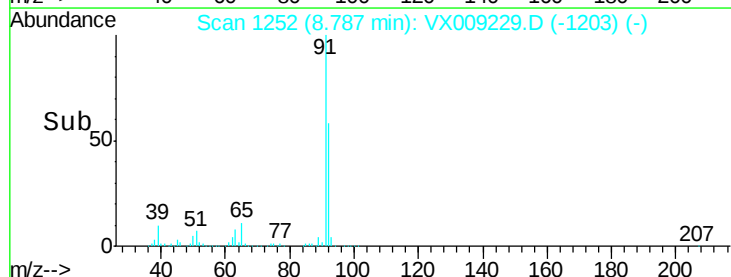
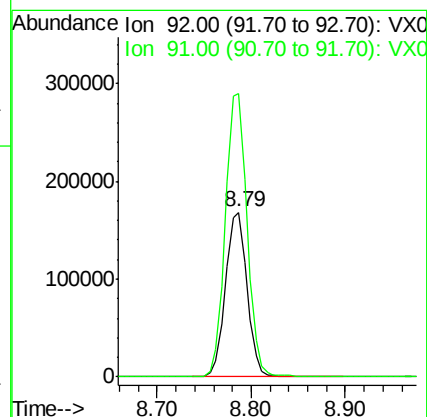
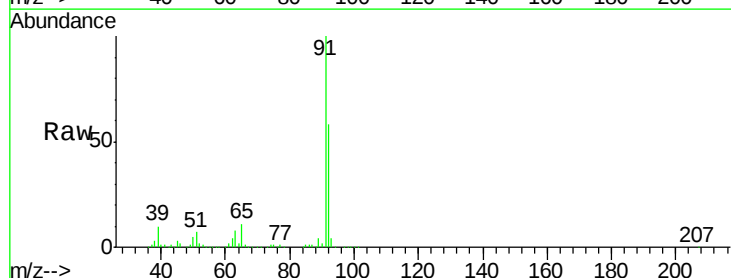
Acq: 29 Apr 2019 23:46

Tgt Ion: 92 Resp: 267530

Ion Ratio Lower Upper

92 100

91 174.2 138.8 208.2





#53

t-1,3-Dichloropropene

Concen: 47.055 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

Tot Ion: 75 Resp: 161535

Ion Ratio Lower Upper

75 100

77 31.6 25.0 37.6

Instrument :

MSVOA_X

ClientSampleId :

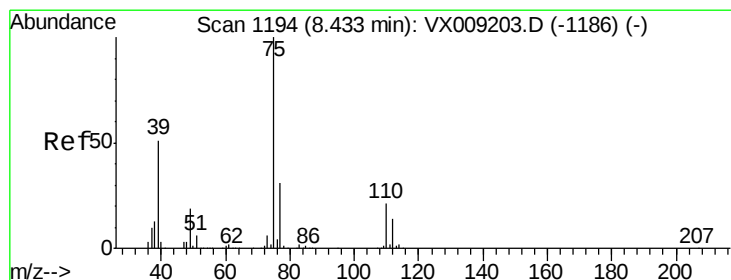
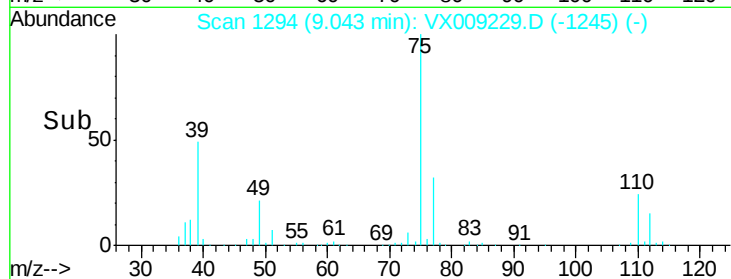
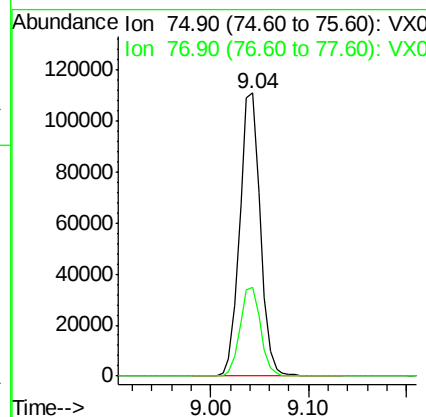
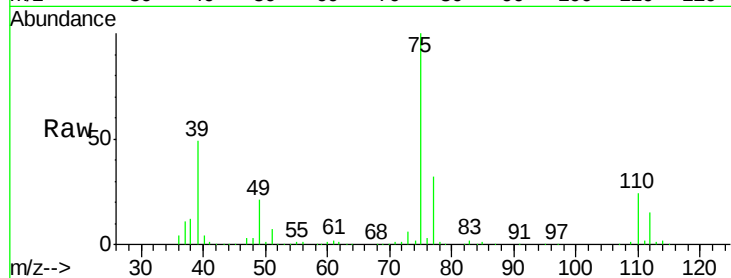
WP021MW038-190423MS

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:04:00 AM



#54

cis-1,3-Dichloropropene

Concen: 47.178 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

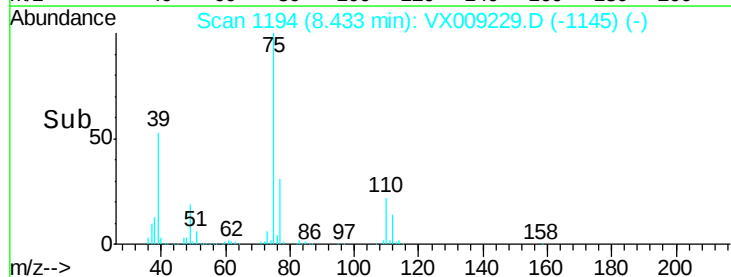
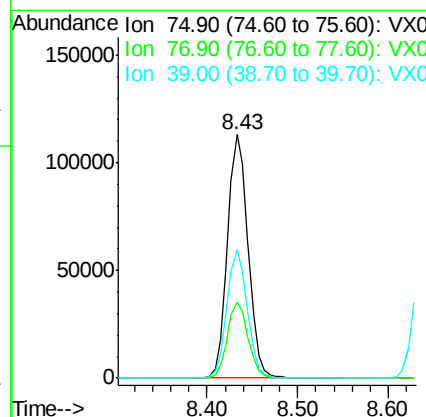
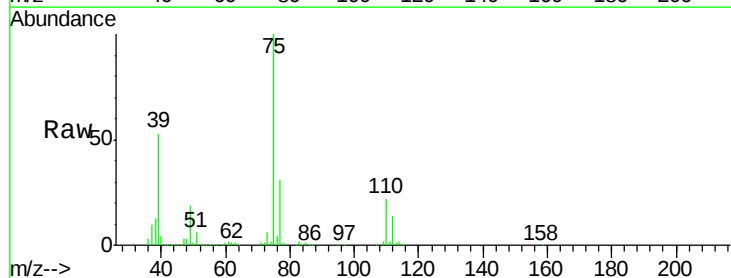
Tgt Ion: 75 Resp: 179261

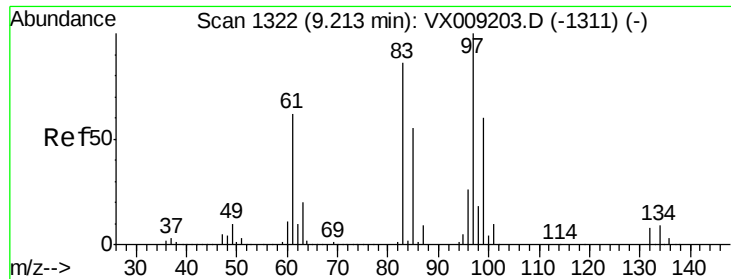
Ion Ratio Lower Upper

75 100

77 31.1 24.6 36.8

39 52.8 40.6 60.8





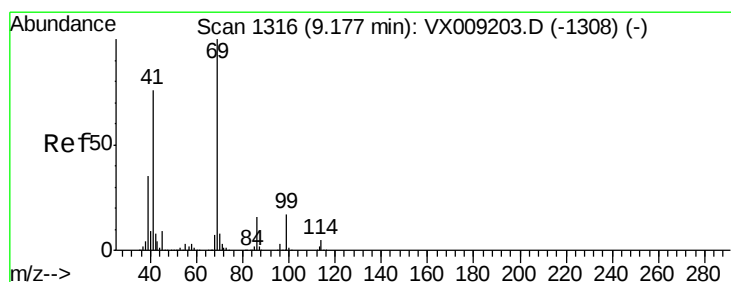
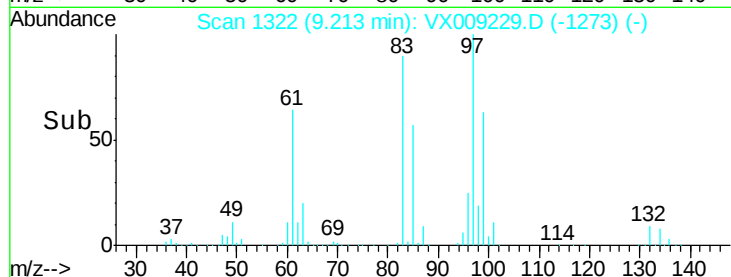
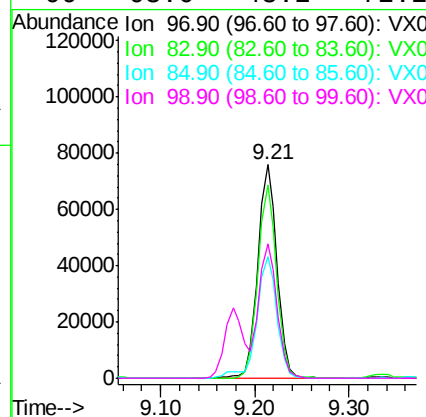
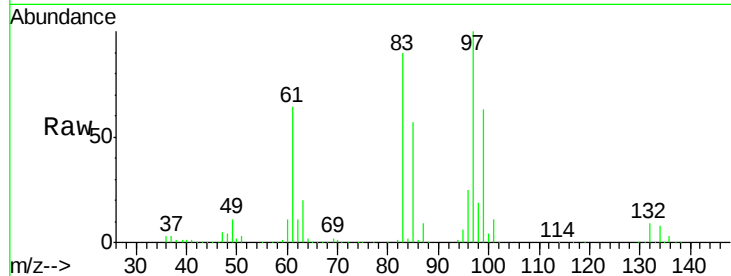
#55
 1,1,2-Trichloroethane
 Concen: 47.606 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009229.D
 Acq: 29 Apr 2019 23:46

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW038-190423MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		109443		
83	90.3	68.9	103.3		
85	57.0	43.8	65.6		
99	63.0	48.2	72.2		

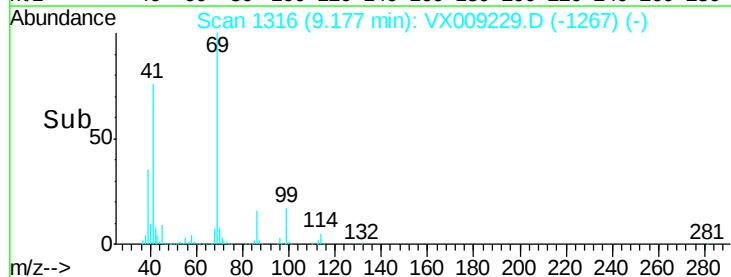
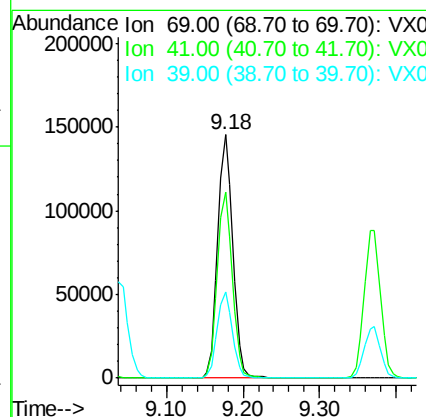
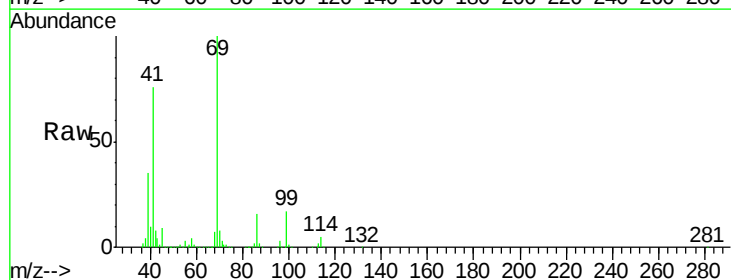
Manual Integrations
 APPROVED

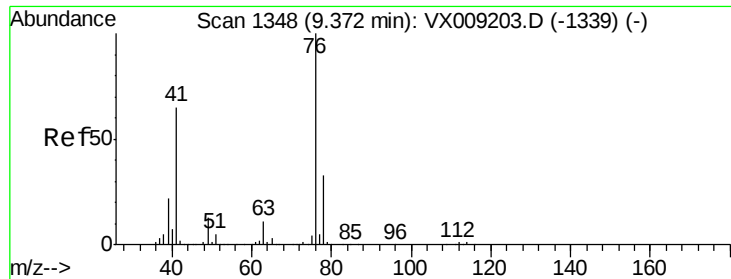
MMDadoda
 4/30/2019 11:04:00 AM



#56
 Ethyl methacrylate
 Concen: 49.058 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009229.D
 Acq: 29 Apr 2019 23:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		201322		
41	75.8	60.6	90.8		
39	35.4	28.2	42.4		





#57

1,3-Dichloropropane

Concen: 47.573 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

Instrument :

MSVOA_X

ClientSampleId :

WP021MW038-190423MS

Tot Ion: 76 Resp: 192460

Ion Ratio Lower Upper

76 100

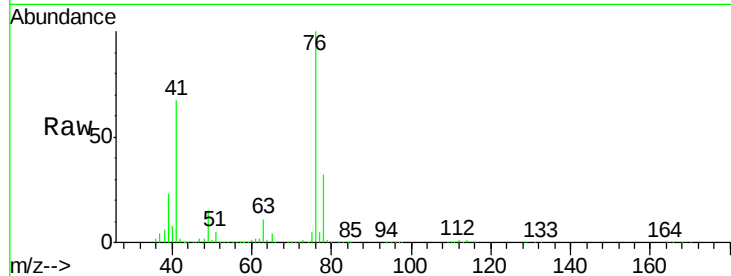
78 31.5 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:04:00 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

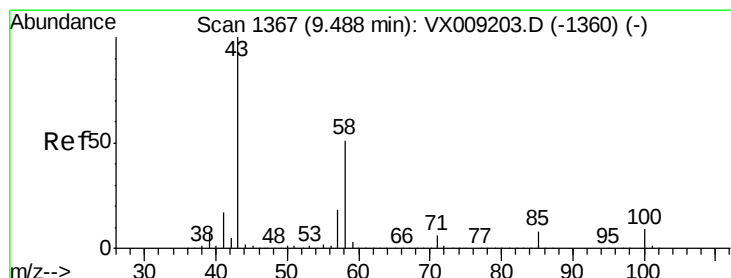
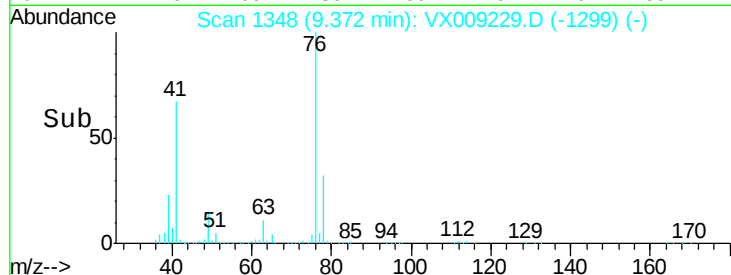
150000

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 245.876 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VX009229.D

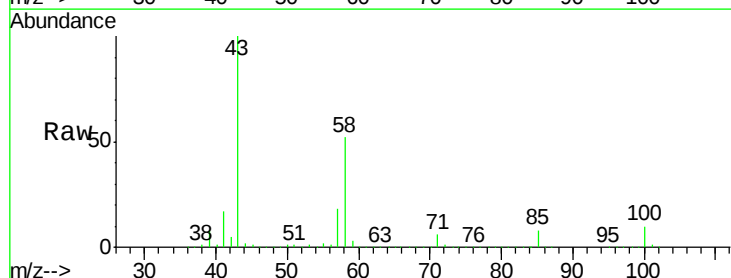
Acq: 29 Apr 2019 23:46

Tgt Ion: 43 Resp: 842595

Ion Ratio Lower Upper

43 100

58 51.4 25.9 77.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.49

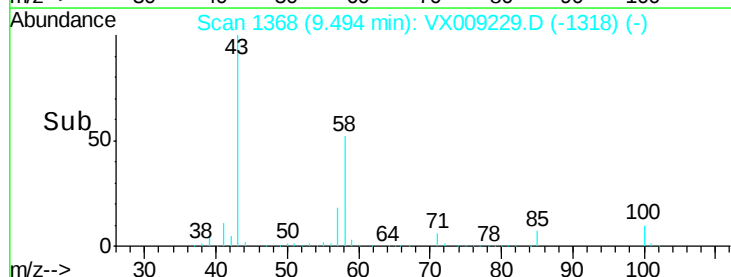
600000

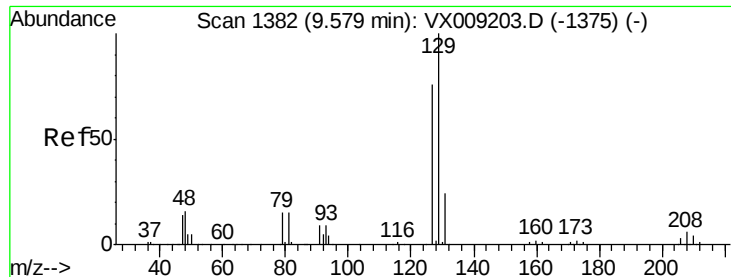
400000

200000

0

Time-->





#60

Dibromochloromethane

Concen: 48.424 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

Instrument :

MSVOA_X

ClientSampleId :

WP021MW038-190423MS

Tot Ion:129 Resp: 108729

Ion Ratio Lower Upper

129 100

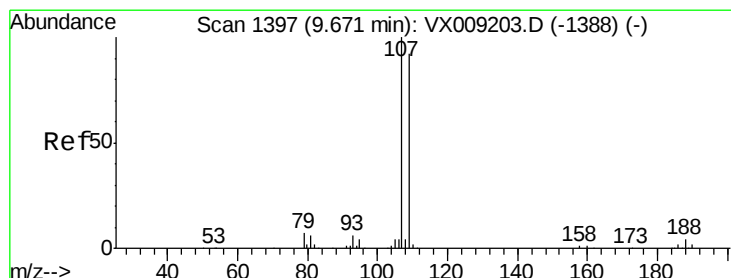
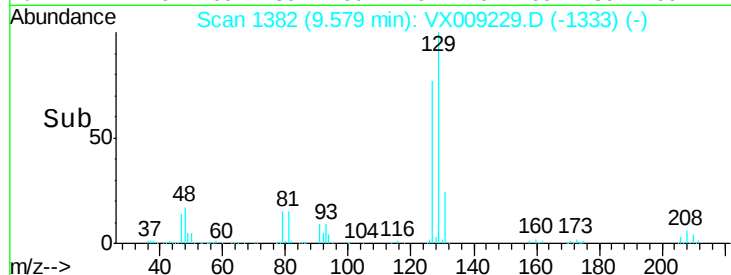
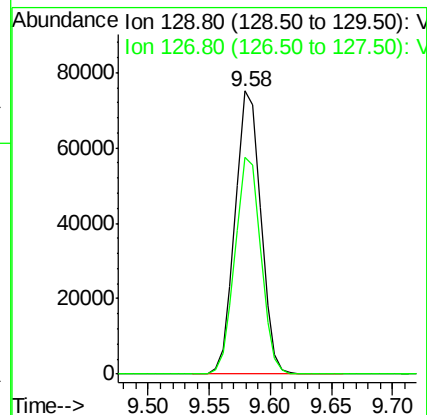
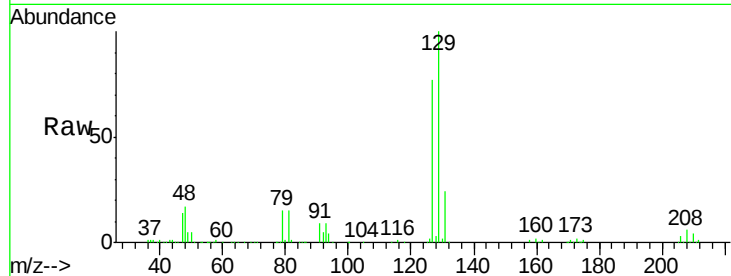
127 77.2 38.4 115.1

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:04:00 AM



#61

1,2-Dibromoethane

Concen: 48.101 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009229.D

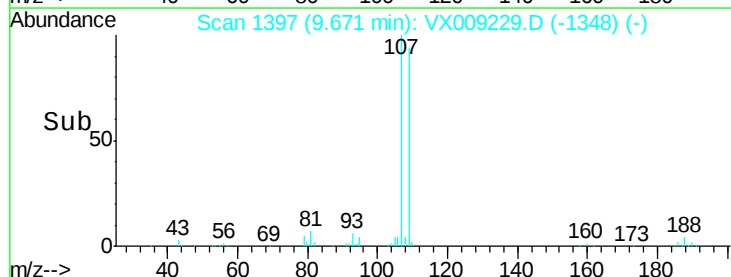
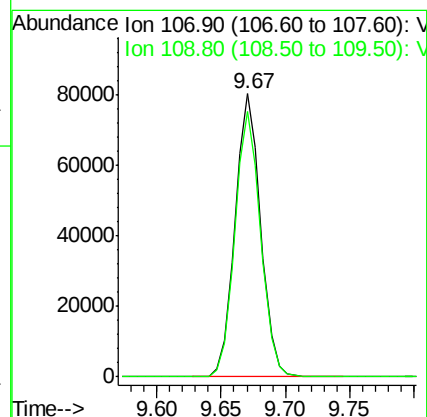
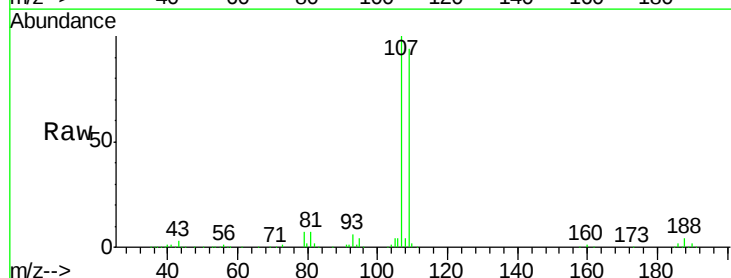
Acq: 29 Apr 2019 23:46

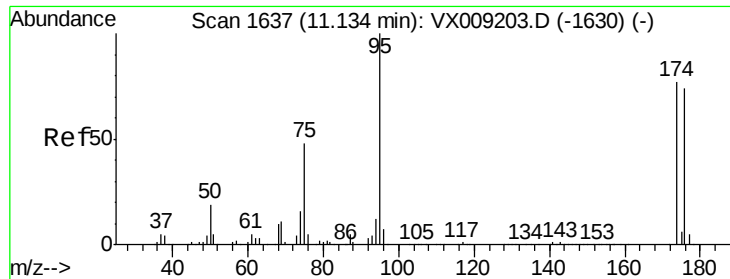
Tgt Ion:107 Resp: 111626

Ion Ratio Lower Upper

107 100

109 94.2 75.2 112.8





#62

4-Bromofluorobenzene

Concen: 46.556 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

Instrument :

MSVOA_X

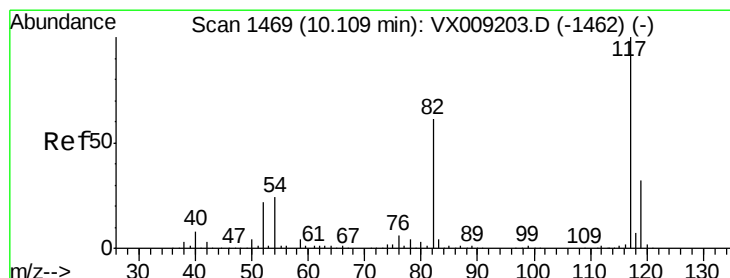
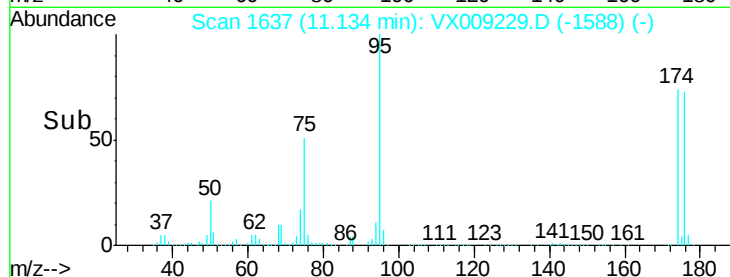
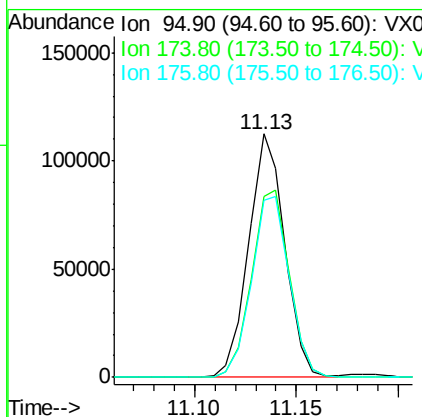
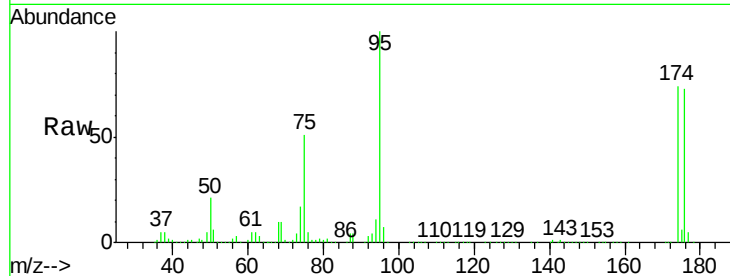
ClientSampleId :

WP021MW038-190423MS

Tot Ion:	95	Resp:	138385
Ion Ratio	Lower	Upper	
95	100		
174	80.4	0.0	161.6
176	77.9	0.0	159.2

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:04:00 AM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

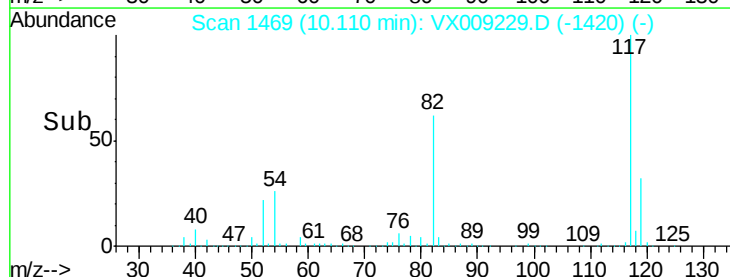
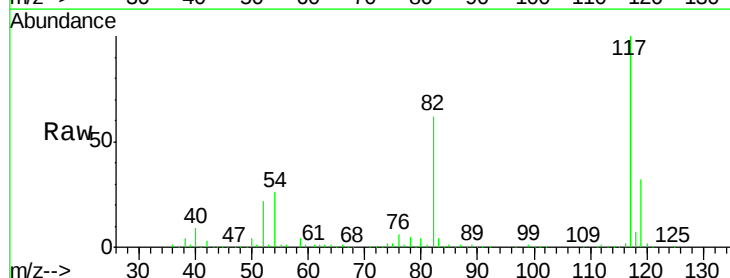
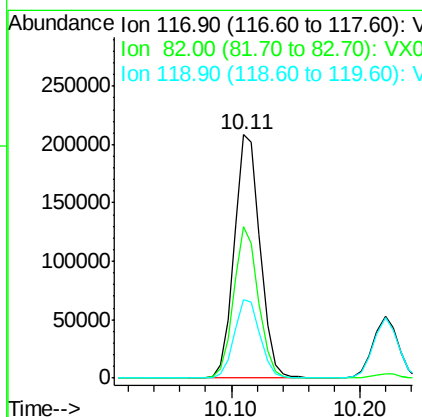
RT: 10.11 min Scan# 1469

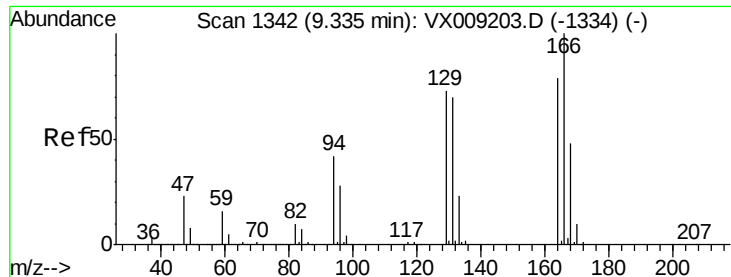
Delta R.T. 0.00 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

Tgt Ion:	117	Resp:	290024
Ion Ratio	Lower	Upper	
117	100		
82	62.1	48.8	73.2
119	32.1	25.8	38.6





#64

Tetrachloroethene

Concen: 45.517 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

Instrument :

MSVOA_X

ClientSampleId :

WP021MW038-190423MS

Tot Ion:164 Resp: 90553

Ion Ratio Lower Upper

164 100

166 125.5 101.2 151.8

129 92.5 74.3 111.5

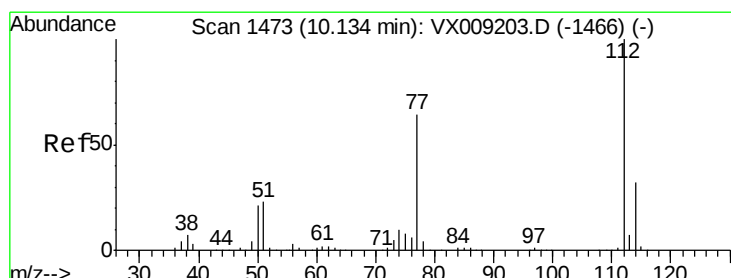
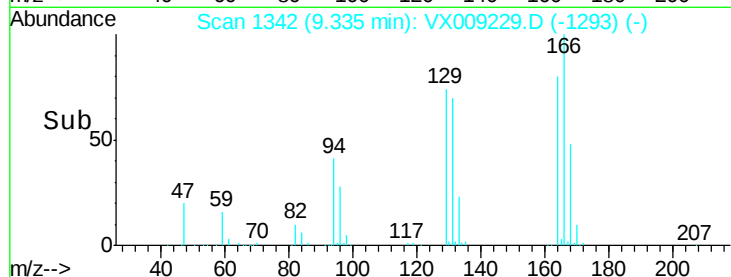
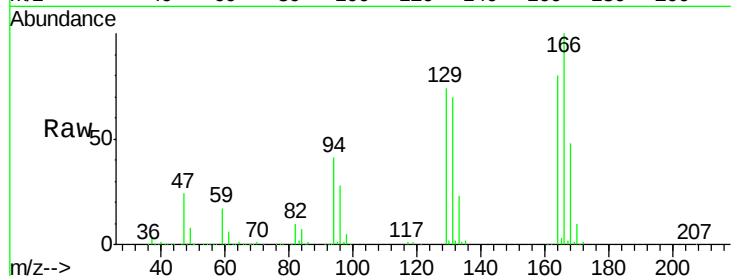
131 88.0 71.0 106.6

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:04:00 AM



#65

Chlorobenzene

Concen: 49.381 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009229.D

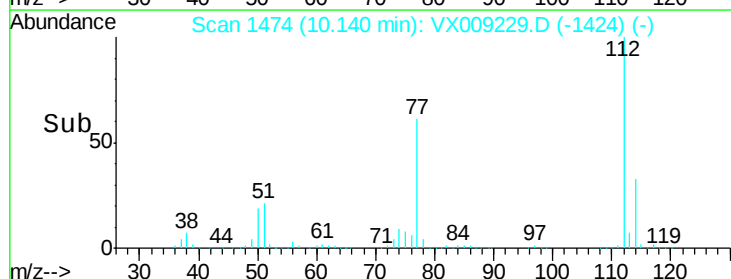
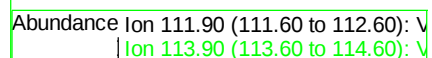
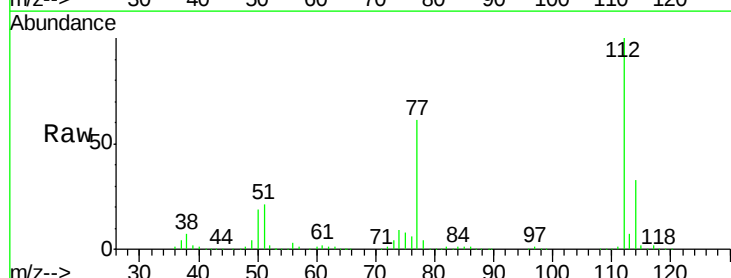
Acq: 29 Apr 2019 23:46

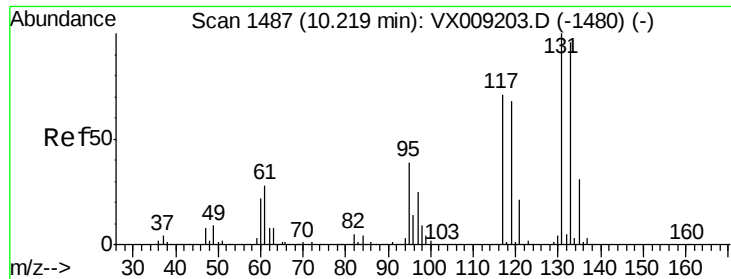
Tgt Ion:112 Resp: 286498

Ion Ratio Lower Upper

112 100

114 32.6 25.5 38.3





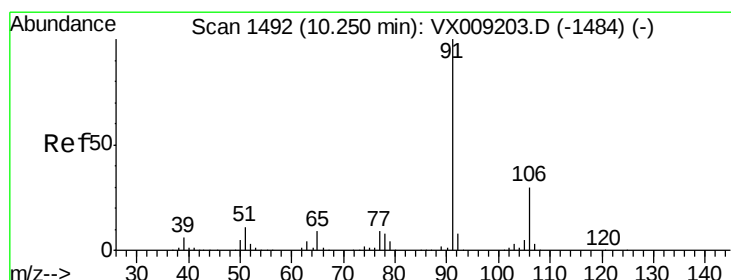
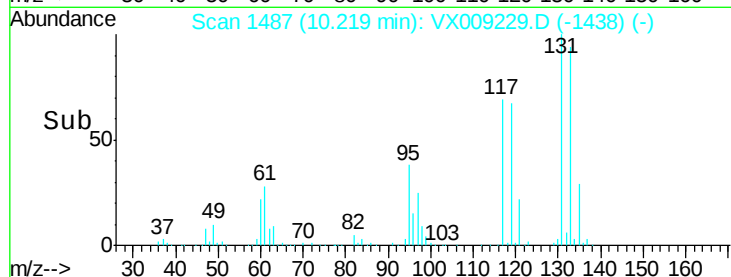
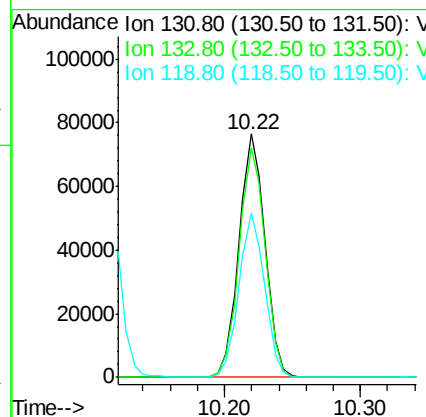
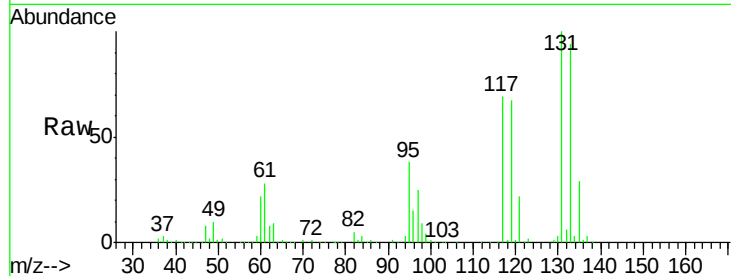
#66
 1,1,1,2-Tetrachloroethane
 Concen: 48.280 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX009229.D
 Acq: 29 Apr 2019 23:46

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW038-190423MS

Tot Ion	Ratio	Resp	Lower	Upper
131	100	101552		
133	94.4	47.7	143.1	
119	66.8	33.5	100.4	

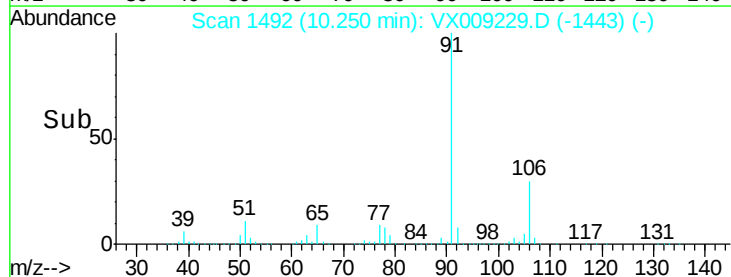
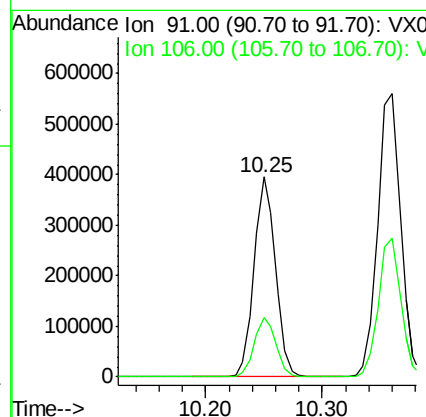
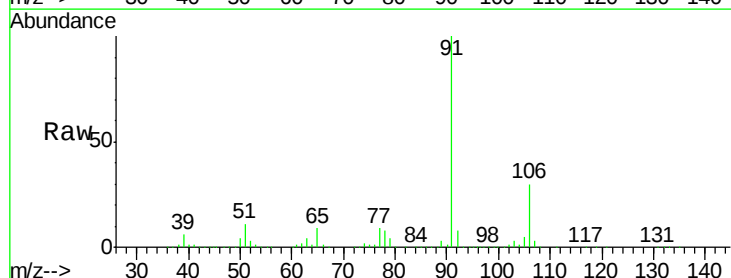
Manual Integrations
 APPROVED

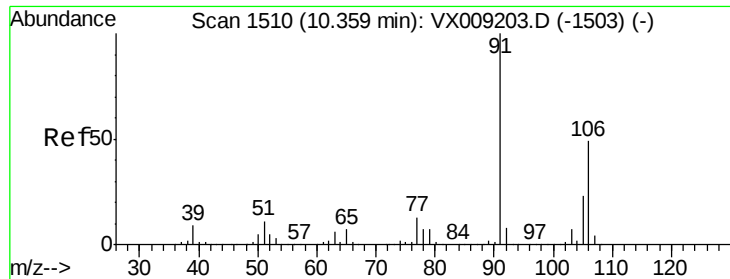
MMDadoda
 4/30/2019 11:04:00 AM



#67
 Ethyl Benzene
 Concen: 47.703 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX009229.D
 Acq: 29 Apr 2019 23:46

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	509348		
106	30.0	24.0	36.0	





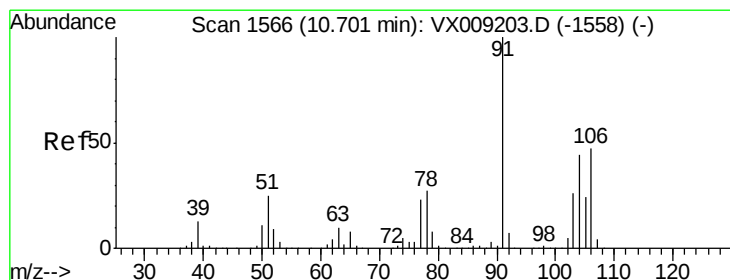
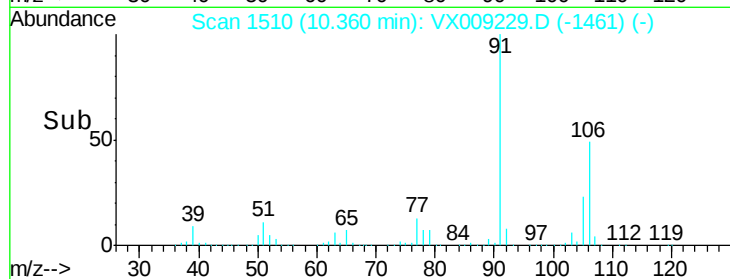
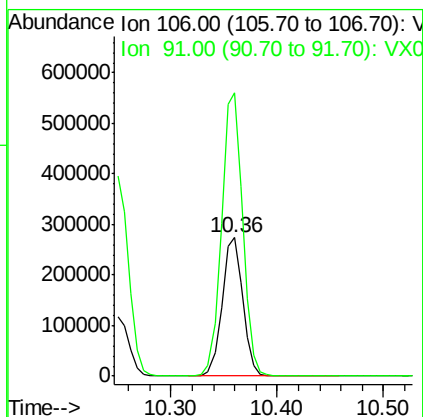
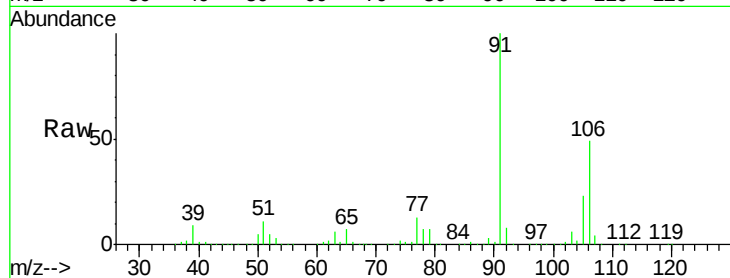
#68
m/p-Xylenes
Concen: 95.349 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009229.D
Acq: 29 Apr 2019 23:46

Instrument :
MSVOA_X
ClientSampleId :
WP021MW038-190423MS

Tot Ion:106 Resp: 372041
Ion Ratio Lower Upper
106 100
91 208.0 164.0 246.0

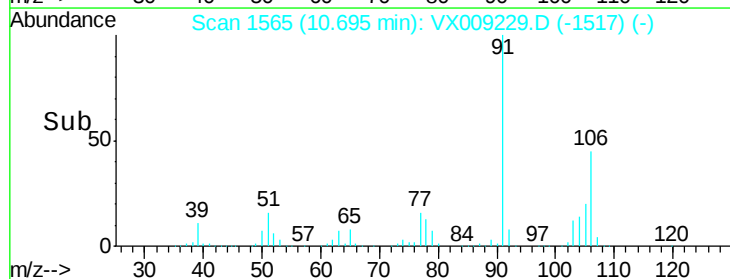
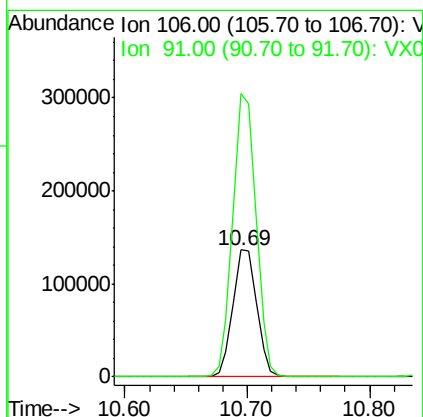
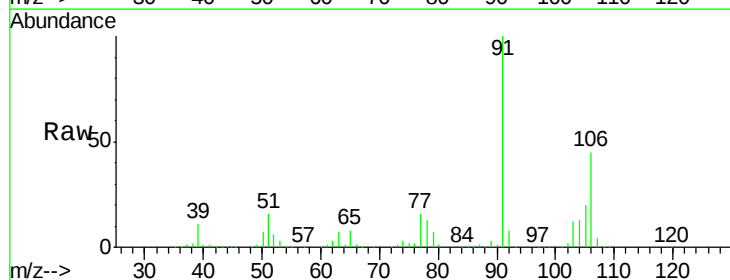
Manual Integrations
APPROVED

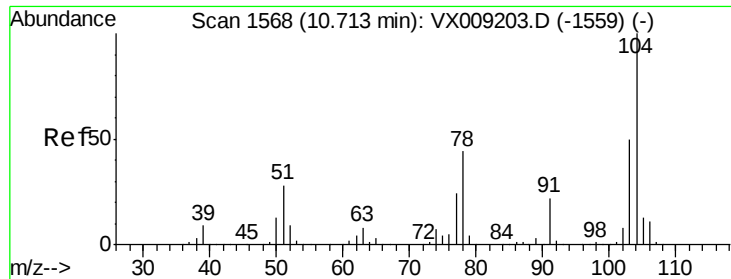
MMDadoda
4/30/2019 11:04:00 AM



#69
o-Xylene
Concen: 47.817 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009229.D
Acq: 29 Apr 2019 23:46

Tgt Ion:106 Resp: 184087
Ion Ratio Lower Upper
106 100
91 217.8 109.5 328.4





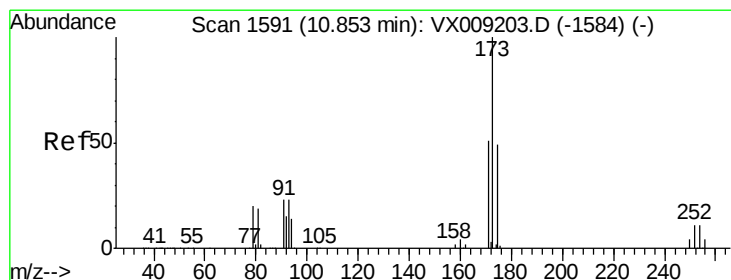
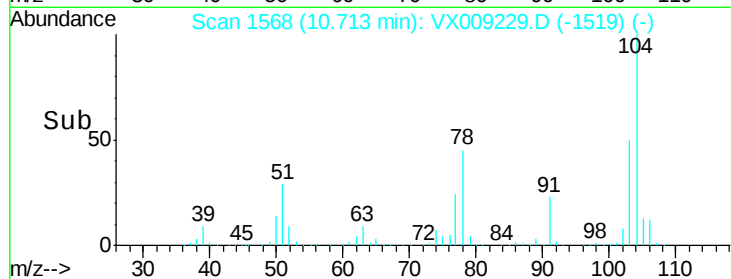
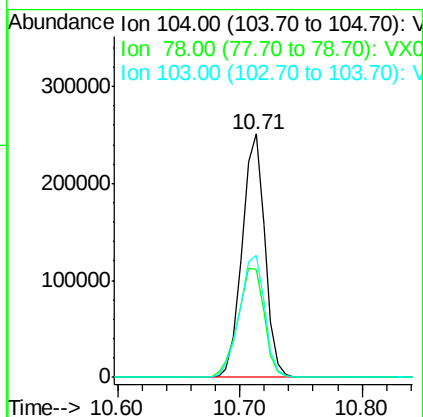
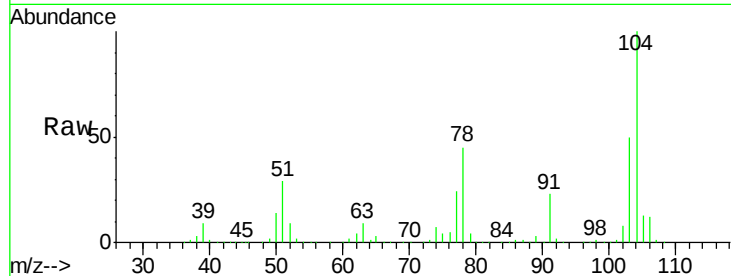
#70
Stvrene
Concen: 48.227 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009229.D
Acq: 29 Apr 2019 23:46

Instrument :
MSVOA_X
ClientSampleId :
WP021MW038-190423MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.1	41.0	61.4
103	55.3	43.8	65.6

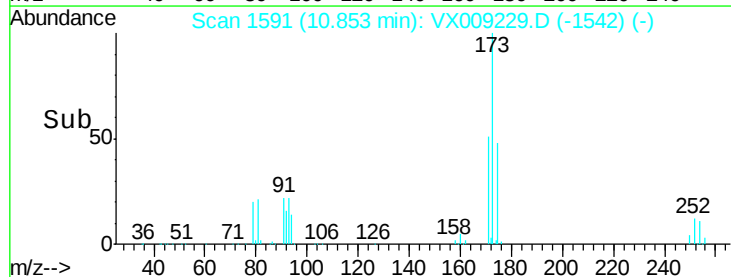
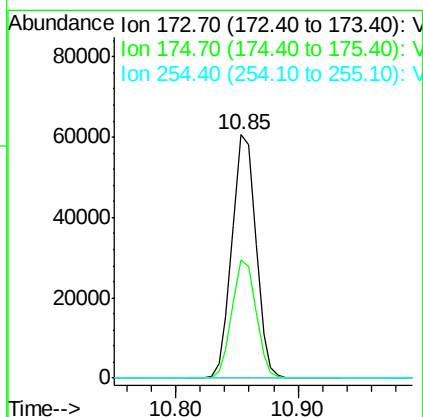
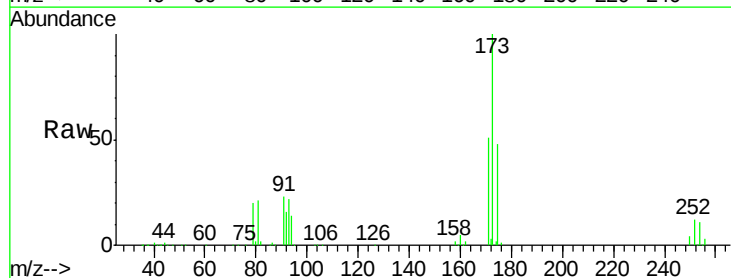
Manual Integrations
APPROVED

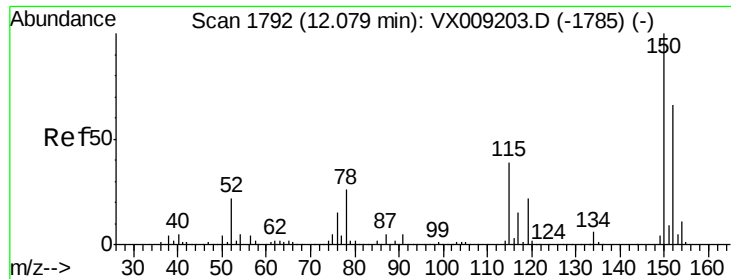
MMDadoda
4/30/2019 11:04:00 AM



#71
Bromoform
Concen: 47.999 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX009229.D
Acq: 29 Apr 2019 23:46

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.5	73.5
254	0.1	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

Instrument :

MSVOA_X

ClientSampleId :

WP021MW038-190423MS

Tot Ion:152 Resp: 141508

Ion Ratio Lower Upper

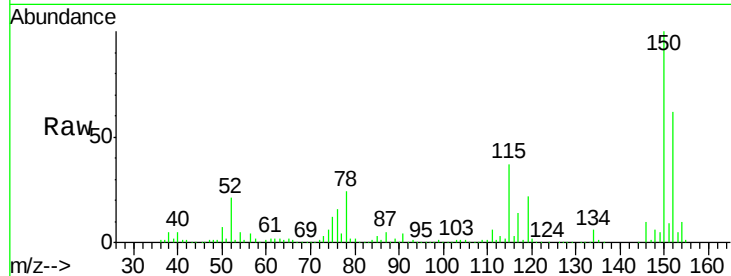
152 100

115 80.8 41.2 123.6

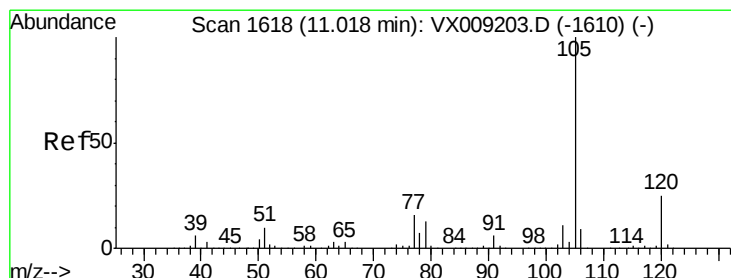
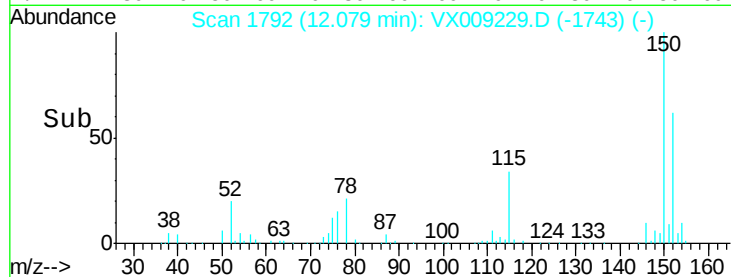
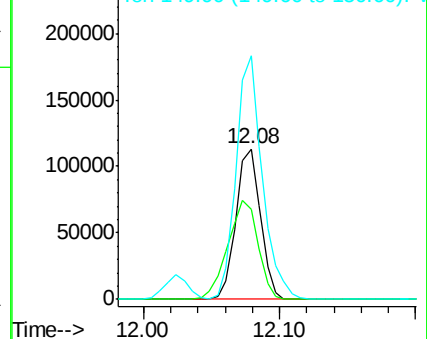
150 173.3 0.0 346.4

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:04:00 AM



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: 47.438 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009229.D

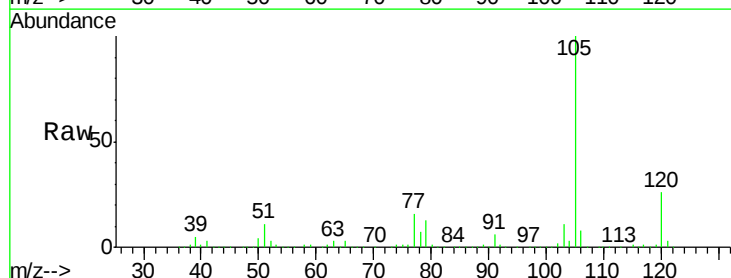
Acq: 29 Apr 2019 23:46

Tgt Ion:105 Resp: 488146

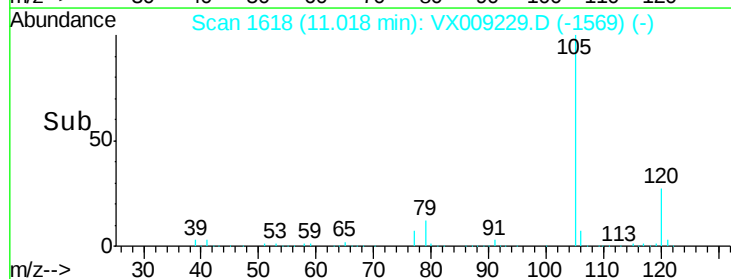
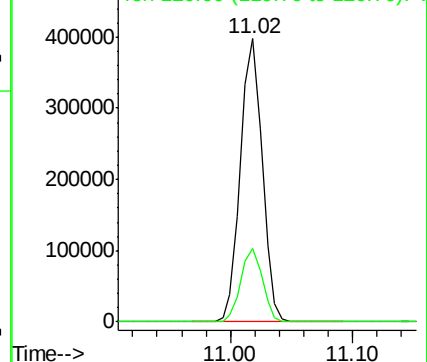
Ion Ratio Lower Upper

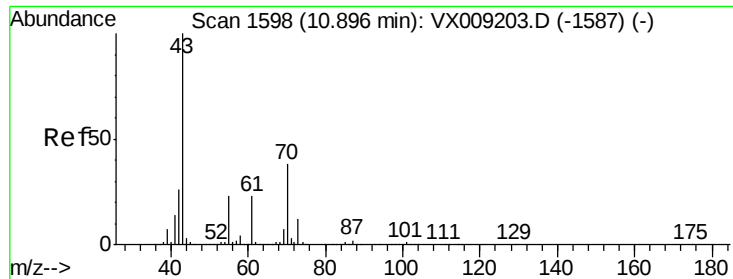
105 100

120 25.8 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 48.613 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

Instrument :

MSVOA_X

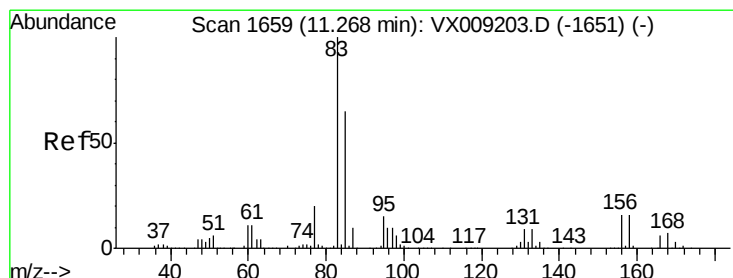
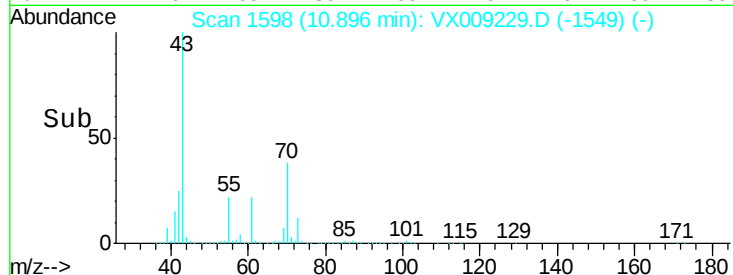
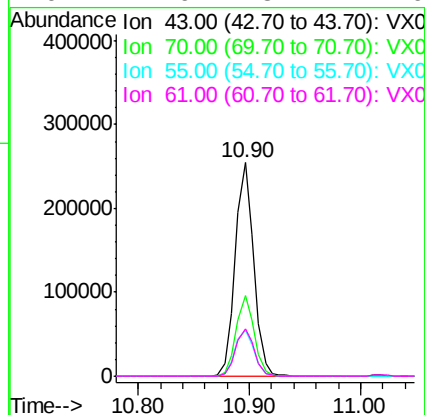
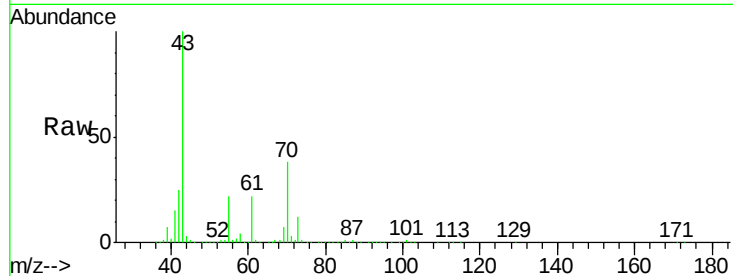
ClientSampleId :

WP021MW038-190423MS

Tot Ion	43	Resp	291647
Ion Ratio	Lower	Upper	
43	100		
70	37.2	30.0	45.0
55	22.3	17.9	26.9
61	22.6	18.4	27.6

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:04:00 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 48.618 ug/l

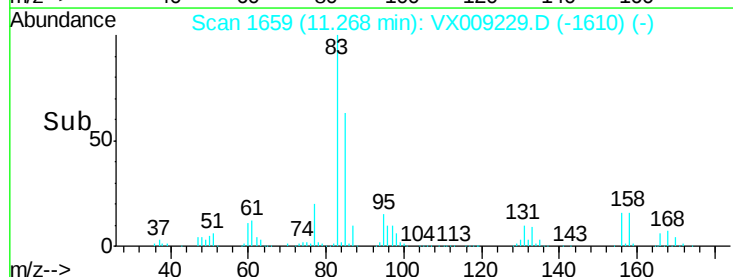
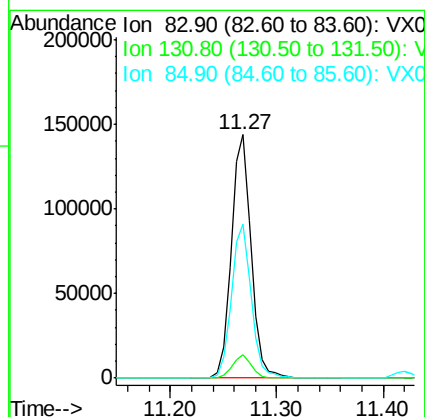
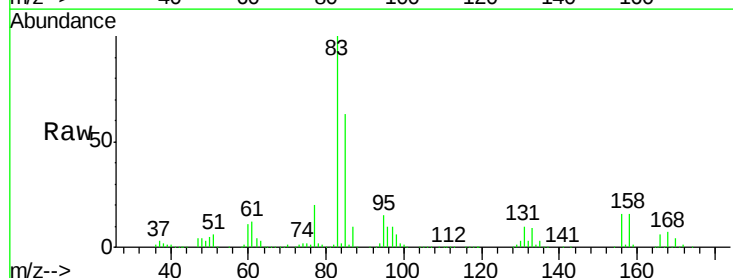
RT: 11.27 min Scan# 1659

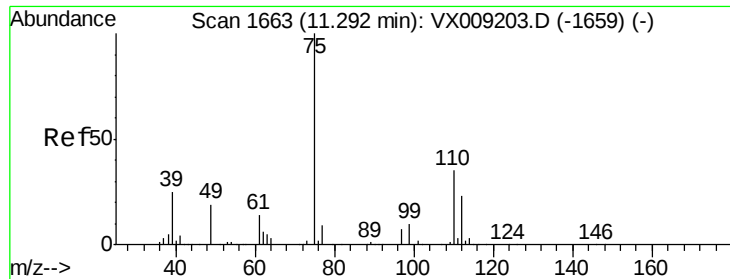
Delta R.T. 0.00 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

Tgt Ion	83	Resp	186501
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.6	13.8
85	63.6	32.0	96.2





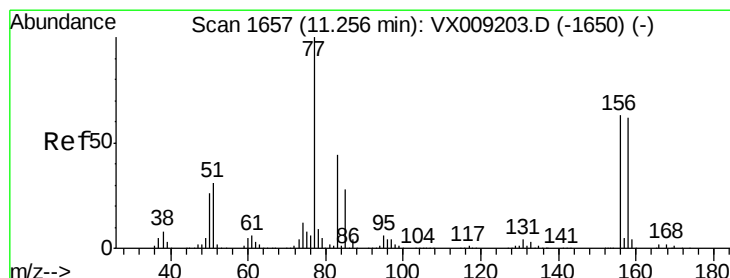
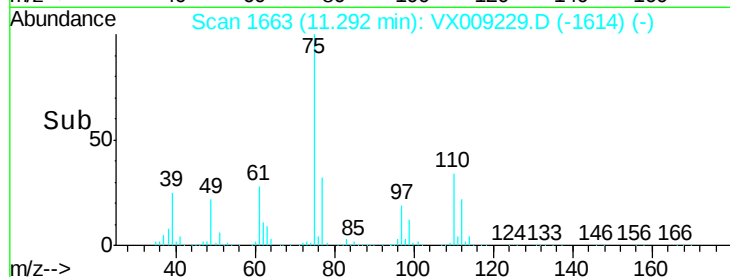
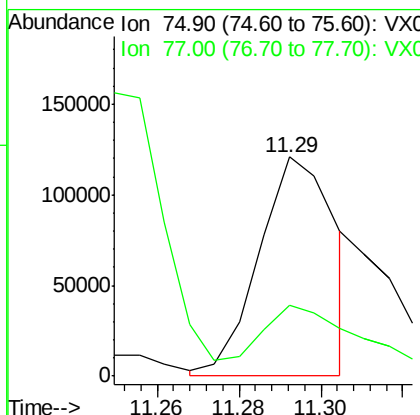
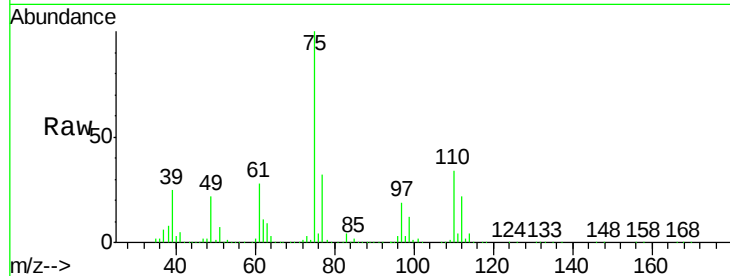
#76
1,2,3-Trichloropropane
Concen: 47.430 ug/l m
RT: 11.29 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VX009229.D
Acq: 29 Apr 2019 23:46

Instrument :
MSVOA_X
ClientSampleId :
WP021MW038-190423MS

Tot Ion: 75 Resp: 155689
Ion Ratio Lower Upper
75 100
77 43.8 22.1 66.1

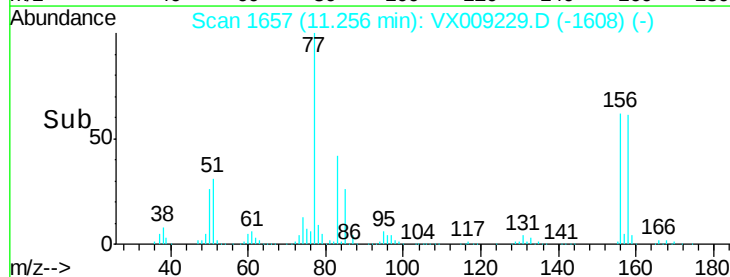
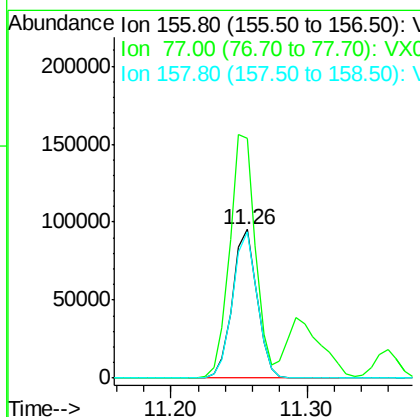
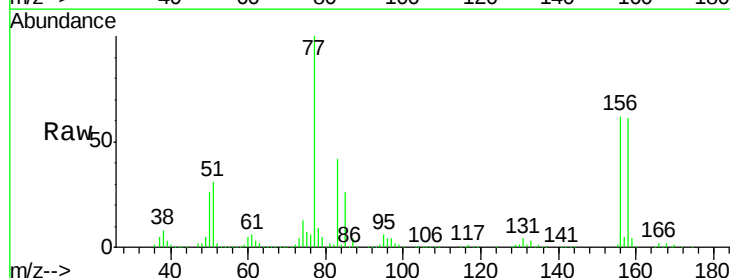
Manual Integrations
APPROVED

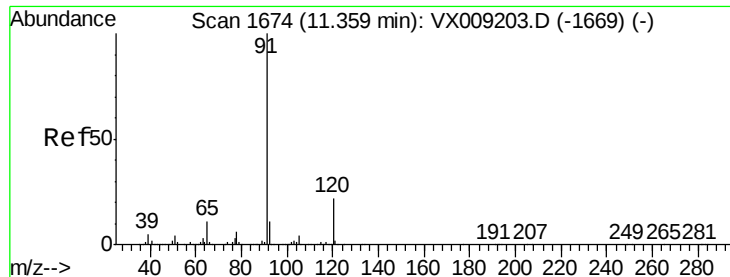
MMDadoda
4/30/2019 11:04:00 AM



#77
Bromobenzene
Concen: 47.157 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX009229.D
Acq: 29 Apr 2019 23:46

Tgt Ion: 156 Resp: 120444
Ion Ratio Lower Upper
156 100
77 170.0 84.8 254.3
158 97.8 49.1 147.3





#78

n-propylbenzene

Concen: 47.682 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

Instrument :

MSVOA_X

ClientSampleId :

WP021MW038-190423MS

Tot Ion: 91 Resp: 560363

Ion Ratio Lower Upper

91 100

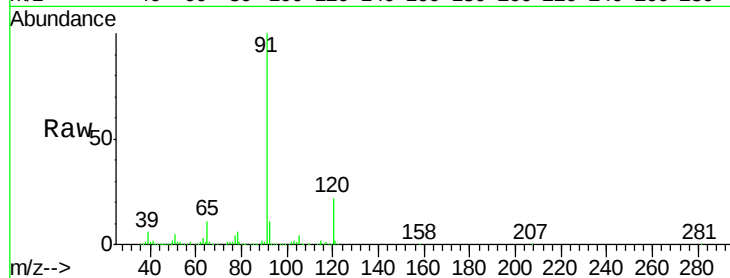
120 22.3 11.0 33.0

Manual Integrations

APPROVED

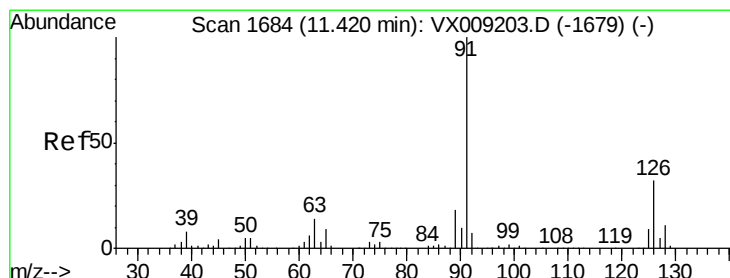
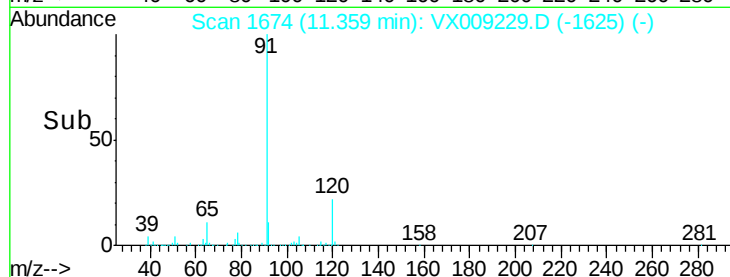
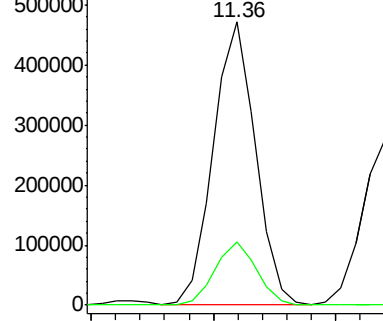
MMDadoda

4/30/2019 11:04:00 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 46.337 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009229.D

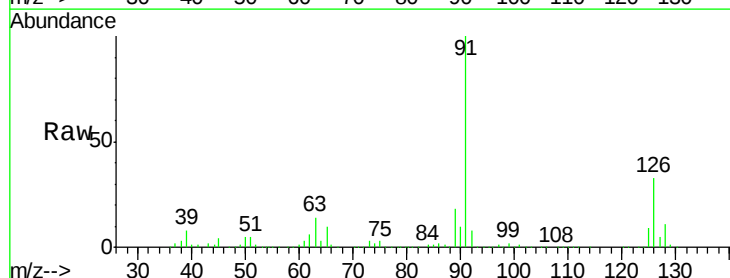
Acq: 29 Apr 2019 23:46

Tgt Ion: 91 Resp: 335960

Ion Ratio Lower Upper

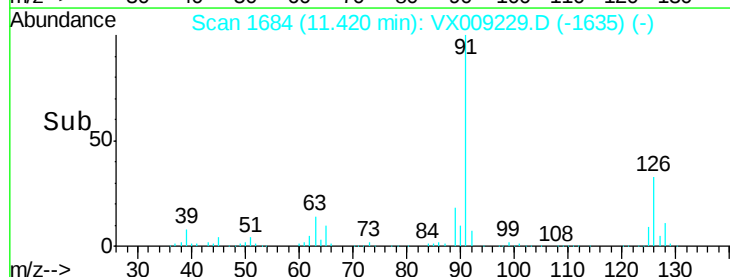
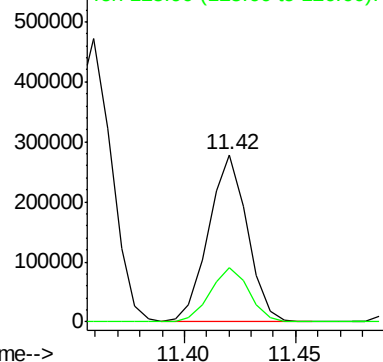
91 100

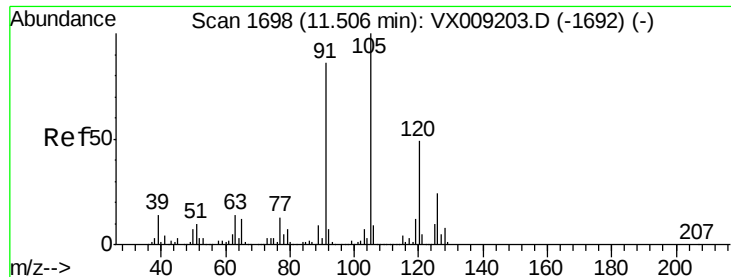
126 33.0 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





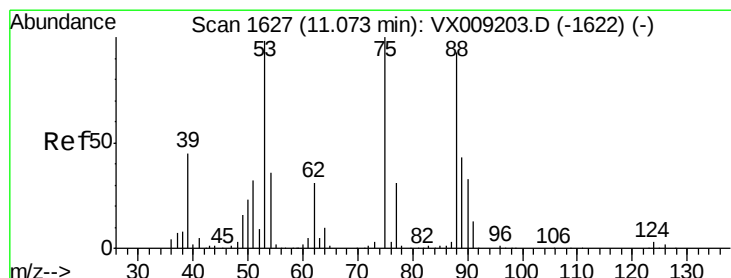
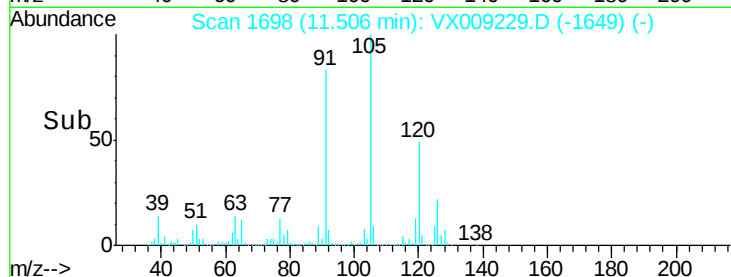
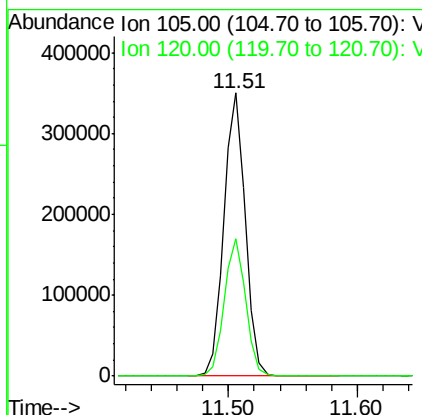
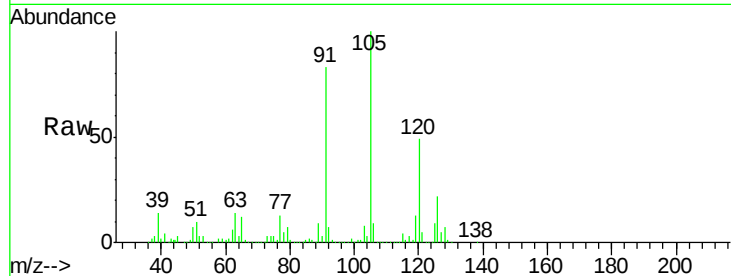
#80
 1,3,5-Trimethylbenzene
 Concen: 47.397 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009229.D
 Acq: 29 Apr 2019 23:46

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW038-190423MS

Tot Ion:105 Resp: 410669
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.3 72.9

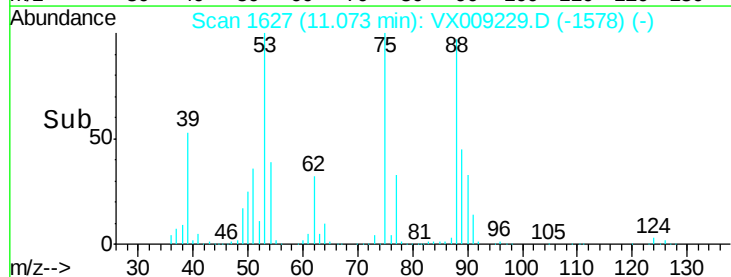
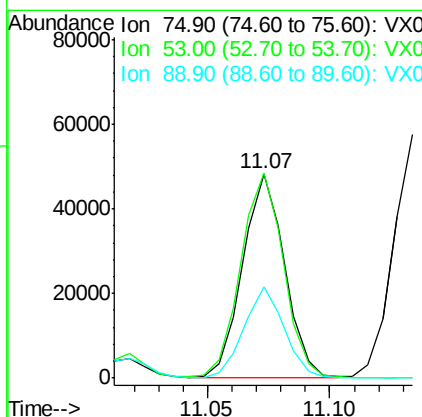
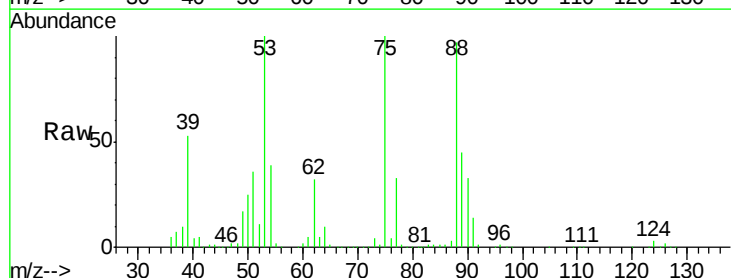
Manual Integrations
 APPROVED

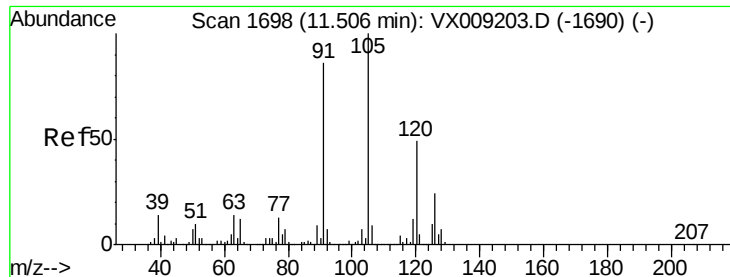
MMDadoda
 4/30/2019 11:04:00 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 44.703 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX009229.D
 Acq: 29 Apr 2019 23:46

Tgt Ion: 75 Resp: 57349
 Ion Ratio Lower Upper
 75 100
 53 102.4 79.0 118.6
 89 43.3 34.7 52.1





#82

4-Chlorotoluene

Concen: 47.121 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

Instrument :

MSVOA_X

ClientSampleId :

WP021MW038-190423MS

Tot Ion: 91 Resp: 385967

Ion Ratio Lower Upper

91 100

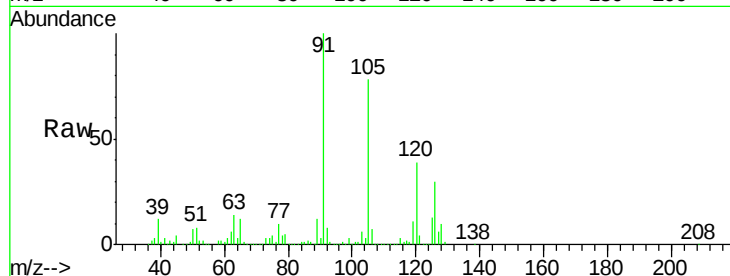
126 28.8 14.5 43.6

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:04:00 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

300000

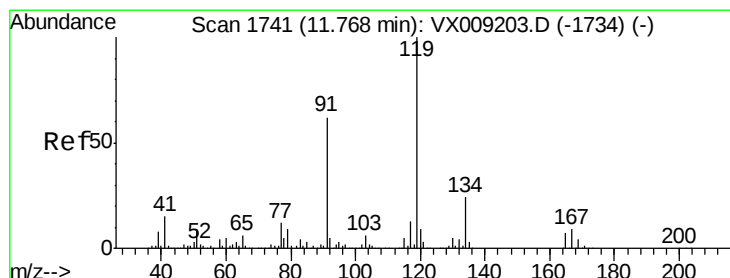
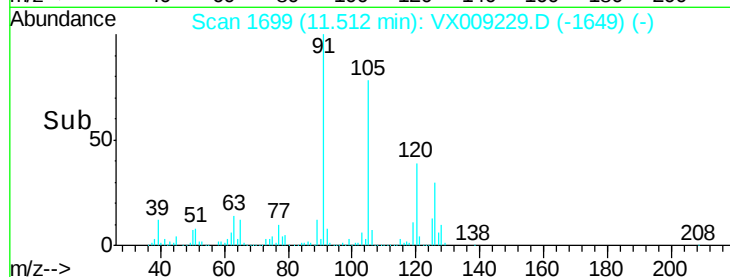
200000

100000

0

11.40 11.50 11.60

Time-->



#83

tert-Butylbenzene

Concen: 47.354 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

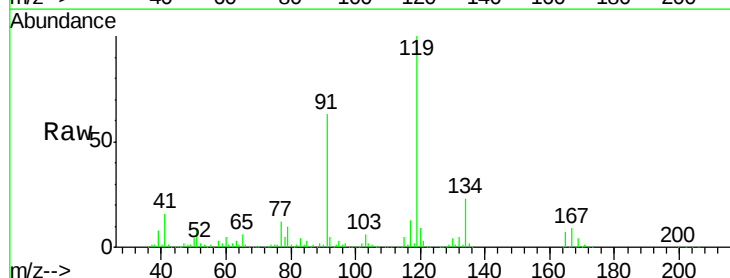
Tgt Ion: 119 Resp: 399137

Ion Ratio Lower Upper

119 100

91 58.7 29.5 88.5

134 22.3 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V

400000

300000

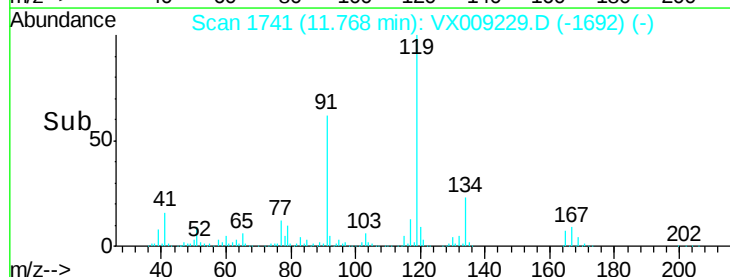
200000

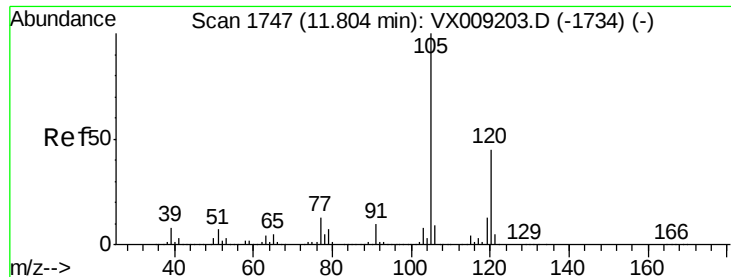
100000

0

11.70 11.75 11.80

Time-->





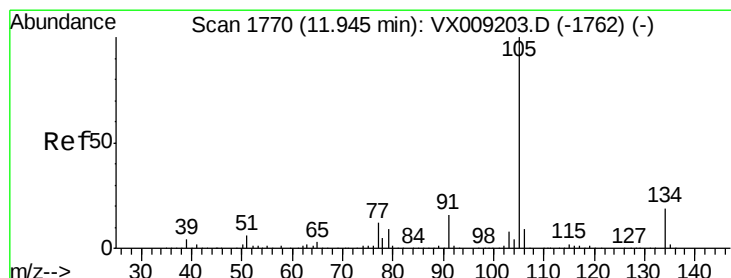
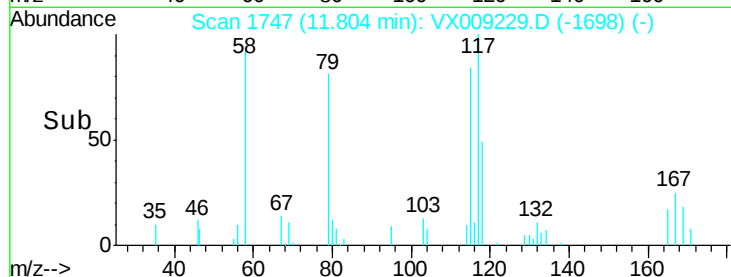
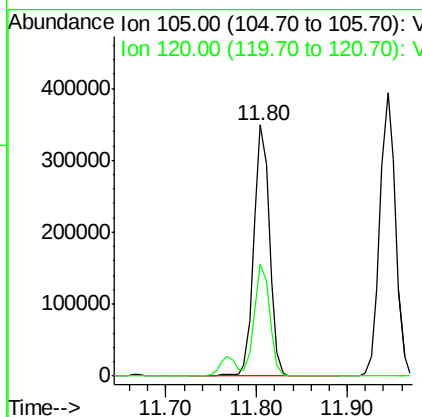
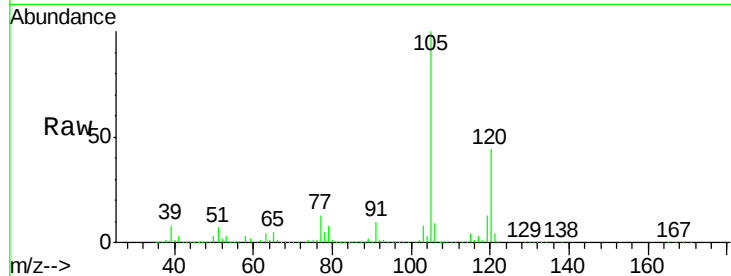
#84
1,2,4-Trimethylbenzene
Concen: 48.003 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009229.D
Acq: 29 Apr 2019 23:46

Instrument :
MSVOA_X
ClientSampleId :
WP021MW038-190423MS

Tot Ion:105 Resp: 417480
Ion Ratio Lower Upper
105 100
120 43.6 22.0 66.0

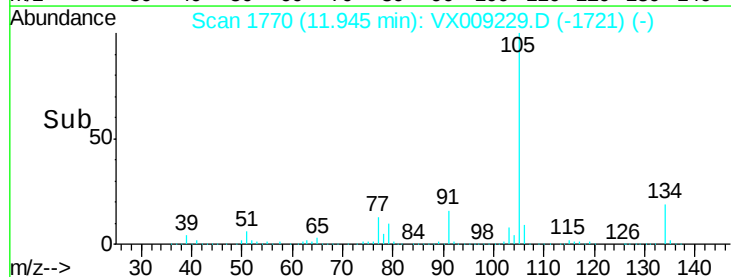
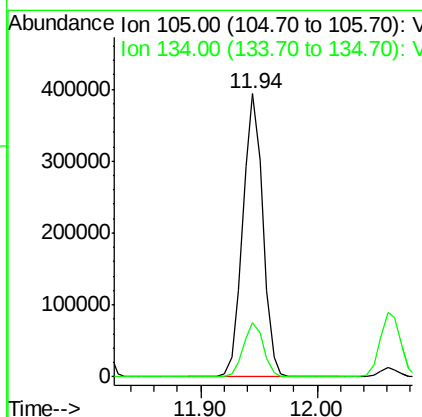
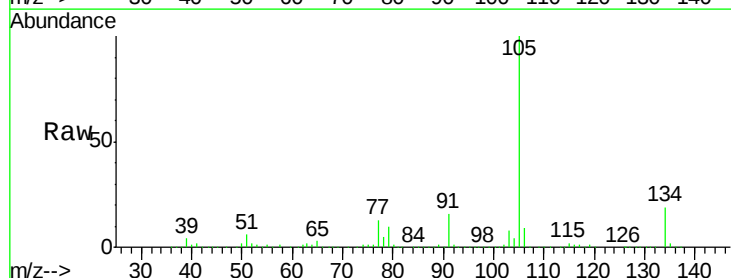
Manual Integrations
APPROVED

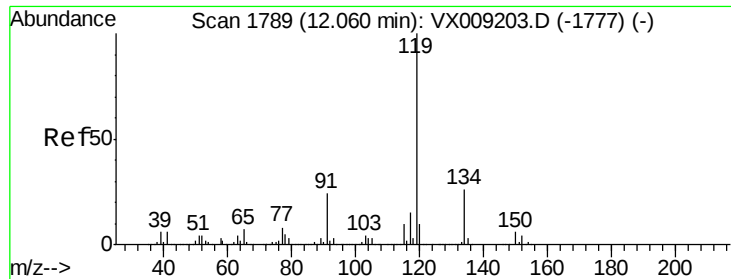
MMDadoda
4/30/2019 11:04:00 AM



#85
sec-Butylbenzene
Concen: 47.241 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. 0.00 min
Lab File: VX009229.D
Acq: 29 Apr 2019 23:46

Tgt Ion:105 Resp: 472071
Ion Ratio Lower Upper
105 100
134 19.2 9.7 28.9





#86

p-Isopropyltoluene

Concen: 47.576 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

Instrument :

MSVOA_X

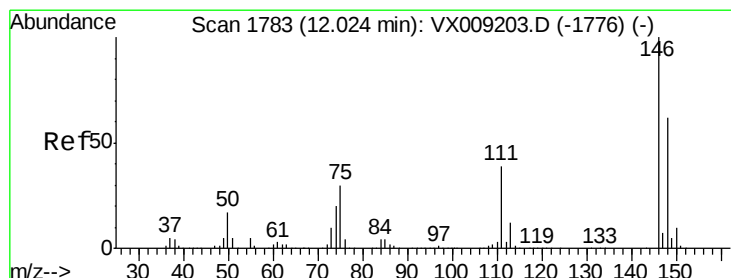
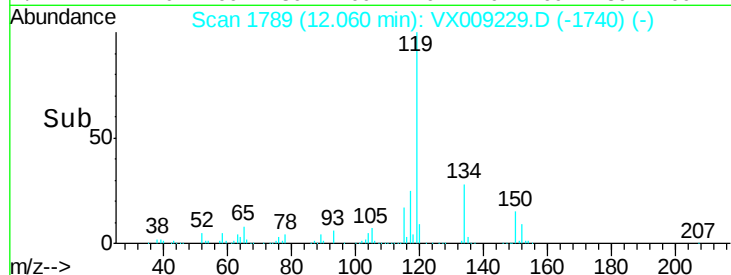
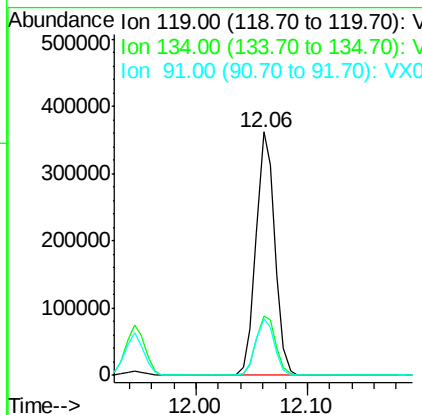
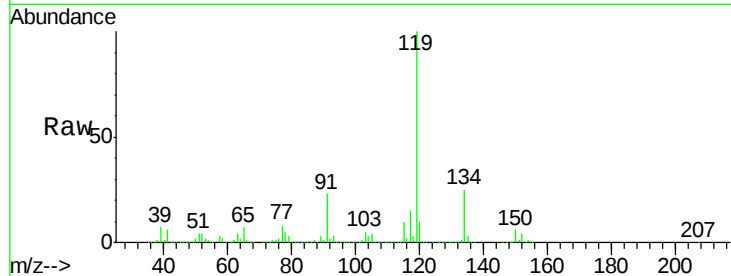
ClientSampleId :

WP021MW038-190423MS

Tot Ion:	119	Resp:	427398
Ion Ratio	Lower	Upper	
119	100		
134	25.8	12.9	38.7
91	23.5	11.8	35.4

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:04:00 AM



#87

1,3-Dichlorobenzene

Concen: 46.891 ug/l

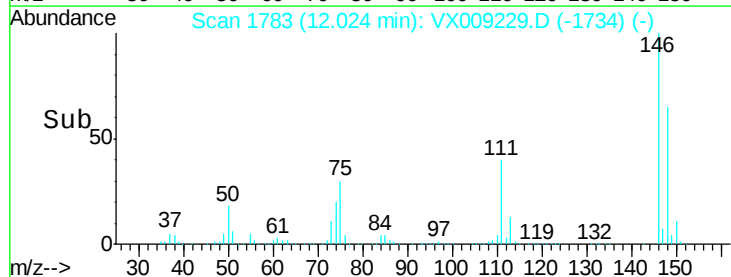
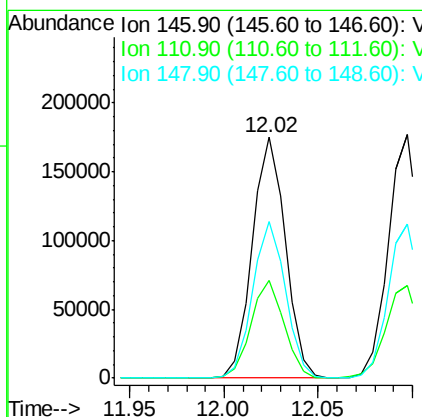
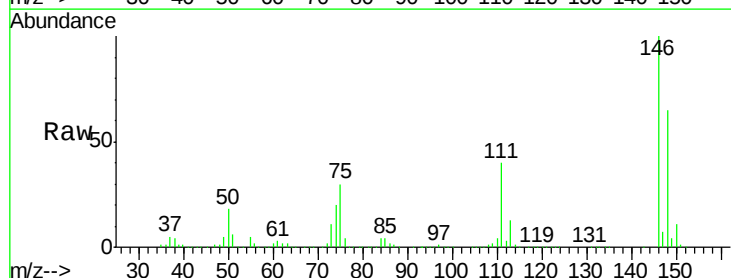
RT: 12.02 min Scan# 1783

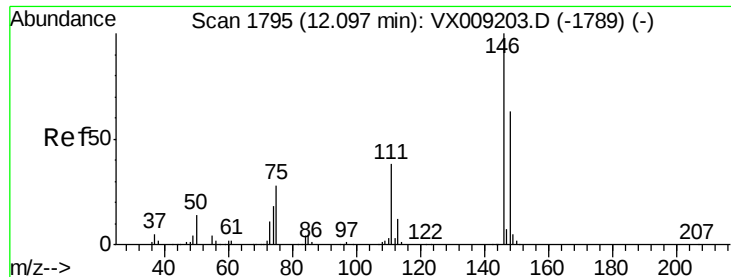
Delta R.T. 0.00 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

Tgt Ion:	146	Resp:	213502
Ion Ratio	Lower	Upper	
146	100		
111	40.4	20.0	59.9
148	64.6	31.8	95.3





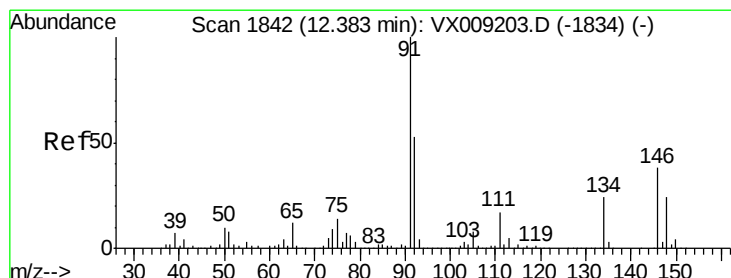
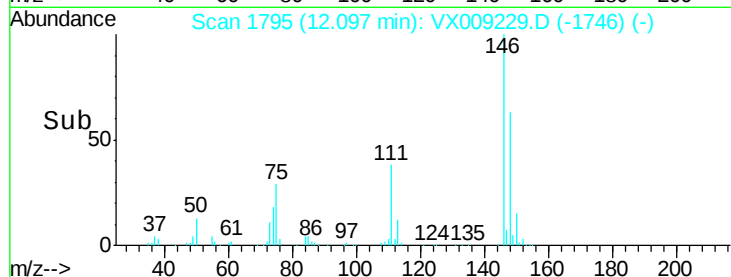
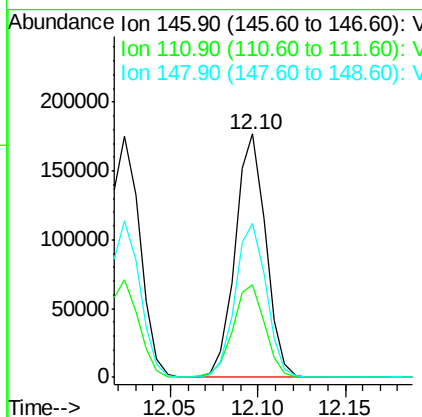
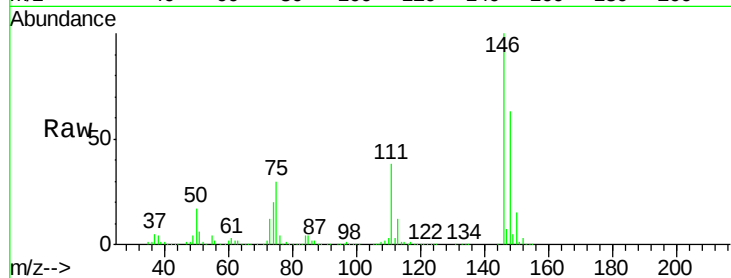
#88
 1,4-Dichlorobenzene
 Concen: 46.709 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009229.D
 Acq: 29 Apr 2019 23:46

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW038-190423MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.6	58.8
148	64.8	31.8	95.3

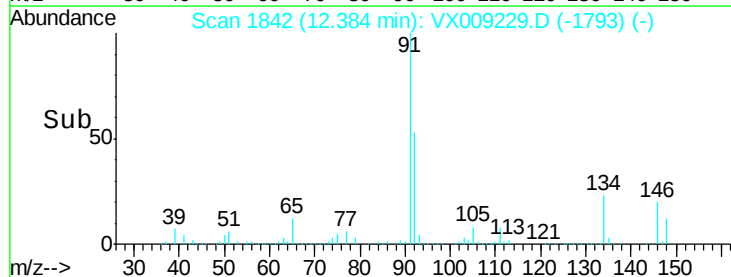
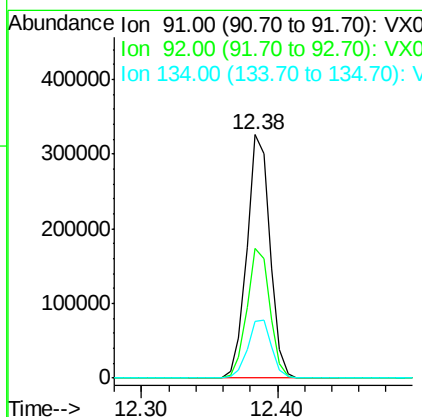
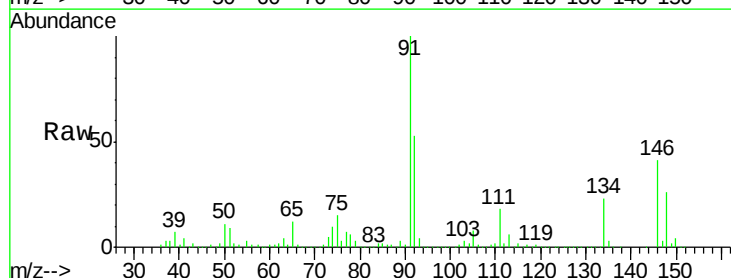
Manual Integrations
 APPROVED

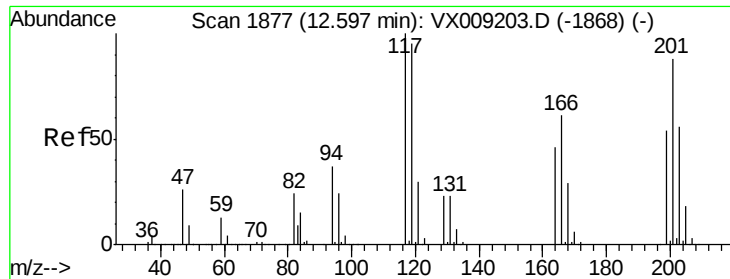
MMDadoda
 4/30/2019 11:04:00 AM



#89
 n-Butylbenzene
 Concen: 47.654 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX009229.D
 Acq: 29 Apr 2019 23:46

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.5	79.5
134	24.7	12.4	37.2





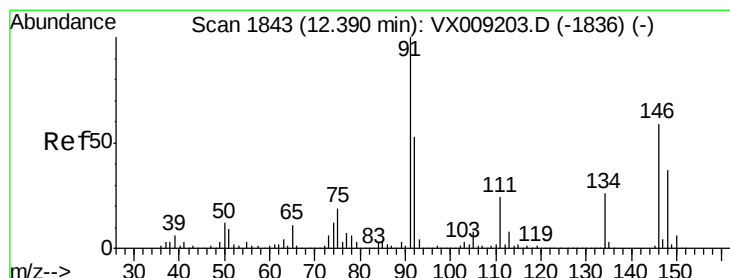
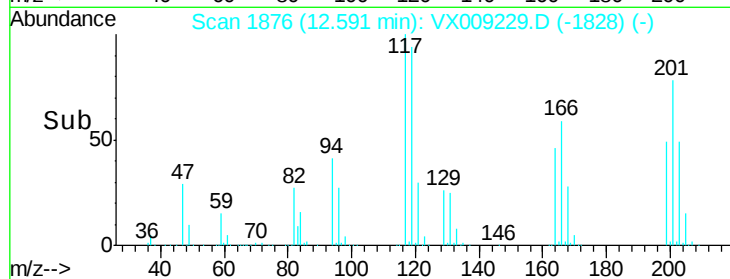
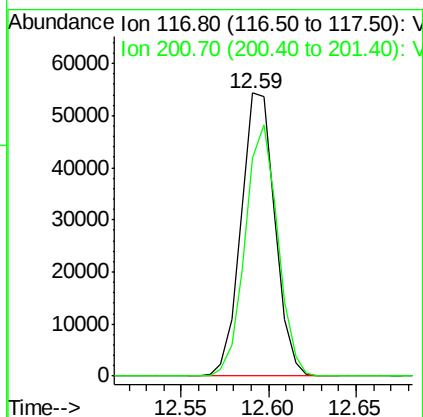
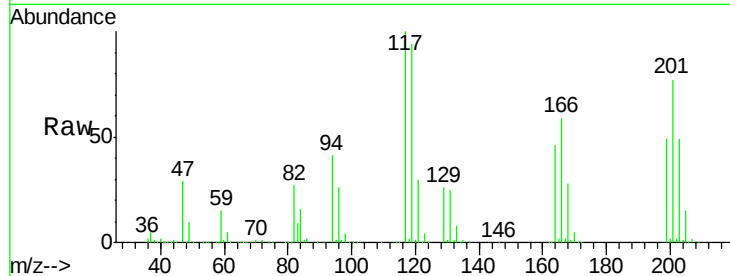
#90
Hexachloroethane
Concen: 47.688 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009229.D
Acq: 29 Apr 2019 23:46

Instrument :
MSVOA_X
ClientSampleId :
WP021MW038-190423MS

Tot Ion:117 Resp: 72987
Ion Ratio Lower Upper
117 100
201 85.7 42.3 126.9

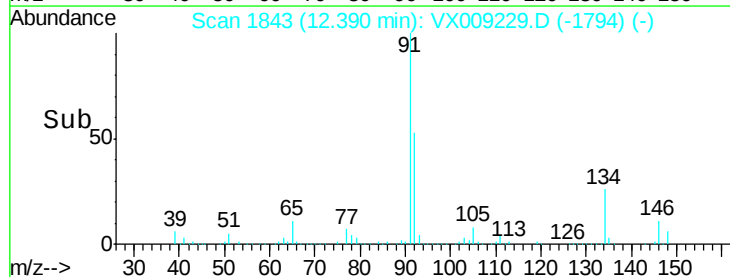
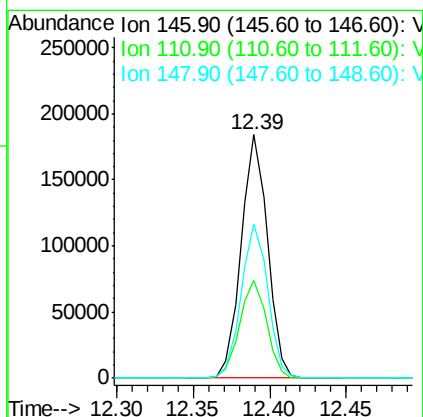
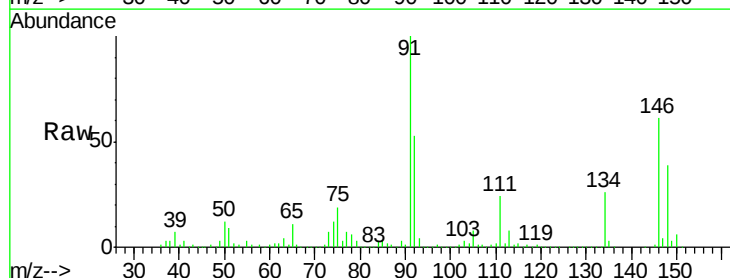
Manual Integrations
APPROVED

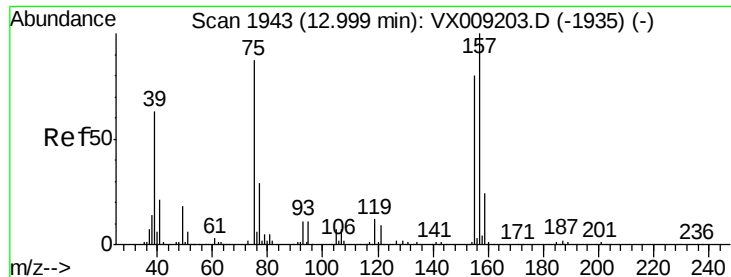
MMDadoda
4/30/2019 11:04:00 AM



#91
1,2-Dichlorobenzene
Concen: 47.432 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX009229.D
Acq: 29 Apr 2019 23:46

Tgt Ion:146 Resp: 219971
Ion Ratio Lower Upper
146 100
111 41.2 20.8 62.4
148 64.0 31.9 95.9





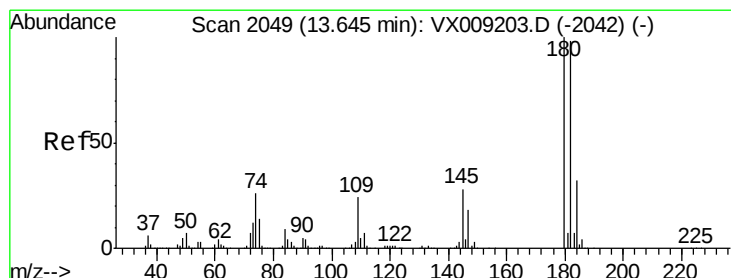
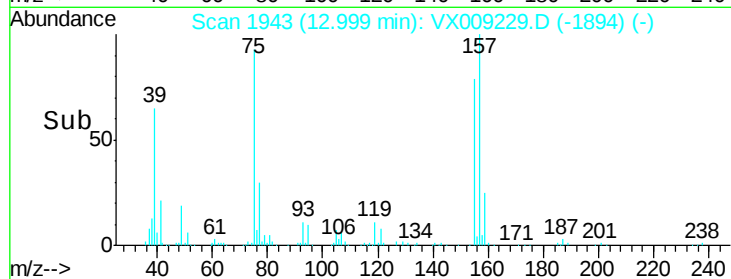
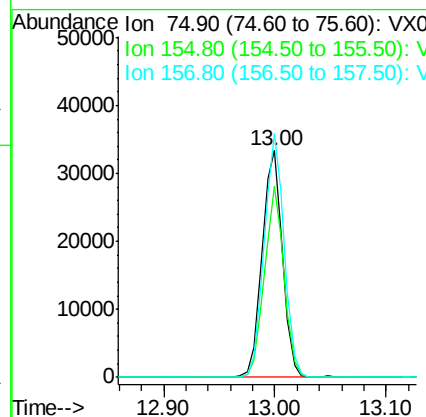
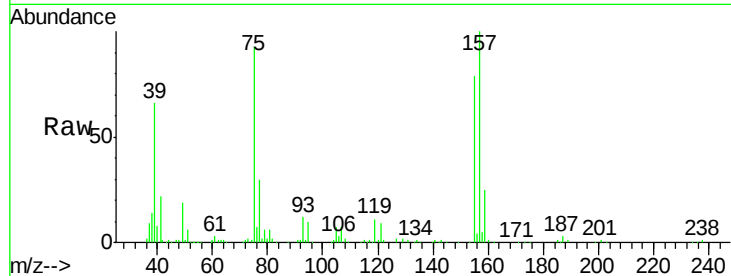
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.453 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009229.D
 Acq: 29 Apr 2019 23:46

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW038-190423MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	80.8	42.0	126.0
157	105.6	53.2	159.6

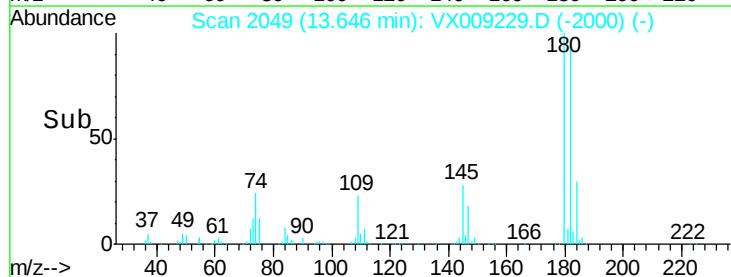
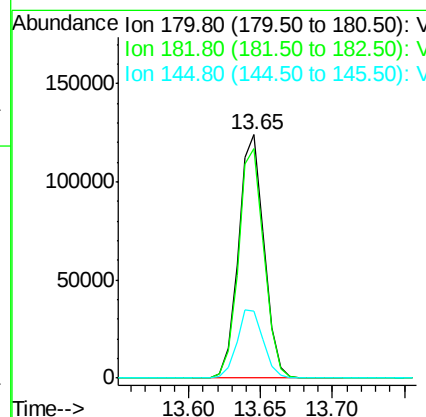
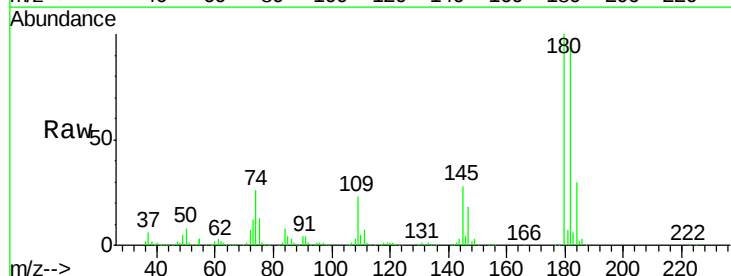
Manual Integrations
 APPROVED

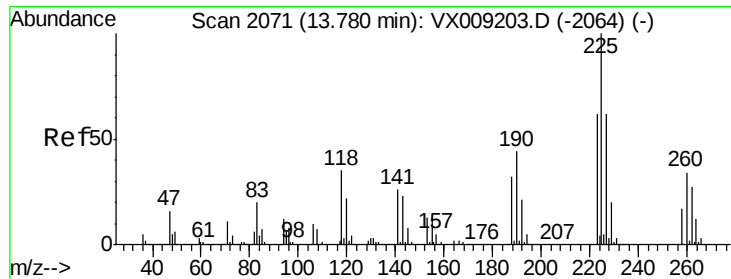
MMDadoda
 4/30/2019 11:04:00 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 48.255 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009229.D
 Acq: 29 Apr 2019 23:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.4	145.2
145	29.3	14.6	43.8





#94

Hexachlorobutadiene

Concen: 45.732 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

Instrument :

MSVOA_X

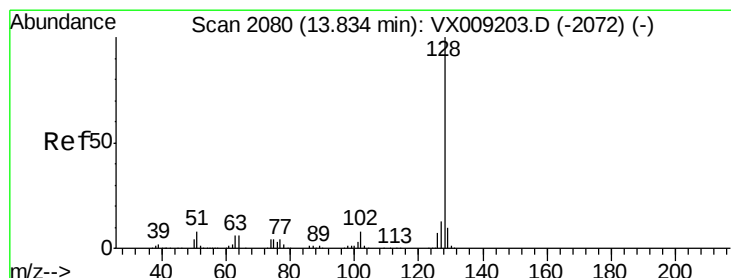
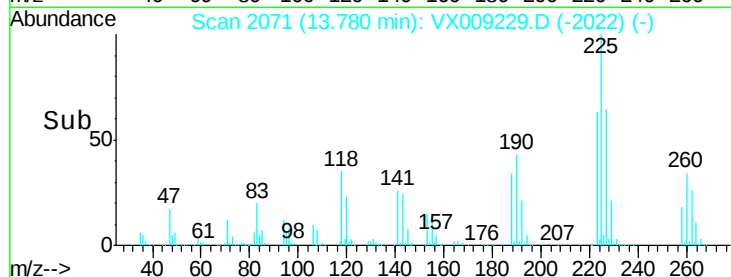
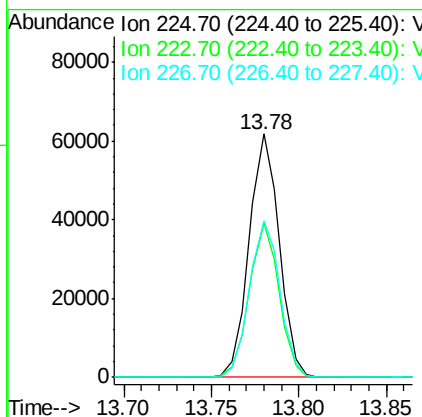
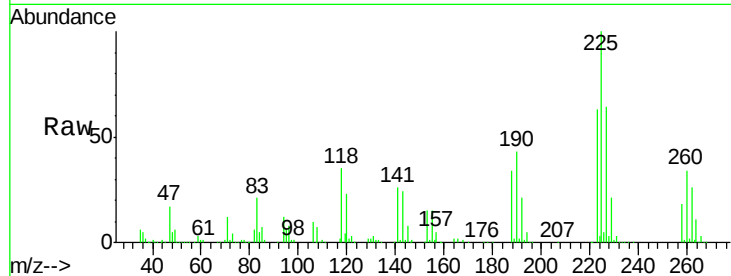
ClientSampleId :

WP021MW038-190423MS

Tot Ion:	225	Resp:	74062
Ion Ratio		Lower	Upper
225	100		
223	62.7	31.3	93.8
227	65.0	31.8	95.3

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:04:00 AM



#95

Naphthalene

Concen: 49.134 ug/l

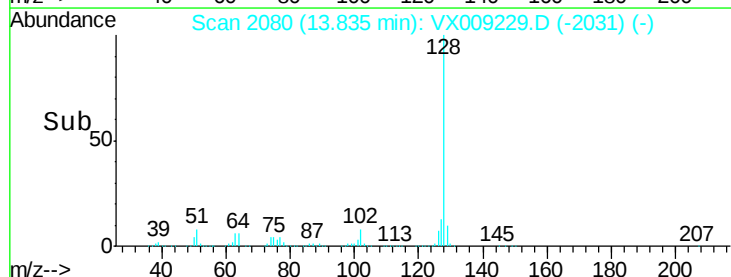
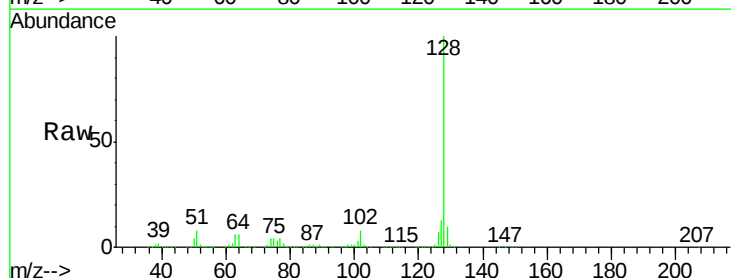
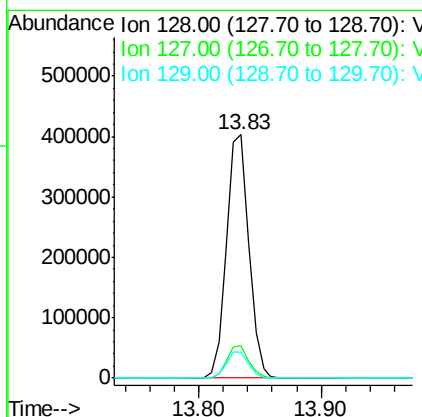
RT: 13.83 min Scan# 2080

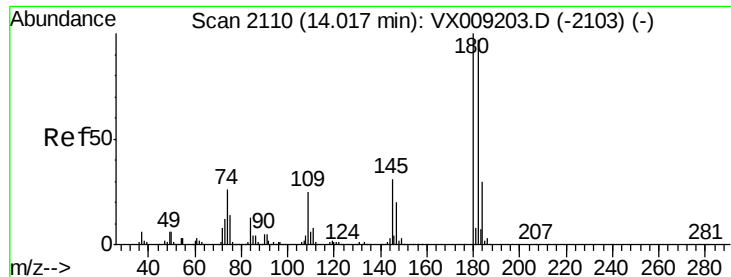
Delta R.T. 0.00 min

Lab File: VX009229.D

Acq: 29 Apr 2019 23:46

Tgt Ion:	128	Resp:	506950
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.7	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 47.946 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX009229.D
 Acq: 29 Apr 2019 23:46

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW038-190423MS

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	95.0	47.8	143.4
145	31.9	15.4	46.4

Manual Integrations
 APPROVED

MMDadoda
 4/30/2019 11:04:00 AM

