

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041519\
 Data File : VX008953.D
 Acq On : 15 Apr 2019 11:09
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 10:52:55 AM

Quant Time: Apr 16 02:03:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 01:38:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	245026	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	393592	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	352082	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	165998	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	163596	46.62	ug/l	0.00
Spiked Amount			Recovery	=	93.24%	
35) Dibromofluoromethane	5.50	113	122336	48.94	ug/l	0.00
Spiked Amount			Recovery	=	97.88%	
50) Toluene-d8	8.71	98	496397	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
62) 4-Bromofluorobenzene	11.13	95	176297	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	142331	50.279	ug/l	100
3) Chloromethane	1.32	50	161234	41.911	ug/l	100
4) Vinyl Chloride	1.41	62	162496	43.525	ug/l	100
5) Bromomethane	1.64	94	92053	44.659	ug/l	100
6) Chloroethane	1.72	64	96228	38.777	ug/l	100
7) Trichlorofluoromethane	1.93	101	188516	45.450	ug/l	100
8) Diethyl Ether	2.19	74	83998	43.029	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	117331	44.167	ug/l	100
10) Methyl Iodide	2.51	142	132001	58.475	ug/l	100
11) Tert butyl alcohol	3.04	59	182663	223.847	ug/l	100
12) 1,1-Dichloroethene	2.37	96	122531	44.060	ug/l	100
13) Acrolein	2.29	56	166036	355.081	ug/l	100
14) Allyl chloride	2.73	41	280279	44.185	ug/l	100
15) Acrylonitrile	3.14	53	464598	215.190	ug/l	100
16) Acetone	2.45	43	435292	218.721	ug/l	100
17) Carbon Disulfide	2.57	76	366759	41.085	ug/l	100
18) Methyl Acetate	2.78	43	201199	41.315	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	446531	45.104	ug/l	100
20) Methylene Chloride	2.85	84	137586	40.941	ug/l	100
21) trans-1,2-Dichloroethene	3.17	96	130328	43.278	ug/l	100
22) Diisopropyl ether	3.85	45	530389	43.476	ug/l	100
23) Vinyl Acetate	3.82	43	2428891	228.460	ug/l	100
24) 1,1-Dichloroethane	3.70	63	261906	43.389	ug/l	100
25) 2-Butanone	4.67	43	702713	222.309	ug/l	100
26) 2,2-Dichloropropane	4.59	77	198600	46.348	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	148627	43.098	ug/l	100
28) Bromochloromethane	5.02	49	112781	39.686	ug/l	100
29) Tetrahydrofuran	5.13	42	457021	217.056	ug/l	100
30) Chloroform	5.21	83	236820	43.841	ug/l	100
31) Cyclohexane	5.58	56	261411	43.192	ug/l	100
32) 1,1,1-Trichloroethane	5.50	97	199579	45.610	ug/l	100
36) 1,1-Dichloropropene	5.80	75	189270	44.721	ug/l	100
37) Ethyl Acetate	4.84	43	263009	46.741	ug/l	100
38) Carbon Tetrachloride	5.79	117	167451	47.706	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041519\
 Data File : VX008953.D
 Acq On : 15 Apr 2019 11:09
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 10:52:55 AM

Quant Time: Apr 16 02:03:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 01:38:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	237949	45.456	ug/l	100
40) Benzene	6.14	78	574349	45.559	ug/l	100
41) Methacrylonitrile	5.04	41	147694	45.518	ug/l	100
42) 1,2-Dichloroethane	6.20	62	201376	44.579	ug/l	100
43) Isopropyl Acetate	6.45	43	413980	46.868	ug/l	100
44) Trichloroethene	7.21	130	137967	46.747	ug/l	100
45) 1,2-Dichloropropane	7.51	63	161387	45.011	ug/l	100
46) Dibromomethane	7.66	93	92356	44.257	ug/l	100
47) Bromodichloromethane	7.90	83	185594	47.169	ug/l	100
48) Methyl methacrylate	7.77	41	206589	46.349	ug/l	100
49) 1,4-Dioxane	7.74	88	70640	851.945	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	1321607	232.868	ug/l	100
52) Toluene	8.79	92	343647	46.250	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	222853	50.341	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	242684	48.121	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	137684	46.131	ug/l	100
56) Ethyl methacrylate	9.18	69	253818	47.160	ug/l	100
57) 1,3-Dichloropropane	9.37	76	244959	45.809	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	681939	245.764	ug/l	100
59) 2-Hexanone	9.49	43	1018509	230.804	ug/l	100
60) Dibromochloromethane	9.58	129	138480	49.140	ug/l	100
61) 1,2-Dibromoethane	9.67	107	144190	46.418	ug/l	100
64) Tetrachloroethene	9.34	164	125983	48.504	ug/l	100
65) Chlorobenzene	10.13	112	348190	45.396	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	126849	47.158	ug/l	100
67) Ethyl Benzene	10.25	91	649635	45.548	ug/l	100
68) m/p-Xylenes	10.36	106	471463	91.804	ug/l	100
69) o-Xylene	10.69	106	228091	45.817	ug/l	100
70) Styrene	10.71	104	401447	46.777	ug/l	100
71) Bromoform	10.85	173	103919	50.331	ug/l	100
73) Isopropylbenzene	11.02	105	611296	45.487	ug/l	100
74) N-amyl acetate	10.90	43	354956	44.924	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	218295	42.826	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	191263m	42.958	ug/l	
77) Bromobenzene	11.26	156	149319	45.960	ug/l	100
78) n-propylbenzene	11.36	91	714552	45.689	ug/l	100
79) 2-Chlorotoluene	11.42	91	415321	43.903	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	511919	45.453	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	82484	50.647	ug/l	100
82) 4-Chlorotoluene	11.51	91	483993	44.177	ug/l	100
83) tert-Butylbenzene	11.77	119	484728	44.684	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	515658	45.195	ug/l	100
85) sec-Butylbenzene	11.94	105	590545	45.825	ug/l	100
86) p-Isopropyltoluene	12.06	119	541190	46.645	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	262378	45.134	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	261814	44.405	ug/l	100
89) n-Butylbenzene	12.39	91	513206	47.215	ug/l	100
90) Hexachloroethane	12.60	117	91996	47.760	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	257668	44.647	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	49599	44.103	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041519\
Data File : VX008953.D
Acq On : 15 Apr 2019 11:09
Operator : JC/SP
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

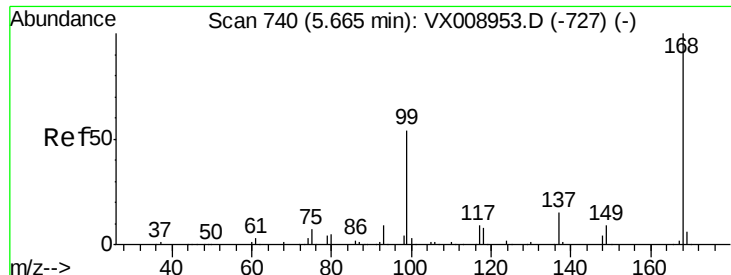
Manual Integrations
APPROVED

MMDadoda
4/16/2019 10:52:55 AM

Quant Time: Apr 16 02:03:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 16 01:38:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	189149	46.740	ug/l	100
94) Hexachlorobutadiene	13.78	225	94271	48.605	ug/l	100
95) Naphthalene	13.83	128	607532	45.333	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	184281	45.671	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008953.D

Acq: 15 Apr 2019 11:09

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion:168 Resp: 245026

Ion Ratio Lower Upper

168 100

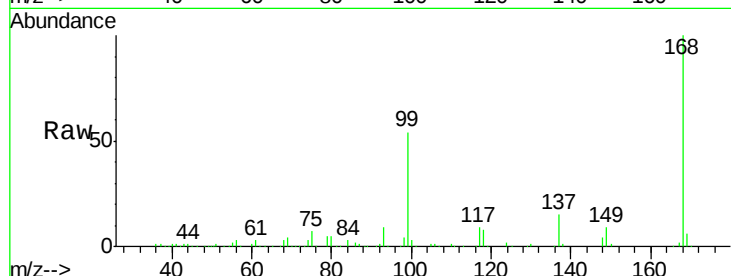
99 53.8 43.0 64.6

Manual Integrations

APPROVED

MMDadoda

4/16/2019 10:52:55 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

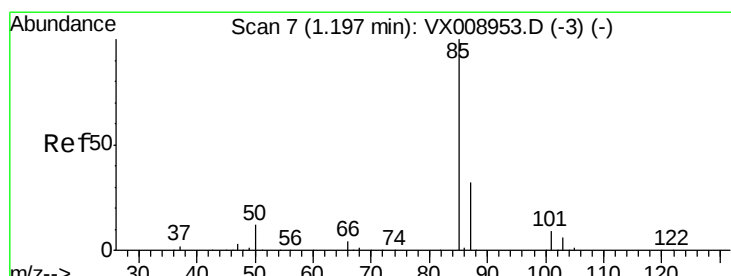
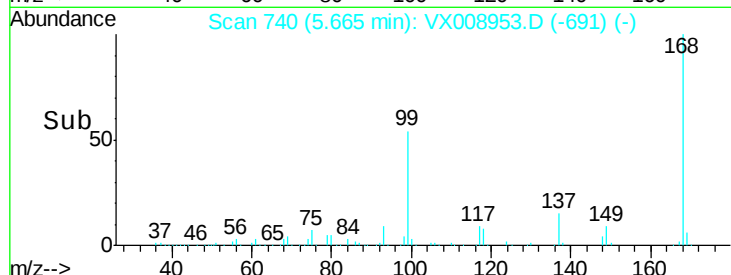
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 50.279 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008953.D

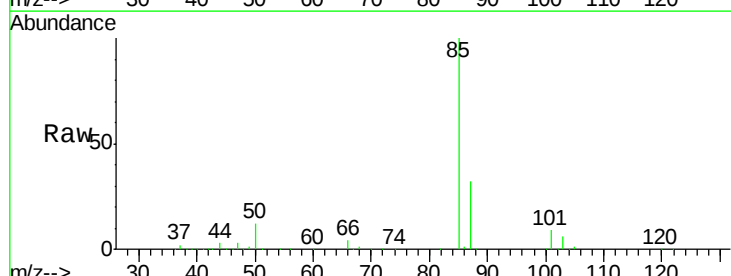
Acq: 15 Apr 2019 11:09

Tgt Ion: 85 Resp: 142331

Ion Ratio Lower Upper

85 100

87 31.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

150000

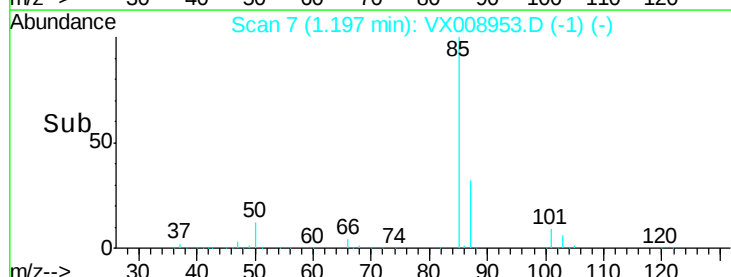
100000

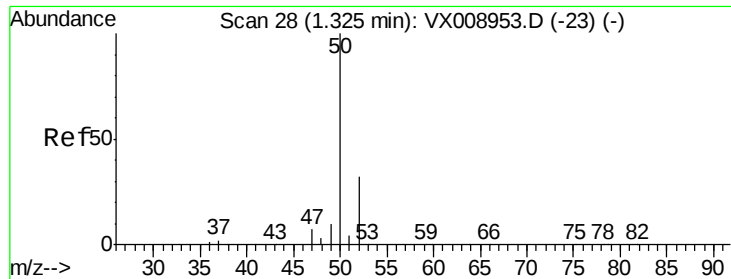
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 41.911 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008953.D

Acq: 15 Apr 2019 11:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 161234

Ion Ratio Lower Upper

50 100

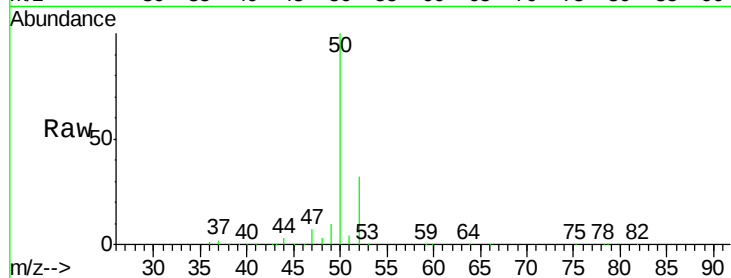
52 31.9 25.5 38.3

Manual Integrations

APPROVED

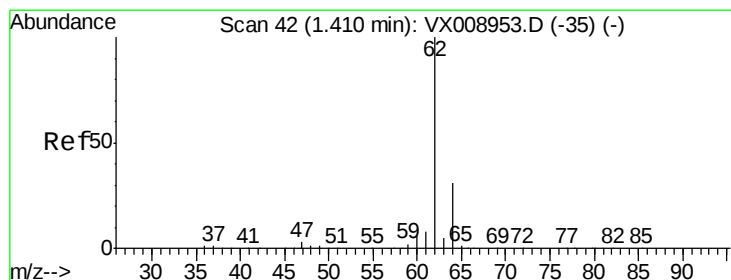
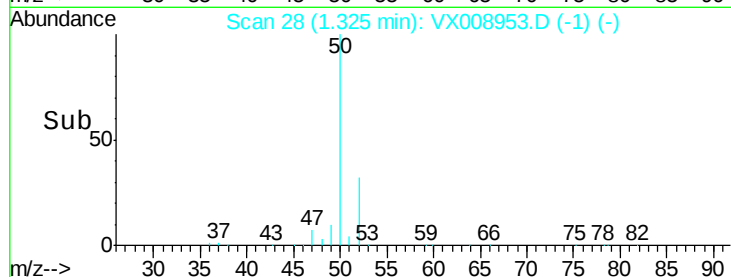
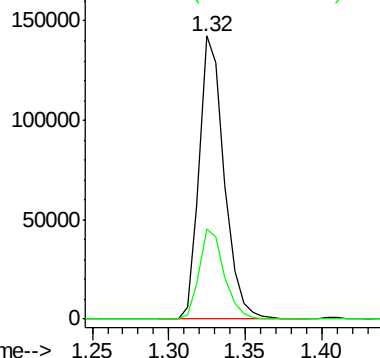
MMDadoda

4/16/2019 10:52:55 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 43.525 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008953.D

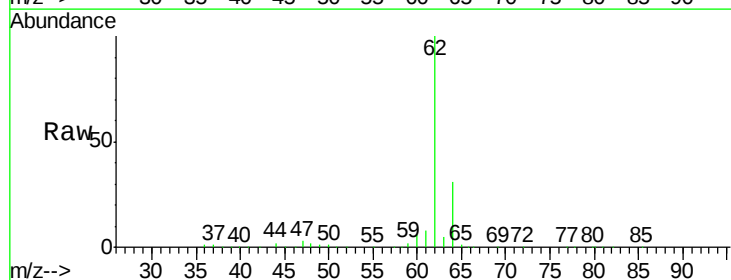
Acq: 15 Apr 2019 11:09

Tgt Ion: 62 Resp: 162496

Ion Ratio Lower Upper

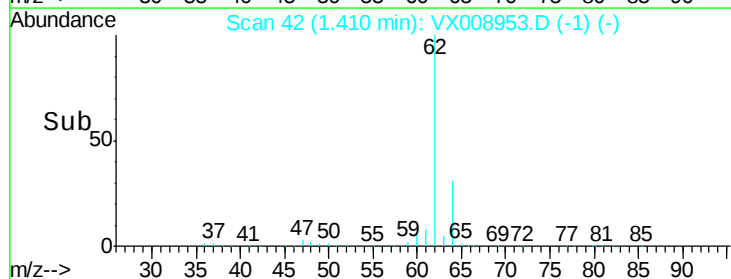
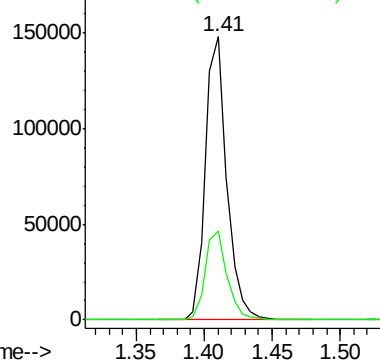
62 100

64 31.2 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 44.659 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008953.D

Acq: 15 Apr 2019 11:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 92053

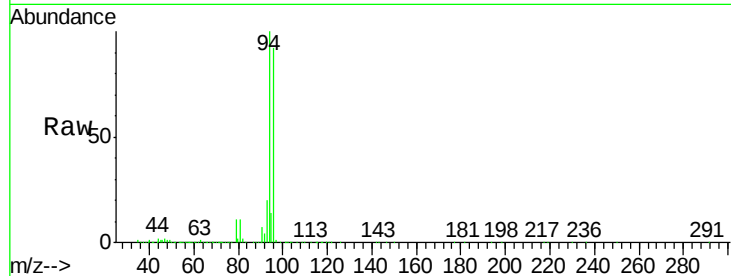
Ion Ratio Lower Upper

94 100

96 92.4 73.9 110.9

Manual Integrations
APPROVED

MMDadoda
4/16/2019 10:52:55 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

100000

80000

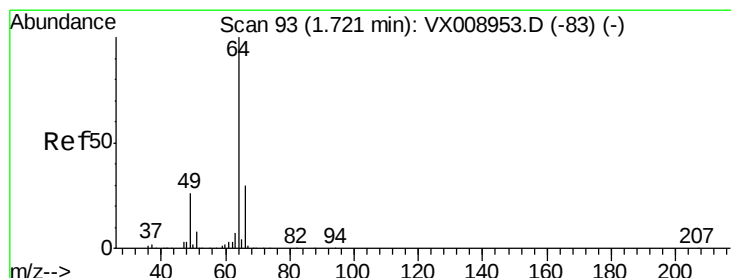
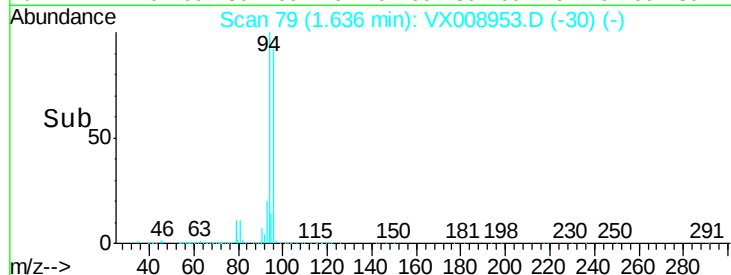
60000

40000

20000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 38.777 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX008953.D

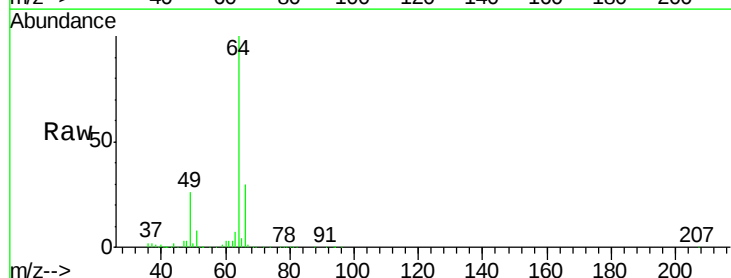
Acq: 15 Apr 2019 11:09

Tgt Ion: 64 Resp: 96228

Ion Ratio Lower Upper

64 100

66 30.2 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

80000

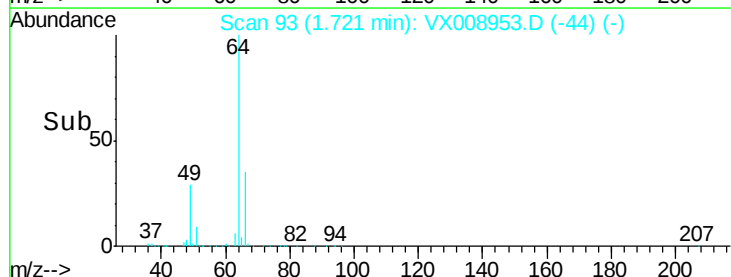
60000

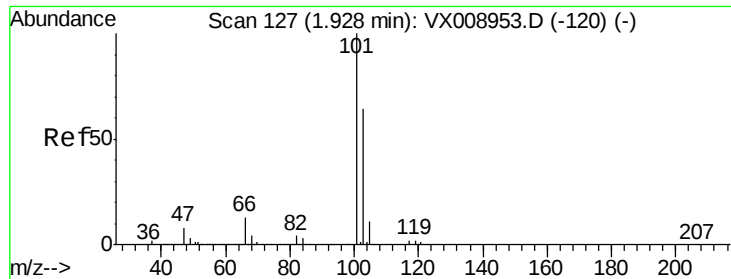
40000

20000

0

Time--> 1.60 1.70 1.80 1.90





#7

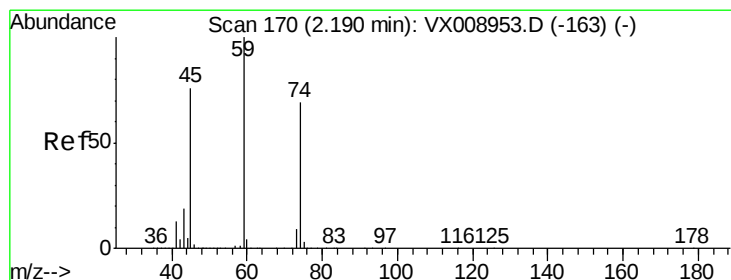
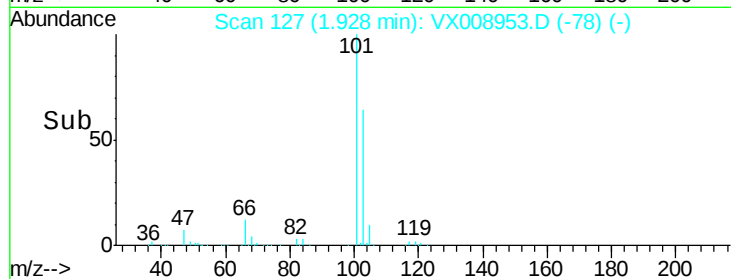
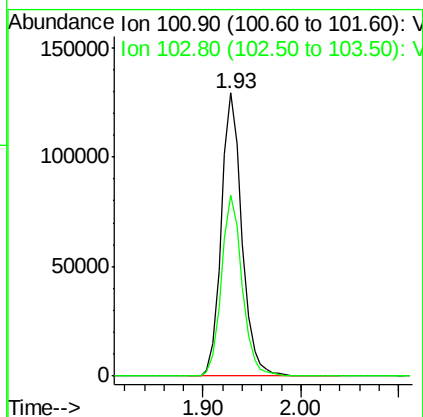
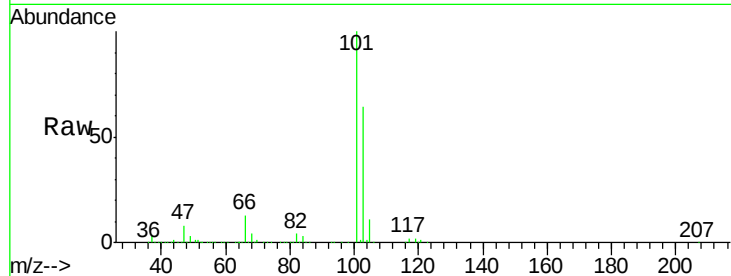
Trichlorofluoromethane
Concen: 45.450 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX008953.D
Acq: 15 Apr 2019 11:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	188516		
103	63.8	51.0	76.6	

Manual Integrations
APPROVED

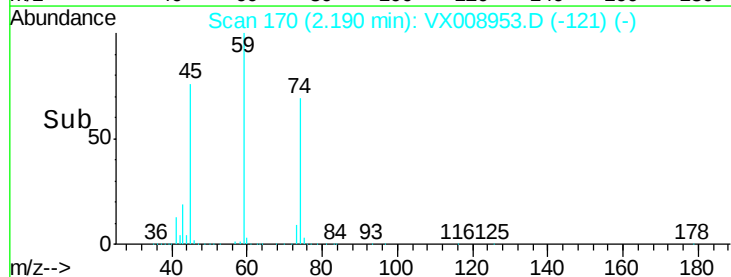
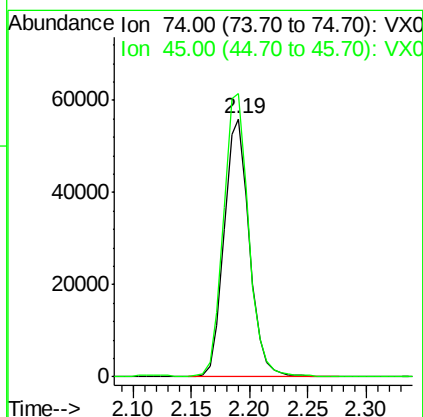
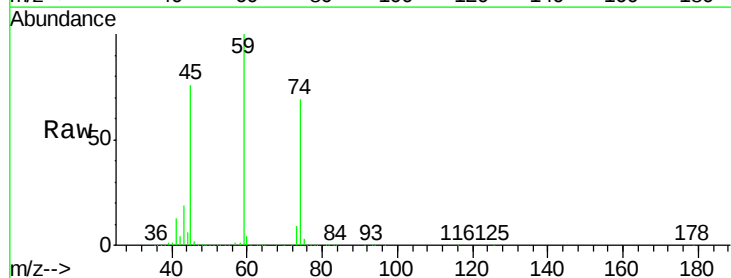
MMDadoda
4/16/2019 10:52:55 AM

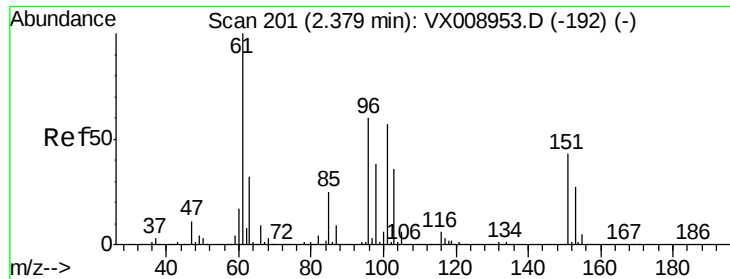


#8

Diethyl Ether
Concen: 43.029 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX008953.D
Acq: 15 Apr 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	83998		
45	109.9	54.9	164.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.167 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX008953.D

Acq: 15 Apr 2019 11:09

Instrument :

MSVOA_X

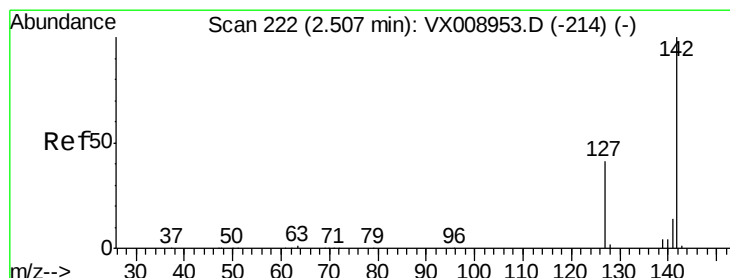
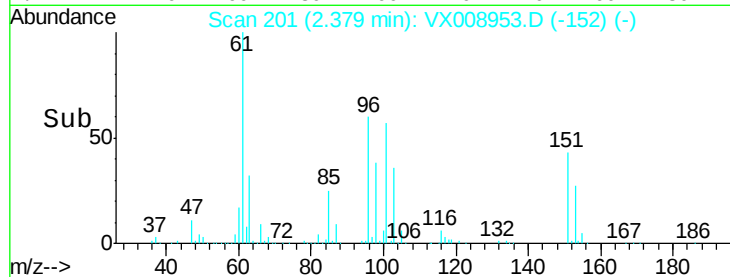
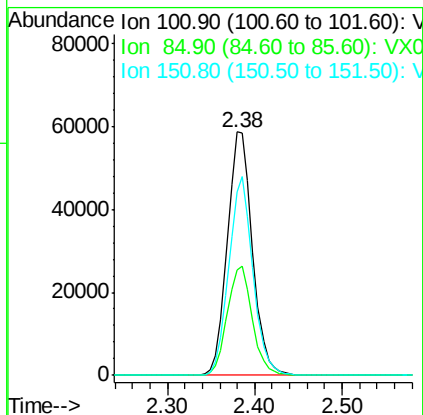
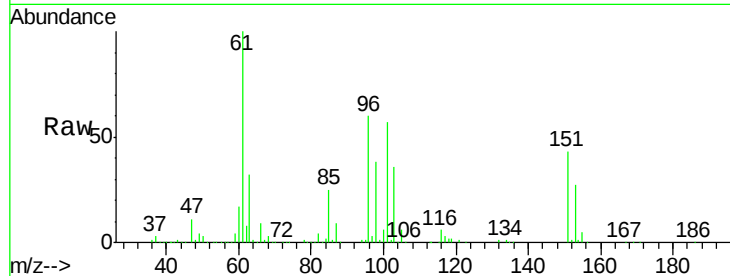
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	117331
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.7	53.5
151	78.4	62.7	94.1

Manual Integrations
APPROVED

MMDadoda
4/16/2019 10:52:55 AM



#10

Methyl Iodide

Concen: 58.475 ug/l

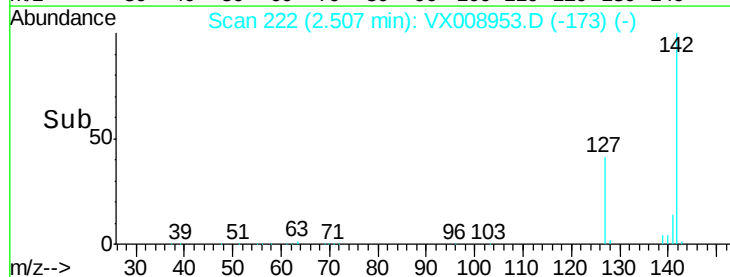
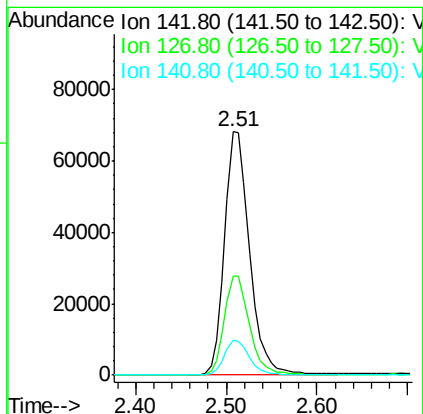
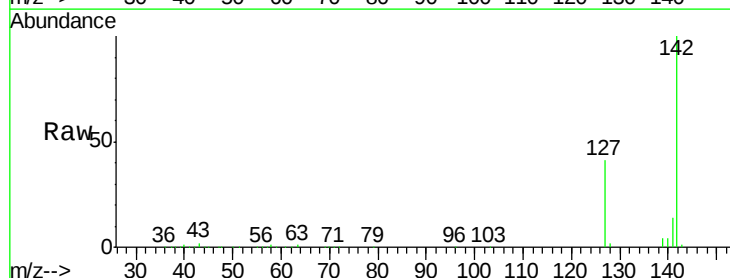
RT: 2.51 min Scan# 222

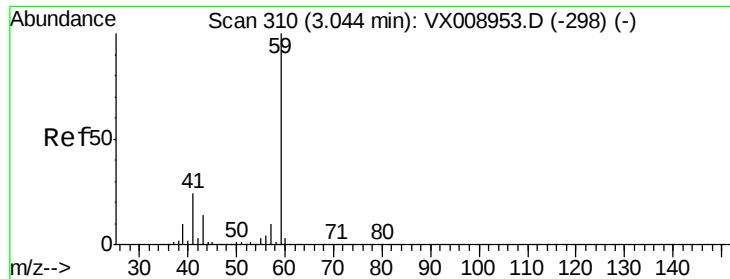
Delta R.T. 0.00 min

Lab File: VX008953.D

Acq: 15 Apr 2019 11:09

Tgt Ion:	142	Resp:	132001
Ion Ratio	Lower	Upper	
142	100		
127	41.0	32.8	49.2
141	14.3	11.4	17.2





#11

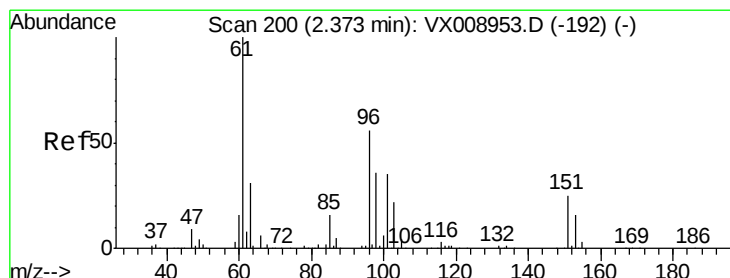
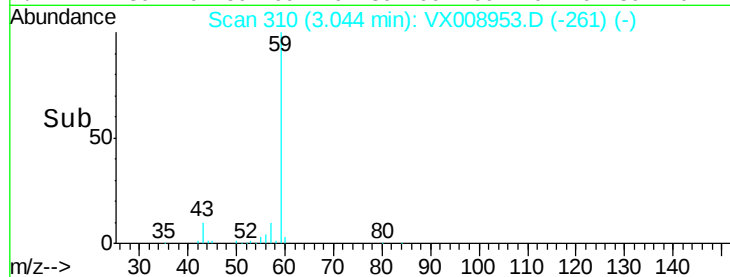
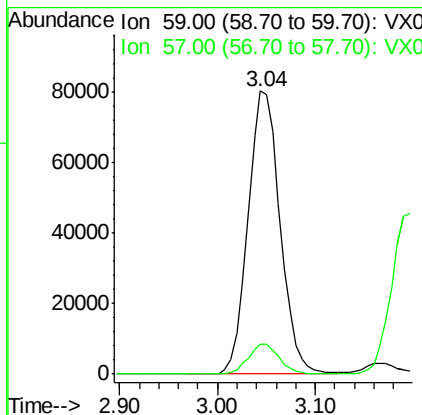
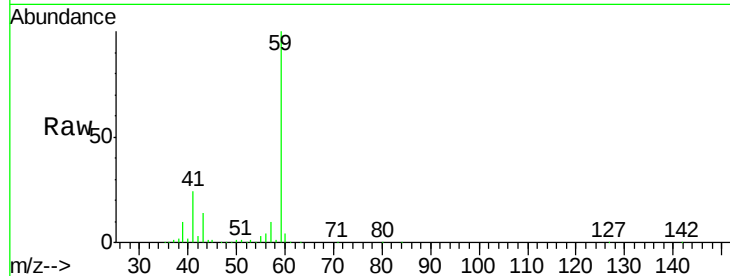
Tert butyl alcohol
 Concen: 223.847 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. 0.00 min
 Lab File: VX008953.D
 Acq: 15 Apr 2019 11:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.4	12.6

Manual Integrations
 APPROVED

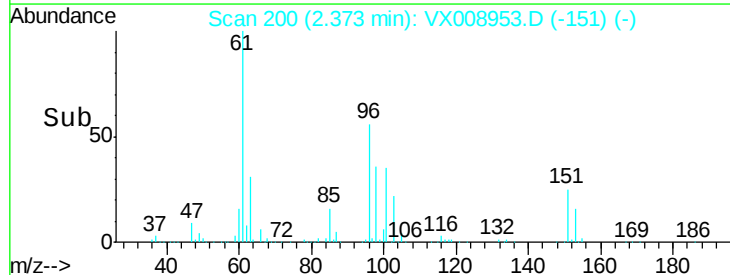
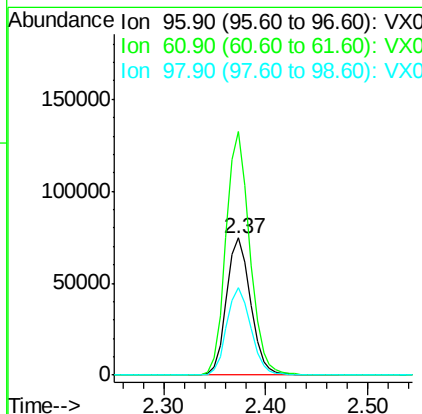
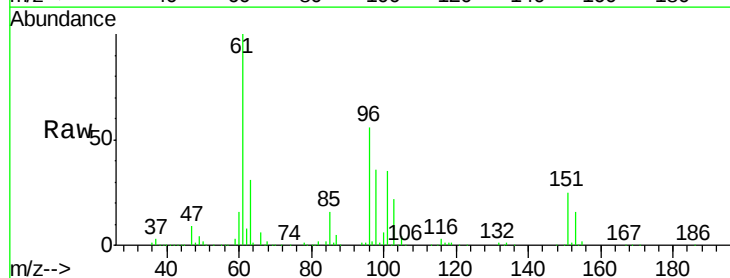
MMDadoda
 4/16/2019 10:52:55 AM

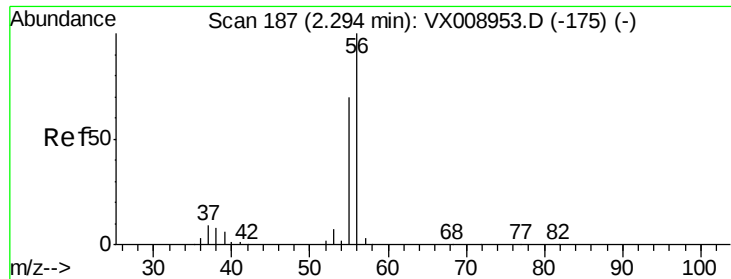


#12

1,1-Dichloroethene
 Concen: 44.060 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX008953.D
 Acq: 15 Apr 2019 11:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.7	142.2	213.2
98	63.6	50.9	76.3





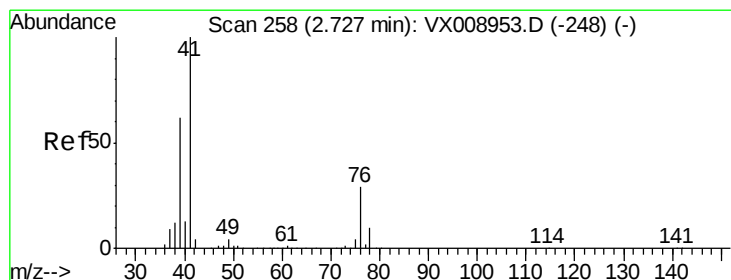
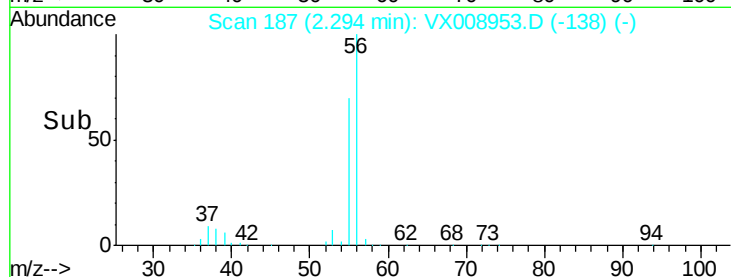
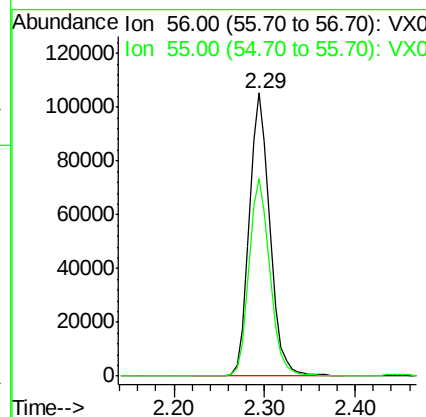
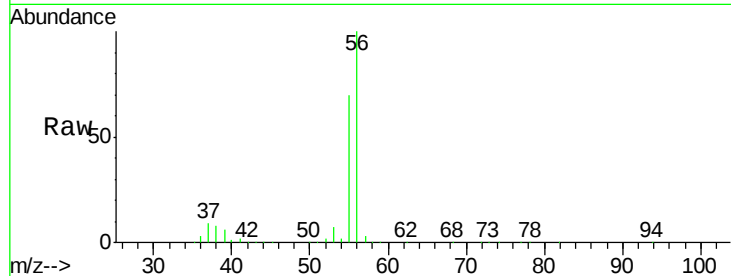
#13
Acrolein
Concen: 355.081 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX008953.D
Acq: 15 Apr 2019 11:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.7	56.6	84.8

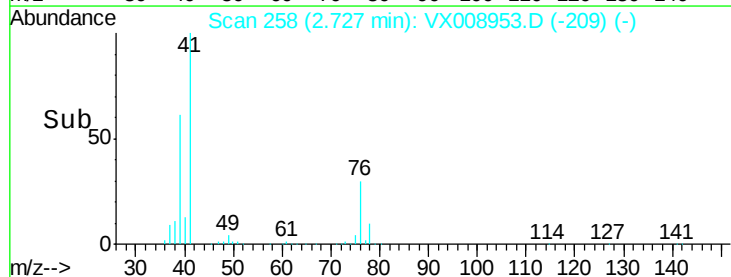
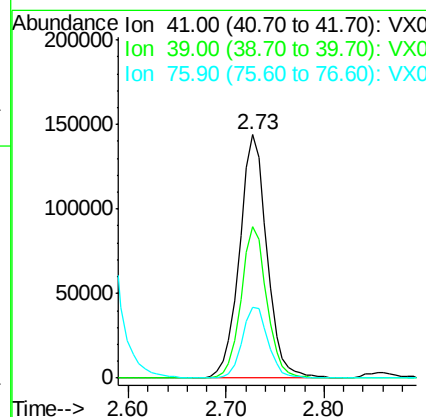
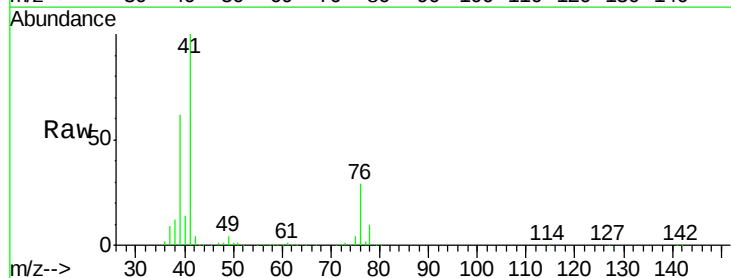
Manual Integrations
APPROVED

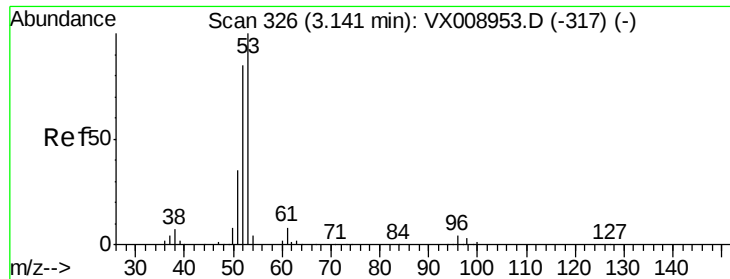
MMDadoda
4/16/2019 10:52:55 AM



#14
Allyl chloride
Concen: 44.185 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX008953.D
Acq: 15 Apr 2019 11:09

Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.4	46.7	70.1
76	27.5	22.0	33.0





#15

Acrylonitrile

Concen: 215.190 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX008953.D

Acq: 15 Apr 2019 11:09

Instrument :

MSVOA_X

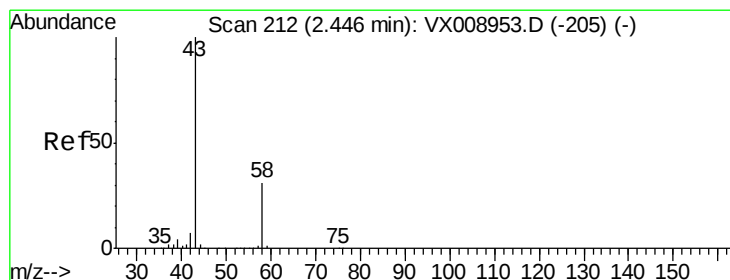
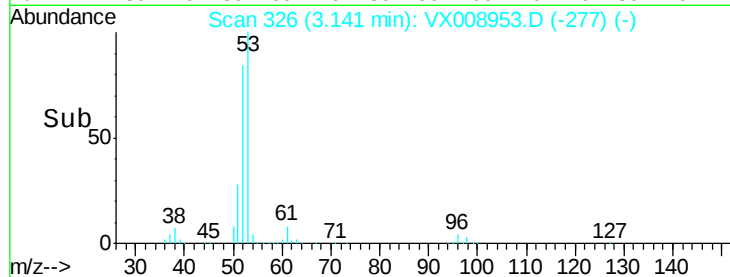
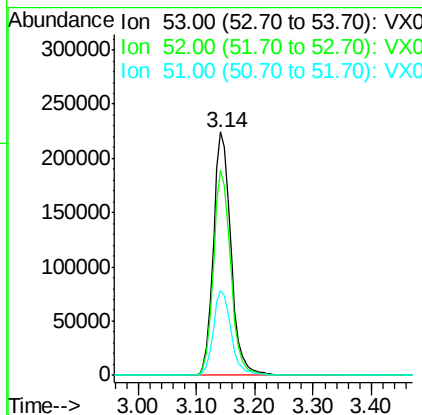
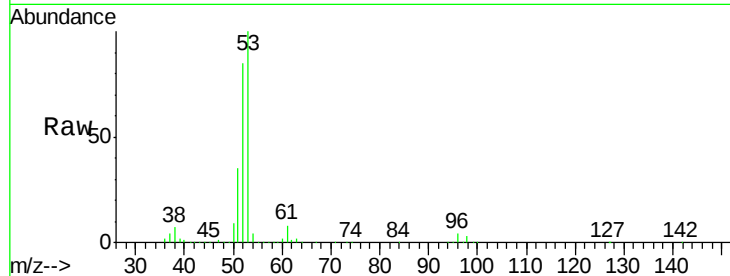
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	464598
Ion Ratio		Lower	Upper
53	100		
52	83.3	66.6	100.0
51	35.4	28.3	42.5

Manual Integrations
APPROVED

MMDadoda
4/16/2019 10:52:55 AM



#16

Acetone

Concen: 218.721 ug/l

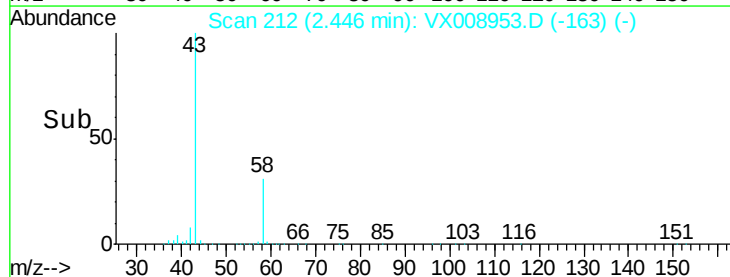
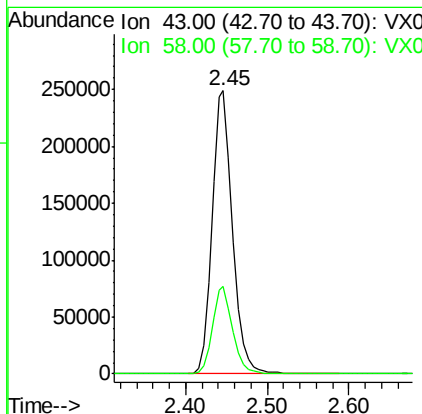
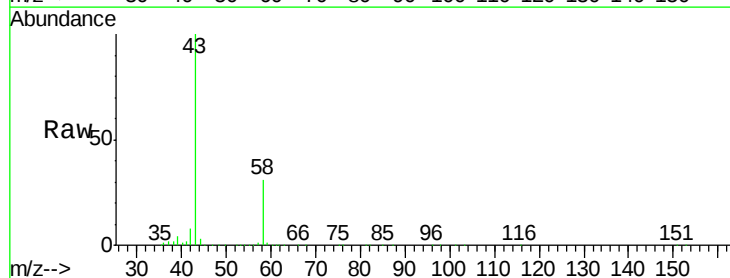
RT: 2.45 min Scan# 212

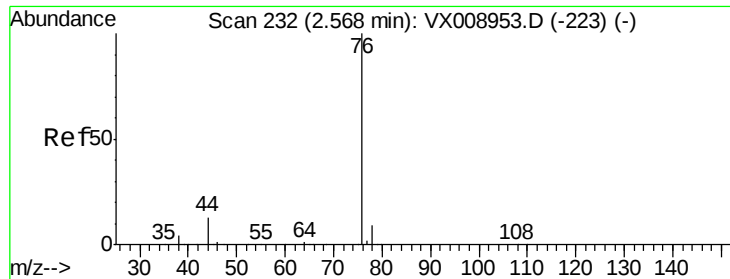
Delta R.T. 0.00 min

Lab File: VX008953.D

Acq: 15 Apr 2019 11:09

Tgt Ion:	43	Resp:	435292
Ion Ratio		Lower	Upper
43	100		
58	31.0	24.8	37.2





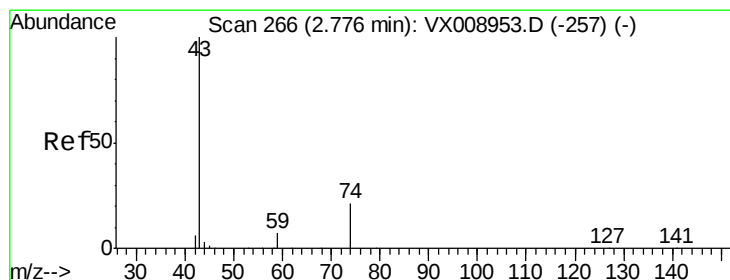
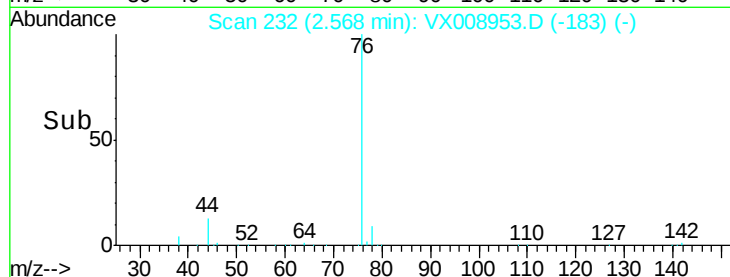
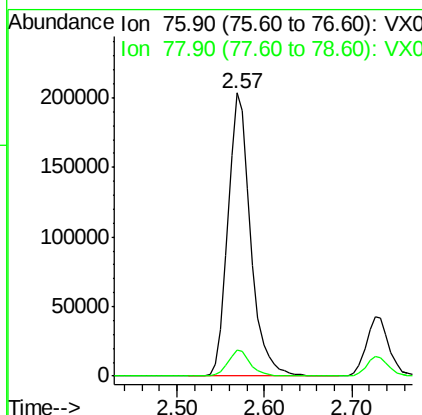
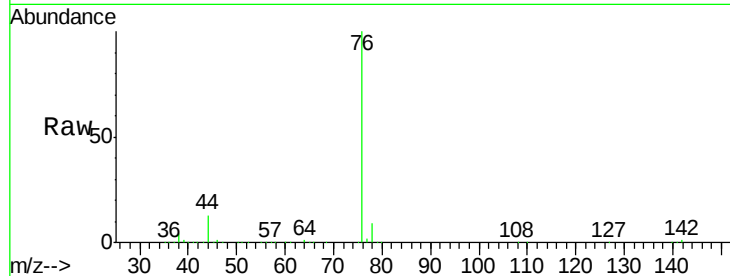
#17
Carbon Disulfide
Concen: 41.085 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008953.D
Acq: 15 Apr 2019 11:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

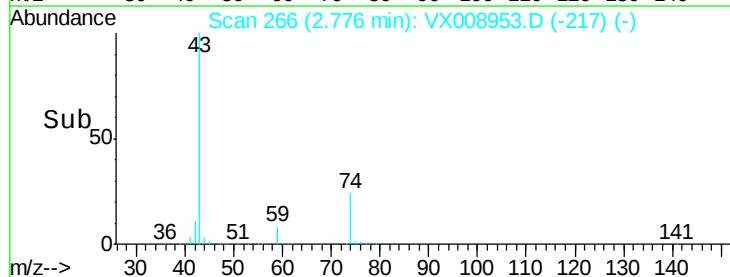
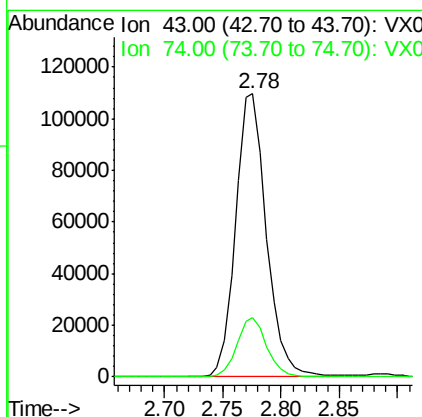
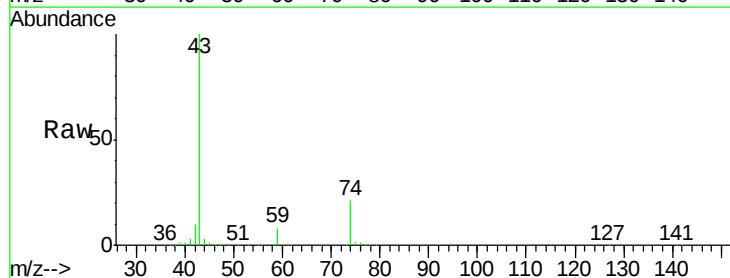
Manual Integrations
APPROVED

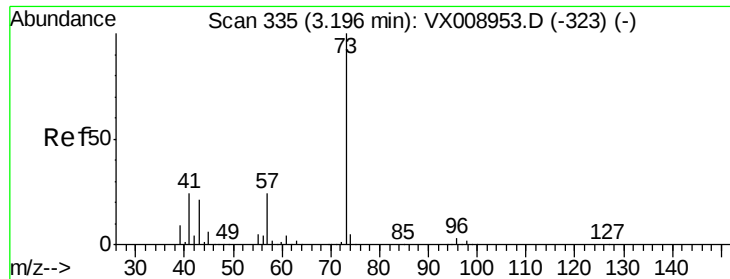
MMDadoda
4/16/2019 10:52:55 AM



#18
Methyl Acetate
Concen: 41.315 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX008953.D
Acq: 15 Apr 2019 11:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.8	16.6	25.0





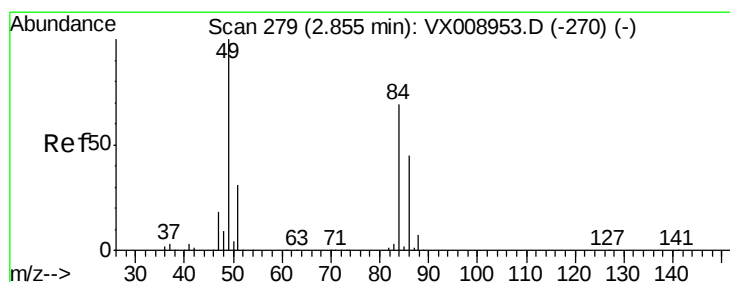
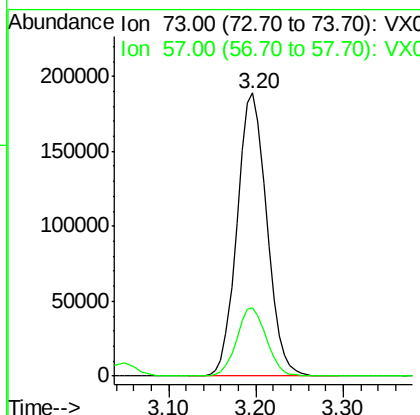
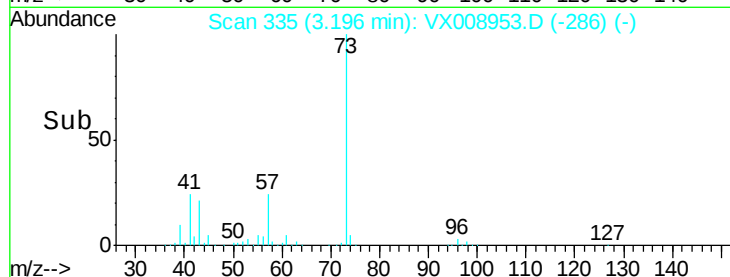
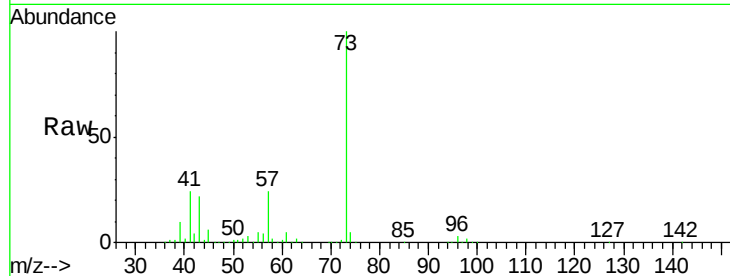
#19
Methvl tert-butvl Ether
Concen: 45.104 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX008953.D
Acq: 15 Apr 2019 11:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 446531
Ion Ratio Lower Upper
73 100
57 24.0 19.2 28.8

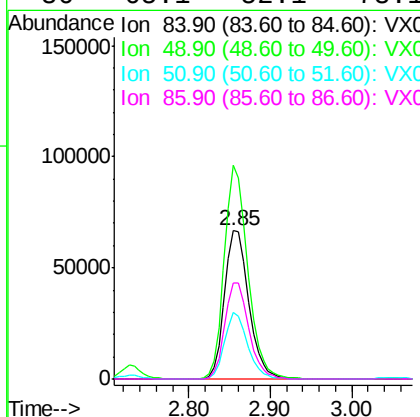
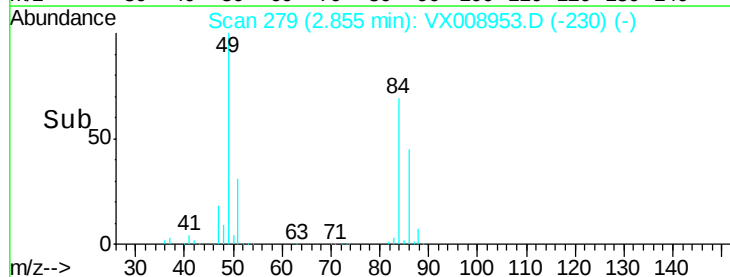
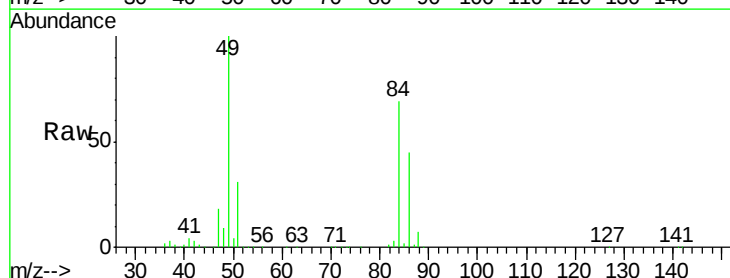
Manual Integrations
APPROVED

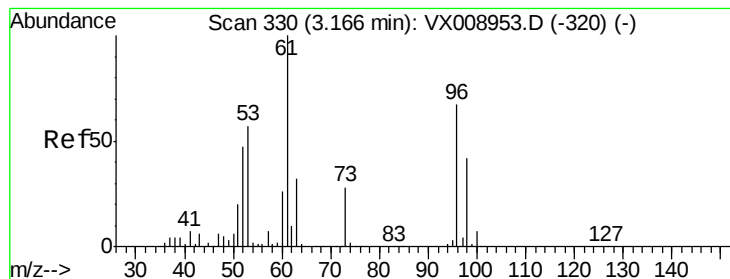
MMDadoda
4/16/2019 10:52:55 AM



#20
Methylene Chloride
Concen: 40.941 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008953.D
Acq: 15 Apr 2019 11:09

Tgt Ion: 84 Resp: 137586
Ion Ratio Lower Upper
84 100
49 144.2 115.4 173.0
51 44.7 35.8 53.6
86 65.1 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 43.278 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008953.D

Acq: 15 Apr 2019 11:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 130328

Ion Ratio Lower Upper

96 100

61 150.4 120.3 180.5

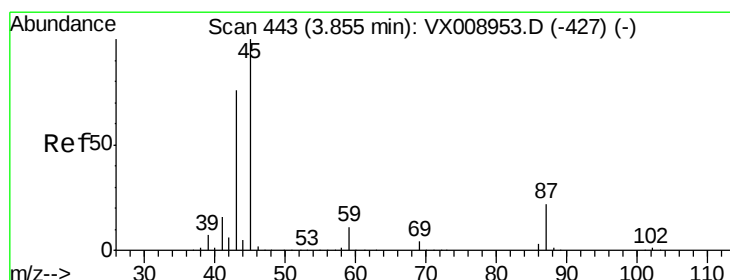
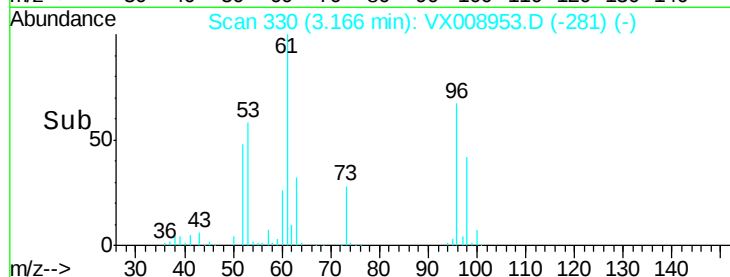
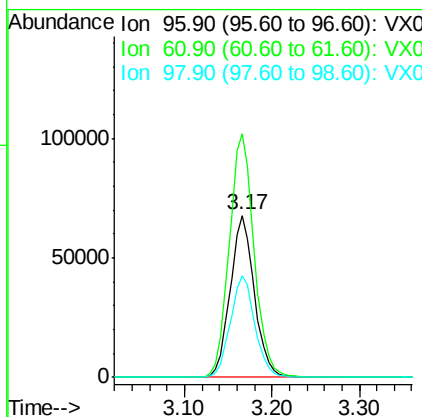
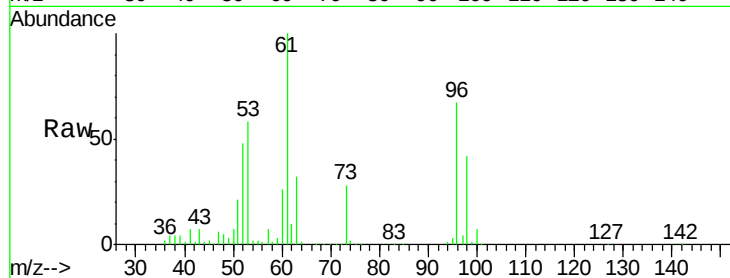
98 62.7 50.2 75.2

Manual Integrations

APPROVED

MMDadoda

4/16/2019 10:52:55 AM



#22

Diisopropyl ether

Concen: 43.476 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX008953.D

Acq: 15 Apr 2019 11:09

Tgt Ion: 45 Resp: 530389

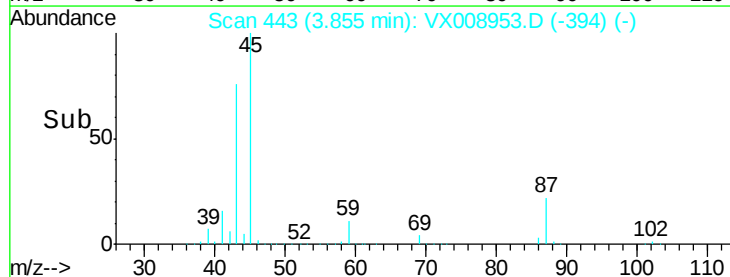
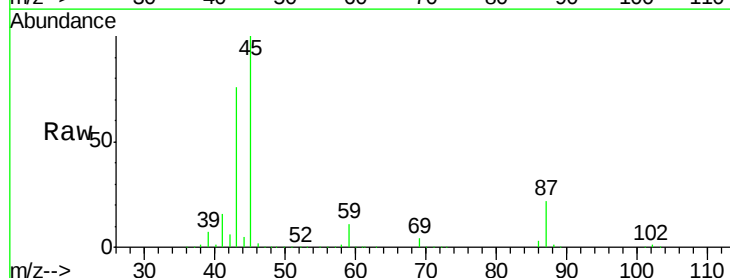
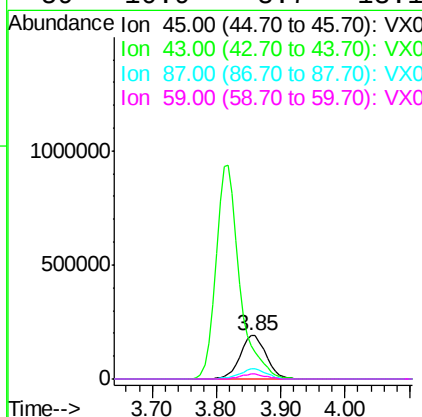
Ion Ratio Lower Upper

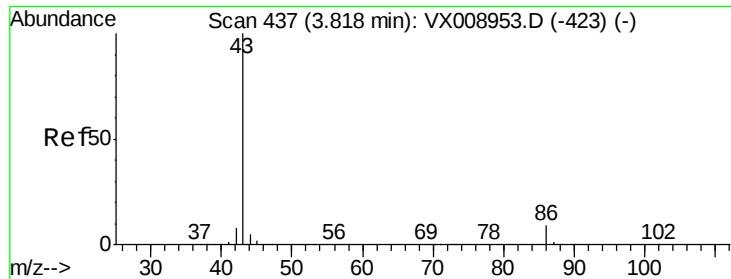
45 100

43 75.8 60.6 91.0

87 22.3 17.8 26.8

59 10.9 8.7 13.1





#23

Vinyl Acetate

Concen: 228.460 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX008953.D

Acq: 15 Apr 2019 11:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 2428891

Ion Ratio Lower Upper

43 100

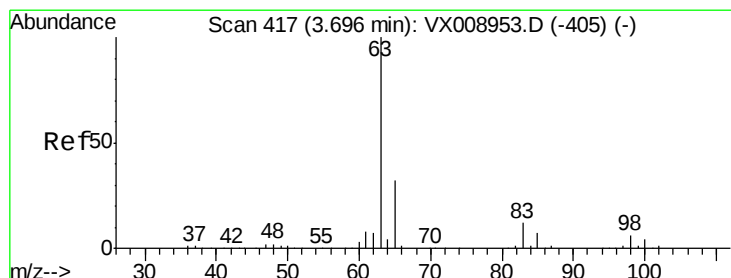
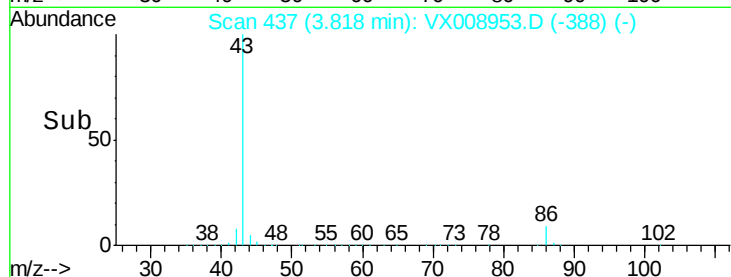
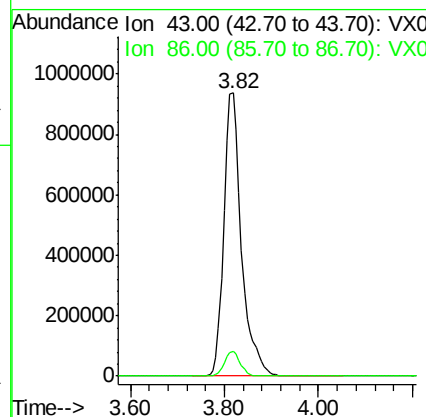
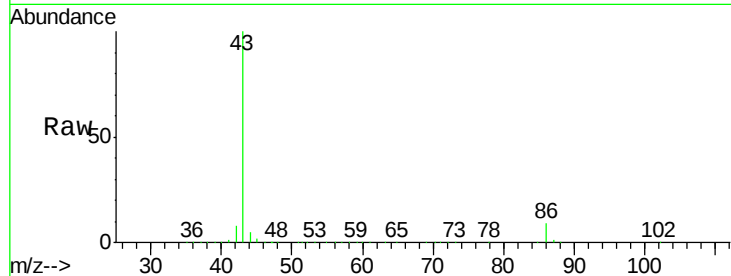
86 8.9 7.1 10.7

Manual Integrations

APPROVED

MMDadoda

4/16/2019 10:52:55 AM



#24

1,1-Dichloroethane

Concen: 43.389 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008953.D

Acq: 15 Apr 2019 11:09

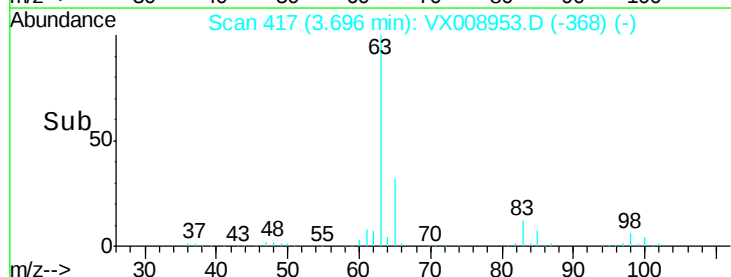
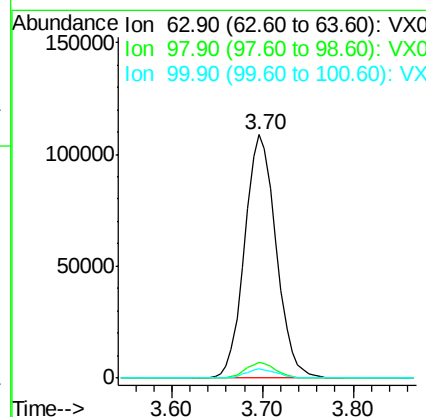
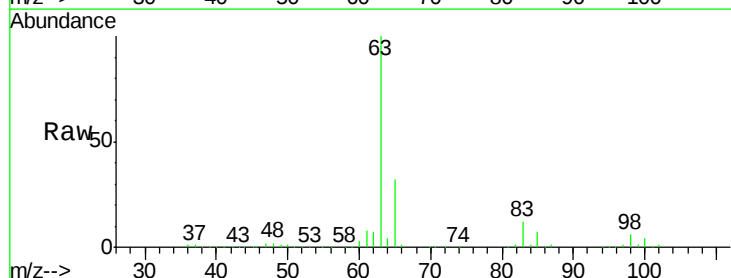
Tgt Ion: 63 Resp: 261906

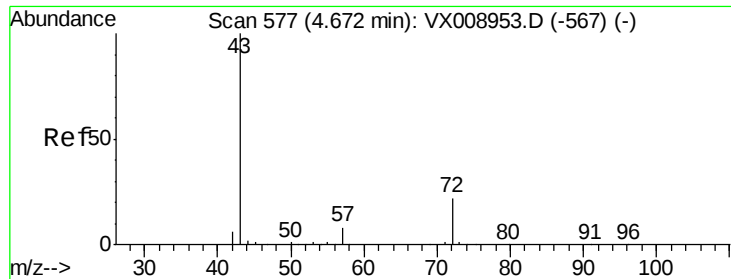
Ion Ratio Lower Upper

63 100

98 6.2 3.1 9.3

100 3.8 1.9 5.7





#25

2-Butanone

Concen: 222.309 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX008953.D

Acq: 15 Apr 2019 11:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 702713

Ion Ratio Lower Upper

43 100

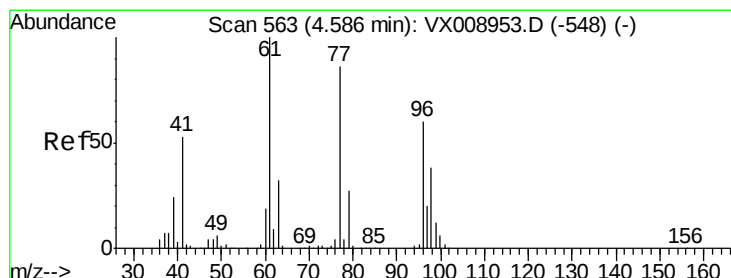
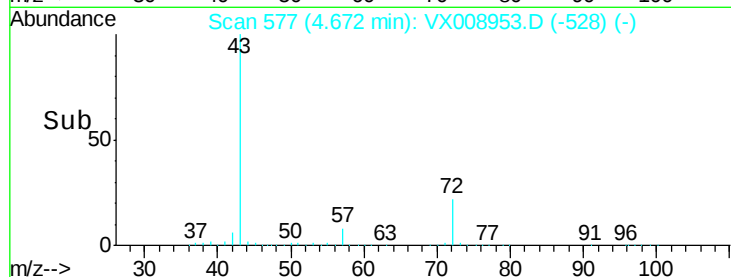
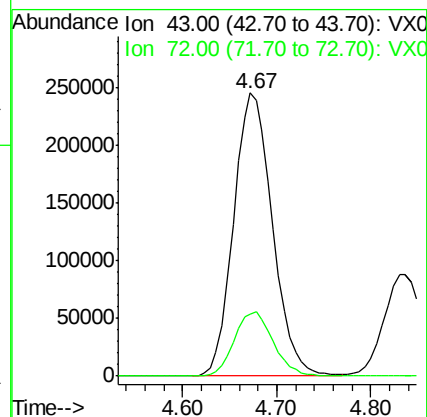
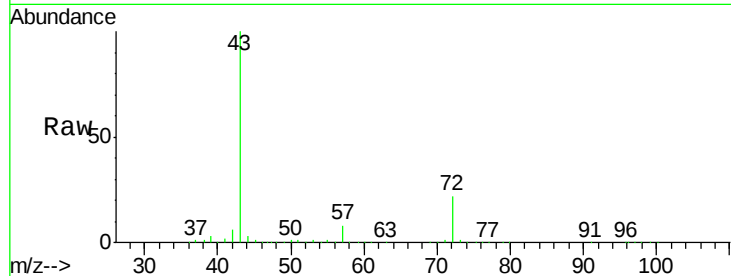
72 21.9 17.5 26.3

Manual Integrations

APPROVED

MMDadoda

4/16/2019 10:52:55 AM



#26

2,2-Dichloropropane

Concen: 46.348 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX008953.D

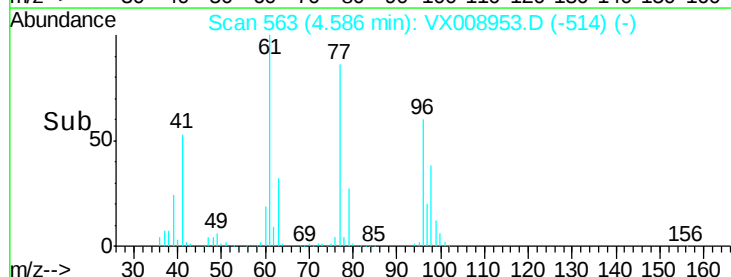
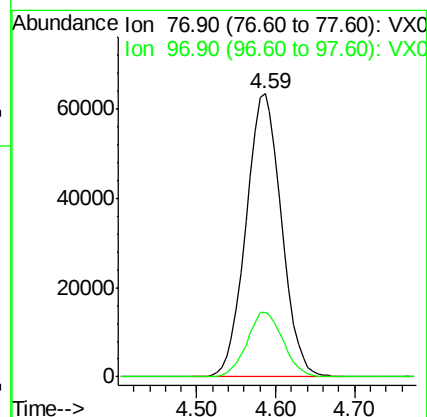
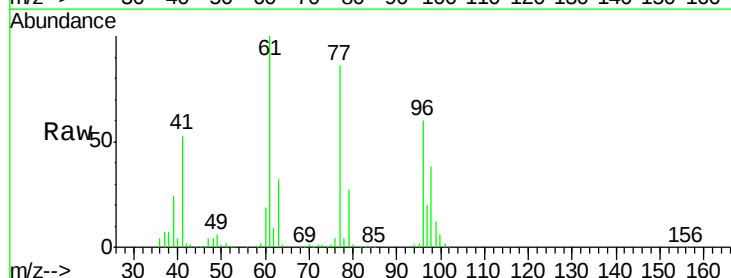
Acq: 15 Apr 2019 11:09

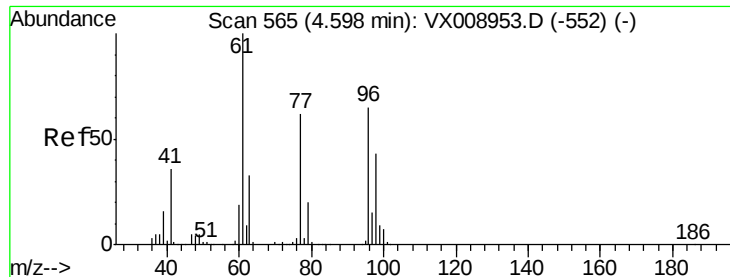
Tgt Ion: 77 Resp: 198600

Ion Ratio Lower Upper

77 100

97 23.3 11.7 35.0





#27

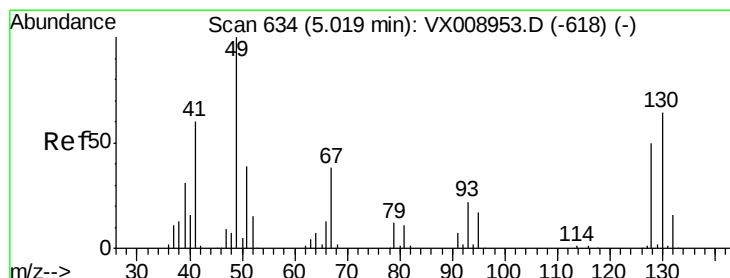
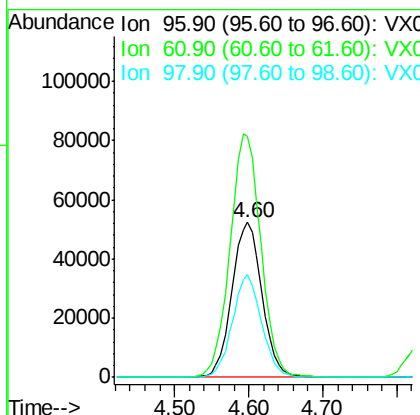
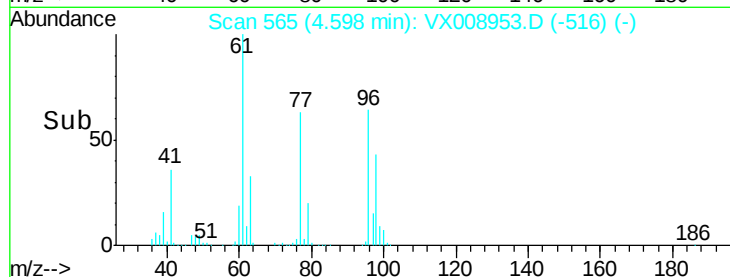
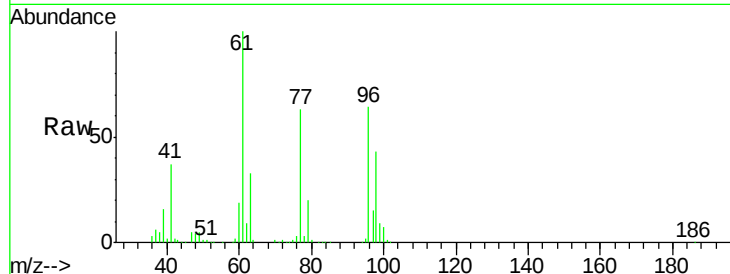
cis-1,2-Dichloroethene
Concen: 43.098 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX008953.D
Acq: 15 Apr 2019 11:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	161.0	0.0	322.0	
98	64.2	0.0	128.4	

Manual Integrations
APPROVED

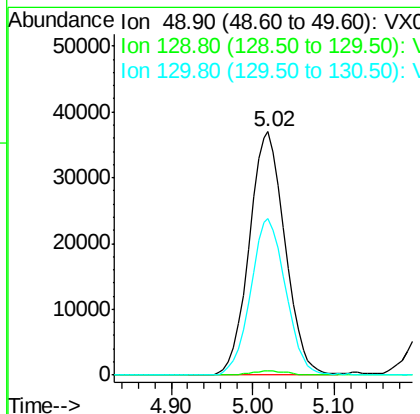
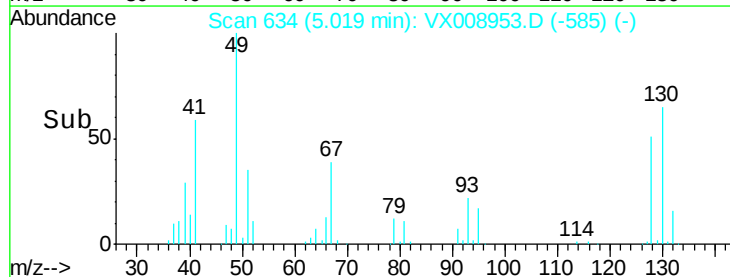
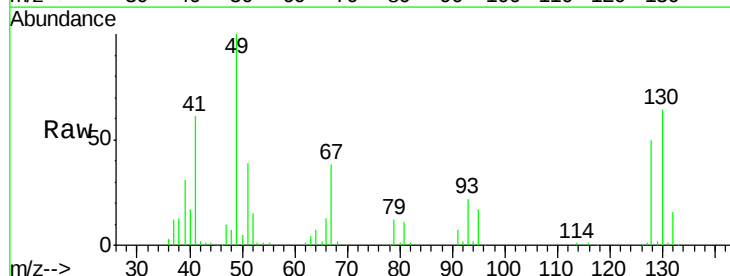
MMDadoda
4/16/2019 10:52:55 AM

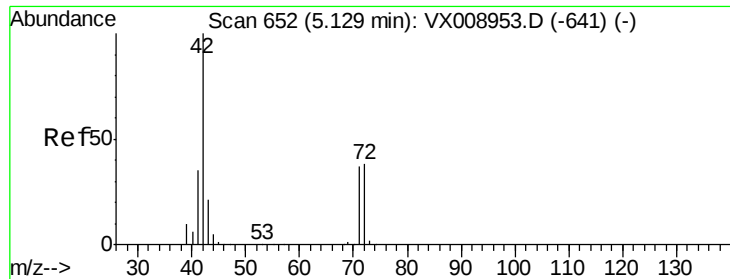


#28

Bromochloromethane
Concen: 39.686 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX008953.D
Acq: 15 Apr 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.6	
130	63.0	50.4	75.6	





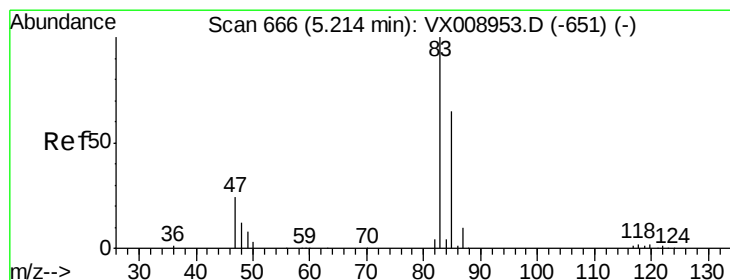
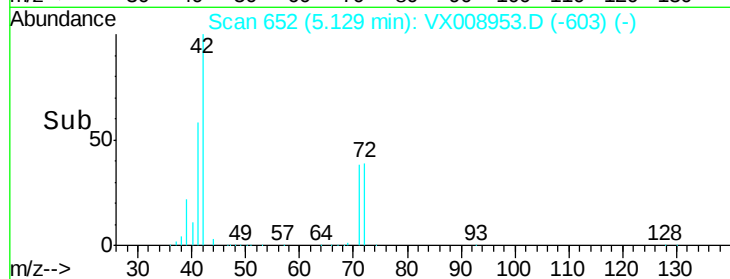
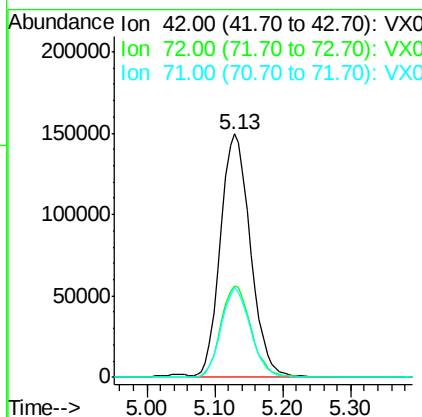
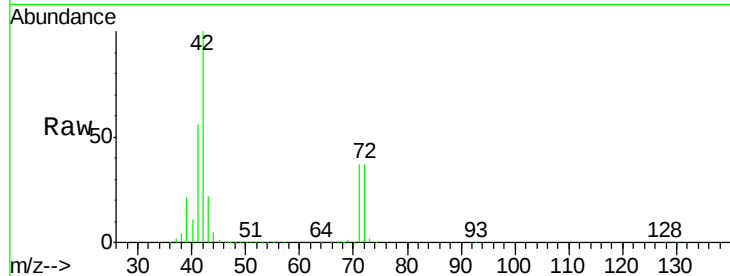
#29
Tetrahydrofuran
Concen: 217.056 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX008953.D
Acq: 15 Apr 2019 11:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.2	30.6	45.8
71	36.0	28.8	43.2

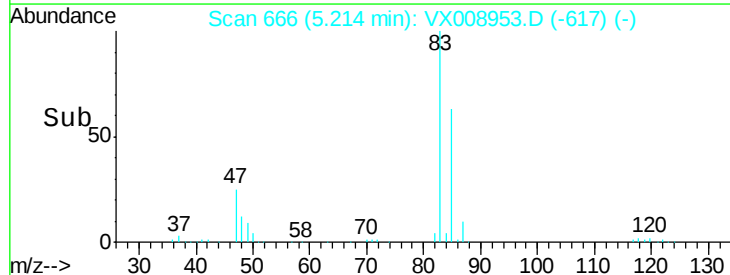
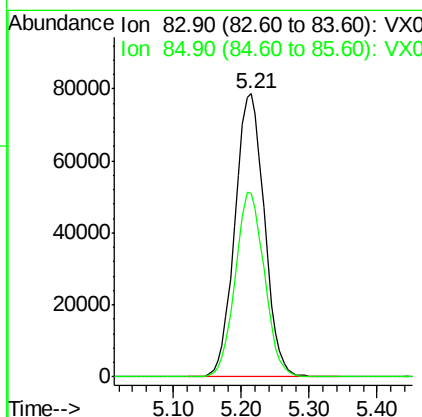
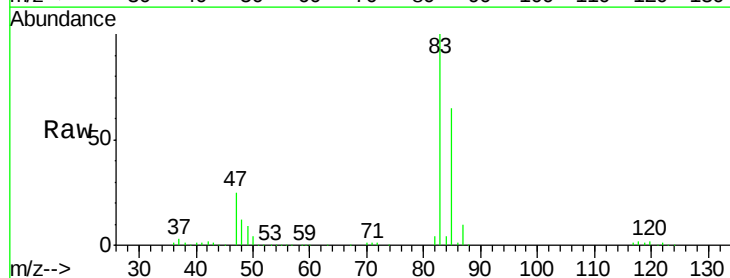
Manual Integrations
APPROVED

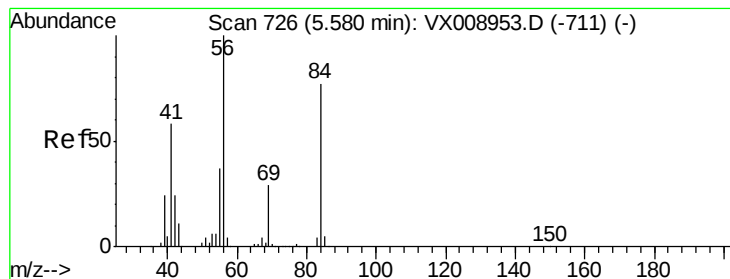
MMDadoda
4/16/2019 10:52:55 AM



#30
Chloroform
Concen: 43.841 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX008953.D
Acq: 15 Apr 2019 11:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.9	77.9





#31

Cyclohexane

Concen: 43.192 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX008953.D

Acq: 15 Apr 2019 11:09

Instrument :

MSVOA_X

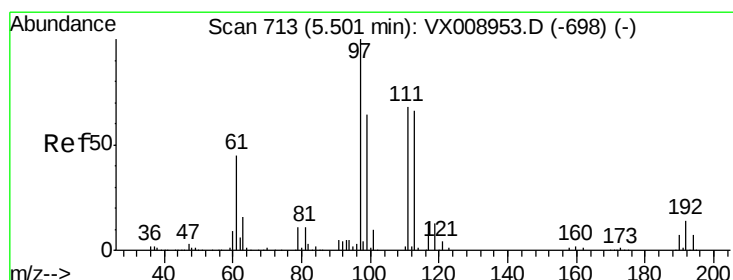
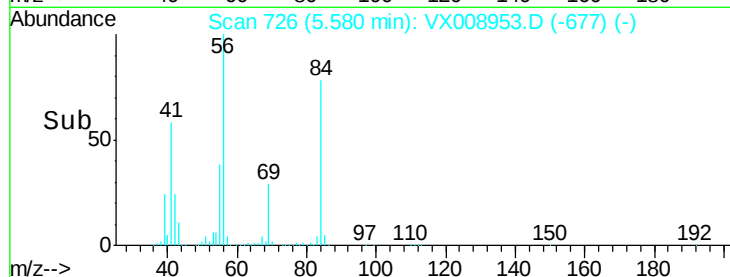
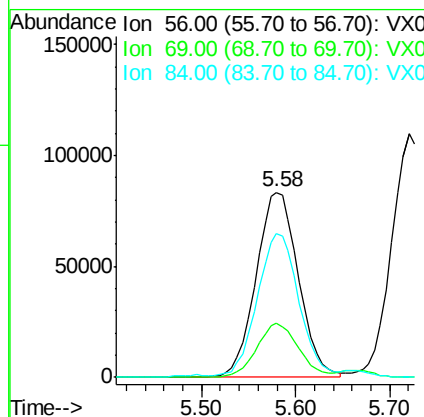
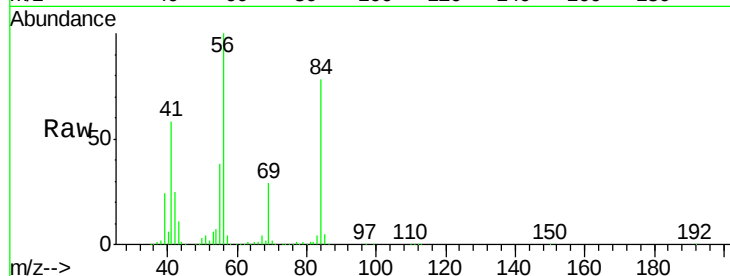
ClientSampleId :

VSTDICCC050

Tot Ion:	56	Resp:	261411
Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.3	34.9
84	77.1	61.7	92.5

Manual Integrations
APPROVED

MMDadoda
4/16/2019 10:52:55 AM



#32

1,1,1-Trichloroethane

Concen: 45.610 ug/l

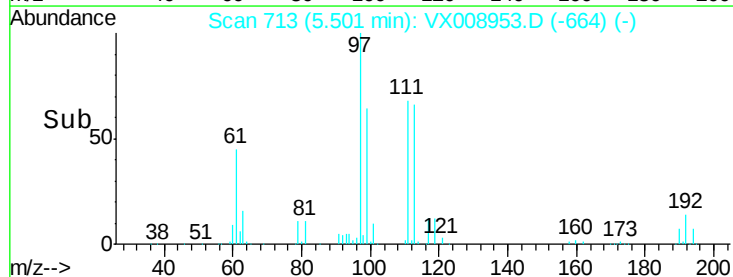
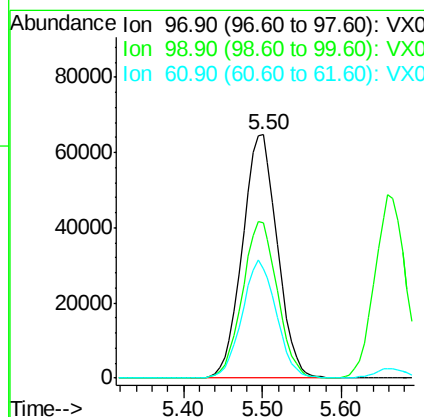
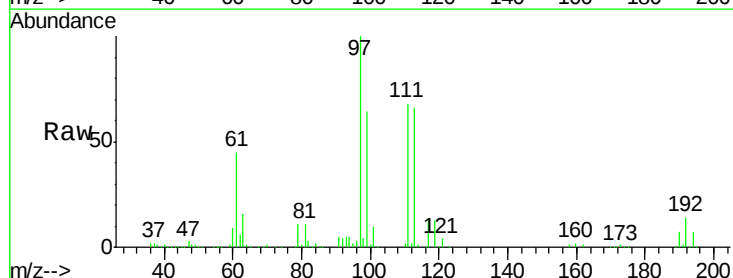
RT: 5.50 min Scan# 713

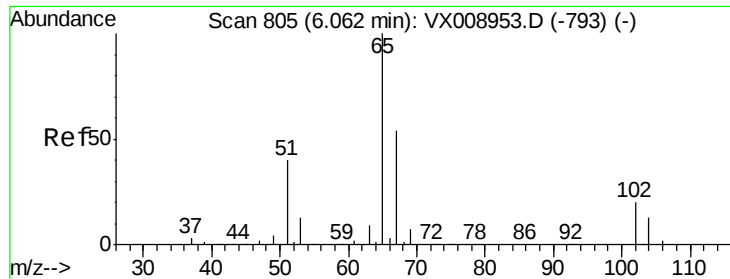
Delta R.T. 0.00 min

Lab File: VX008953.D

Acq: 15 Apr 2019 11:09

Tgt Ion:	97	Resp:	199579
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	47.4	37.9	56.9





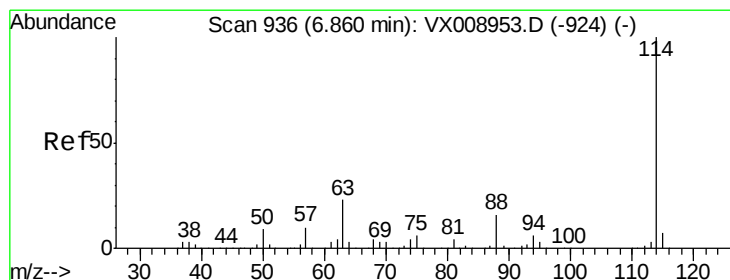
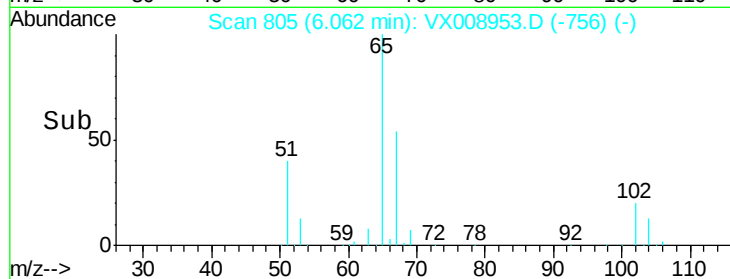
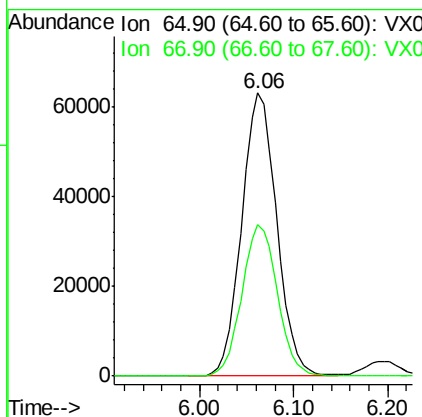
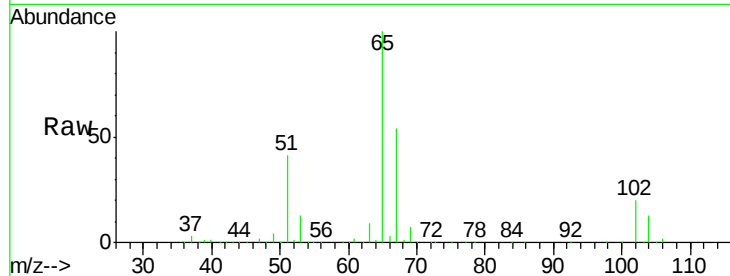
#33
 1,2-Dichloroethane-d4
 Concen: 46.616 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008953.D
 Acq: 15 Apr 2019 11:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	163596		
67	54.3	0.0	108.6	

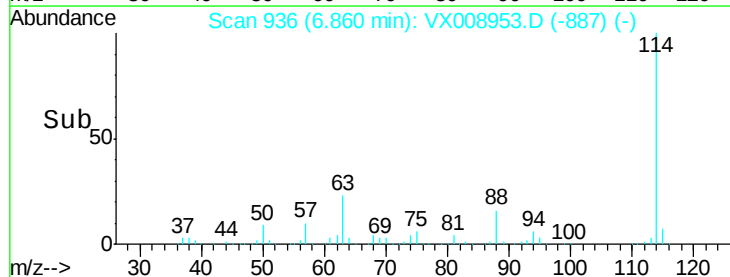
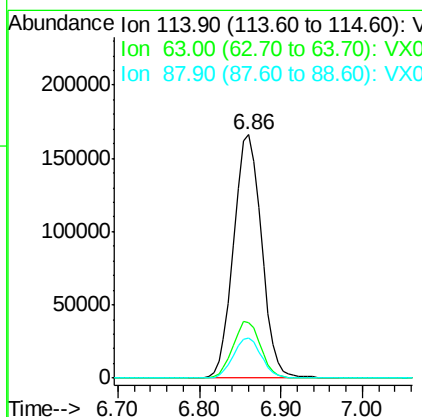
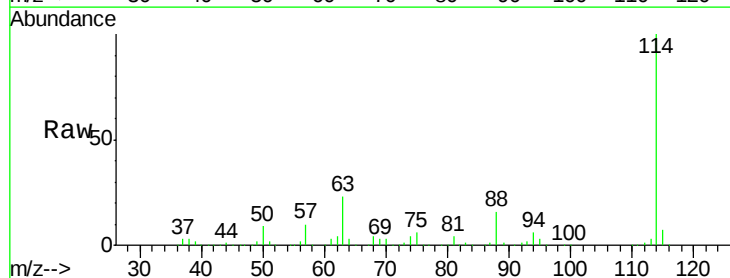
Manual Integrations
 APPROVED

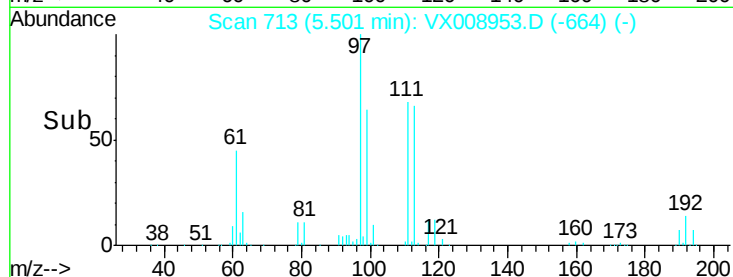
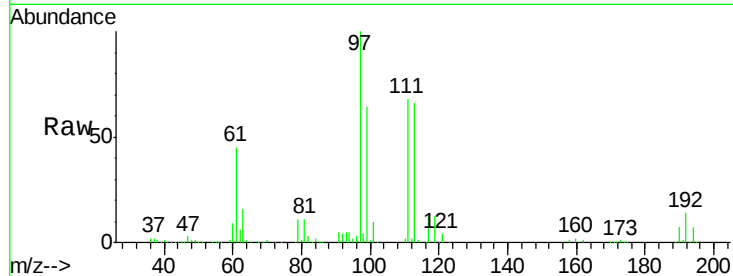
MMDadoda
 4/16/2019 10:52:55 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008953.D
 Acq: 15 Apr 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	393592		
63	23.0	0.0	46.0	
88	16.3	0.0	32.6	





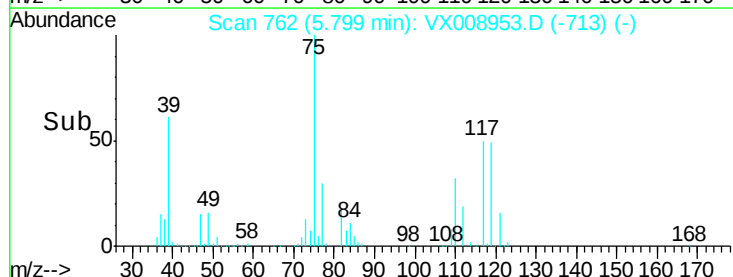
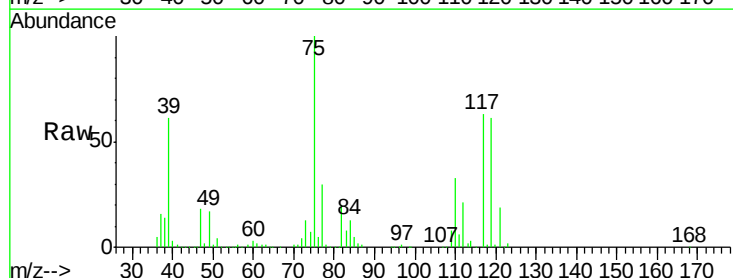
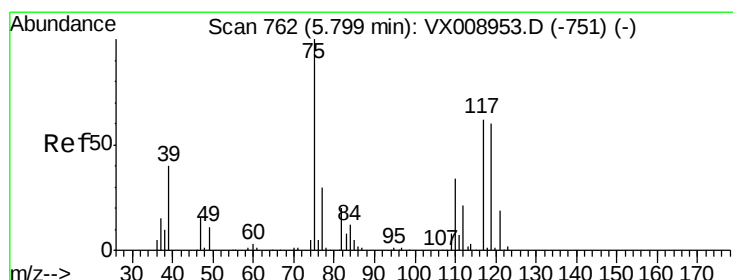
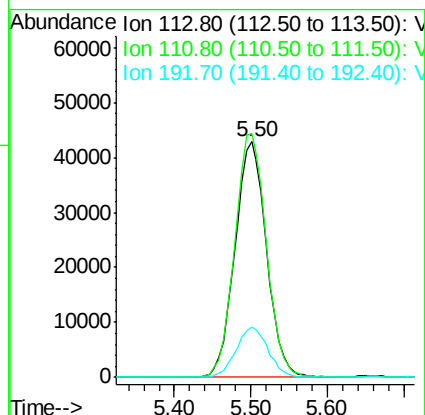
#35
Dibromofluoromethane
Concen: 48.941 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX008953.D
Acq: 15 Apr 2019 11:09

Tot Ion	Ratio	Resp	Lower	Upper
113	100	122336		
111	103.6	82.9	124.3	
192	21.7	17.4	26.0	

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

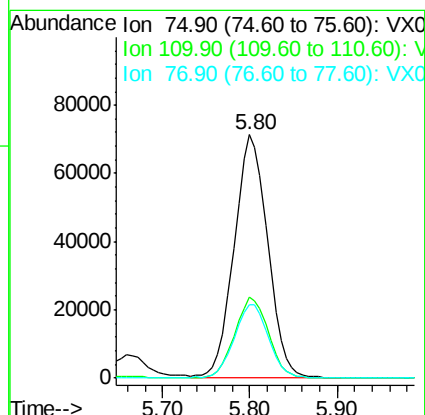
Manual Integrations
APPROVED

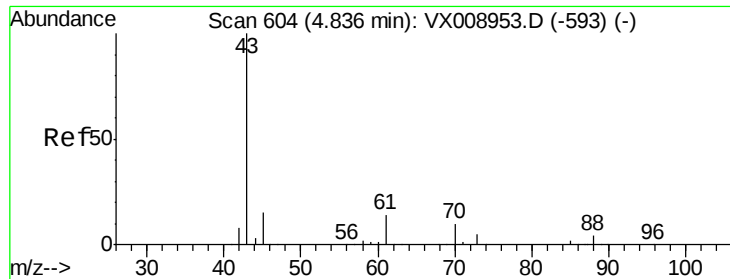
MMDadoda
4/16/2019 10:52:55 AM



#36
1,1-Dichloropropene
Concen: 44.721 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX008953.D
Acq: 15 Apr 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	189270		
110	33.8	16.9	50.7	
77	31.2	25.0	37.4	





#37

Ethyl Acetate

Concen: 46.741 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX008953.D

Acq: 15 Apr 2019 11:09

Instrument :

MSVOA_X

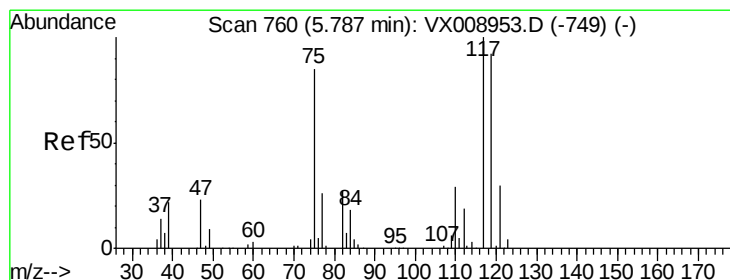
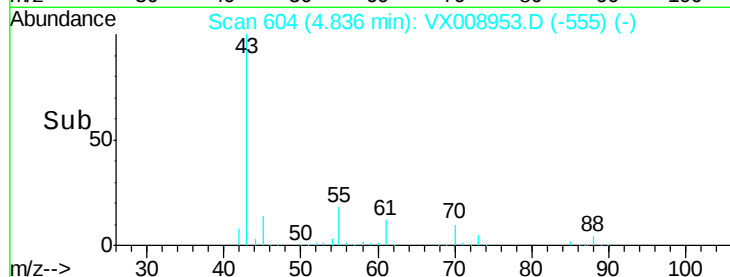
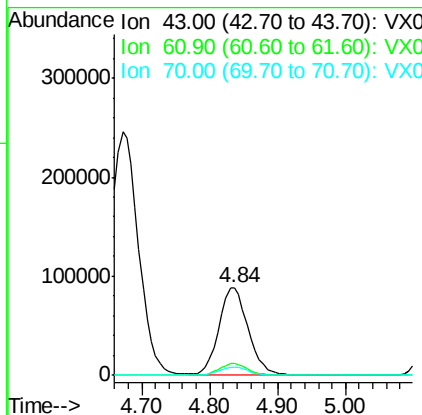
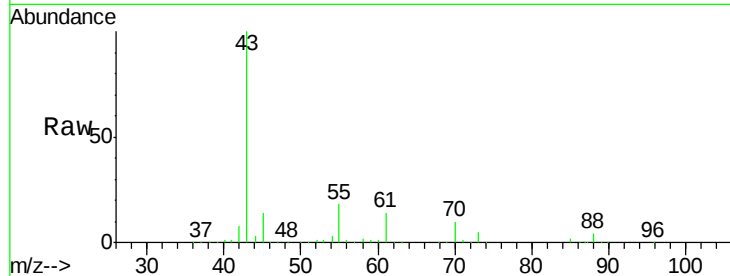
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	263009
Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.6	15.8
70	9.6	7.7	11.5

Manual Integrations
APPROVED

MMDadoda
4/16/2019 10:52:55 AM



#38

Carbon Tetrachloride

Concen: 47.706 ug/l

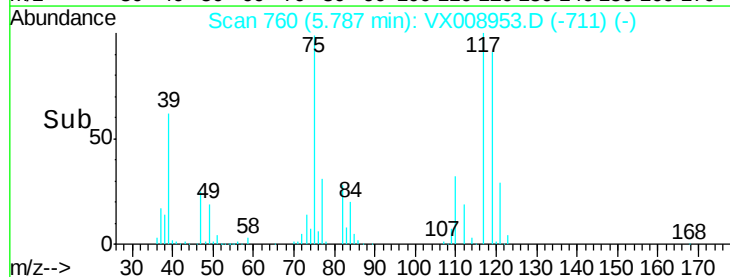
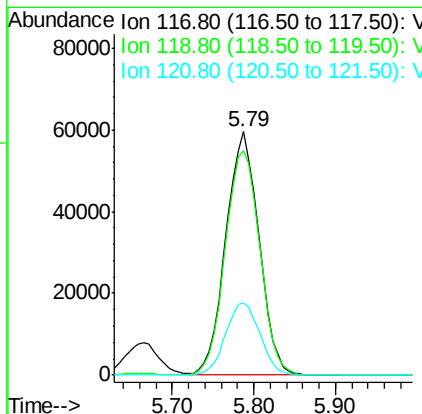
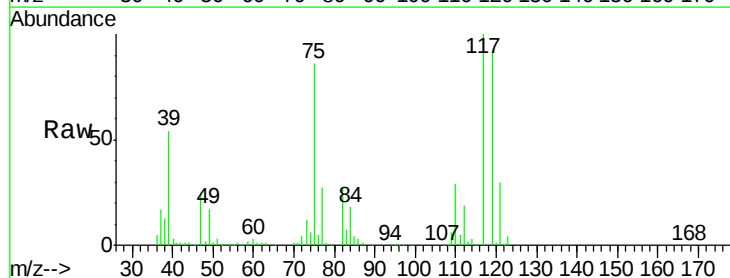
RT: 5.79 min Scan# 760

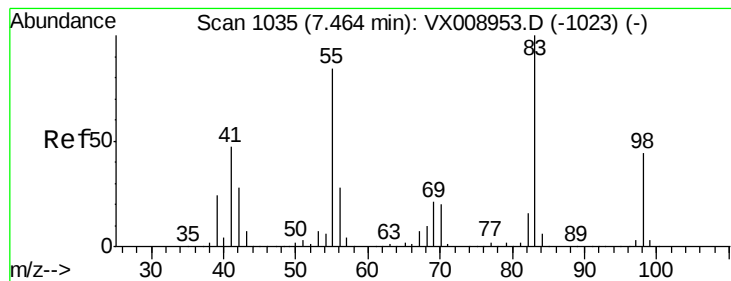
Delta R.T. 0.00 min

Lab File: VX008953.D

Acq: 15 Apr 2019 11:09

Tgt Ion:	117	Resp:	167451
Ion	Ratio	Lower	Upper
117	100		
119	92.3	73.8	110.8
121	29.5	23.6	35.4





#39

Methvlcvclohexane

Concen: 45.456 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX008953.D

Acq: 15 Apr 2019 11:09

Instrument :

MSVOA_X

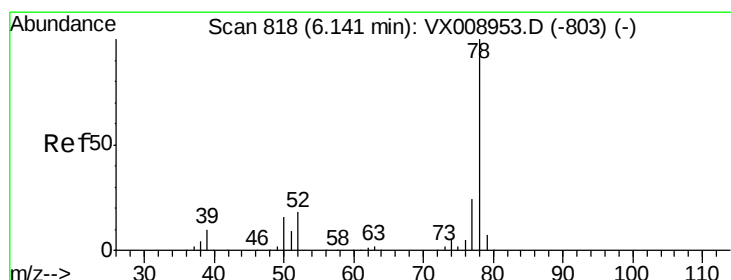
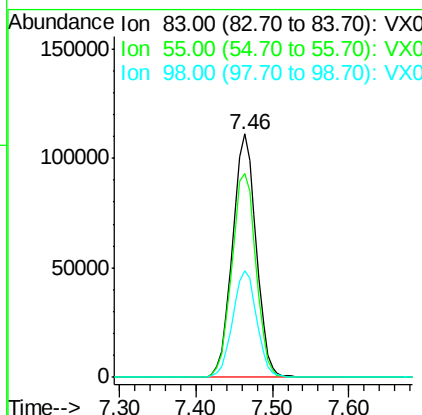
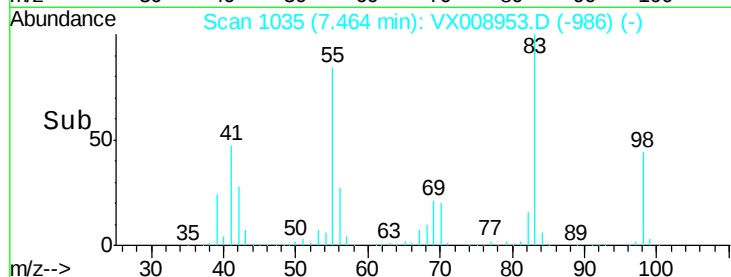
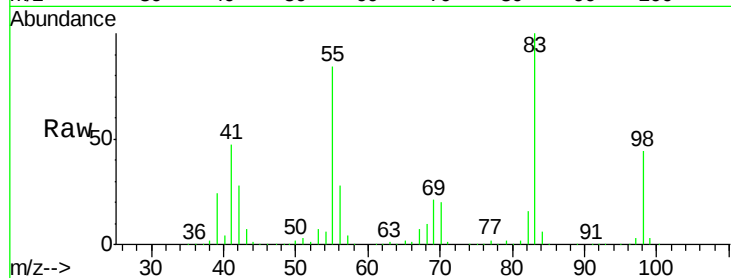
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	237949
Ion	Ratio	Lower	Upper
83	100		
55	83.9	67.1	100.7
98	43.9	35.1	52.7

Manual Integrations
APPROVED

MMDadoda
4/16/2019 10:52:55 AM



#40

Benzene

Concen: 45.559 ug/l

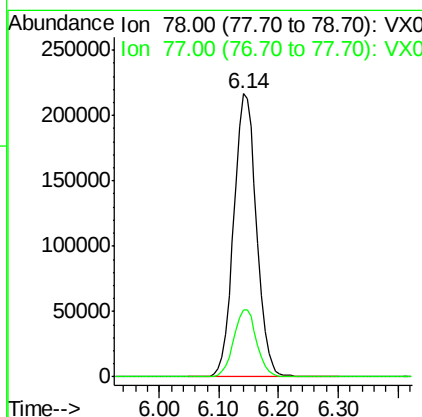
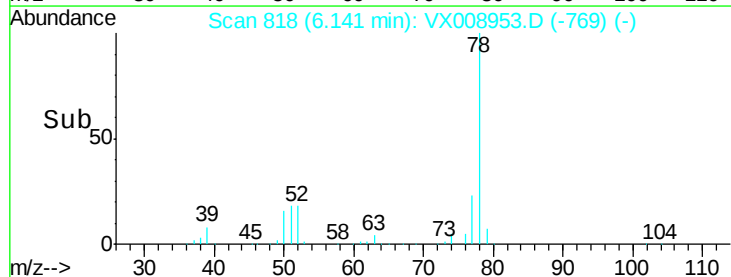
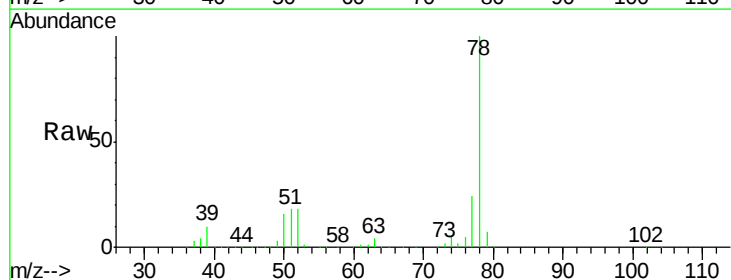
RT: 6.14 min Scan# 818

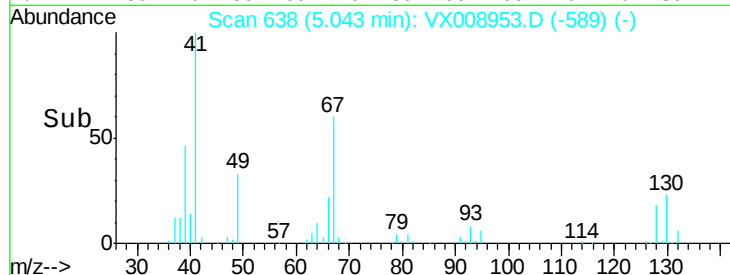
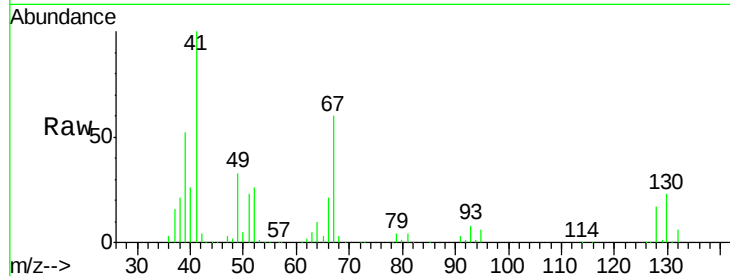
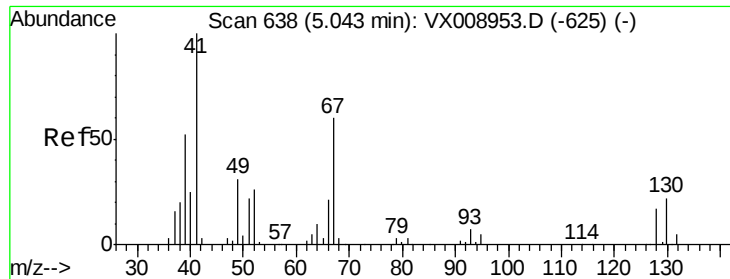
Delta R.T. 0.00 min

Lab File: VX008953.D

Acq: 15 Apr 2019 11:09

Tgt Ion:	78	Resp:	574349
Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6





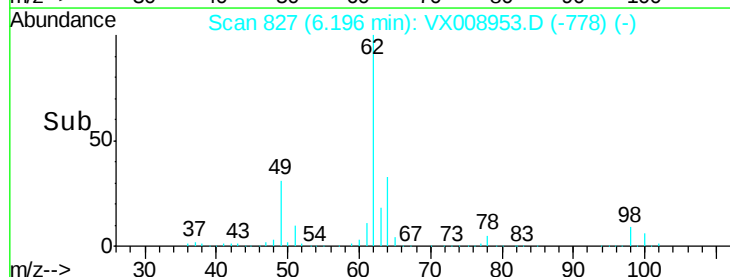
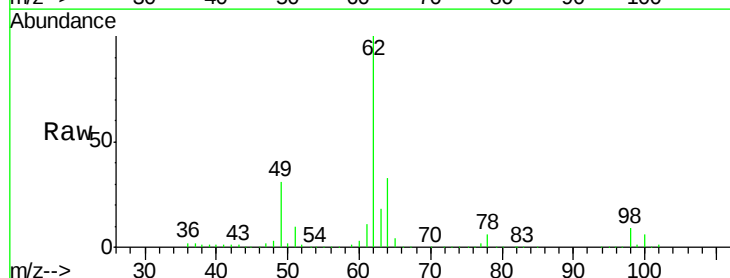
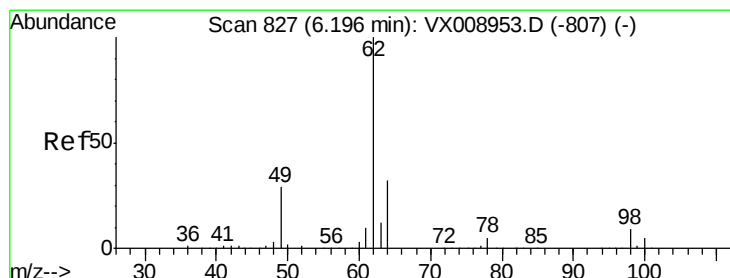
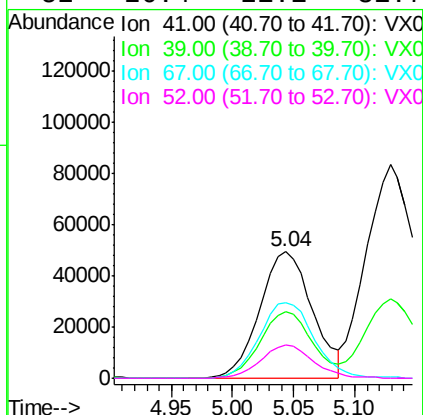
#41
Methacrylonitrile
Concen: 45.518 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX008953.D
Acq: 15 Apr 2019 11:09

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		147694		
39	52.2	41.8	62.6		
67	62.8	50.2	75.4		
52	26.4	21.1	31.7		

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

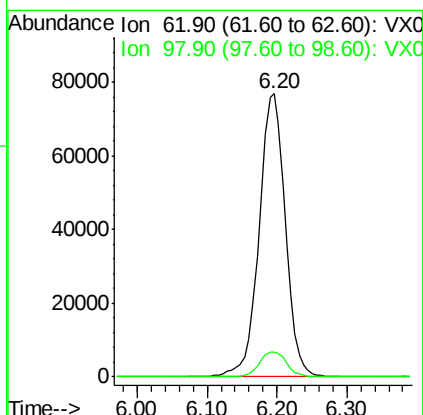
Manual Integrations
APPROVED

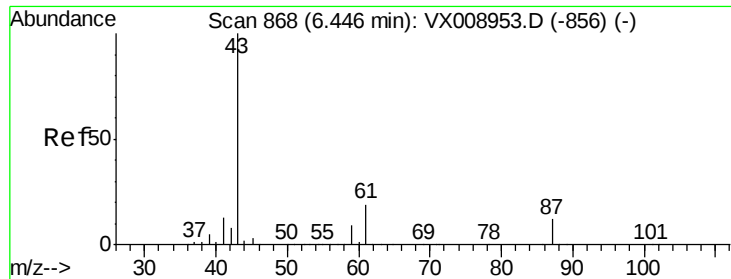
MMDadoda
4/16/2019 10:52:55 AM



#42
1,2-Dichloroethane
Concen: 44.579 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX008953.D
Acq: 15 Apr 2019 11:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		201376		
98	9.2	0.0	18.4		





#43

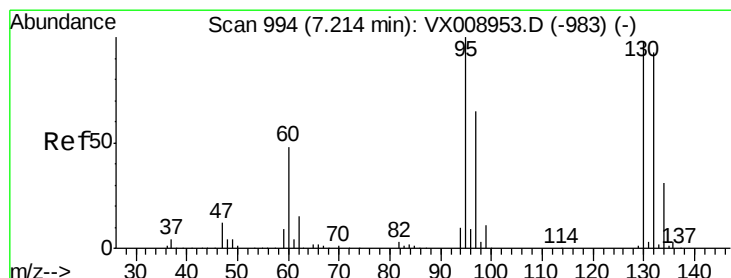
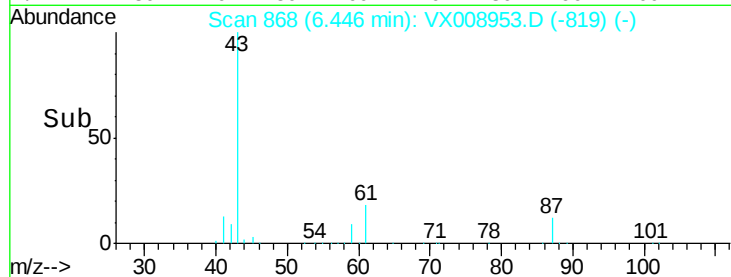
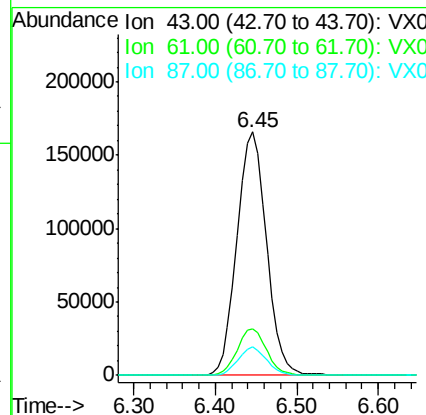
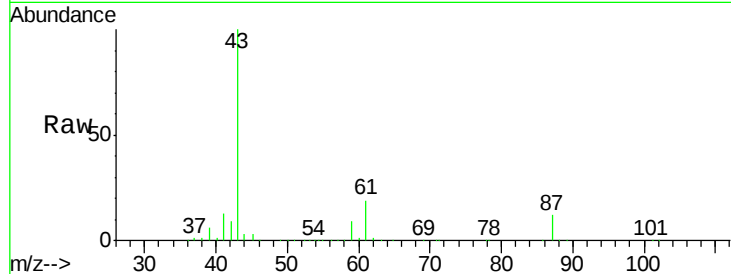
Isopropyl Acetate
 Concen: 46.868 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX008953.D
 Acq: 15 Apr 2019 11:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.4	23.0
87	11.2	9.0	13.4

Manual Integrations
 APPROVED

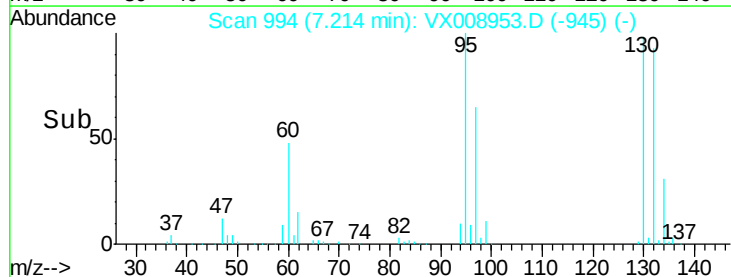
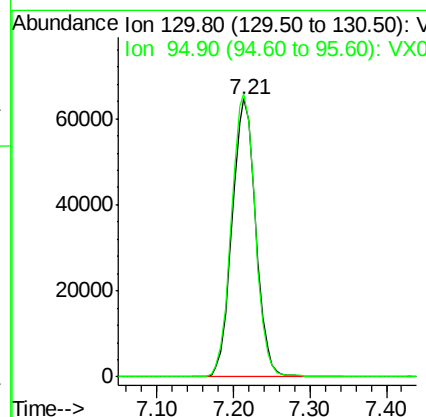
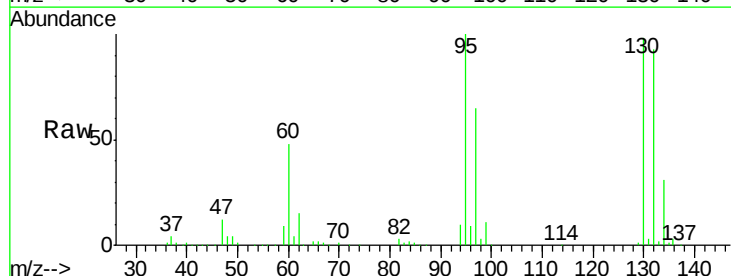
MMDadoda
 4/16/2019 10:52:55 AM

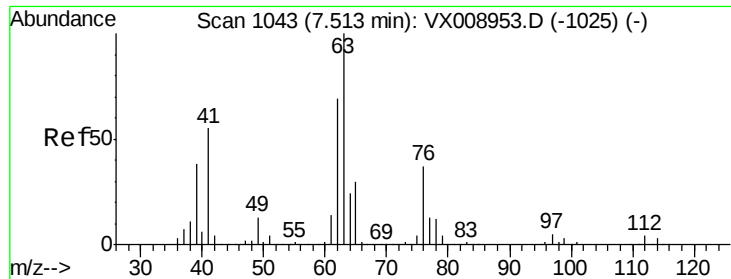


#44

Trichloroethene
 Concen: 46.747 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008953.D
 Acq: 15 Apr 2019 11:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	203.2





#45

1,2-Dichloropropane

Concen: 45.011 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX008953.D

Acq: 15 Apr 2019 11:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 161387

Ion Ratio Lower Upper

63 100

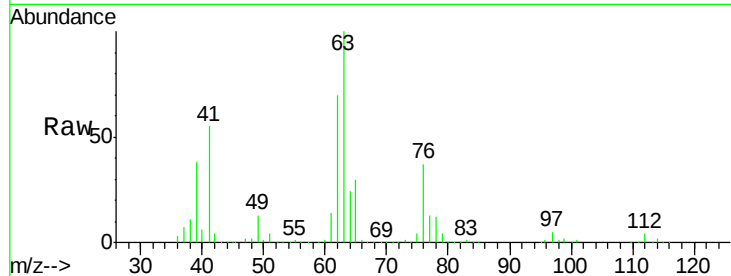
65 30.1 24.1 36.1

Manual Integrations

APPROVED

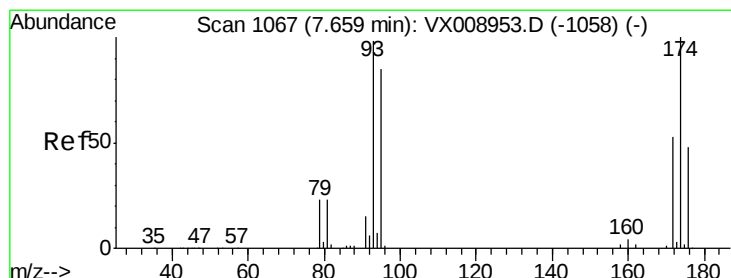
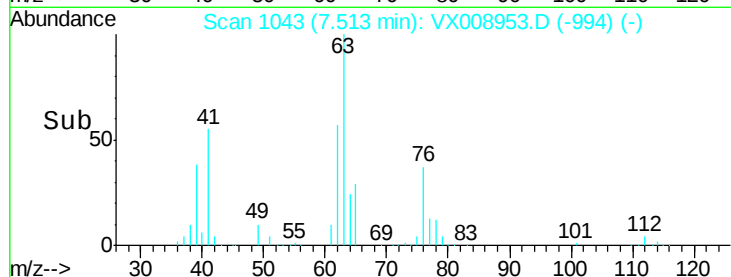
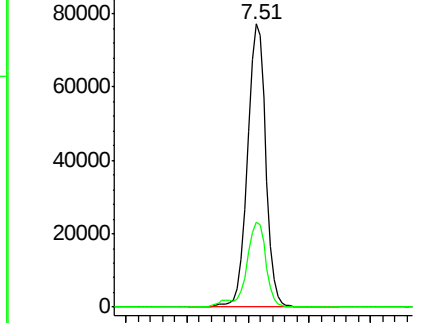
MMDadoda

4/16/2019 10:52:55 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 44.257 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX008953.D

Acq: 15 Apr 2019 11:09

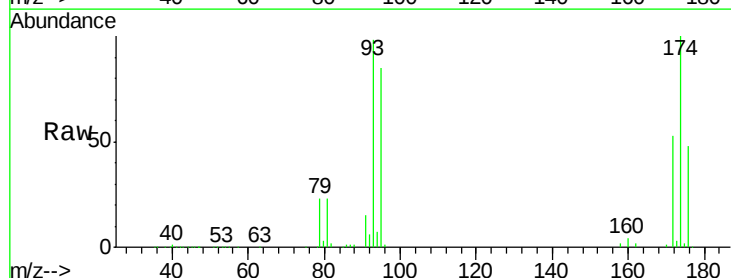
Tgt Ion: 93 Resp: 92356

Ion Ratio Lower Upper

93 100

95 83.7 67.0 100.4

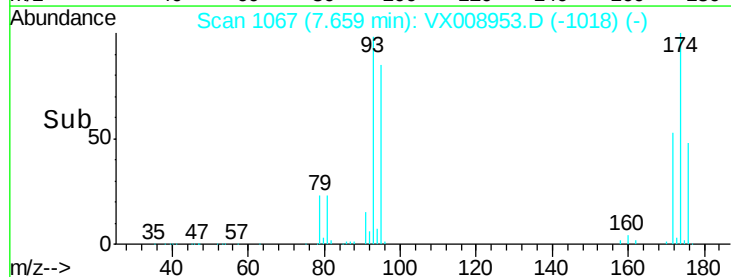
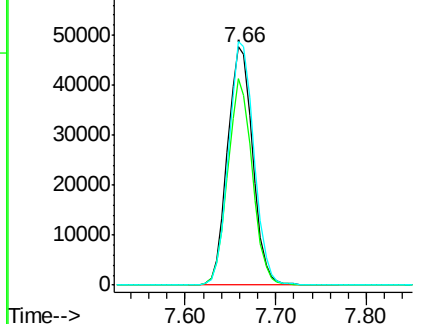
174 102.0 81.6 122.4

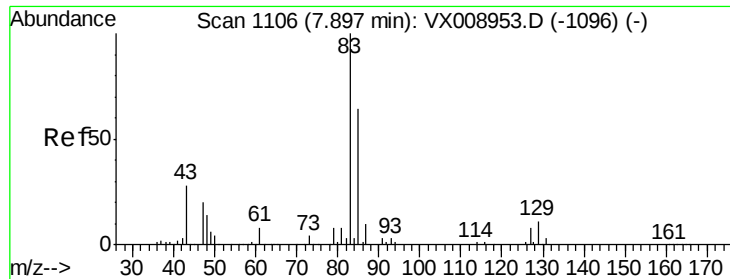


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





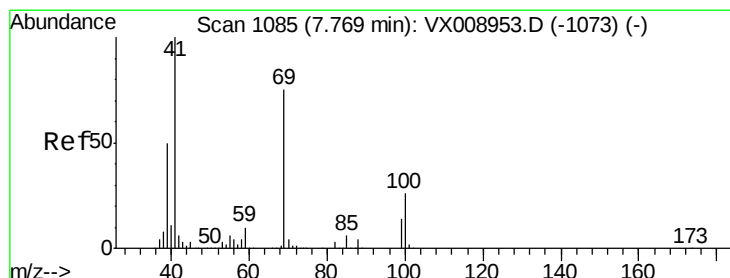
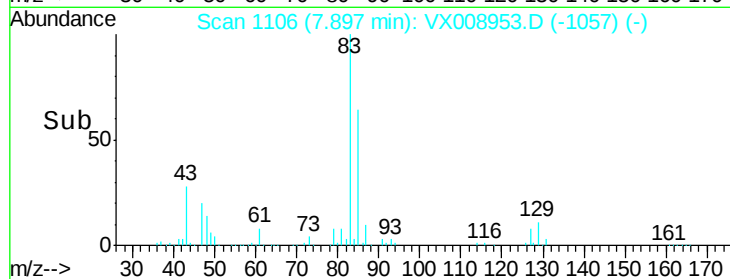
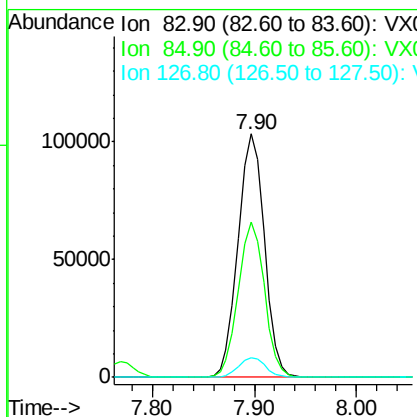
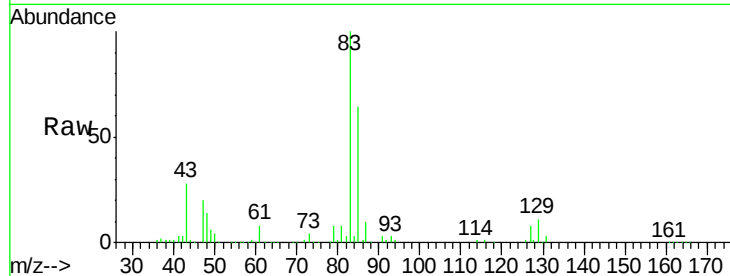
#47
Bromodichloromethane
Concen: 47.169 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX008953.D
Acq: 15 Apr 2019 11:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	185594		
85	63.5	50.8	76.2	
127	8.0	6.4	9.6	

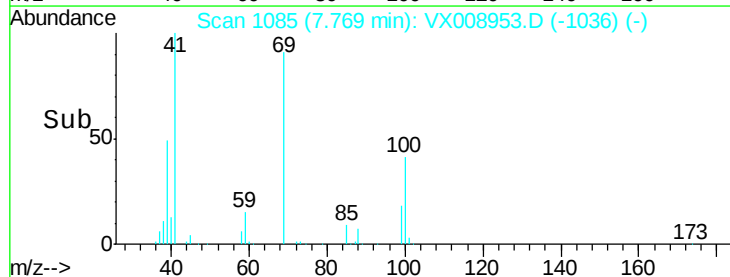
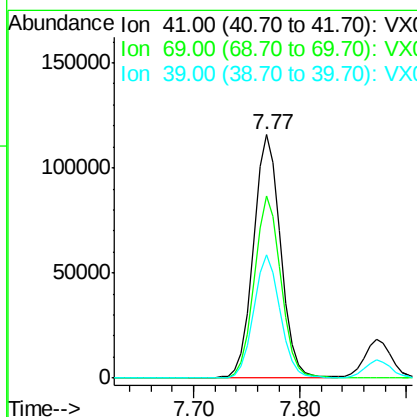
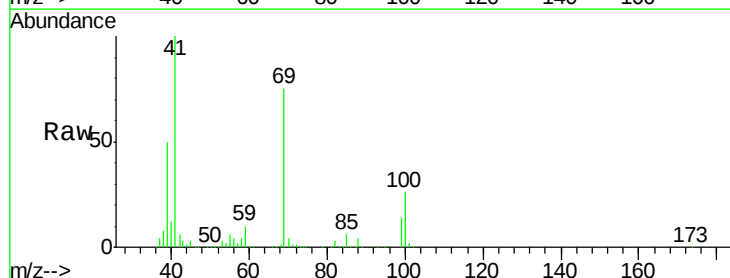
Manual Integrations
APPROVED

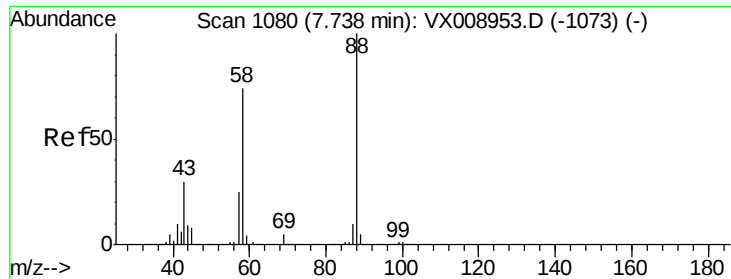
MMDadoda
4/16/2019 10:52:55 AM



#48
Methyl methacrylate
Concen: 46.349 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX008953.D
Acq: 15 Apr 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	206589		
69	74.3	59.4	89.2	
39	49.7	39.8	59.6	





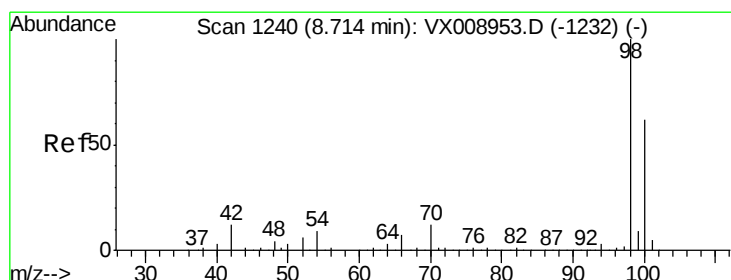
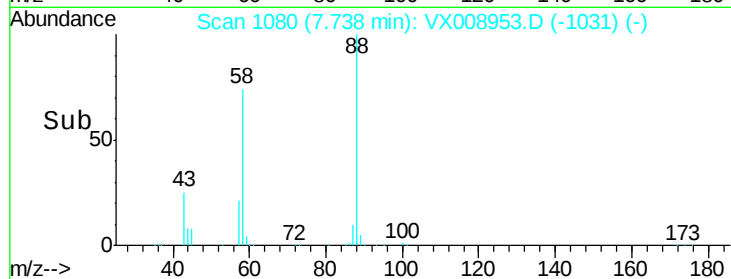
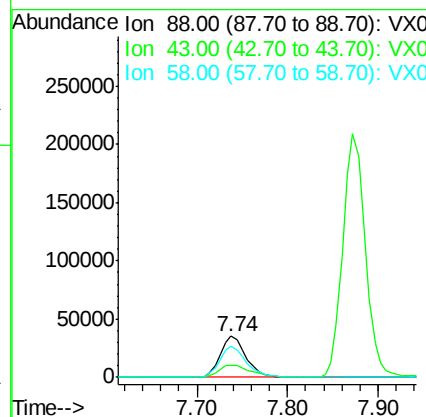
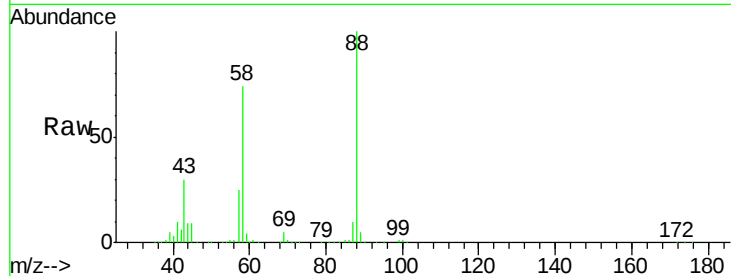
#49
1,4-Dioxane
Concen: 851.945 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX008953.D
Acq: 15 Apr 2019 11:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.6	29.3	43.9
58	78.2	62.6	93.8

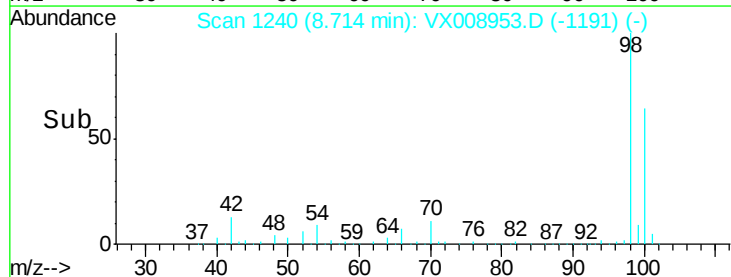
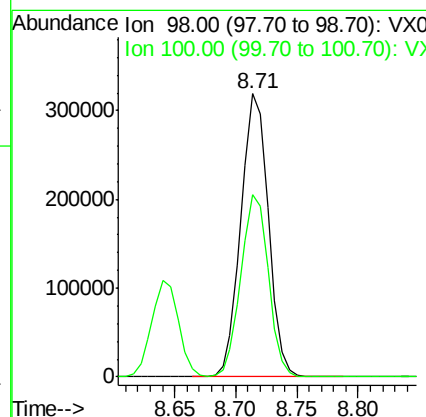
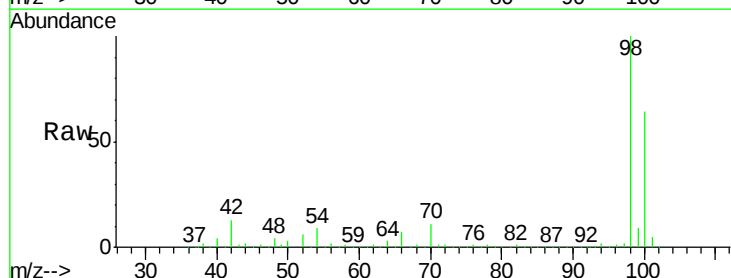
Manual Integrations
APPROVED

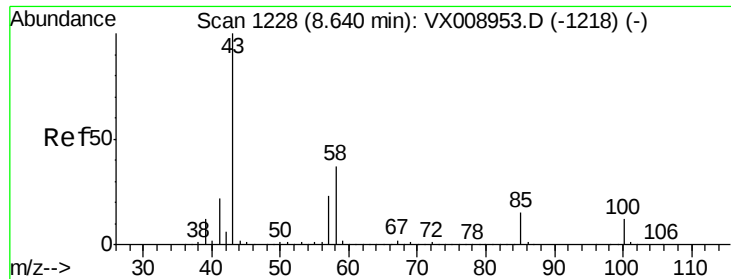
MMDadoda
4/16/2019 10:52:55 AM



#50
Toluene-d8
Concen: 49.863 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008953.D
Acq: 15 Apr 2019 11:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 232.868 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008953.D

Acq: 15 Apr 2019 11:09

Tot Ion: 43 Resp: 1321607

Ion Ratio Lower Upper

43 100

58 37.2 29.8 44.6

Instrument :

MSVOA_X

ClientSampleId :

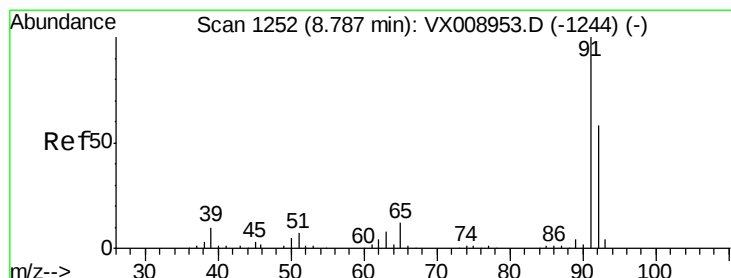
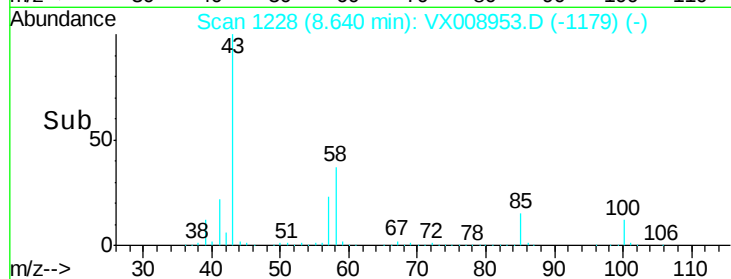
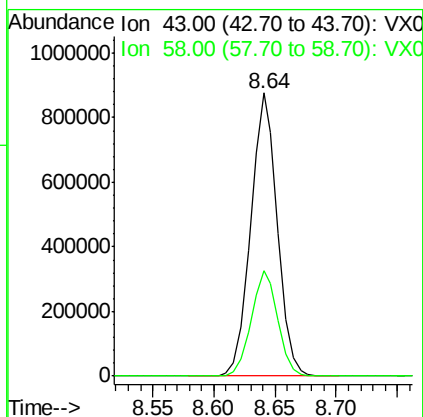
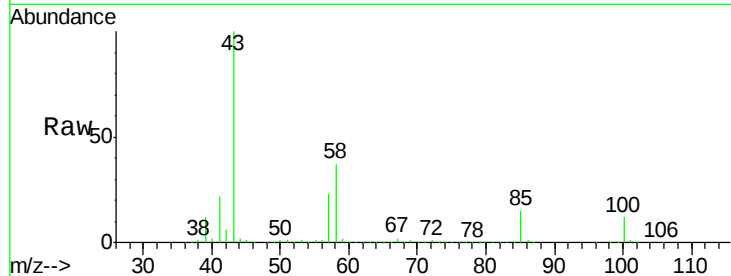
VSTDICCC050

Manual Integrations

APPROVED

MMDadoda

4/16/2019 10:52:55 AM



#52

Toluene

Concen: 46.250 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008953.D

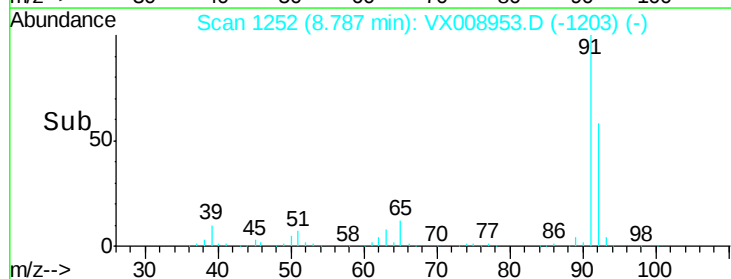
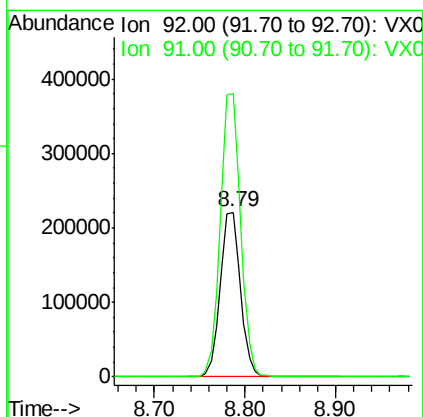
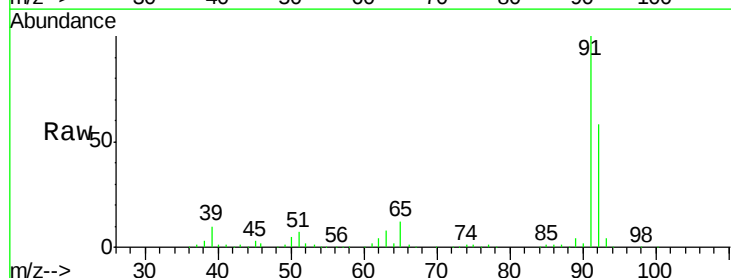
Acq: 15 Apr 2019 11:09

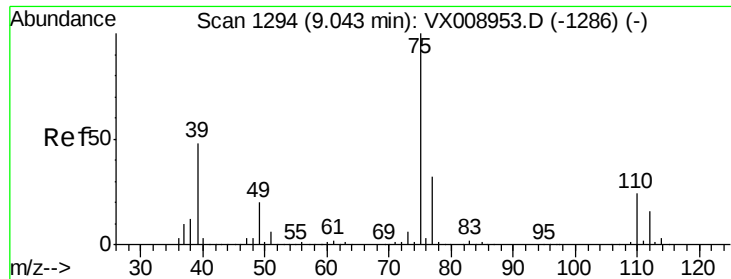
Tgt Ion: 92 Resp: 343647

Ion Ratio Lower Upper

92 100

91 173.1 138.5 207.7





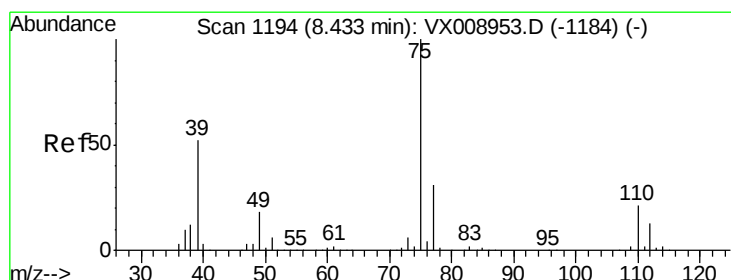
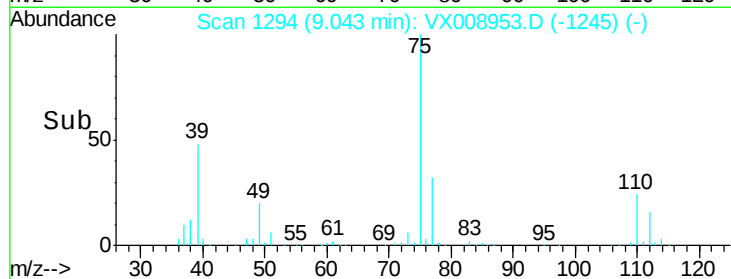
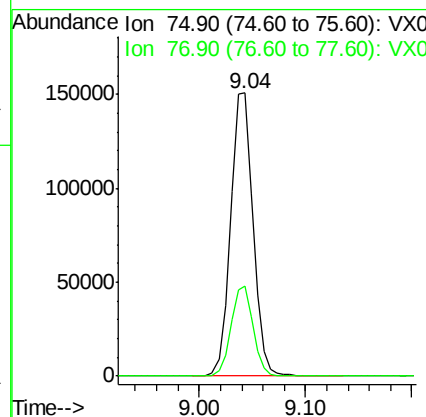
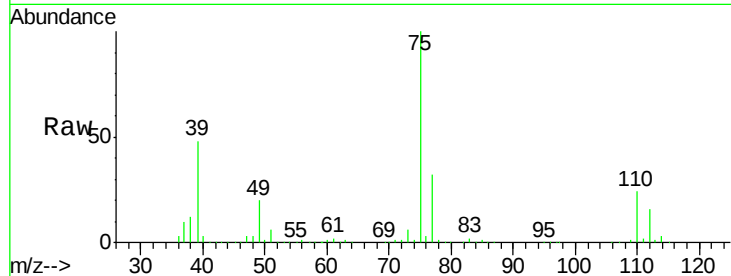
#53
 t-1,3-Dichloropropene
 Concen: 50.341 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX008953.D
 Acq: 15 Apr 2019 11:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion: 75 Resp: 222853
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.4 38.2

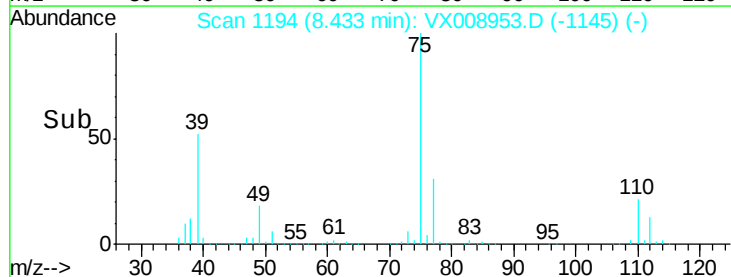
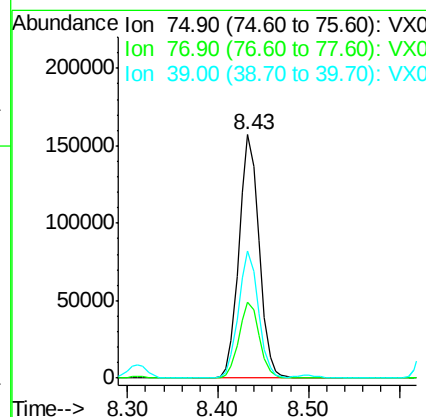
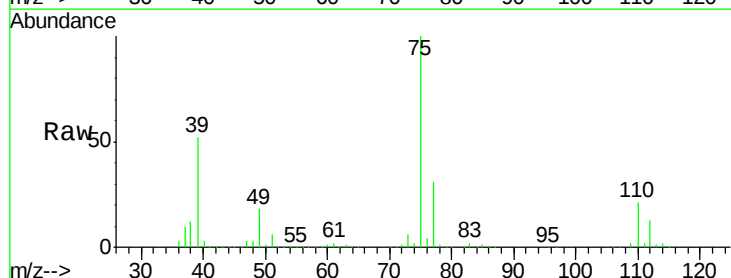
Manual Integrations
 APPROVED

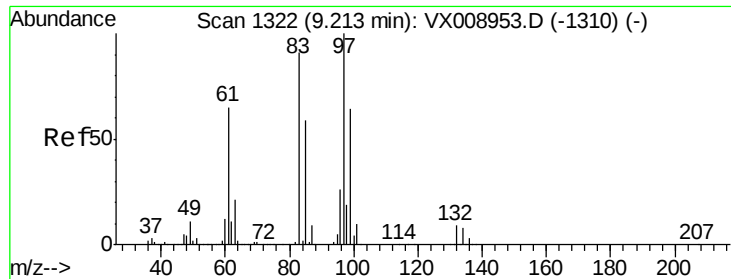
MMDadoda
 4/16/2019 10:52:55 AM



#54
 cis-1,3-Dichloropropene
 Concen: 48.121 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX008953.D
 Acq: 15 Apr 2019 11:09

Tgt Ion: 75 Resp: 242684
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.8 37.2
 39 52.2 41.8 62.6





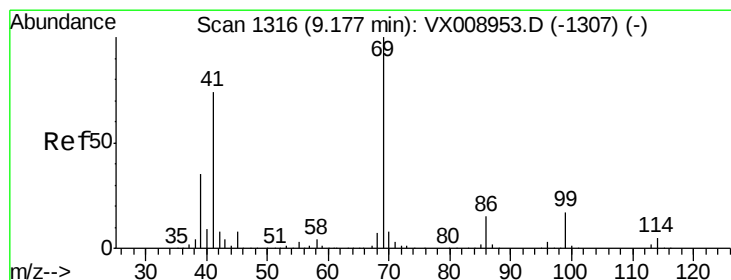
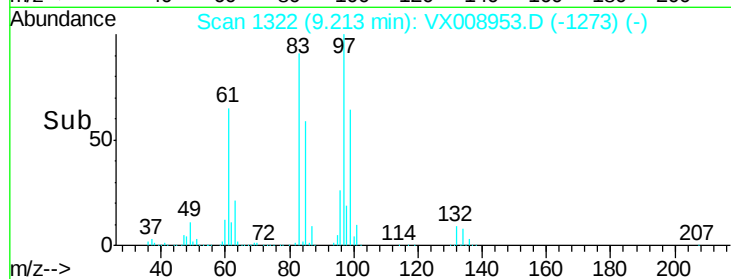
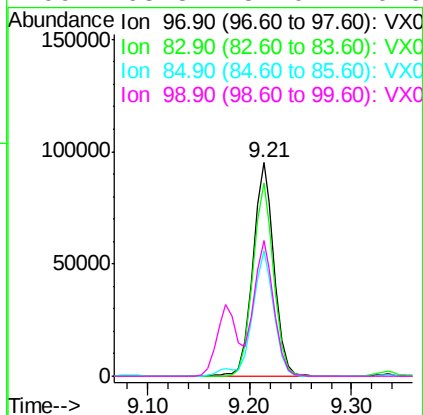
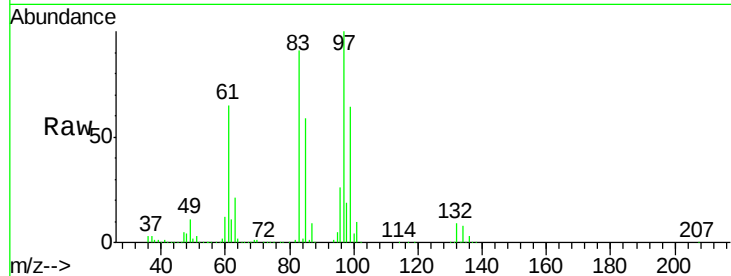
#55
 1,1,2-Trichloroethane
 Concen: 46.131 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008953.D
 Acq: 15 Apr 2019 11:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	137684
Ion	Ratio	Lower	Upper
97	100		
83	90.7	72.6	108.8
85	58.6	46.9	70.3
99	63.8	51.0	76.6

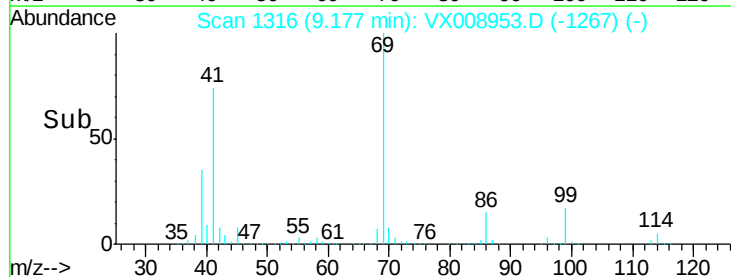
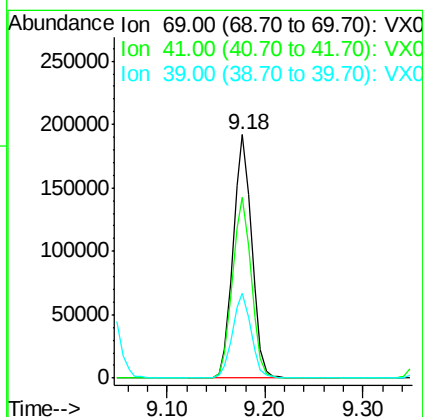
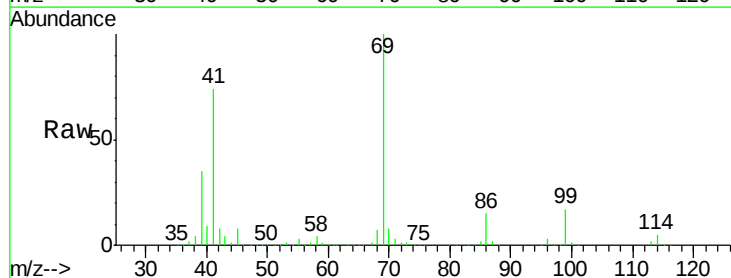
Manual Integrations
 APPROVED

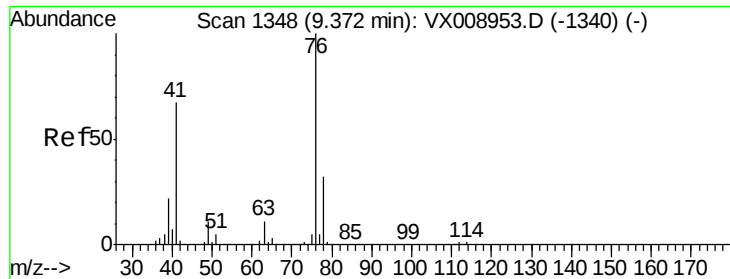
MMDadoda
 4/16/2019 10:52:55 AM



#56
 Ethyl methacrylate
 Concen: 47.160 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008953.D
 Acq: 15 Apr 2019 11:09

Tgt Ion:	69	Resp:	253818
Ion	Ratio	Lower	Upper
69	100		
41	75.2	60.2	90.2
39	34.9	27.9	41.9





#57

1,3-Dichloropropane

Concen: 45.809 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX008953.D

Acq: 15 Apr 2019 11:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 244959

Ion Ratio Lower Upper

76 100

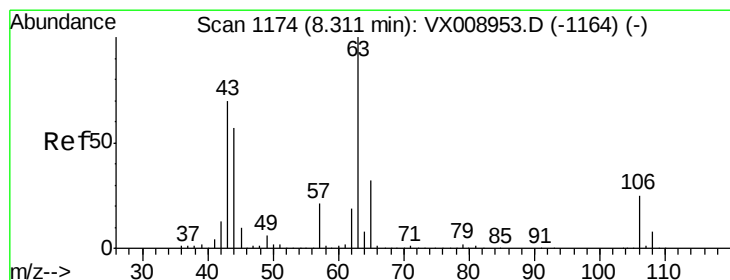
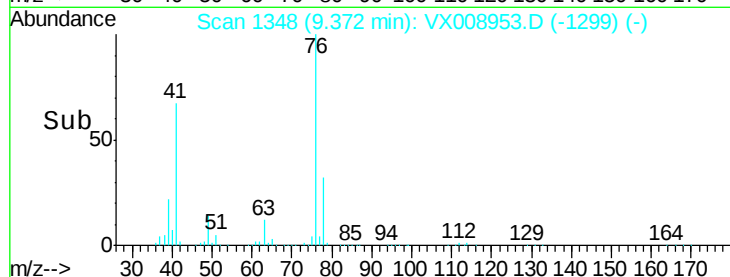
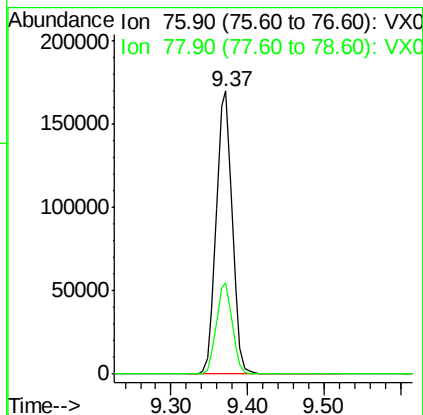
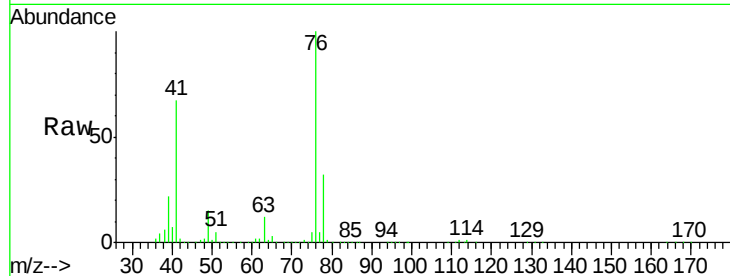
78 32.1 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

4/16/2019 10:52:55 AM



#58

2-Chloroethyl Vinyl ether

Concen: 245.764 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX008953.D

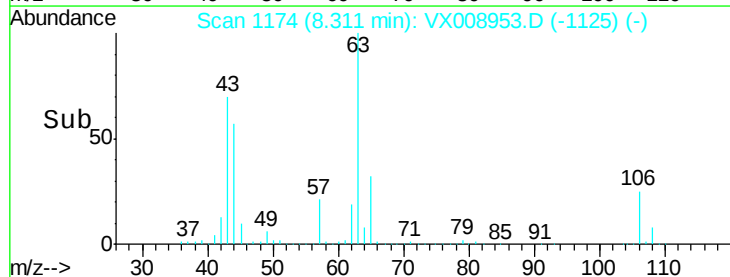
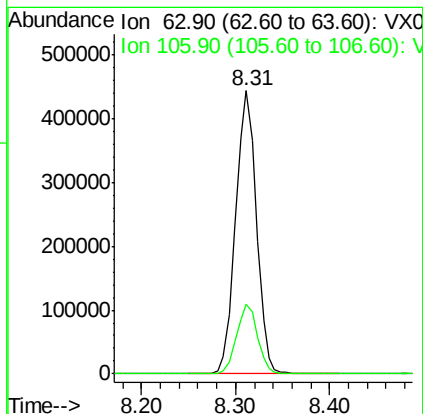
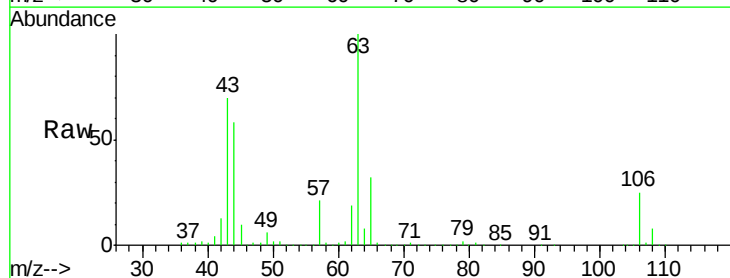
Acq: 15 Apr 2019 11:09

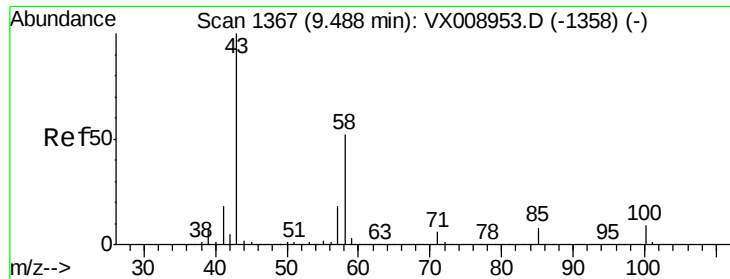
Tgt Ion: 63 Resp: 681939

Ion Ratio Lower Upper

63 100

106 24.7 19.8 29.6





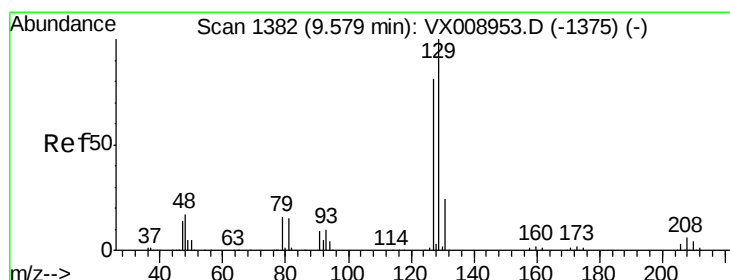
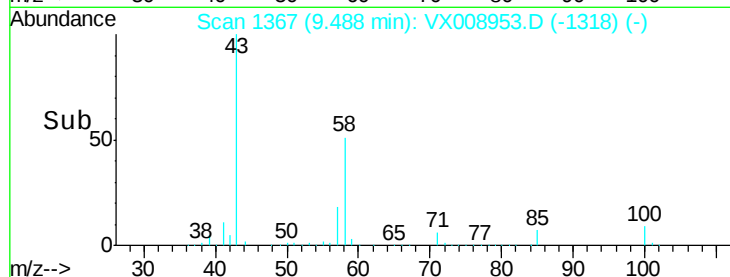
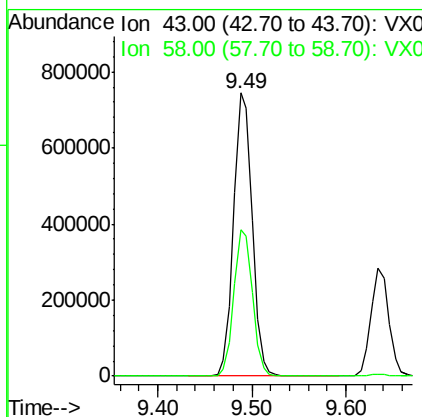
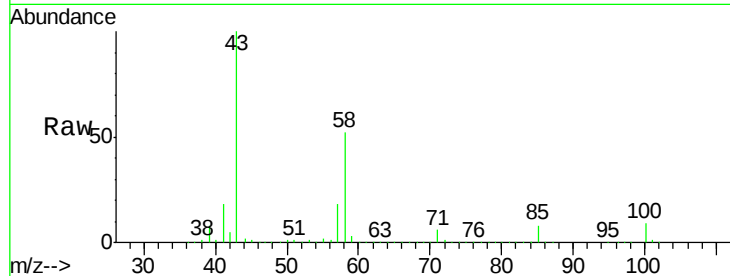
#59
2-Hexanone
Concen: 230.804 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX008953.D
Acq: 15 Apr 2019 11:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1018509
Ion Ratio Lower Upper
43 100
58 51.9 25.9 77.8

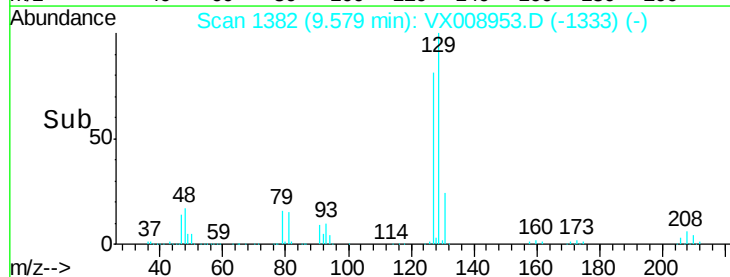
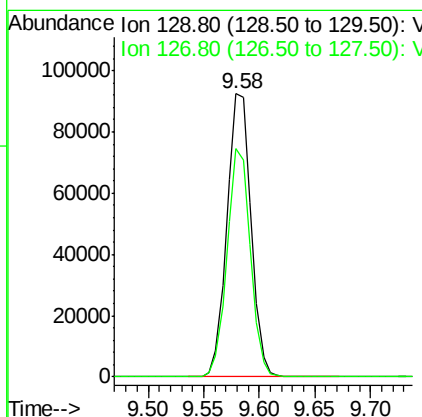
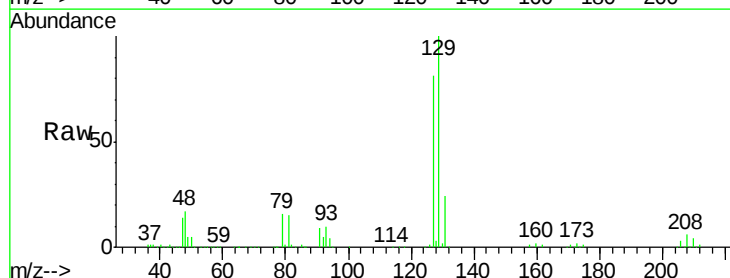
Manual Integrations
APPROVED

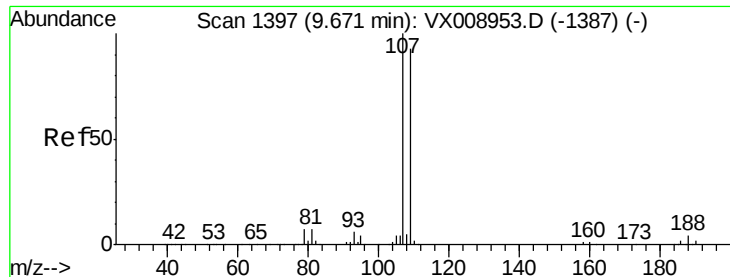
MMDadoda
4/16/2019 10:52:55 AM



#60
Dibromochloromethane
Concen: 49.140 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008953.D
Acq: 15 Apr 2019 11:09

Tgt Ion: 129 Resp: 138480
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 46.418 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008953.D

Acq: 15 Apr 2019 11:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 144190

Ion Ratio Lower Upper

107 100

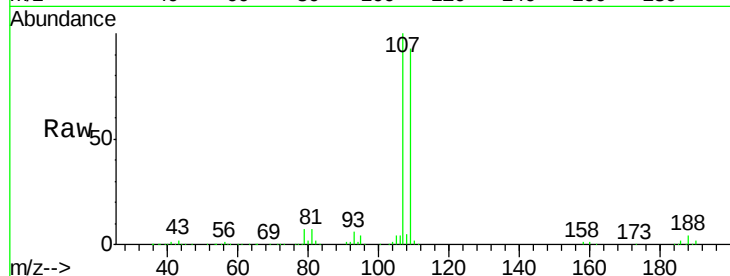
109 93.0 74.4 111.6

Manual Integrations

APPROVED

MMDadoda

4/16/2019 10:52:55 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

120000

100000

80000

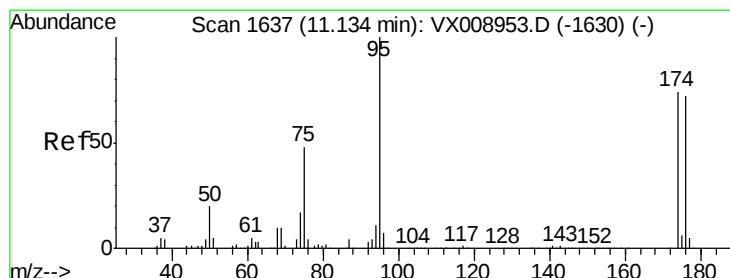
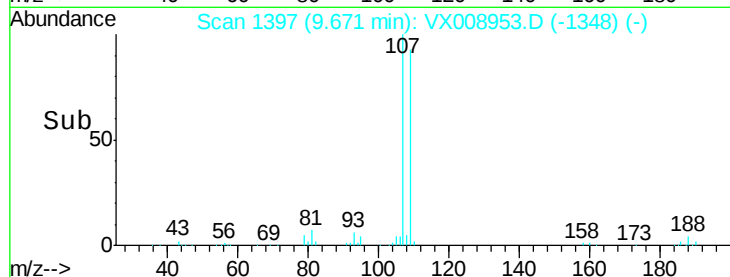
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.976 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008953.D

Acq: 15 Apr 2019 11:09

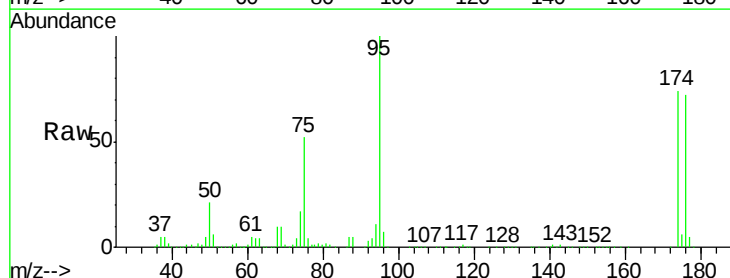
Tgt Ion: 95 Resp: 176297

Ion Ratio Lower Upper

95 100

174 79.8 0.0 159.6

176 77.4 0.0 154.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

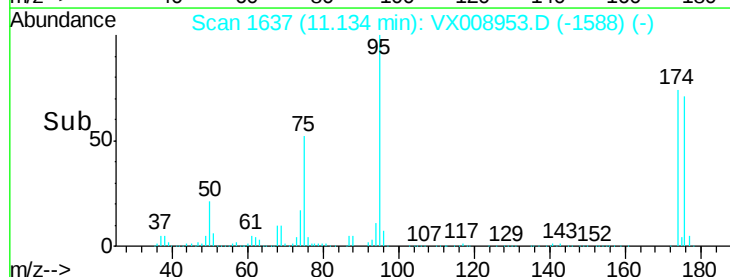
150000

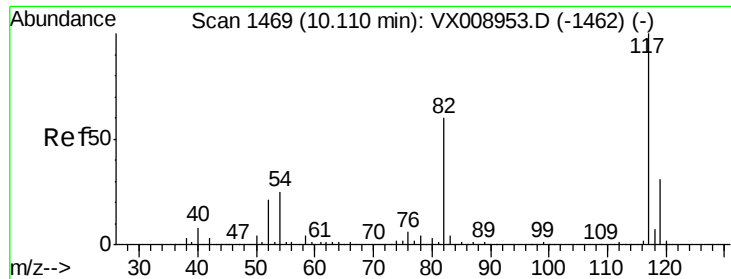
100000

50000

0

Time-->





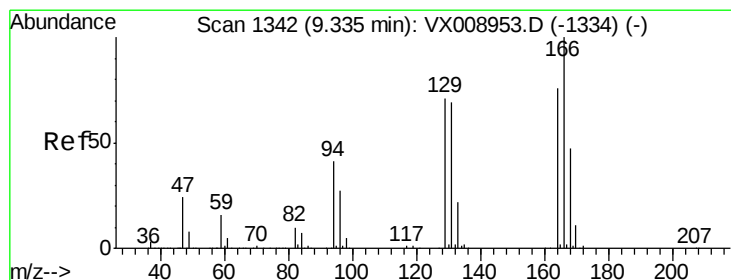
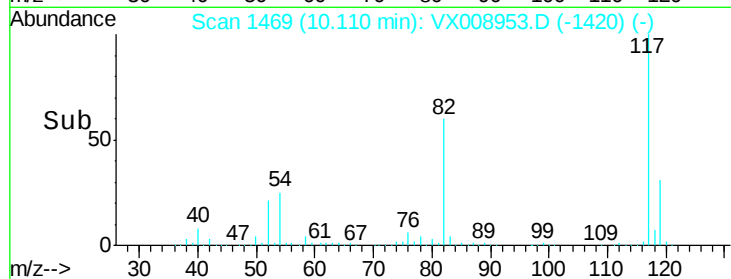
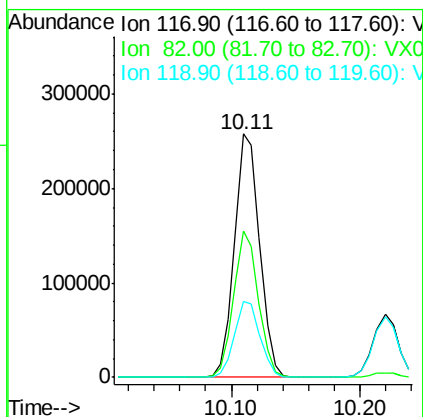
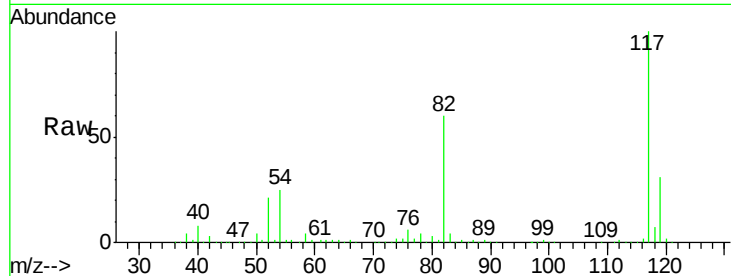
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008953.D
Acq: 15 Apr 2019 11:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.3	48.2	72.4
119	31.3	25.0	37.6

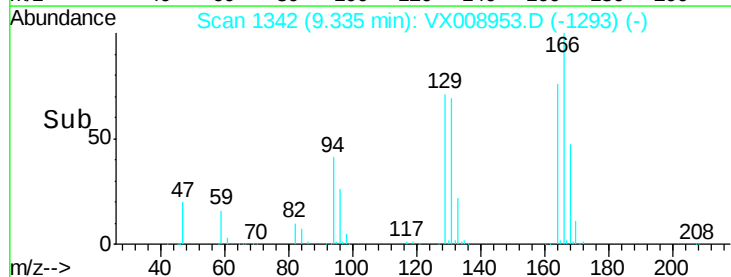
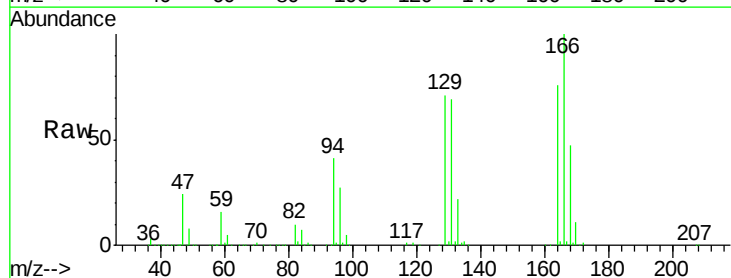
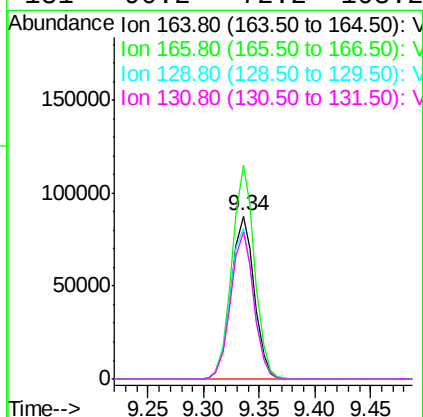
Manual Integrations
APPROVED

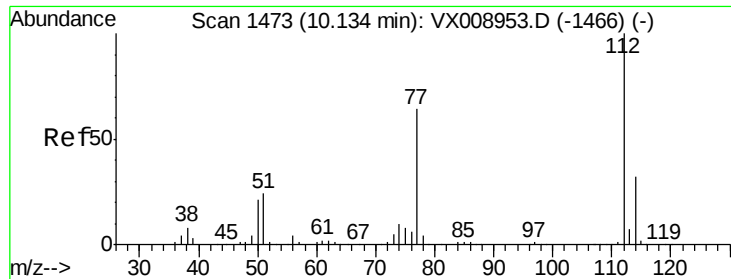
MMDadoda
4/16/2019 10:52:55 AM



#64
Tetrachloroethene
Concen: 48.504 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008953.D
Acq: 15 Apr 2019 11:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.2	105.0	157.4
129	92.8	74.2	111.4
131	90.2	72.2	108.2





#65

Chlorobenzene

Concen: 45.396 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX008953.D

Acq: 15 Apr 2019 11:09

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion:112 Resp: 348190

Ion Ratio Lower Upper

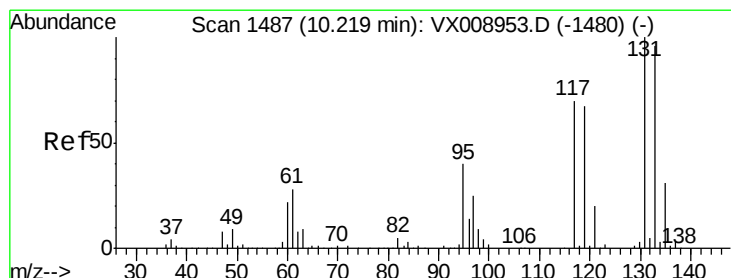
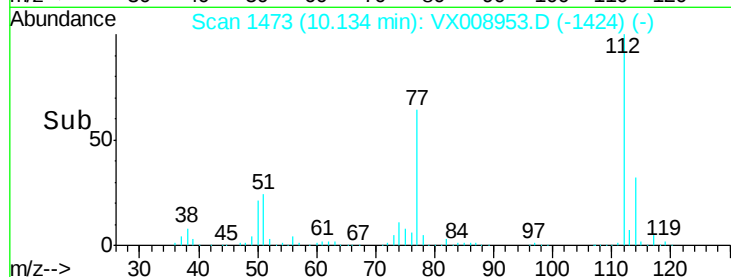
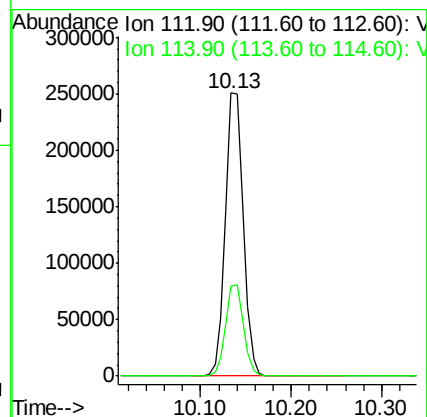
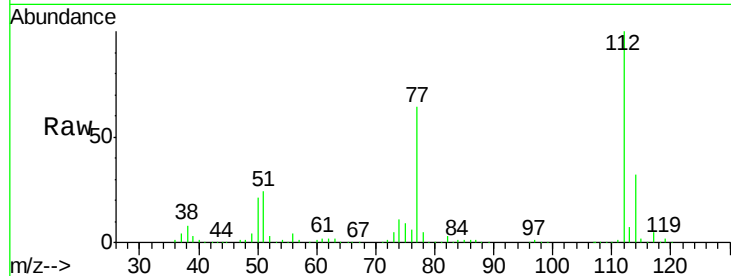
112 100

114 31.7 25.4 38.0

Manual Integrations
APPROVED

MMDadoda

4/16/2019 10:52:55 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 47.158 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX008953.D

Acq: 15 Apr 2019 11:09

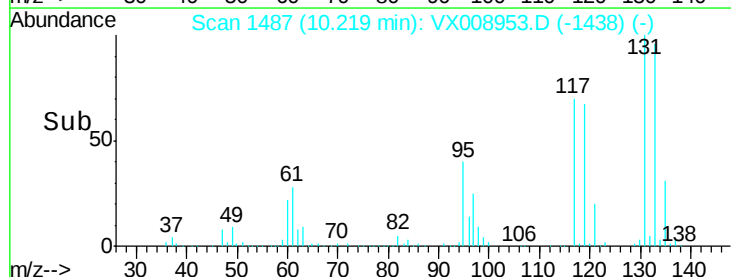
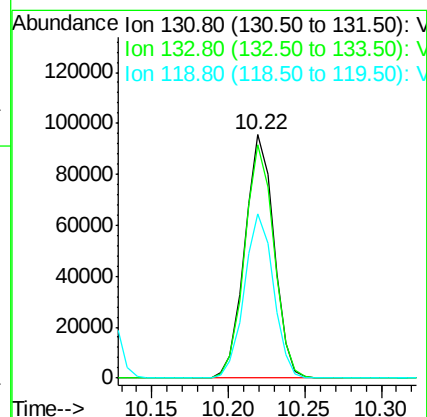
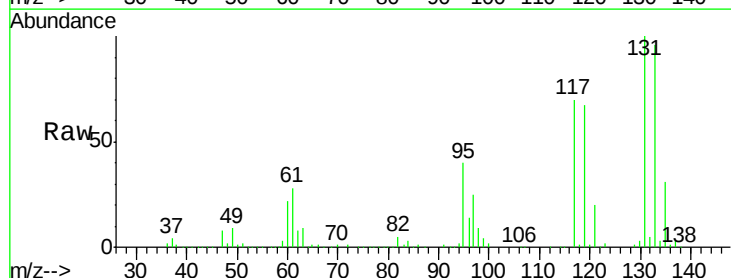
Tgt Ion:131 Resp: 126849

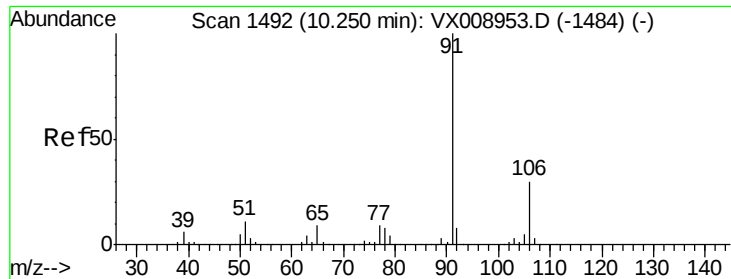
Ion Ratio Lower Upper

131 100

133 96.1 48.0 144.2

119 67.4 33.7 101.1





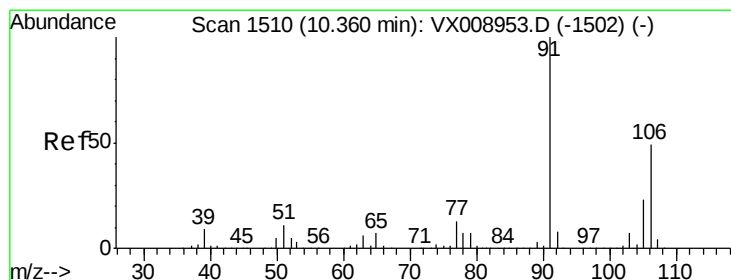
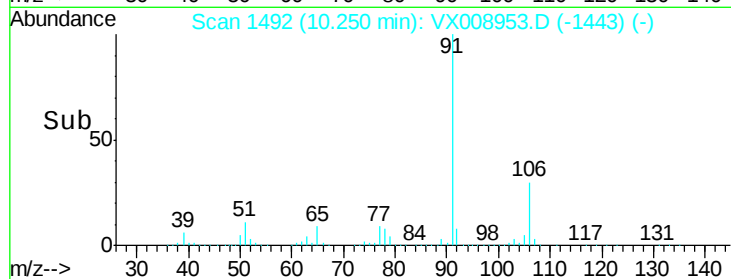
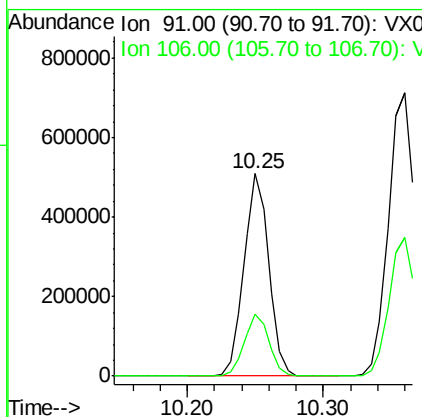
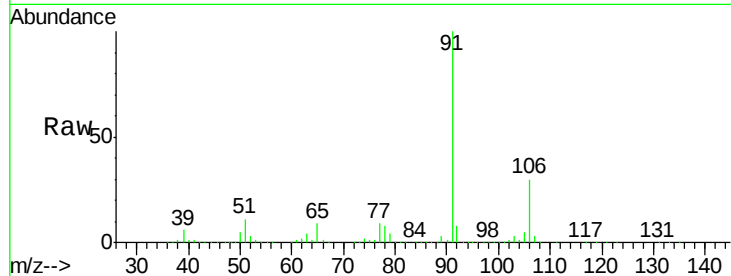
#67
Ethyl Benzene
Concen: 45.548 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX008953.D
Acq: 15 Apr 2019 11:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 649635
Ion Ratio Lower Upper
91 100
106 30.4 24.3 36.5

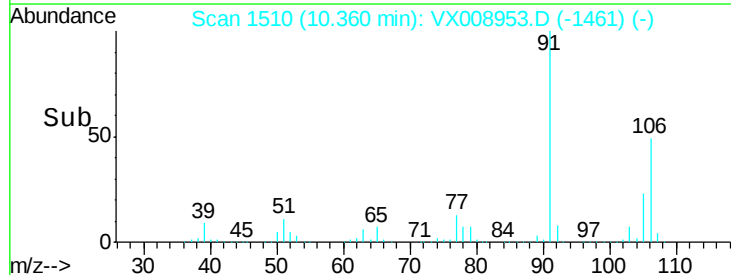
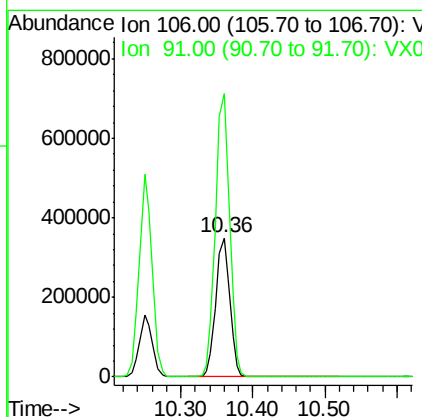
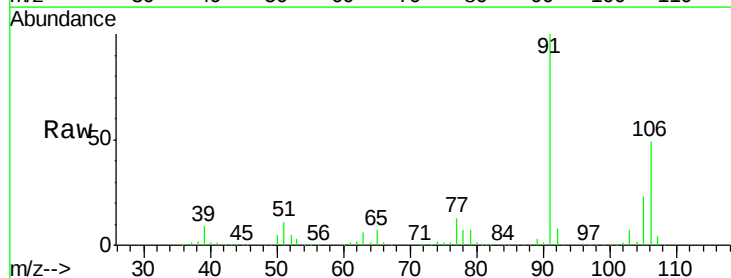
Manual Integrations
APPROVED

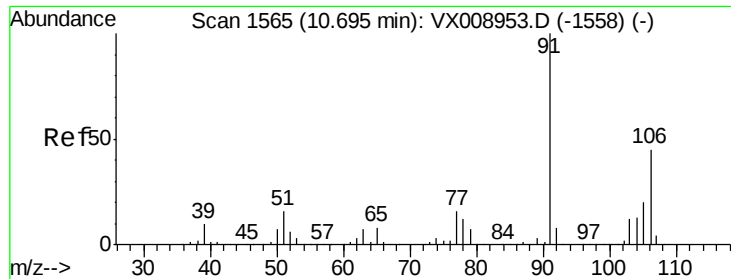
MMDadoda
4/16/2019 10:52:55 AM



#68
m/p-Xylenes
Concen: 91.804 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX008953.D
Acq: 15 Apr 2019 11:09

Tgt Ion: 106 Resp: 471463
Ion Ratio Lower Upper
106 100
91 206.8 165.4 248.2





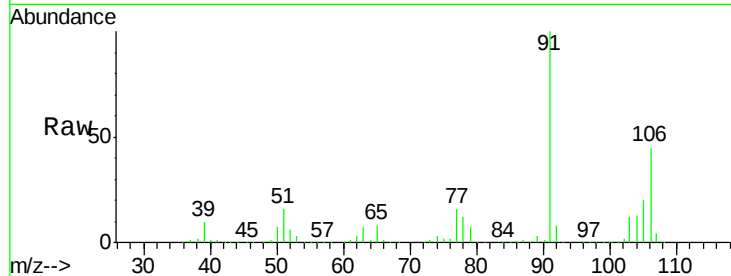
#69
o-Xylene
Concen: 45.817 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX008953.D
Acq: 15 Apr 2019 11:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

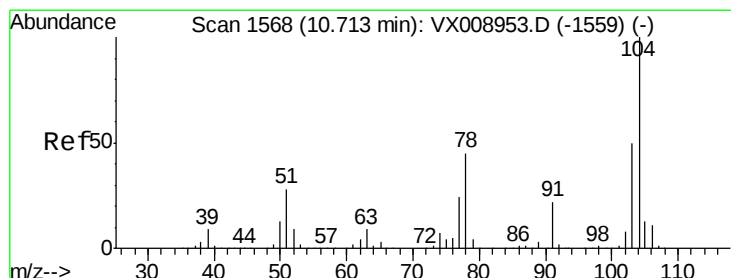
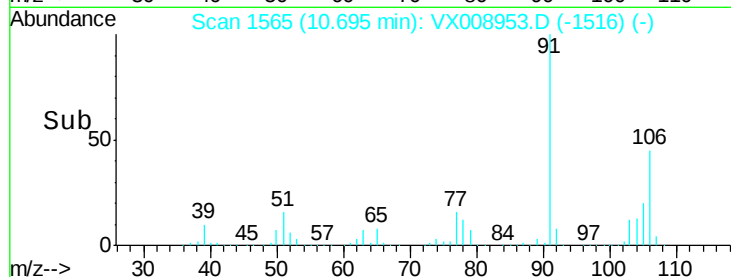
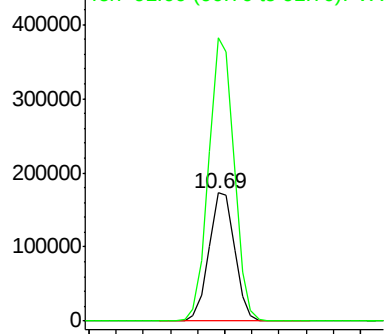
Tot Ion	Ratio	Lower	Upper
106	100		
91	217.8	108.9	326.7

Manual Integrations
APPROVED

MMDadoda
4/16/2019 10:52:55 AM

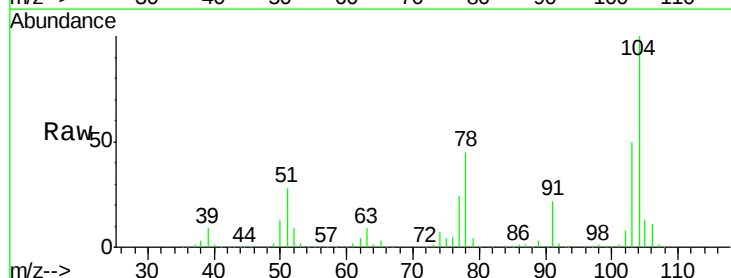


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

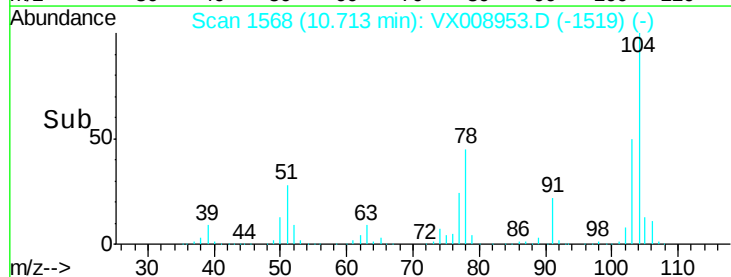
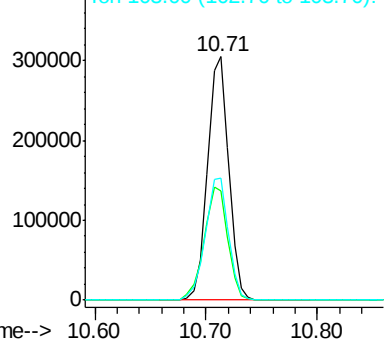


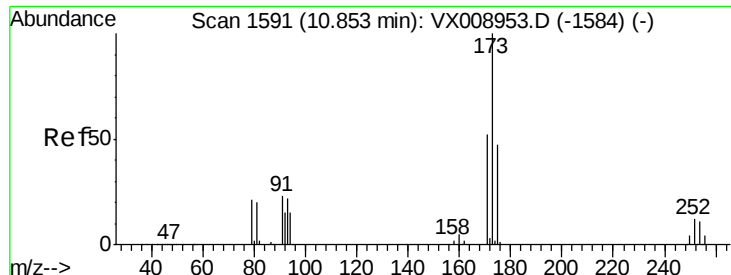
#70
Styrene
Concen: 46.777 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008953.D
Acq: 15 Apr 2019 11:09

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.5	41.2	61.8
103	54.9	43.9	65.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





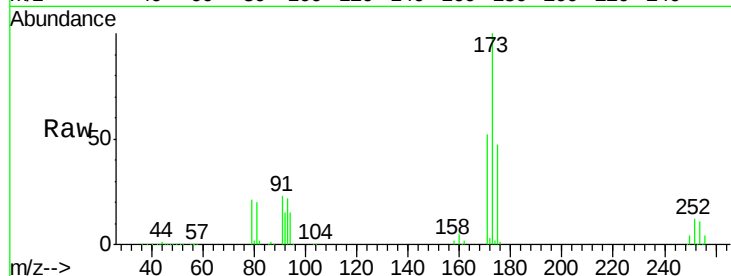
#71
Bromoform
Concen: 50.331 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX008953.D
Acq: 15 Apr 2019 11:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.9	71.8
254	0.3	0.2	0.4

Manual Integrations
APPROVED

MMDadoda
4/16/2019 10:52:55 AM

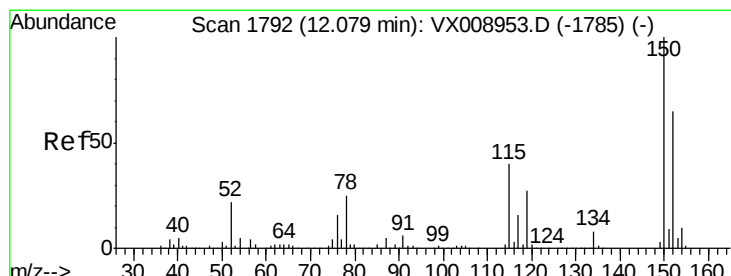
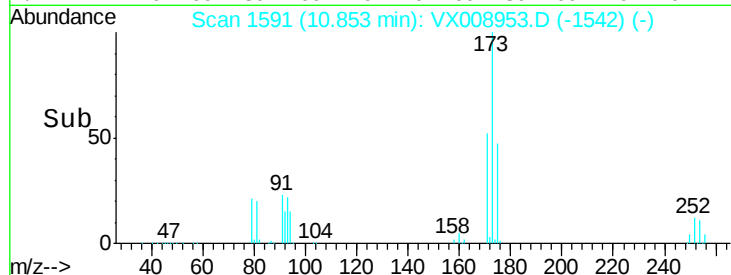
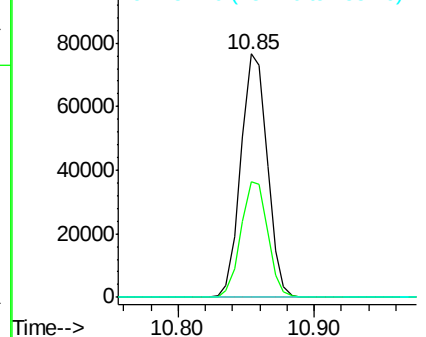


Abundance

Ion 172.70 (172.40 to 173.40): V

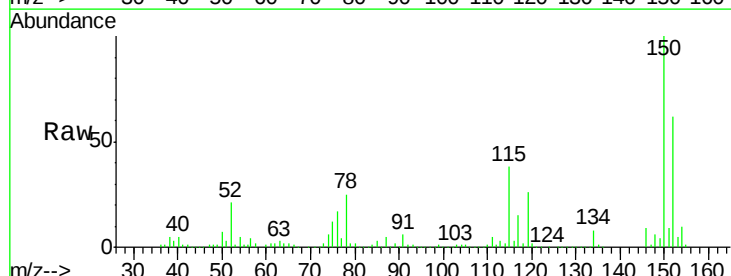
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008953.D
Acq: 15 Apr 2019 11:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	82.8	41.4	124.2
150	174.9	0.0	349.8

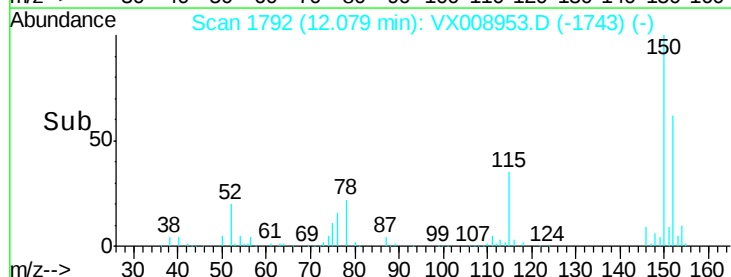
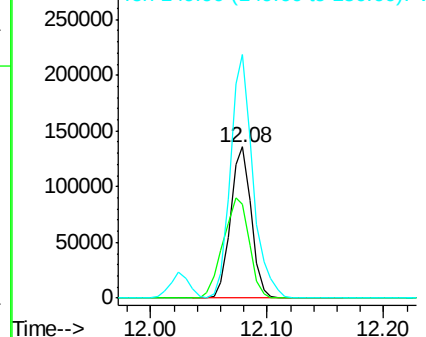


Abundance

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: 45.487 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008953.D

Acq: 15 Apr 2019 11:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 611296

Ion Ratio Lower Upper

105 100

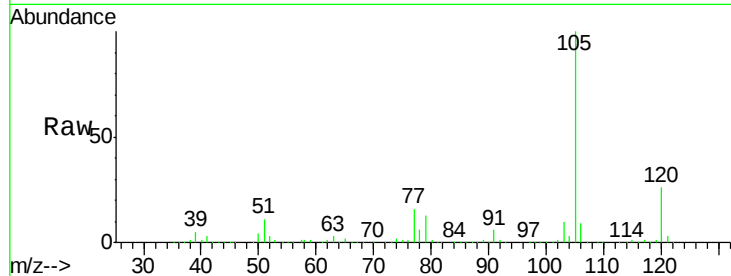
120 25.8 12.9 38.7

Manual Integrations

APPROVED

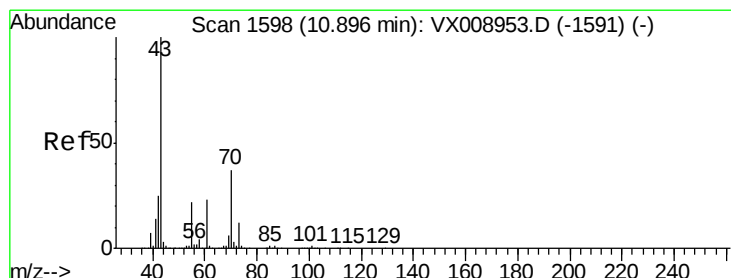
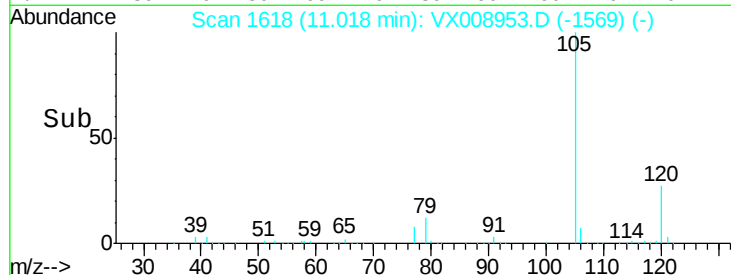
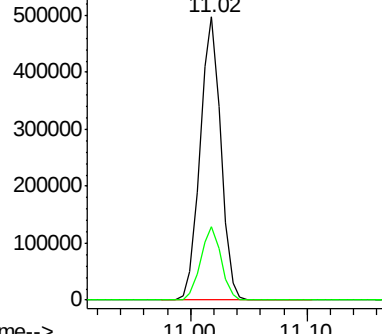
MMDadoda

4/16/2019 10:52:55 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 44.924 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008953.D

Acq: 15 Apr 2019 11:09

Tgt Ion: 43 Resp: 354956

Ion Ratio Lower Upper

43 100

70 37.4 29.9 44.9

55 22.3 17.8 26.8

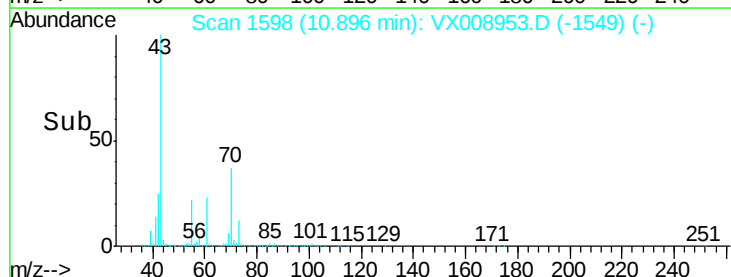
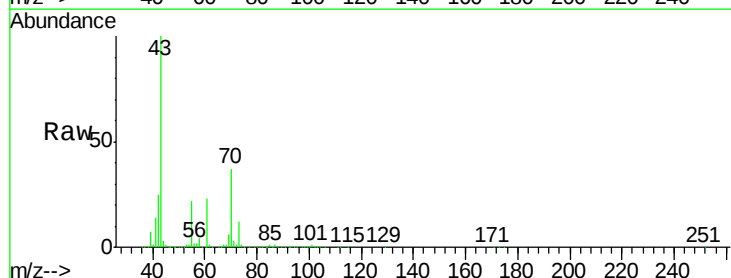
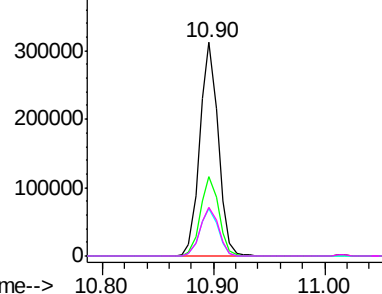
61 22.9 18.3 27.5

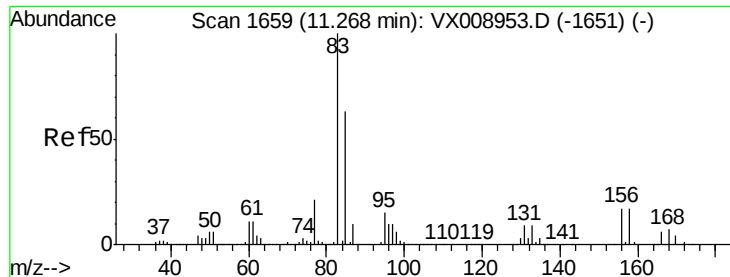
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 42.826 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008953.D

Acq: 15 Apr 2019 11:09

Instrument :

MSVOA_X

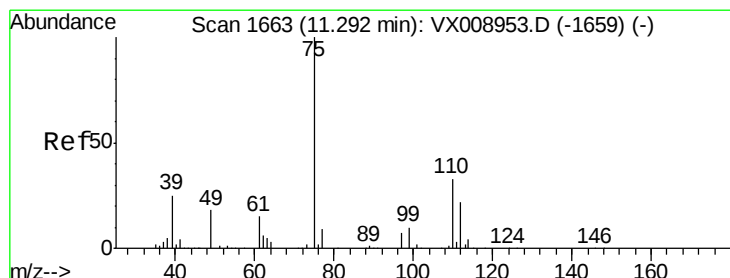
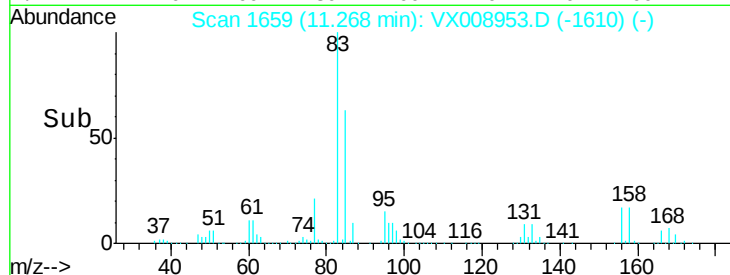
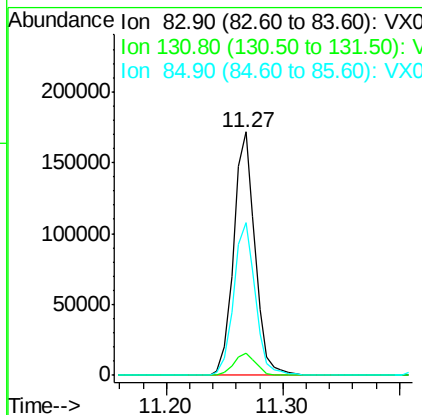
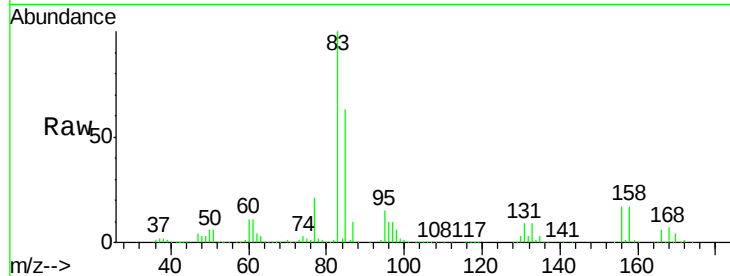
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	218295
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.7	14.0
85	63.9	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
4/16/2019 10:52:55 AM



#76

1,2,3-Trichloropropane

Concen: 42.958 ug/l m

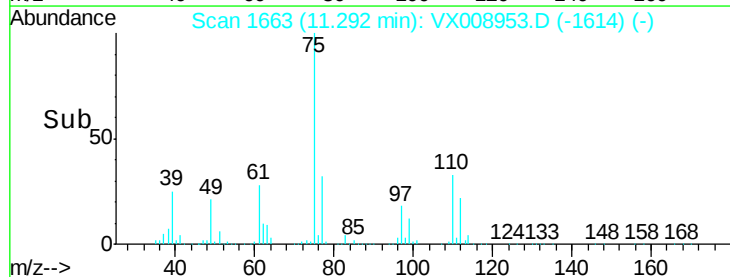
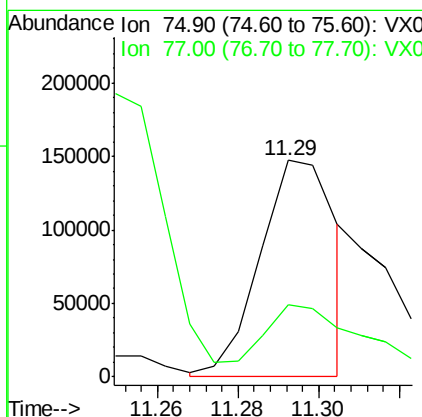
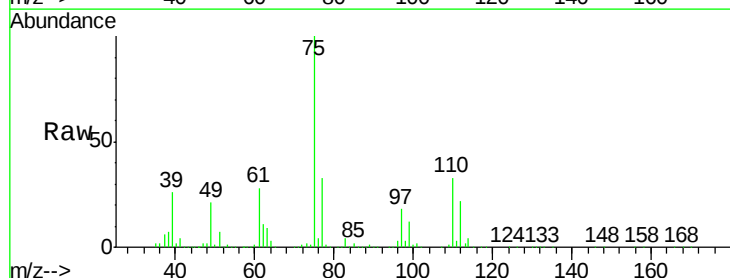
RT: 11.29 min Scan# 1663

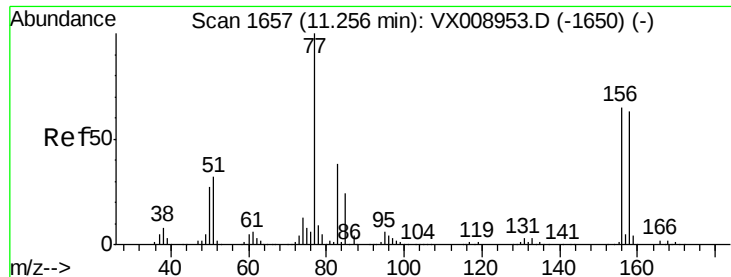
Delta R.T. 0.00 min

Lab File: VX008953.D

Acq: 15 Apr 2019 11:09

Tgt Ion:	75	Resp:	191263
Ion Ratio	Lower	Upper	
75	100		
77	45.3	22.7	68.0





#77

Bromobenzene

Concen: 45.960 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008953.D

Acq: 15 Apr 2019 11:09

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion:156 Resp: 149319

Ion Ratio Lower Upper

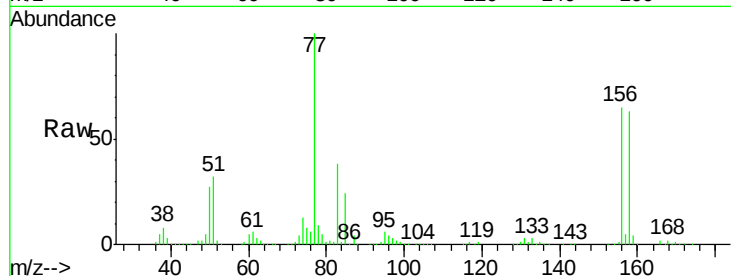
156 100

77 170.7 85.4 256.1

158 97.6 48.8 146.4

Manual Integrations
APPROVED

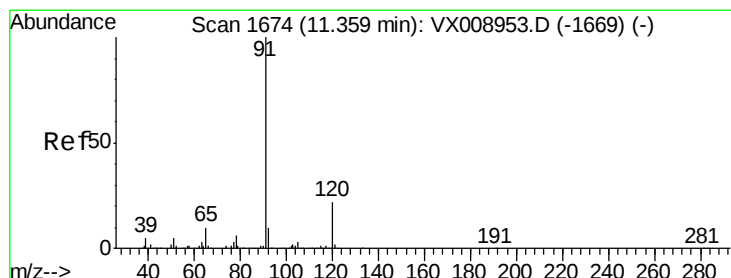
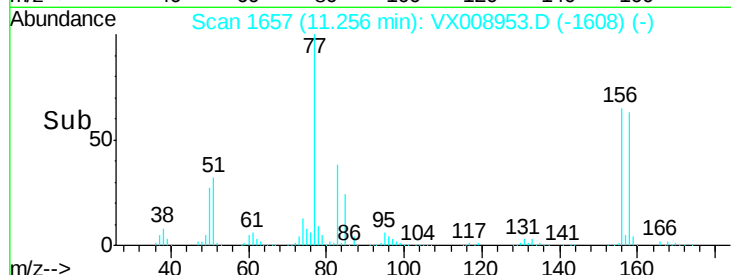
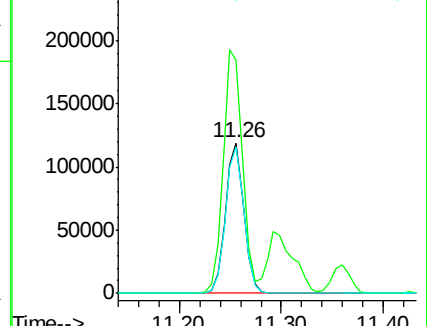
MMDadoda
4/16/2019 10:52:55 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 45.689 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008953.D

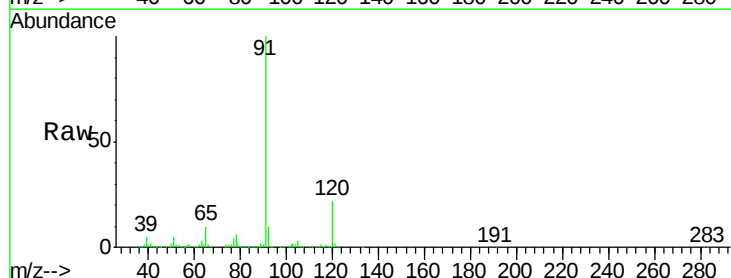
Acq: 15 Apr 2019 11:09

Tgt Ion: 91 Resp: 714552

Ion Ratio Lower Upper

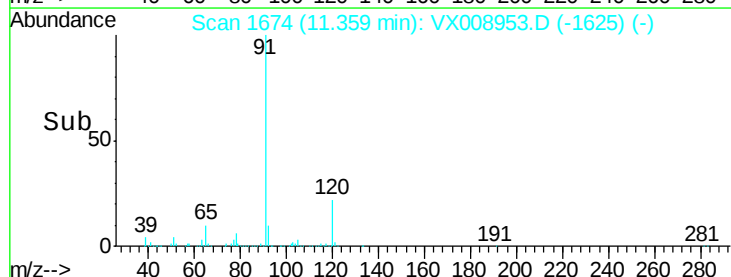
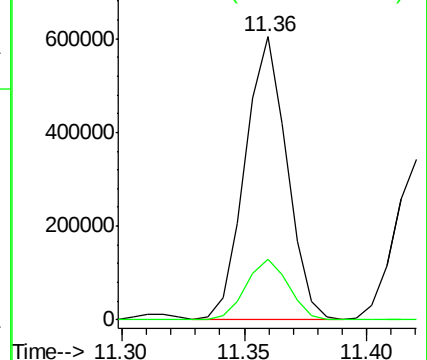
91 100

120 21.9 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 43.903 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008953.D

Acq: 15 Apr 2019 11:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 415321

Ion Ratio Lower Upper

91 100

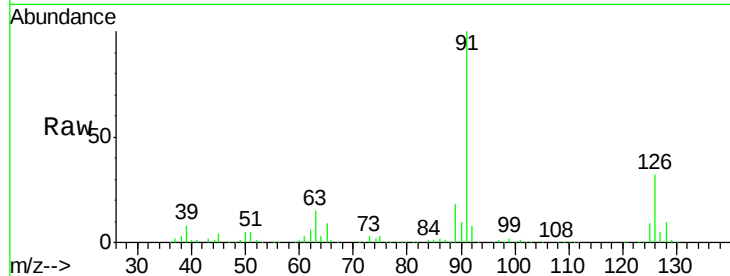
126 32.6 16.3 48.9

Manual Integrations

APPROVED

MMDadoda

4/16/2019 10:52:55 AM



Abundance Ion 91.00 (90.70 to 91.70): VX008953.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX008953.D (-1679) (-)

600000

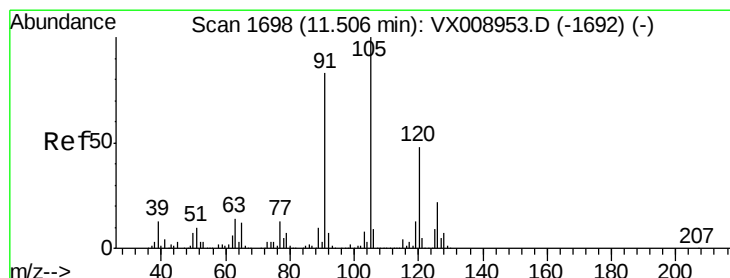
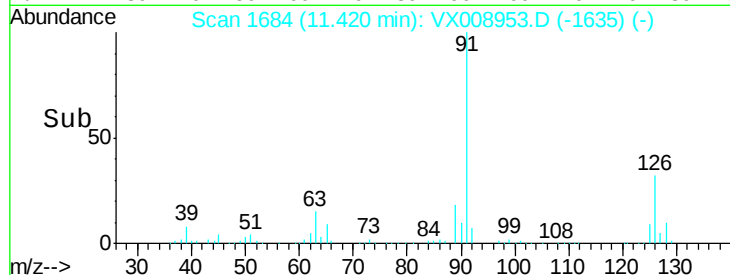
400000

200000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 45.453 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008953.D

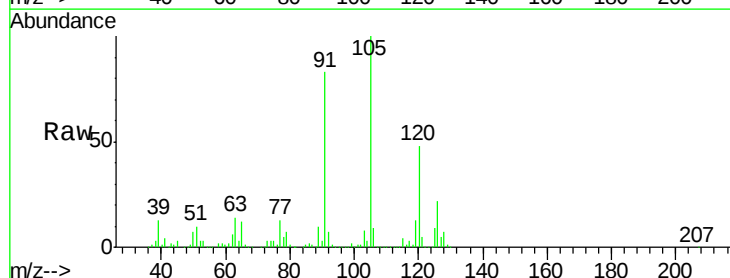
Acq: 15 Apr 2019 11:09

Tgt Ion:105 Resp: 511919

Ion Ratio Lower Upper

105 100

120 48.2 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VX008953.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX008953.D (-1692) (-)

500000

400000

300000

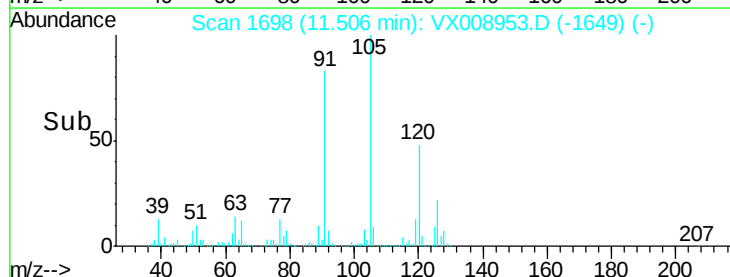
200000

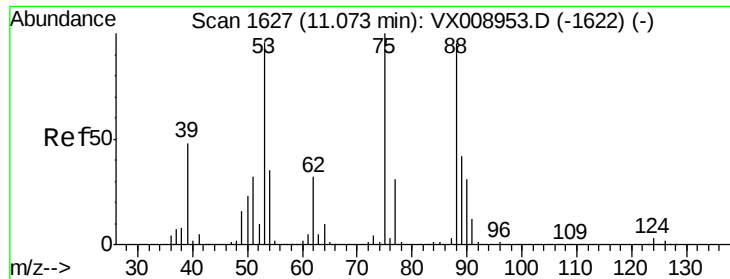
100000

0

11.50 11.60

Time-->





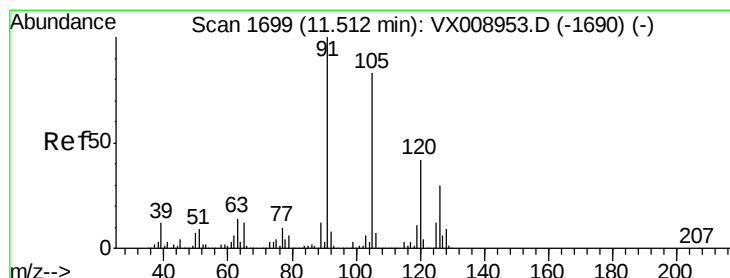
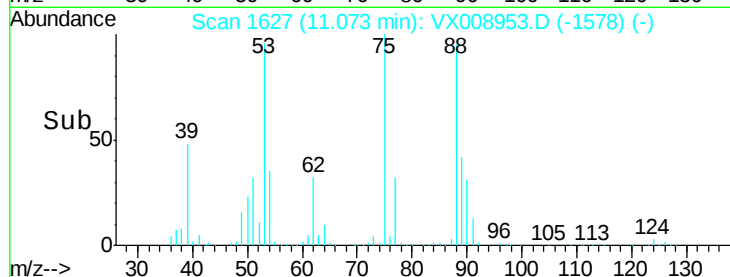
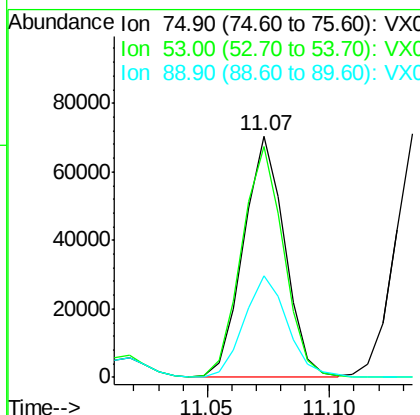
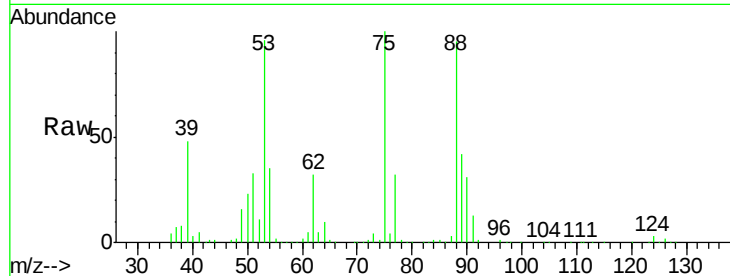
#81
trans-1,4-Dichloro-2-butene
Concen: 50.647 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX008953.D
Acq: 15 Apr 2019 11:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.8	78.2	117.4
89	45.0	36.0	54.0

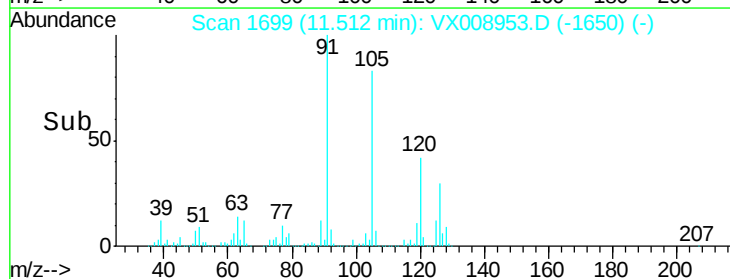
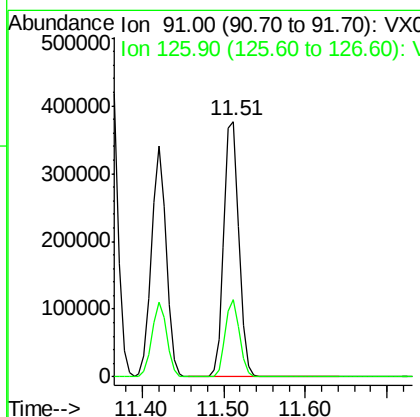
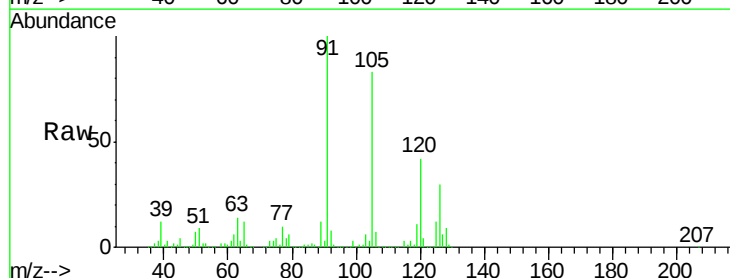
Manual Integrations
APPROVED

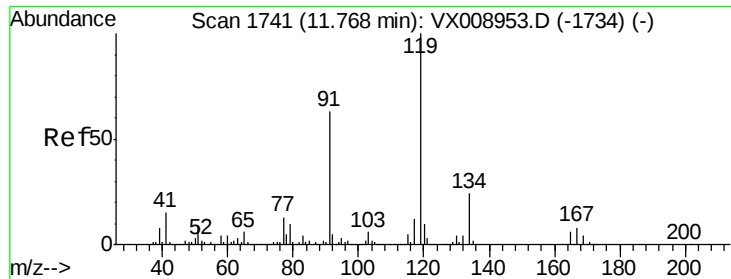
MMDadoda
4/16/2019 10:52:55 AM



#82
4-Chlorotoluene
Concen: 44.177 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX008953.D
Acq: 15 Apr 2019 11:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.3	42.9





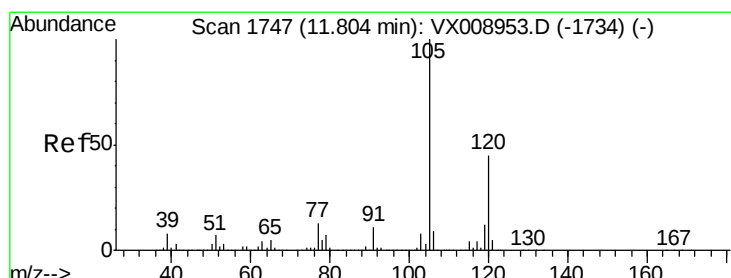
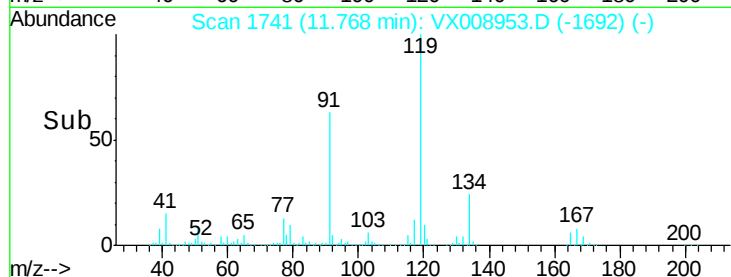
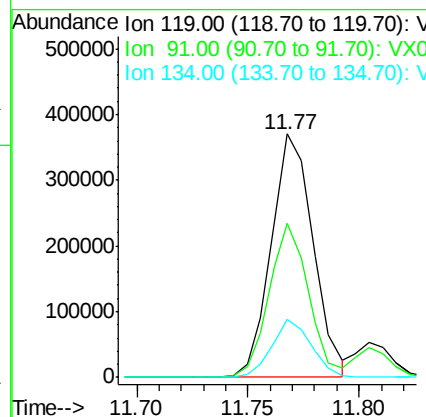
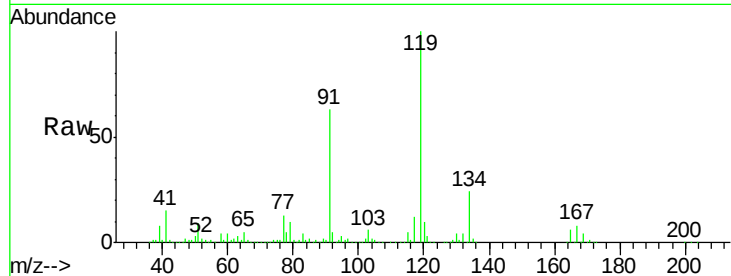
#83
tert-Butylbenzene
Concen: 44.684 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX008953.D
Acq: 15 Apr 2019 11:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.4	29.7	89.1
134	22.3	11.2	33.5

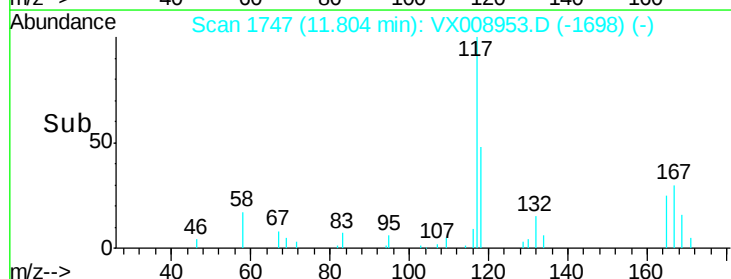
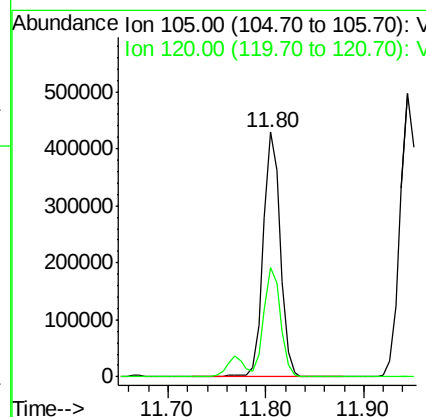
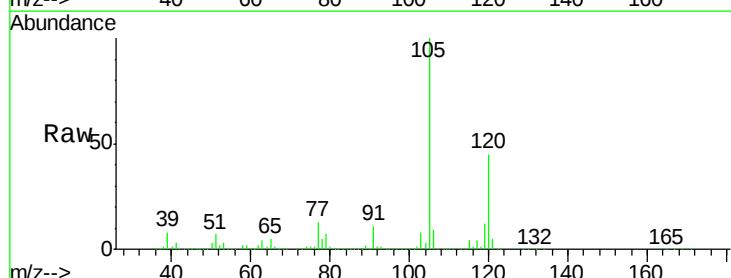
Manual Integrations
APPROVED

MMDadoda
4/16/2019 10:52:55 AM



#84
1,2,4-Trimethylbenzene
Concen: 45.195 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX008953.D
Acq: 15 Apr 2019 11:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	21.9	65.8





#85

sec-Butylbenzene

Concen: 45.825 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008953.D

Acq: 15 Apr 2019 11:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 590545

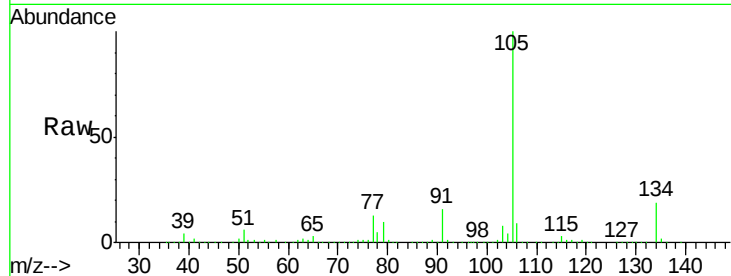
Ion Ratio Lower Upper

105 100

134 19.1 9.6 28.6

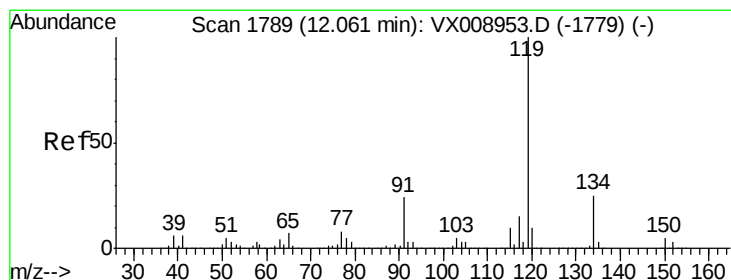
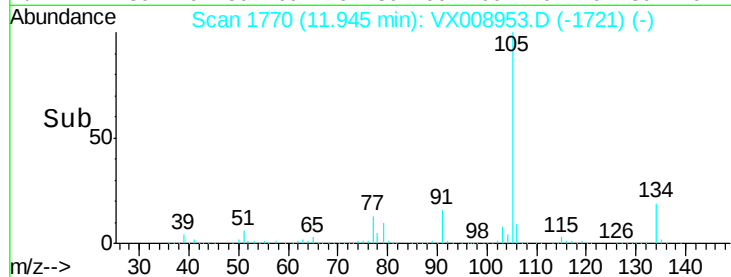
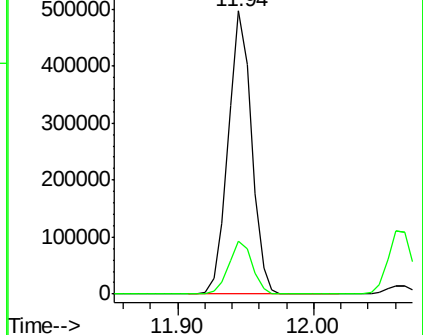
Manual Integrations
APPROVED

MMDadoda
4/16/2019 10:52:55 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.645 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008953.D

Acq: 15 Apr 2019 11:09

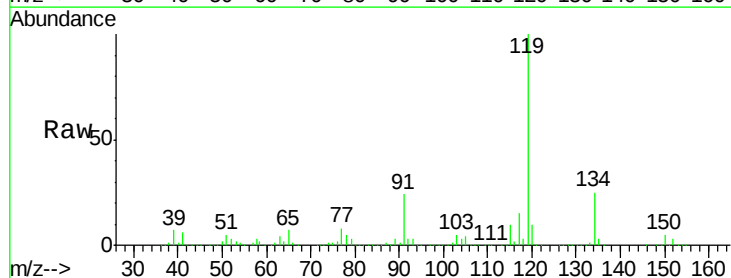
Tgt Ion:119 Resp: 541190

Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.6

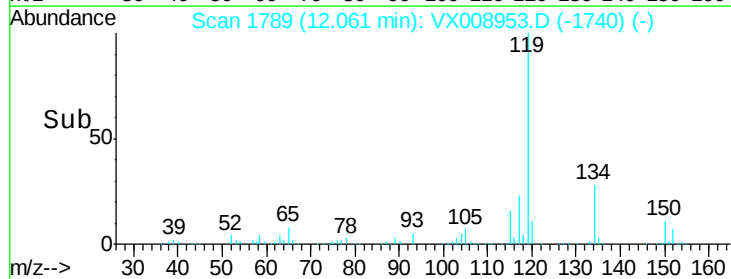
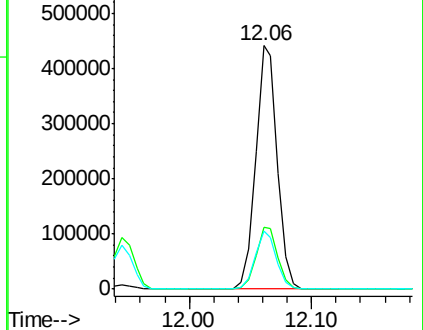
91 23.7 11.9 35.5

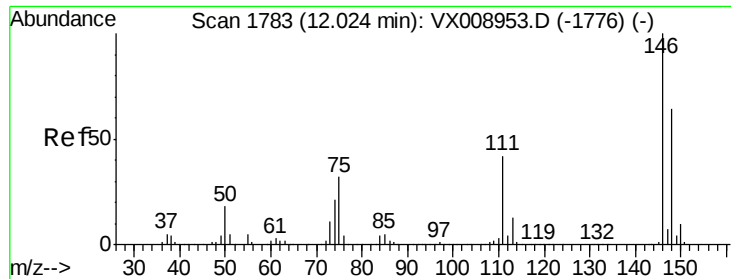


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





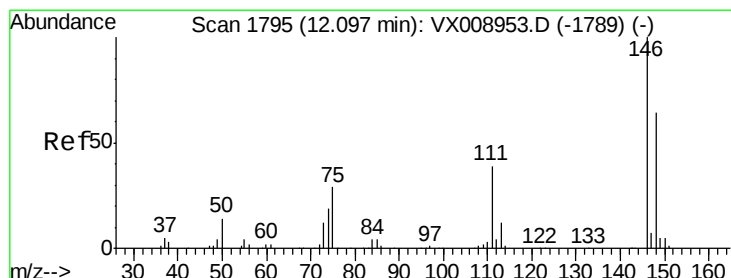
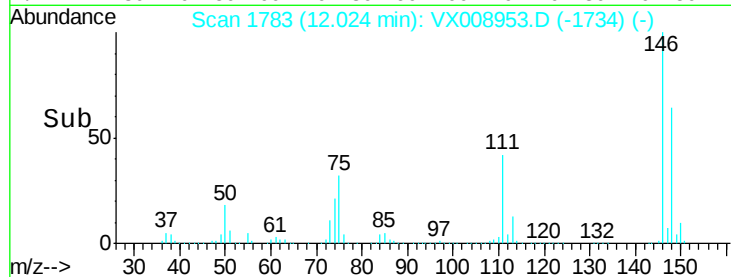
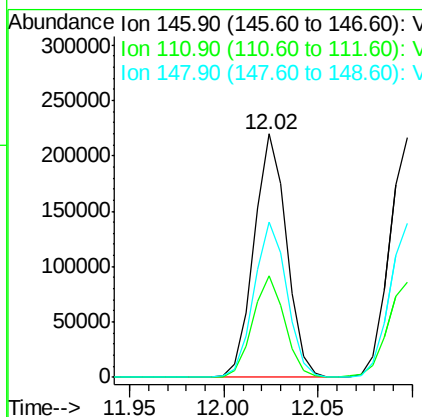
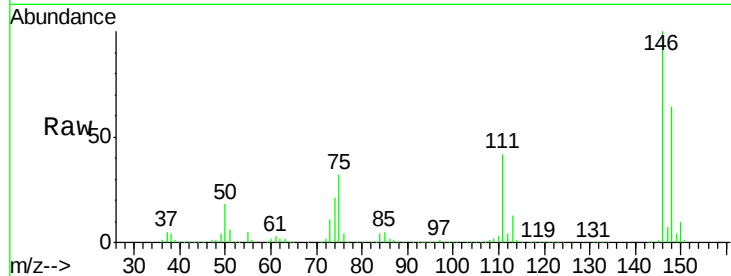
#87
 1,3-Dichlorobenzene
 Concen: 45.134 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008953.D
 Acq: 15 Apr 2019 11:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.5	61.6
148	64.4	32.2	96.6

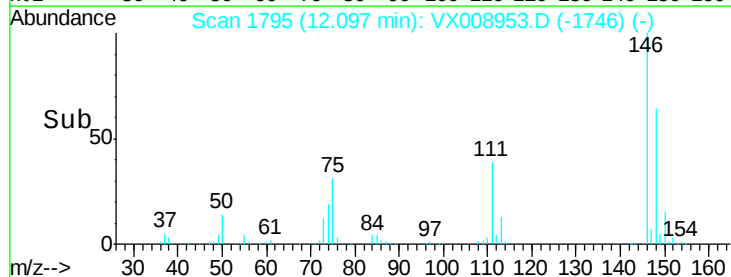
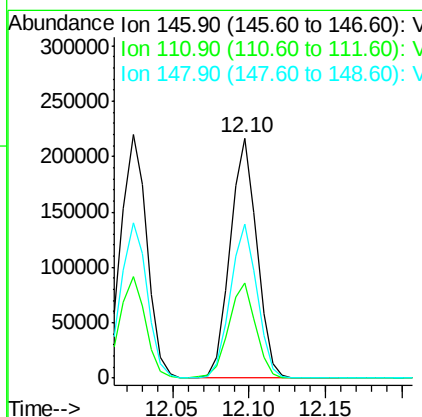
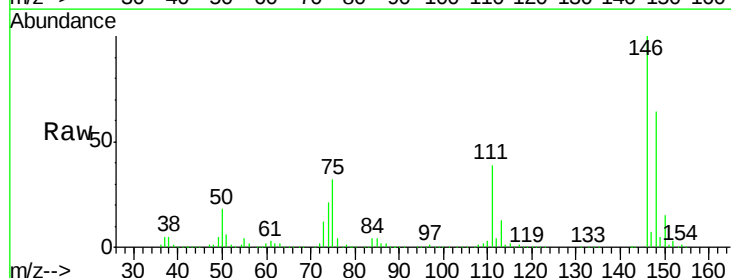
Manual Integrations
 APPROVED

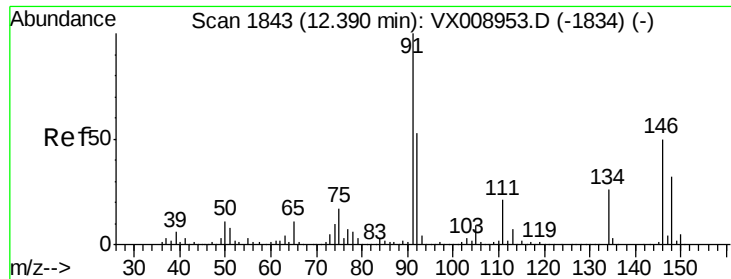
MMDadoda
 4/16/2019 10:52:55 AM



#88
 1,4-Dichlorobenzene
 Concen: 44.405 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008953.D
 Acq: 15 Apr 2019 11:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	64.4	32.2	96.6





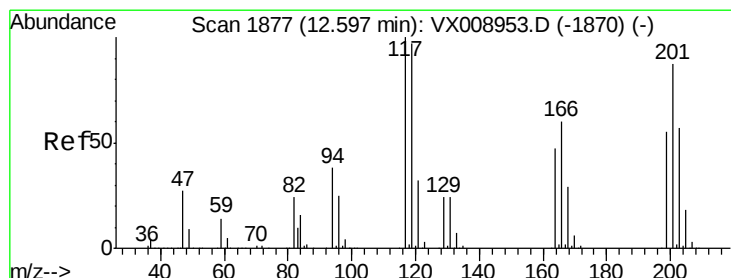
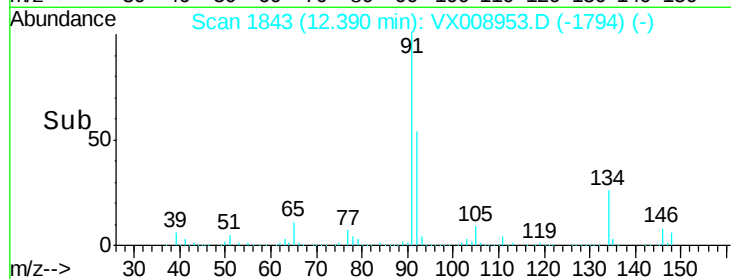
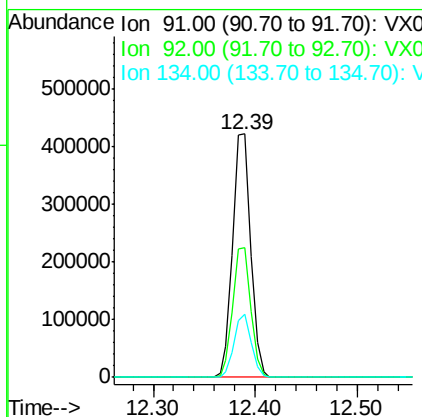
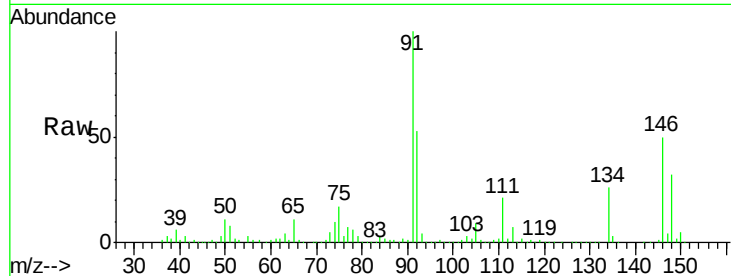
#89
n-Butylbenzene
Concen: 47.215 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX008953.D
Acq: 15 Apr 2019 11:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.6	79.8
134	24.8	12.4	37.2

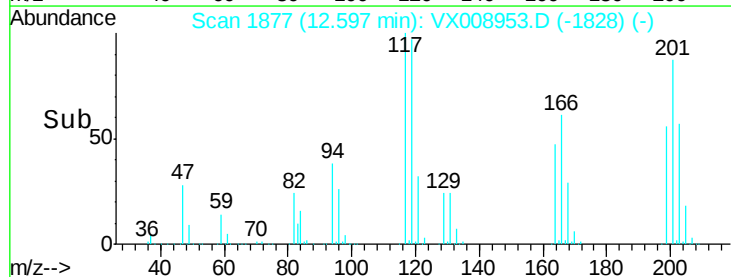
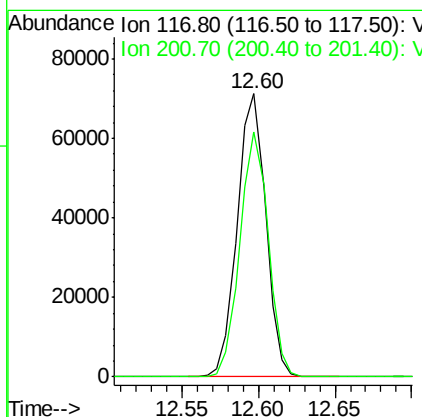
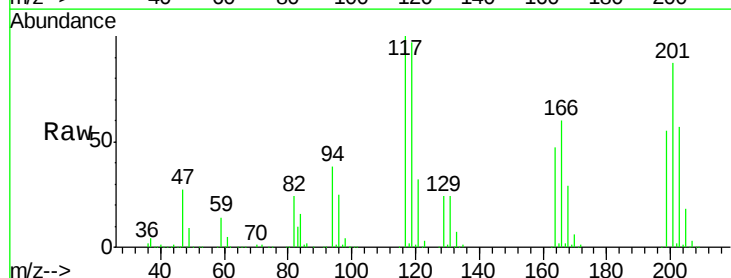
Manual Integrations
APPROVED

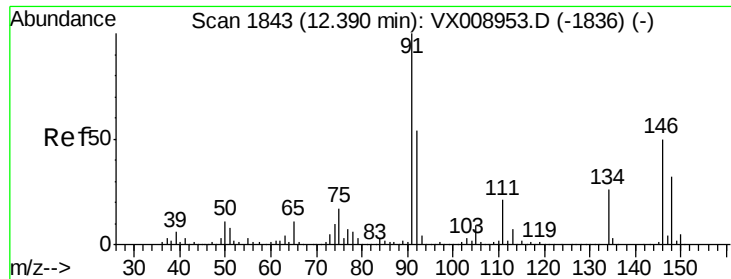
MMDadoda
4/16/2019 10:52:55 AM



#90
Hexachloroethane
Concen: 47.760 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008953.D
Acq: 15 Apr 2019 11:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.0	43.0	129.0





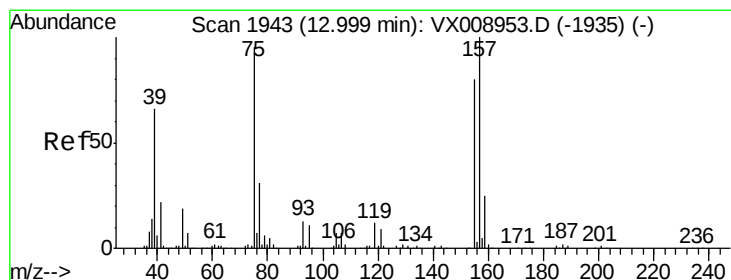
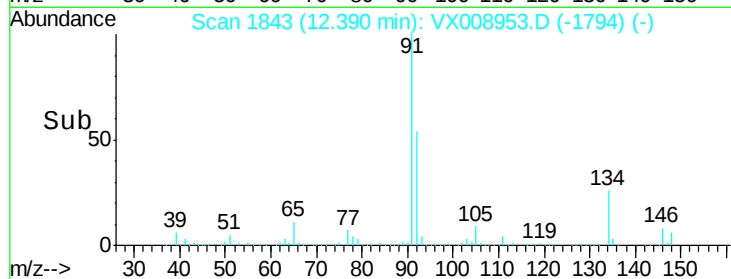
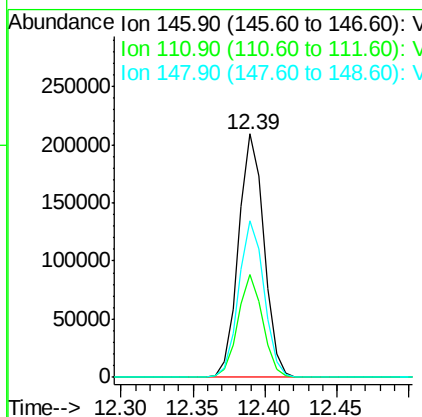
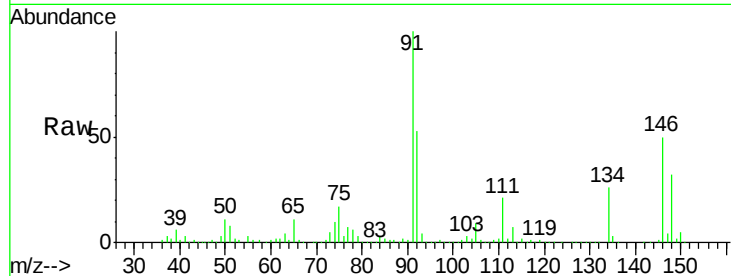
#91
 1,2-Dichlorobenzene
 Concen: 44.647 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008953.D
 Acq: 15 Apr 2019 11:09

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	257668		
111	41.3	20.6	61.9	
148	64.1	32.0	96.2	

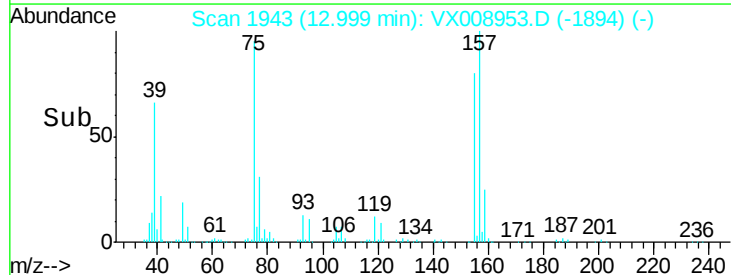
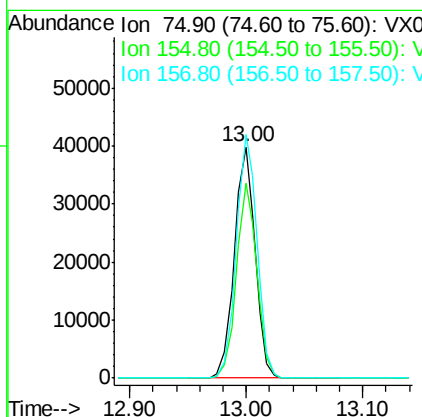
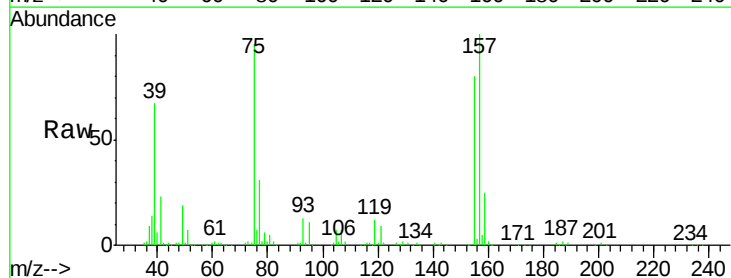
Manual Integrations
 APPROVED

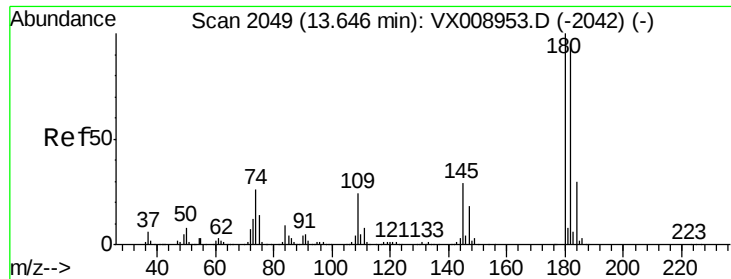
MMDadoda
 4/16/2019 10:52:55 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.103 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008953.D
 Acq: 15 Apr 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	49599		
155	82.4	41.2	123.6	
157	105.1	52.5	157.6	





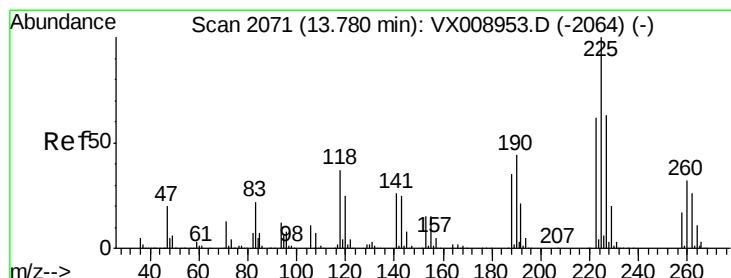
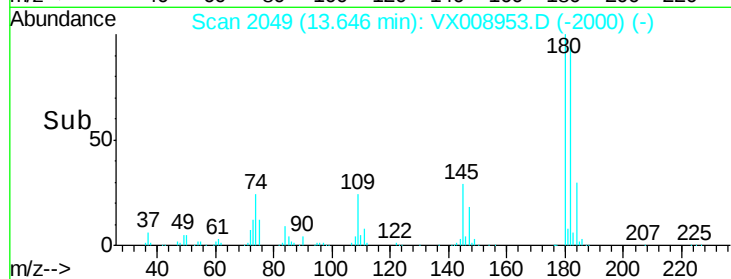
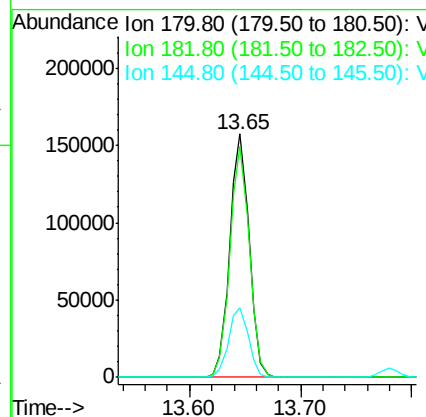
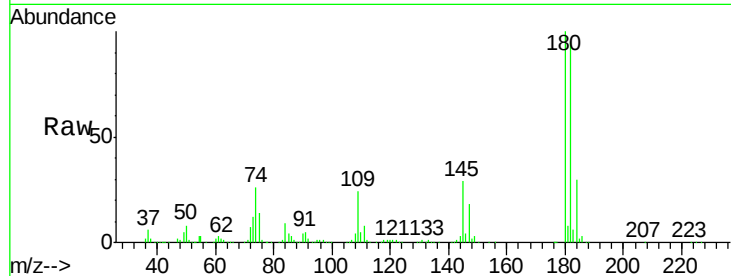
#93
 1,2,4-Trichlorobenzene
 Concen: 46.740 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008953.D
 Acq: 15 Apr 2019 11:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	189149		
182	95.3	47.6	142.9	
145	29.6	14.8	44.4	

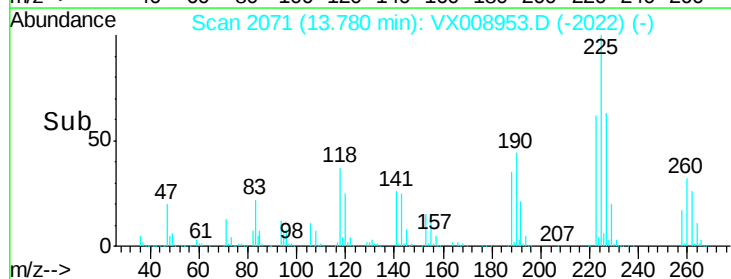
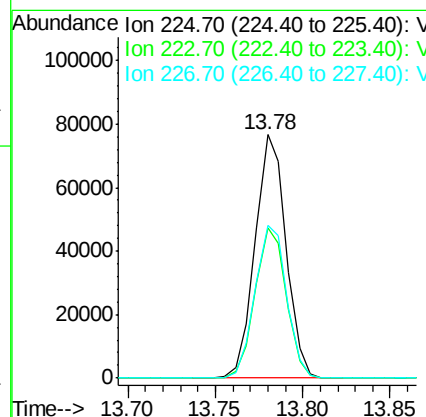
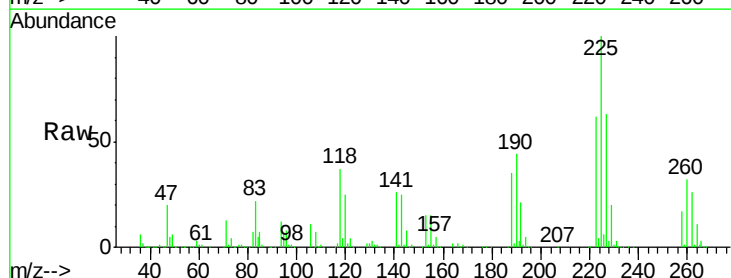
Manual Integrations
 APPROVED

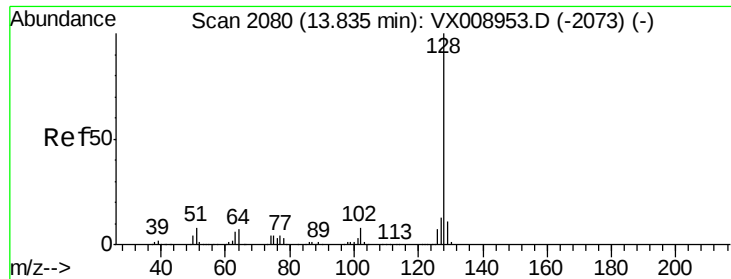
MMDadoda
 4/16/2019 10:52:55 AM



#94
 Hexachlorobutadiene
 Concen: 48.605 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008953.D
 Acq: 15 Apr 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	94271		
223	62.1	31.1	93.2	
227	64.1	32.0	96.2	





#95

Naphthalene

Concen: 45.333 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008953.D

Acq: 15 Apr 2019 11:09

Instrument :

MSVOA_X

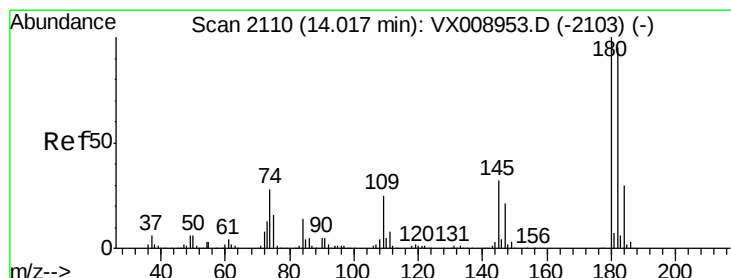
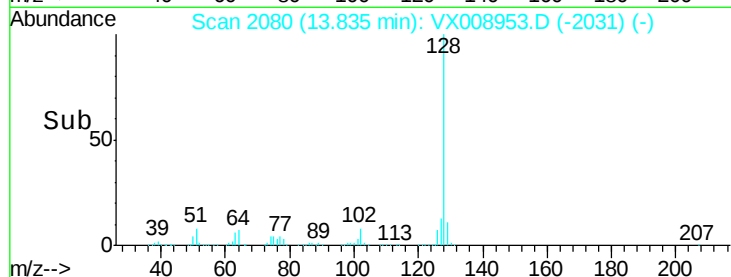
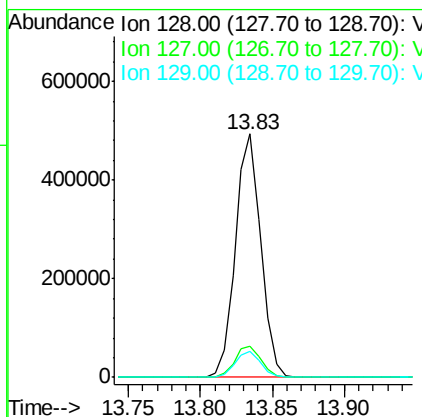
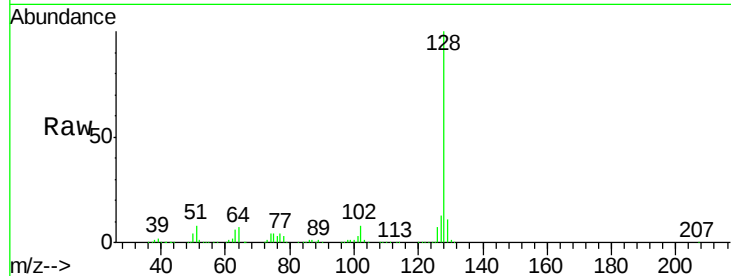
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	607532
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	16.0
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/16/2019 10:52:55 AM



#96

1,2,3-Trichlorobenzene

Concen: 45.671 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008953.D

Acq: 15 Apr 2019 11:09

Tgt Ion:	180	Resp:	184281
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.8	143.4
145	31.5	15.8	47.3

