

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030119\
 Data File : VX007780.D
 Acq On : 01 Mar 2019 10:30
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/4/2019 1:35:51 PM

Quant Time: Mar 01 13:37:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	370353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	517816	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	466957	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	247636	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	203971	44.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.92%	
35) Dibromofluoromethane	5.50	113	176181	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
50) Toluene-d8	8.71	98	669216	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	11.13	95	241379	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	164167	48.119	ug/l	99
3) Chloromethane	1.33	50	183219	48.463	ug/l	99
4) Vinyl Chloride	1.41	62	188103	48.496	ug/l	99
5) Bromomethane	1.64	94	105308	42.882	ug/l	99
6) Chloroethane	1.72	64	126528	51.059	ug/l	99
7) Trichlorofluoromethane	1.93	101	270966	45.570	ug/l	100
8) Diethyl Ether	2.19	74	112156	45.959	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.39	101	168579	46.907	ug/l	98
10) Methyl Iodide	2.51	142	240963	53.845	ug/l	99
11) Tert butyl alcohol	3.06	59	200495	230.346	ug/l	99
12) 1,1-Dichloroethene	2.37	96	153527	47.391	ug/l	94
13) Acrolein	2.29	56	175495	226.897	ug/l	100
14) Allyl chloride	2.73	41	314526	52.508	ug/l	94
15) Acrylonitrile	3.15	53	509910	248.938	ug/l	99
16) Acetone	2.45	43	534108	261.809	ug/l	99
17) Carbon Disulfide	2.57	76	424613	47.113	ug/l	99
18) Methyl Acetate	2.78	43	237855	53.431	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	545562	48.360	ug/l	99
20) Methylene Chloride	2.86	84	171426	45.507	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	163132	46.320	ug/l	94
22) Diisopropyl ether	3.87	45	598742	48.017	ug/l	97
23) Vinyl Acetate	3.82	43	2638937	241.216	ug/l	97
24) 1,1-Dichloroethane	3.70	63	317667	46.875	ug/l	97
25) 2-Butanone	4.70	43	804332	258.832	ug/l	95
26) 2,2-Dichloropropane	4.59	77	263504	48.711	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	201309	44.923	ug/l	92
28) Bromochloromethane	5.01	49	158479	48.036	ug/l	86
29) Tetrahydrofuran	5.15	42	501924	245.031	ug/l	93
30) Chloroform	5.21	83	328302	45.226	ug/l	100
31) Cyclohexane	5.57	56	317026	49.732	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	283746	47.263	ug/l	98
36) 1,1-Dichloropropene	5.80	75	253896	54.538	ug/l	97
37) Ethyl Acetate	4.85	43	290178	56.113	ug/l	99
38) Carbon Tetrachloride	5.78	117	251605	53.804	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030119\
 Data File : VX007780.D
 Acq On : 01 Mar 2019 10:30
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/4/2019 1:35:51 PM

Quant Time: Mar 01 13:37:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	330233	56.127	ug/l	94
40) Benzene	6.14	78	760855	52.945	ug/l	99
41) Methacrylonitrile	5.06	41	163729	59.292	ug/l	96
42) 1,2-Dichloroethane	6.20	62	256298	53.062	ug/l	100
43) Isopropyl Acetate	6.45	43	455372	57.215	ug/l	99
44) Trichloroethene	7.21	130	211441	53.485	ug/l	95
45) 1,2-Dichloropropane	7.51	63	203805	54.748	ug/l	99
46) Dibromomethane	7.66	93	127530	49.106	ug/l	98
47) Bromodichloromethane	7.90	83	245777	54.610	ug/l	99
48) Methyl methacrylate	7.77	41	241930	57.989	ug/l	91
49) 1,4-Dioxane	7.75	88	86880	964.184	ug/l	92
51) 4-Methyl-2-Pentanone	8.65	43	1465872	275.149	ug/l	100
52) Toluene	8.78	92	484056	53.416	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	283956	50.708	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	310505	56.853	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	193776	51.278	ug/l	98
56) Ethyl methacrylate	9.18	69	300622	55.941	ug/l	94
57) 1,3-Dichloropropane	9.37	76	324499	53.644	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	730789	246.603	ug/l	97
59) 2-Hexanone	9.49	43	1128488	269.804	ug/l	99
60) Dibromochloromethane	9.58	129	205712	56.574	ug/l	99
61) 1,2-Dibromoethane	9.67	107	204581	52.143	ug/l	99
64) Tetrachloroethene	9.34	164	217025	57.250	ug/l	99
65) Chlorobenzene	10.13	112	531965	52.673	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	196582	55.802	ug/l	99
67) Ethyl Benzene	10.25	91	912767	54.558	ug/l	100
68) m/p-Xylenes	10.36	106	707675	108.730	ug/l	97
69) o-Xylene	10.69	106	339736	54.267	ug/l	96
70) Styrene	10.71	104	565704	54.975	ug/l	100
71) Bromoform	10.85	173	161164	61.007	ug/l	99
73) Isopropylbenzene	11.02	105	926040	52.322	ug/l	100
74) N-amyl acetate	10.90	43	398777	51.884	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	280694	45.854	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	238157m	45.118	ug/l	
77) Bromobenzene	11.26	156	240695	54.220	ug/l	94
78) n-propylbenzene	11.36	91	1053153	52.658	ug/l	98
79) 2-Chlorotoluene	11.42	91	610031	50.657	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	763582	52.450	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	92221	47.009	ug/l	93
82) 4-Chlorotoluene	11.51	91	711577	50.511	ug/l	98
83) tert-Butylbenzene	11.77	119	754611	53.986	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	776890	52.169	ug/l	99
85) sec-Butylbenzene	11.94	105	932388	53.231	ug/l	99
86) p-Isopropyltoluene	12.06	119	843522	54.989	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	435458	52.883	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	435457	51.636	ug/l	100
89) n-Butylbenzene	12.38	91	732322	53.531	ug/l	99
90) Hexachloroethane	12.60	117	137176	53.073	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	426550	51.772	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	61857	46.377	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030119\
Data File : VX007780.D
Acq On : 01 Mar 2019 10:30
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

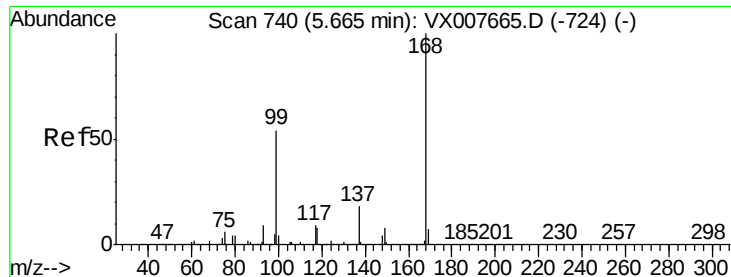
Manual Integrations
APPROVED

MMDadoda
3/4/2019 1:35:51 PM

Quant Time: Mar 01 13:37:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 26 01:53:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	313607	62.357	ug/l	100
94) Hexachlorobutadiene	13.78	225	166640	72.430	ug/l	99
95) Naphthalene	13.83	128	889478	54.590	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	310234	61.435	ug/l	100

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



#1

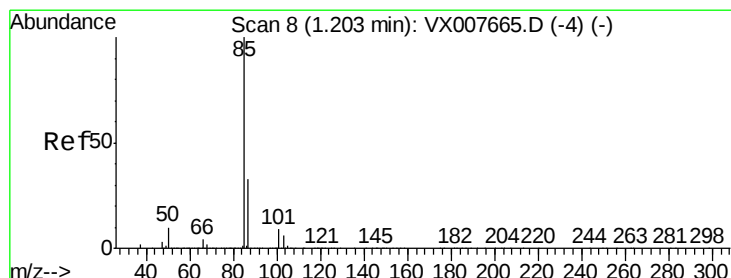
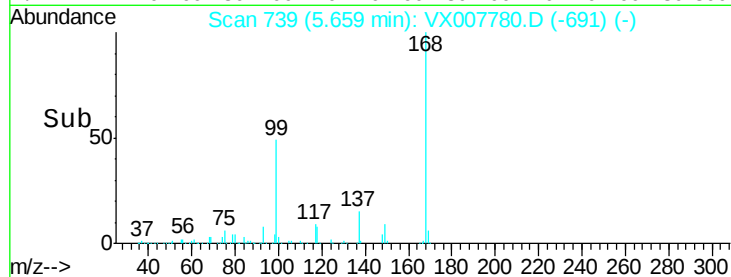
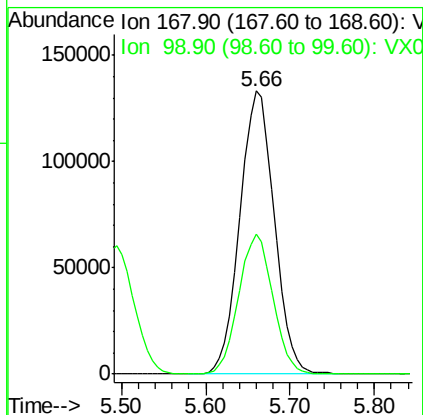
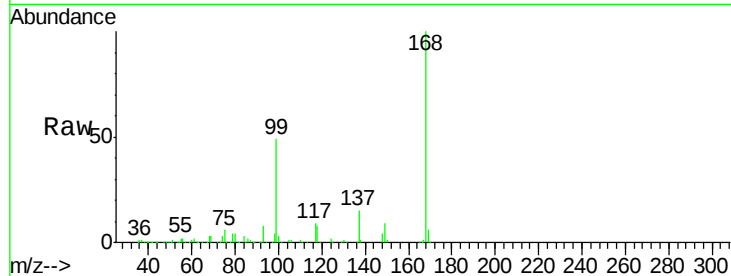
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.01 min
 Lab File: VX007780.D
 Acq: 01 Mar 2019 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	49.2	37.9	56.9

Manual Integrations
 APPROVED

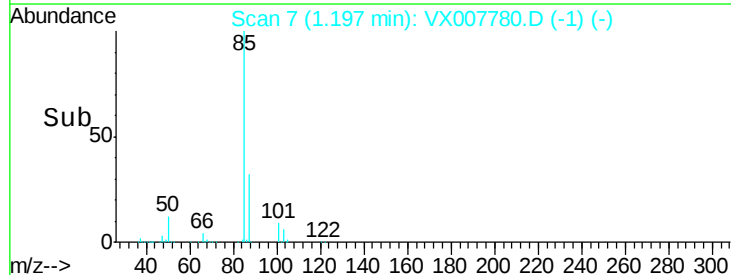
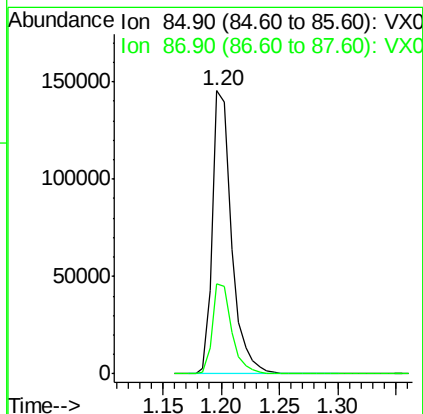
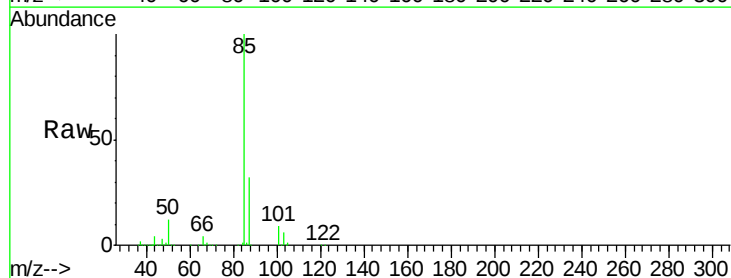
MMDadoda
 3/4/2019 1:35:51 PM

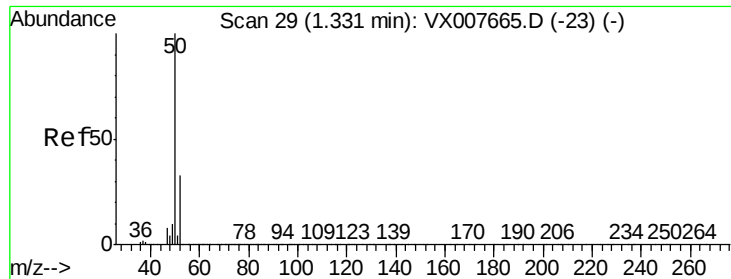


#2

Dichlorodifluoromethane
 Concen: 48.119 ug/l
 RT: 1.20 min Scan# 7
 Delta R.T. -0.01 min
 Lab File: VX007780.D
 Acq: 01 Mar 2019 10:30

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.9	15.8	47.4





#3

Chloromethane

Concen: 48.463 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007780.D

Acq: 01 Mar 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 183219

Ion Ratio Lower Upper

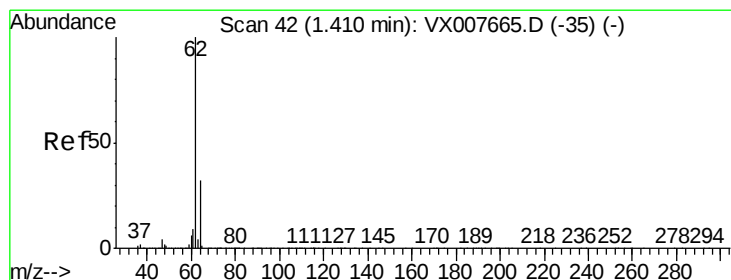
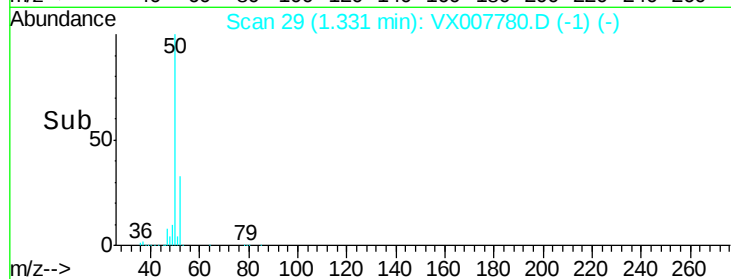
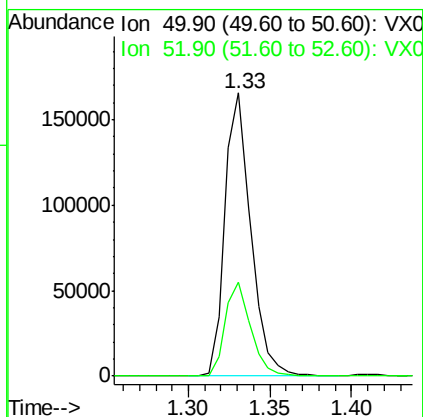
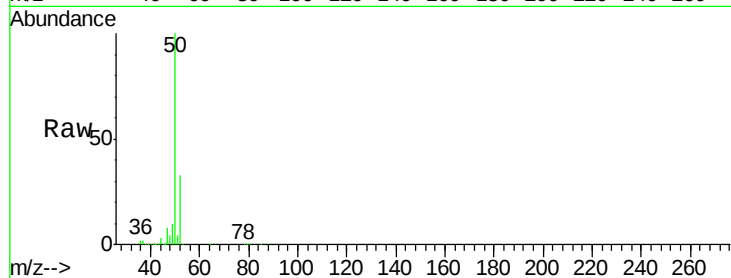
50 100

52 33.0 26.1 39.1

Manual Integrations
APPROVED

MMDadoda

3/4/2019 1:35:51 PM



#4

Vinyl Chloride

Concen: 48.496 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007780.D

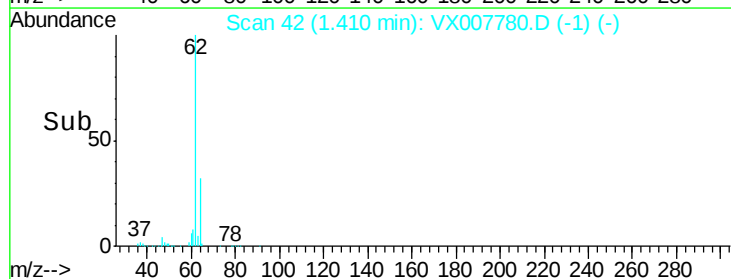
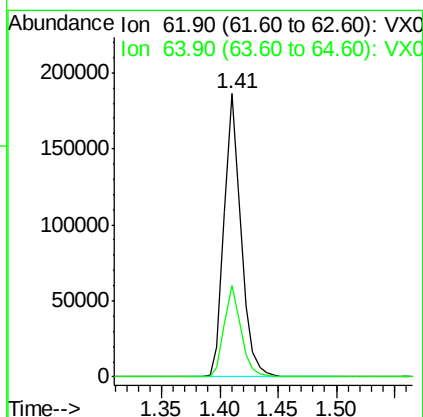
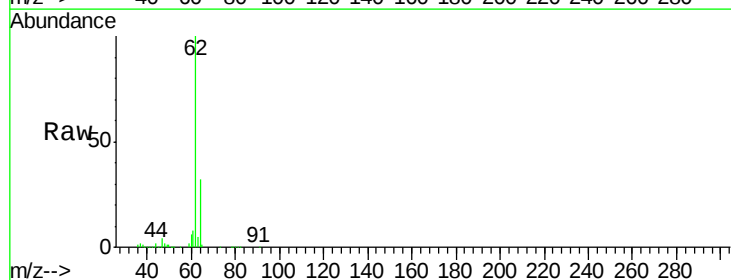
Acq: 01 Mar 2019 10:30

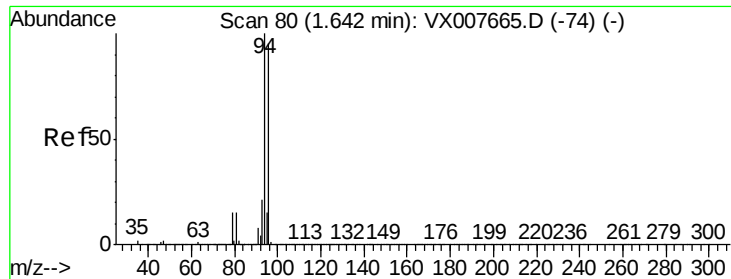
Tgt Ion: 62 Resp: 188103

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.0





#5

Bromomethane

Concen: 42.882 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007780.D

Acq: 01 Mar 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 105308

Ion Ratio Lower Upper

94 100

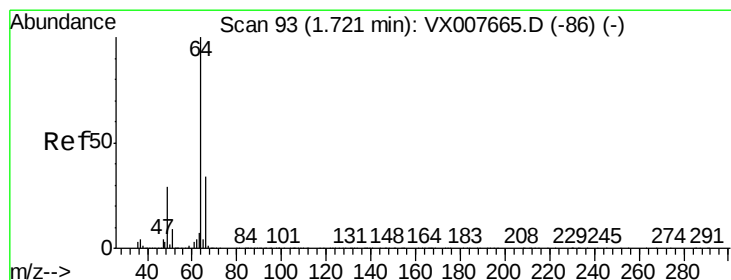
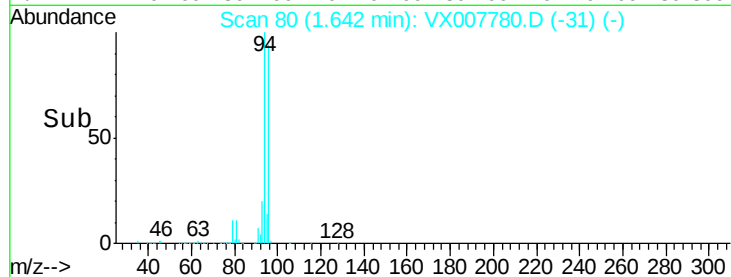
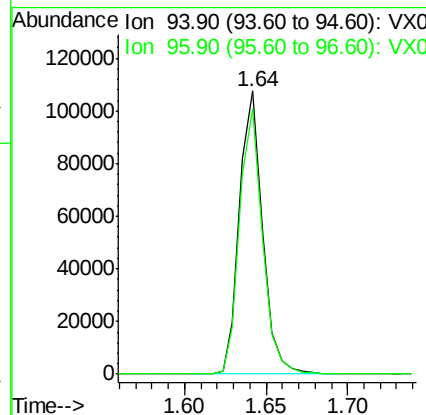
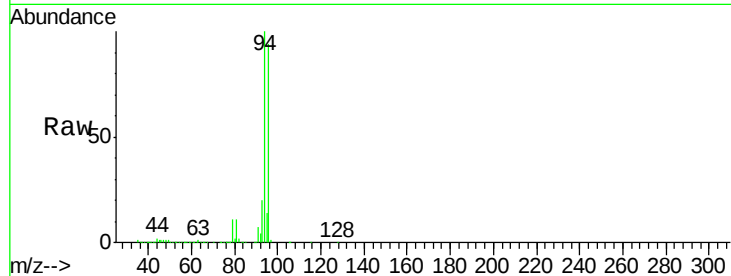
96 93.7 73.9 110.9

Manual Integrations

APPROVED

MMDadoda

3/4/2019 1:35:51 PM



#6

Chloroethane

Concen: 51.059 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX007780.D

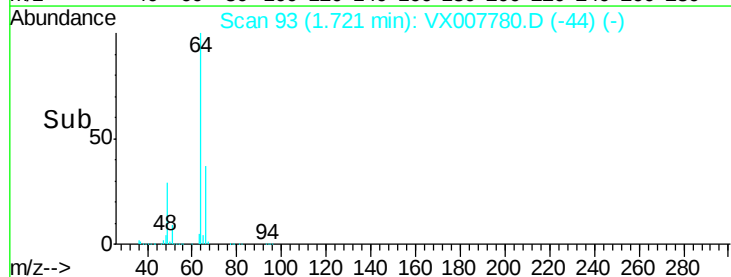
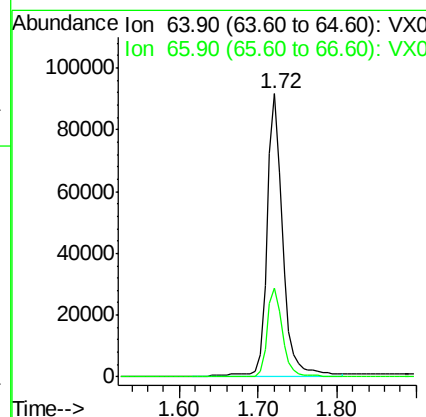
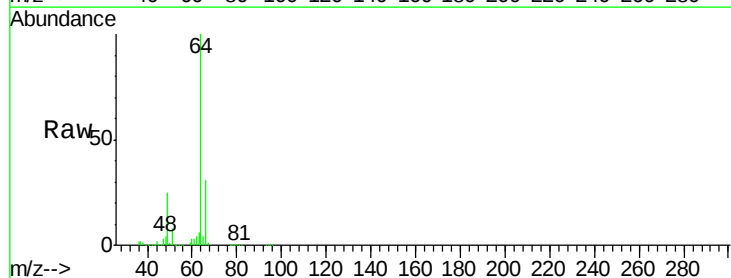
Acq: 01 Mar 2019 10:30

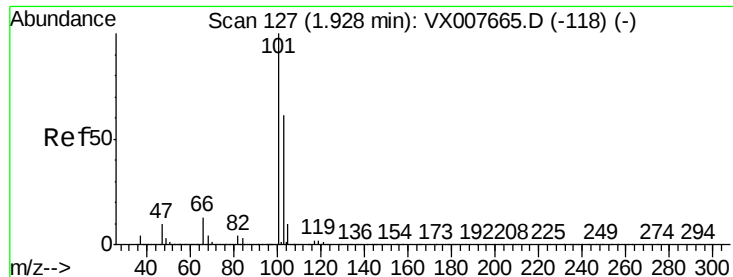
Tgt Ion: 64 Resp: 126528

Ion Ratio Lower Upper

64 100

66 31.2 25.5 38.3





#7

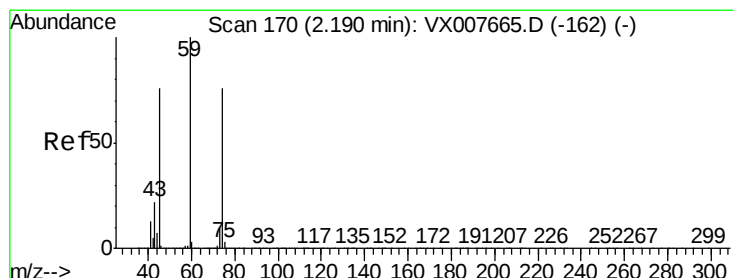
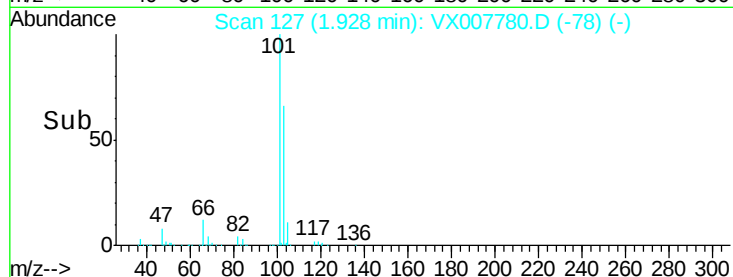
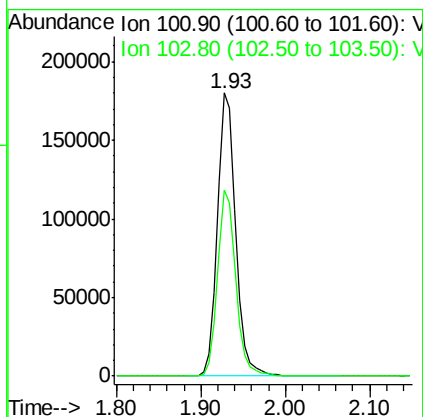
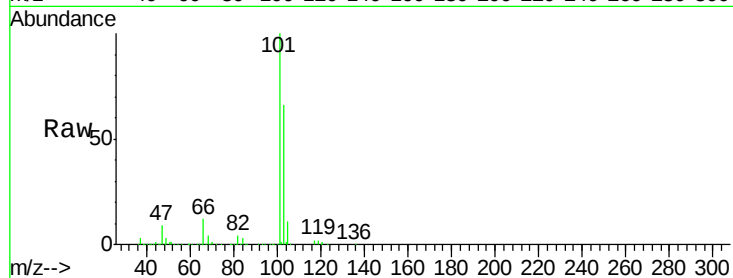
Trichlorofluoromethane
Concen: 45.570 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	52.6	79.0

Manual Integrations
APPROVED

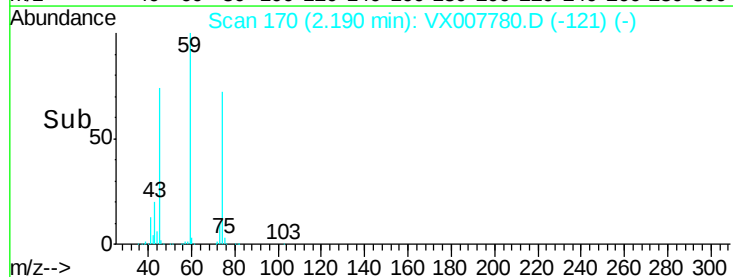
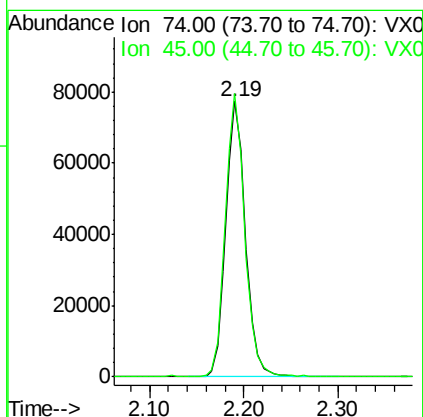
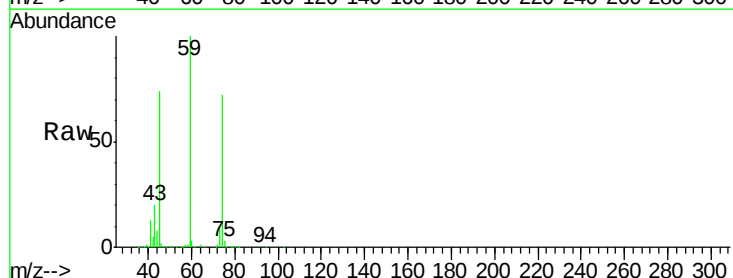
MMDadoda
3/4/2019 1:35:51 PM

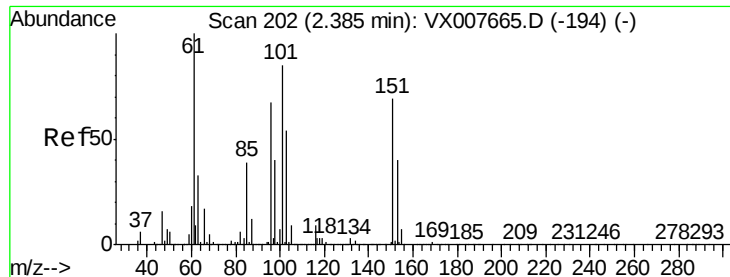


#8

Diethyl Ether
Concen: 45.959 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.4	45.7	137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.907 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007780.D

Acq: 01 Mar 2019 10:30

Instrument :

MSVOA_X

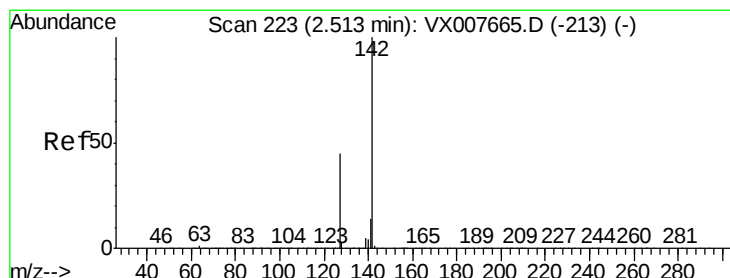
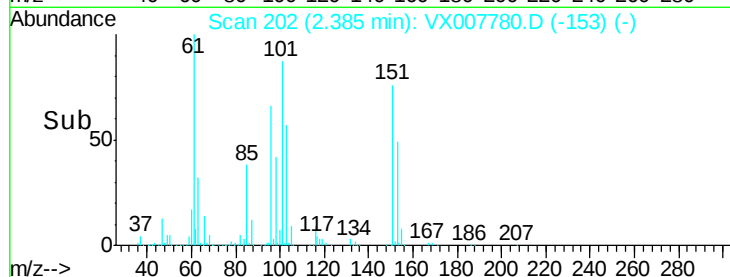
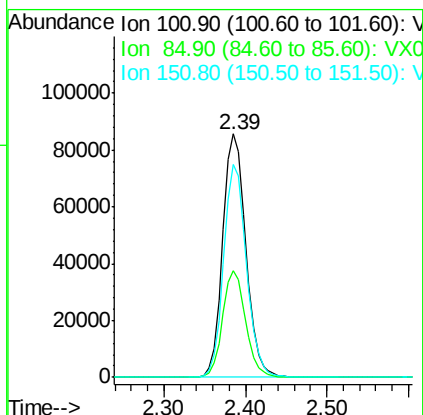
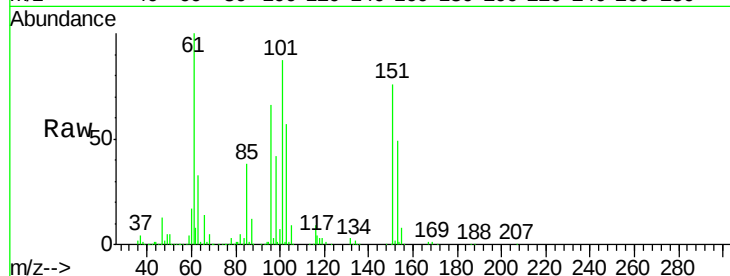
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	168579
Ion Ratio	Lower	Upper	
101	100		
85	43.4	34.1	51.1
151	85.6	69.9	104.9

Manual Integrations
APPROVED

MMDadoda
3/4/2019 1:35:51 PM



#10

Methyl Iodide

Concen: 53.845 ug/l

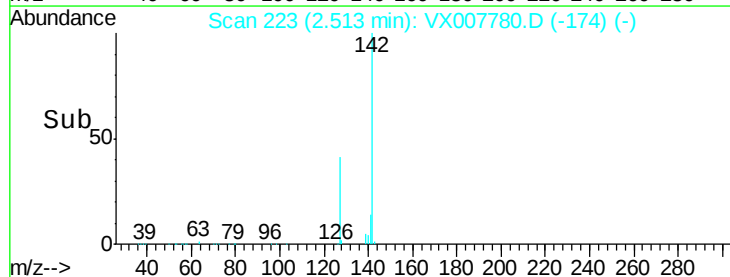
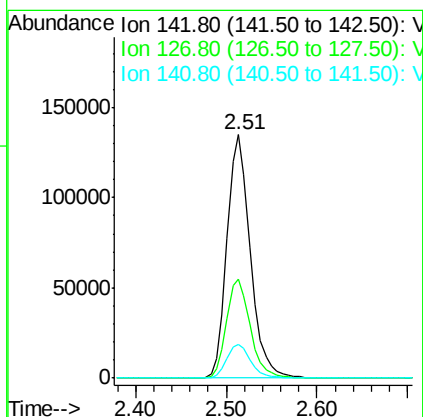
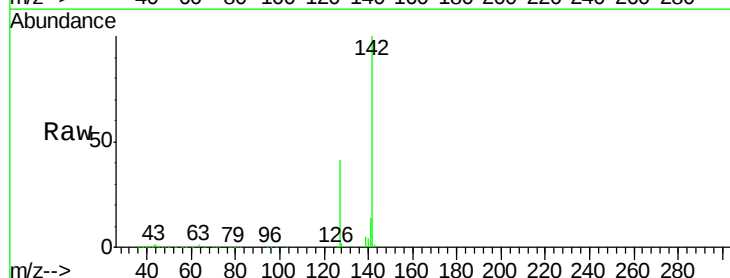
RT: 2.51 min Scan# 223

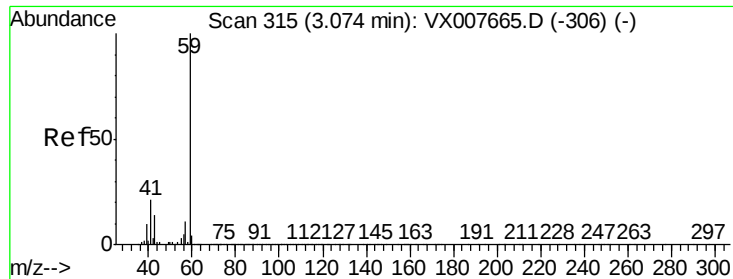
Delta R.T. 0.00 min

Lab File: VX007780.D

Acq: 01 Mar 2019 10:30

Tgt Ion:	142	Resp:	240963
Ion Ratio	Lower	Upper	
142	100		
127	41.7	33.7	50.5
141	14.2	11.3	16.9





#11

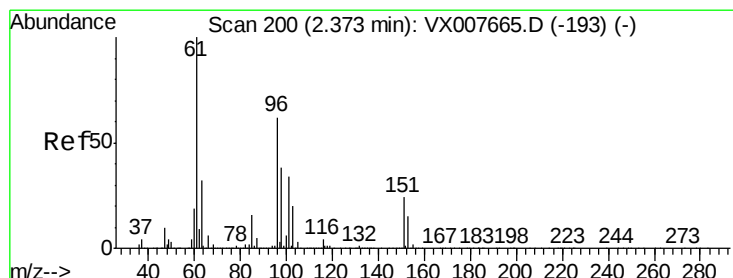
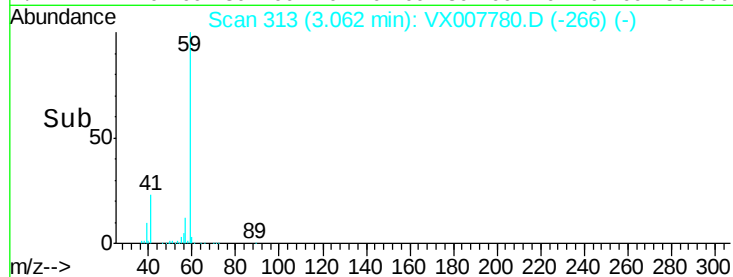
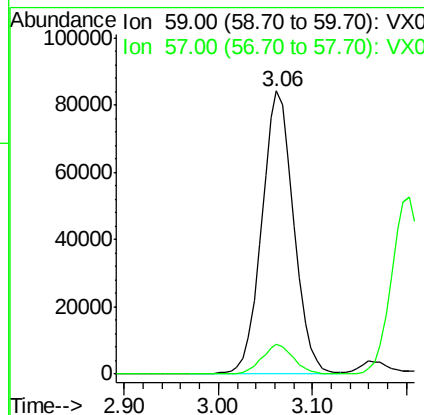
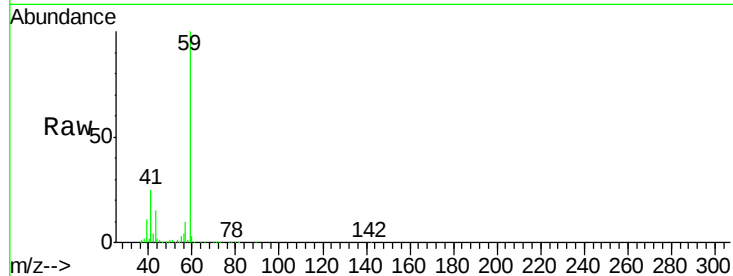
Tert butyl alcohol
Concen: 230.346 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	200495		
57	10.3		8.1	12.1

Manual Integrations
APPROVED

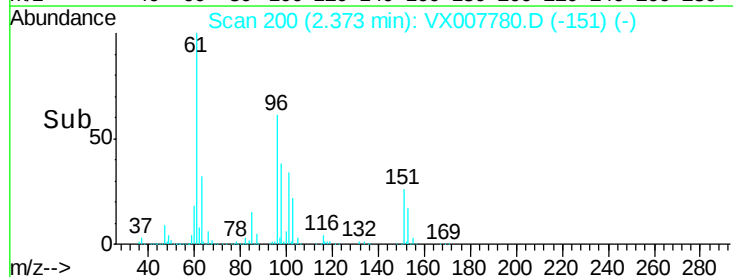
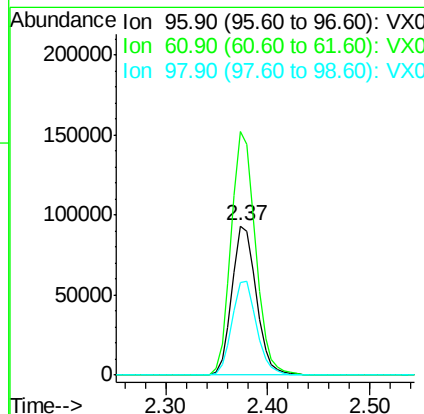
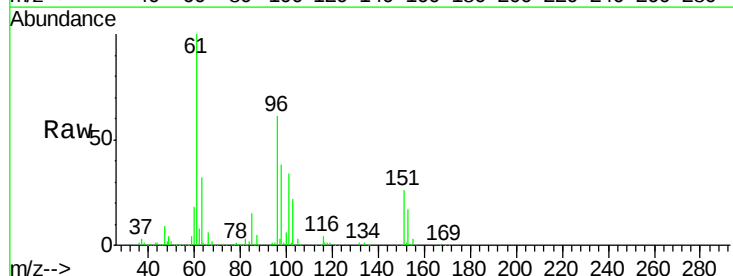
MMDadoda
3/4/2019 1:35:51 PM

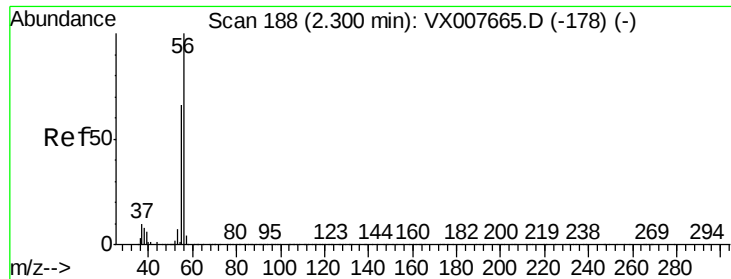


#12

1,1-Dichloroethene
Concen: 47.391 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	153527		
61	163.0		123.0	184.4
98	62.4		50.9	76.3





#13

Acrolein

Concen: 226.897 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007780.D

Acq: 01 Mar 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 175495

Ion Ratio Lower Upper

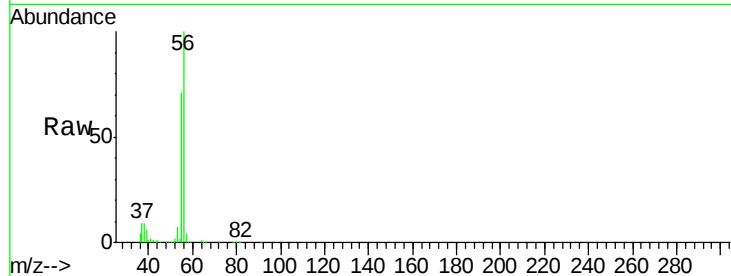
56 100

55 71.1 56.9 85.3

Manual Integrations
APPROVED

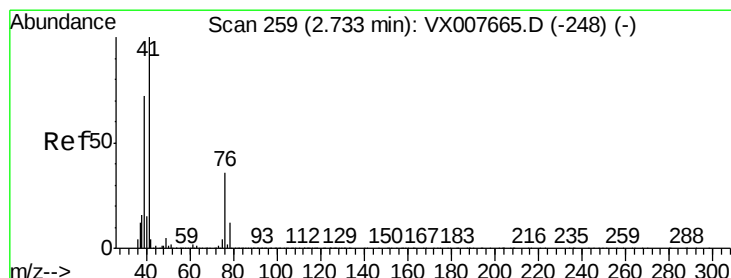
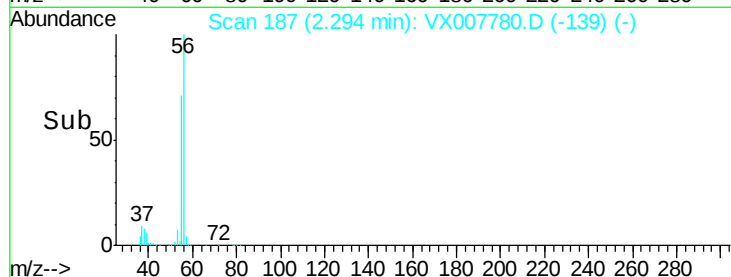
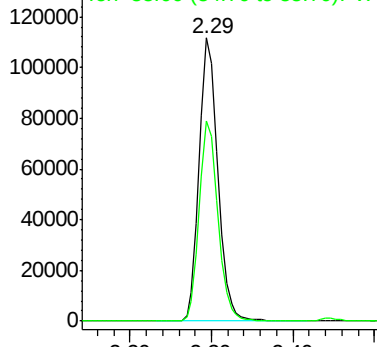
MMDadoda

3/4/2019 1:35:51 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 52.508 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX007780.D

Acq: 01 Mar 2019 10:30

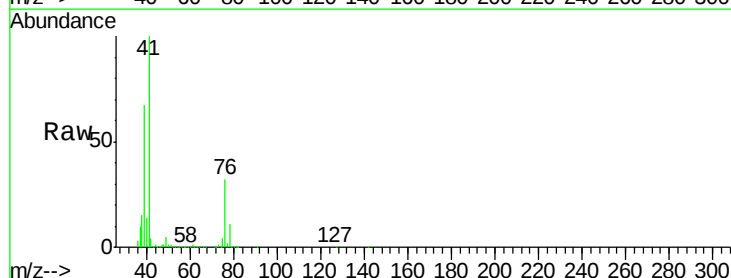
Tgt Ion: 41 Resp: 314526

Ion Ratio Lower Upper

41 100

39 62.8 54.1 81.1

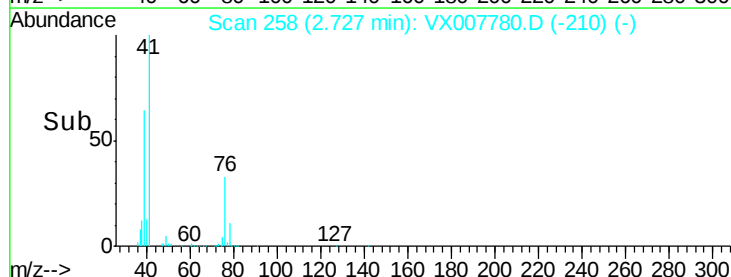
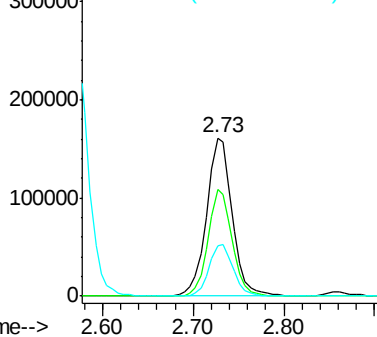
76 30.5 27.8 41.8

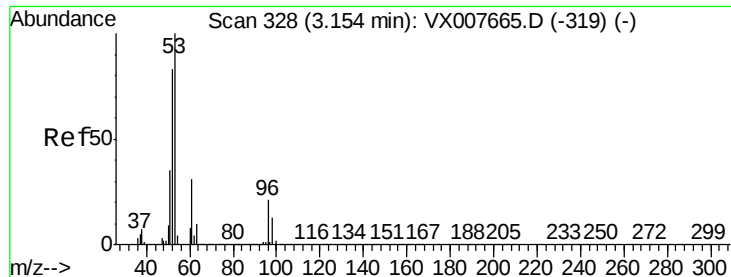


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 248.938 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007780.D

Acq: 01 Mar 2019 10:30

Instrument :

MSVOA_X

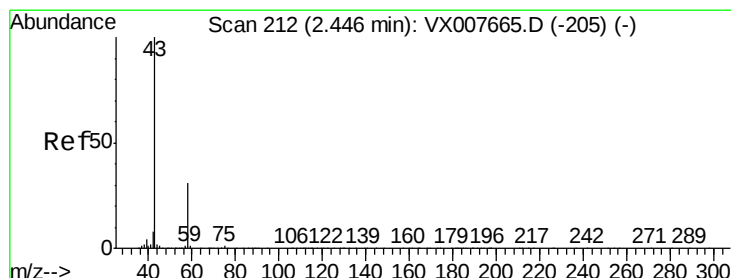
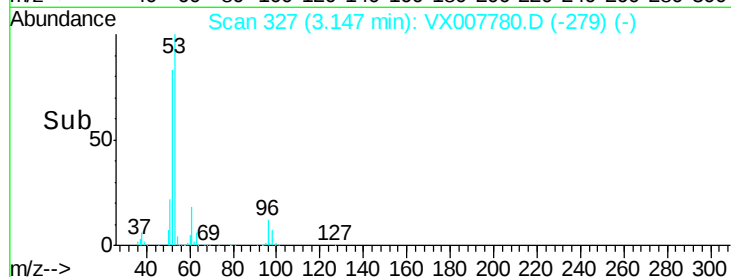
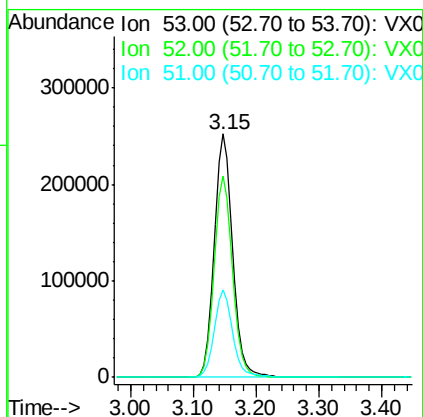
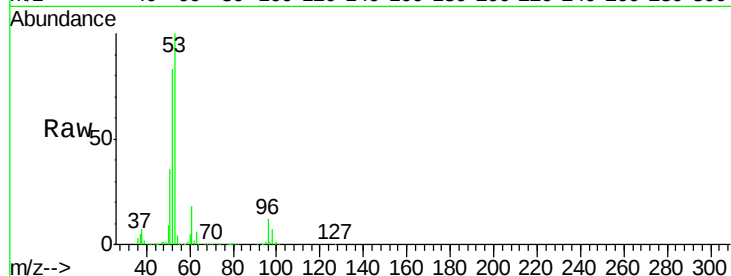
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	509910
Ion Ratio		Lower	Upper
53	100		
52	82.3	66.4	99.6
51	35.8	28.4	42.6

Manual Integrations
APPROVED

MMDadoda
3/4/2019 1:35:51 PM



#16

Acetone

Concen: 261.809 ug/l

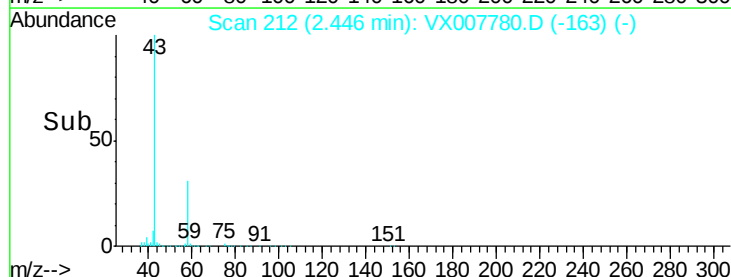
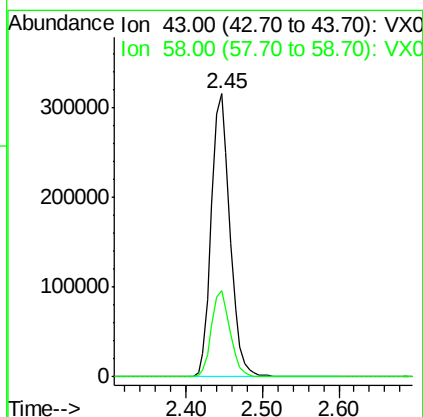
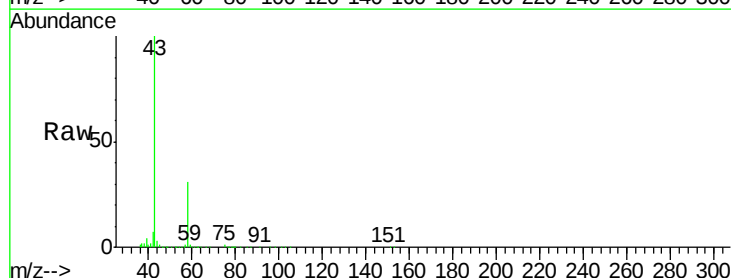
RT: 2.45 min Scan# 212

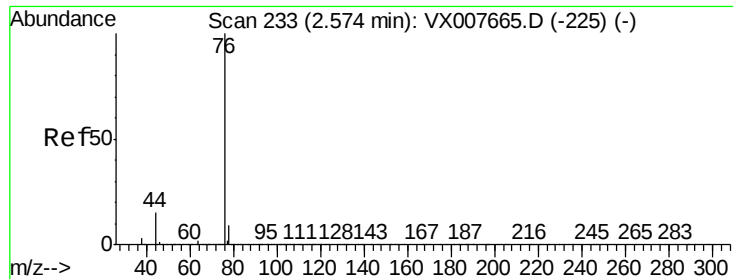
Delta R.T. 0.00 min

Lab File: VX007780.D

Acq: 01 Mar 2019 10:30

Tgt Ion:	43	Resp:	534108
Ion Ratio		Lower	Upper
43	100		
58	30.5	24.9	37.3





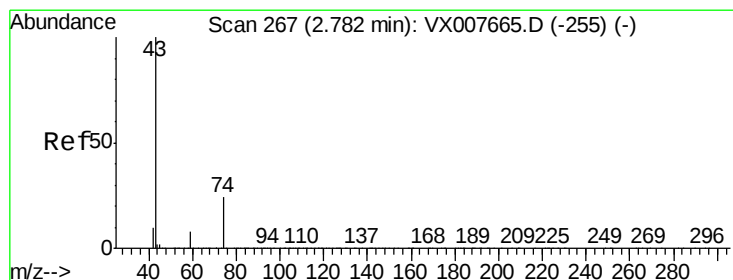
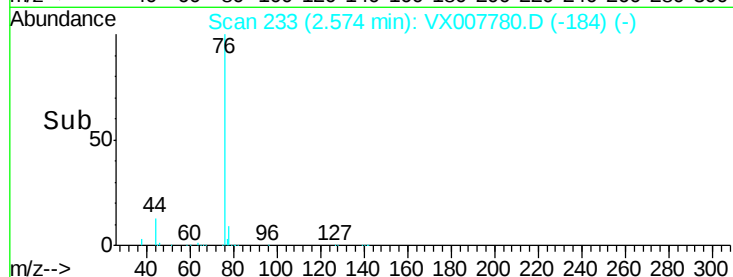
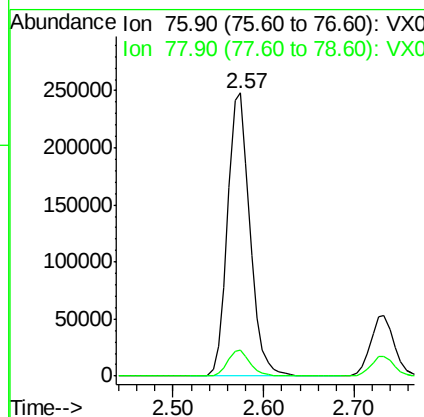
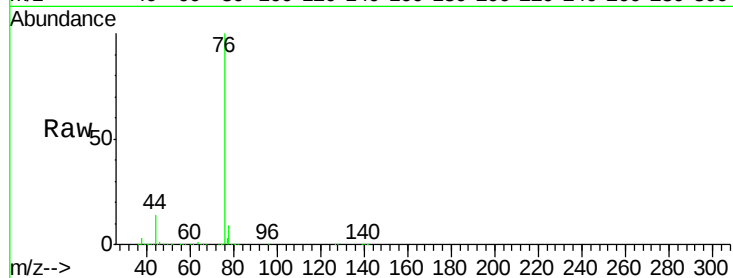
#17
Carbon Disulfide
Concen: 47.113 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.00 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

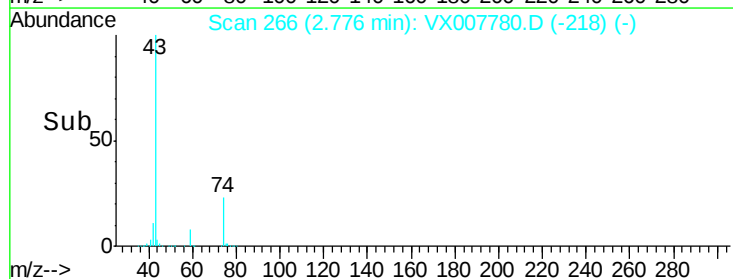
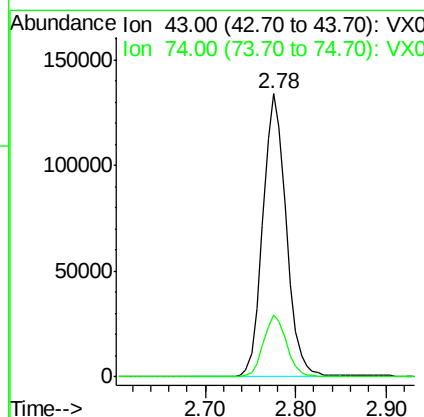
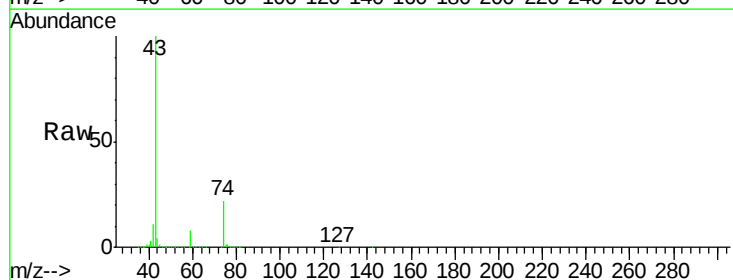
Manual Integrations
APPROVED

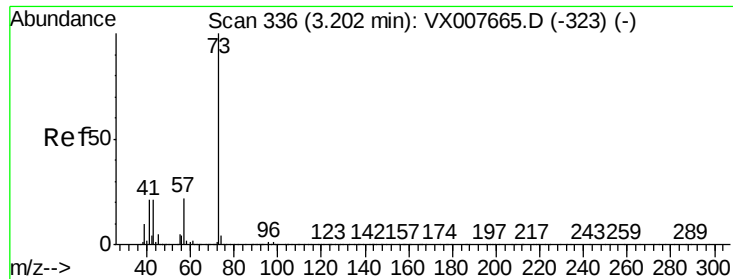
MMDadoda
3/4/2019 1:35:51 PM



#18
Methyl Acetate
Concen: 53.431 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	19.4	29.2





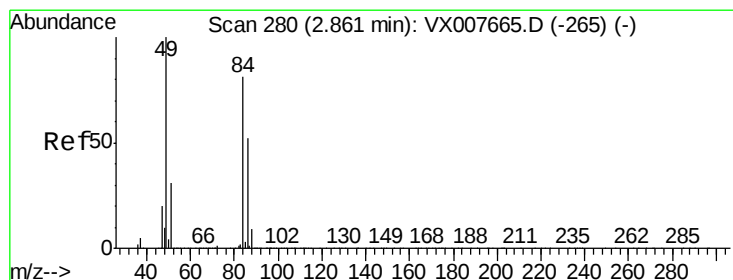
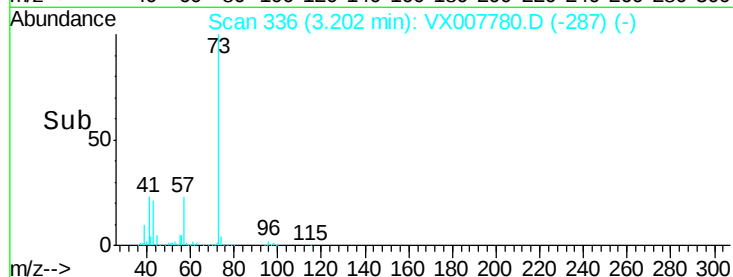
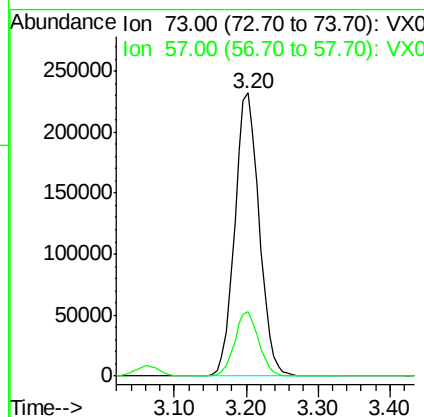
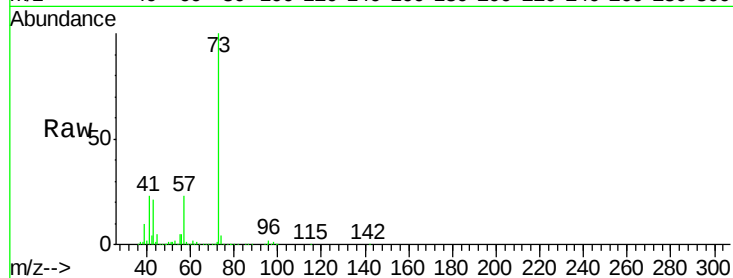
#19
Methvl tert-butvl Ether
Concen: 48.360 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 545562
Ion Ratio Lower Upper
73 100
57 22.7 17.8 26.8

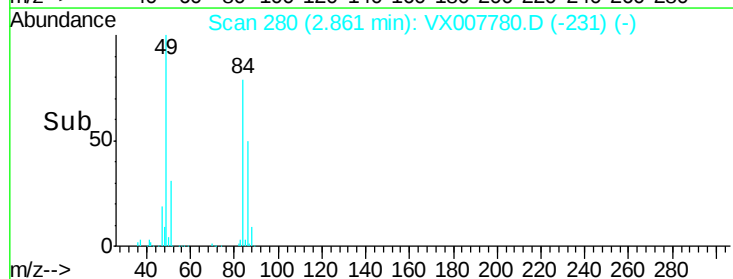
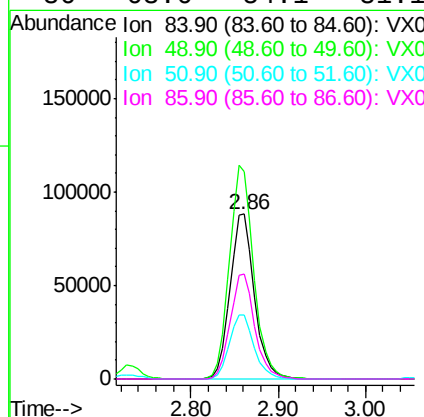
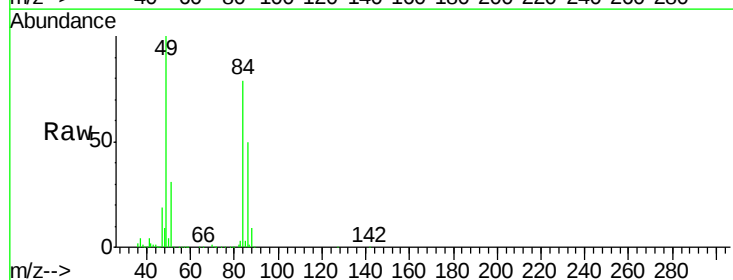
Manual Integrations
APPROVED

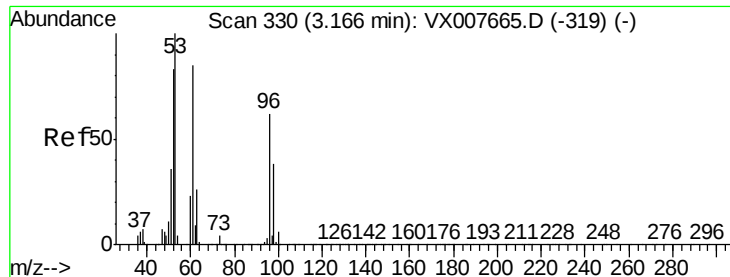
MMDadoda
3/4/2019 1:35:51 PM



#20
Methylene Chloride
Concen: 45.507 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Tgt Ion: 84 Resp: 171426
Ion Ratio Lower Upper
84 100
49 125.8 94.8 142.2
51 39.1 29.8 44.8
86 63.6 54.1 81.1





#21

trans-1,2-Dichloroethene

Concen: 46.320 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007780.D

Acq: 01 Mar 2019 10:30

Instrument :

MSVOA_X

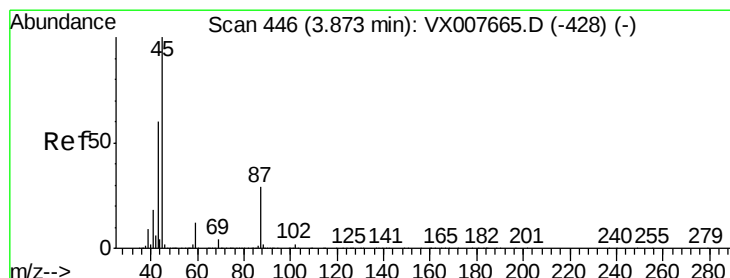
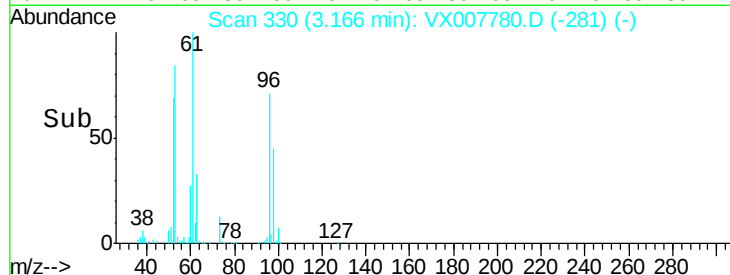
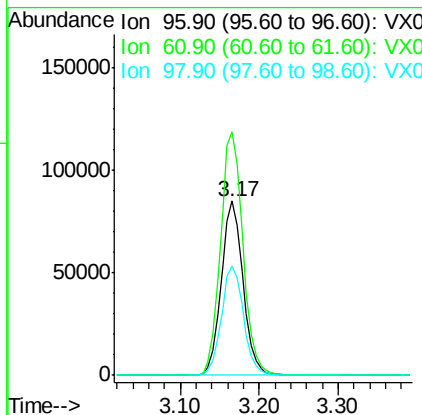
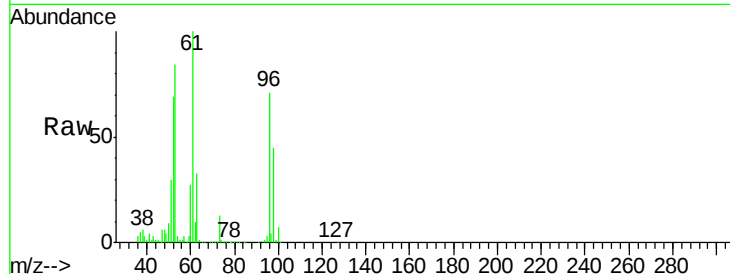
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	163132
Ion Ratio	Lower	Upper	
96	100		
61	140.0	104.6	156.8
98	62.7	51.0	76.4

Manual Integrations
APPROVED

MMDadoda
3/4/2019 1:35:51 PM



#22

Diisopropyl ether

Concen: 48.017 ug/l

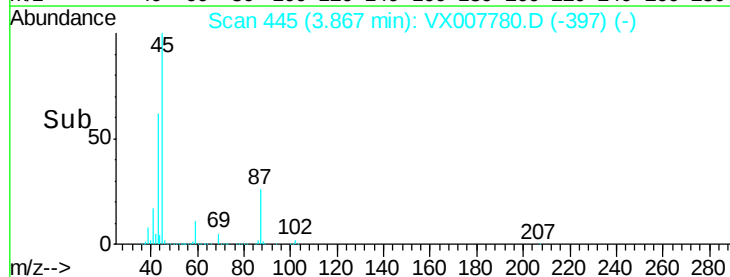
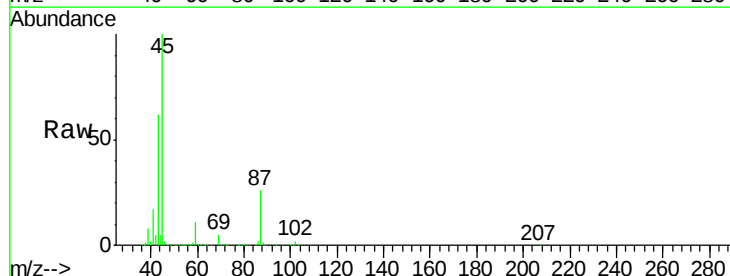
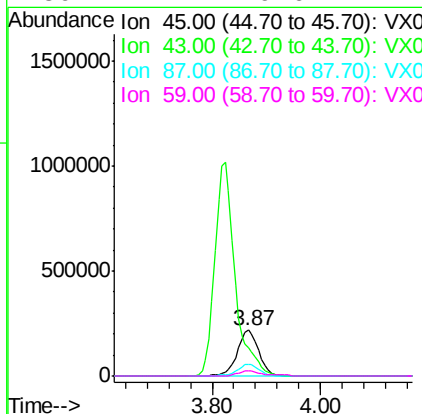
RT: 3.87 min Scan# 445

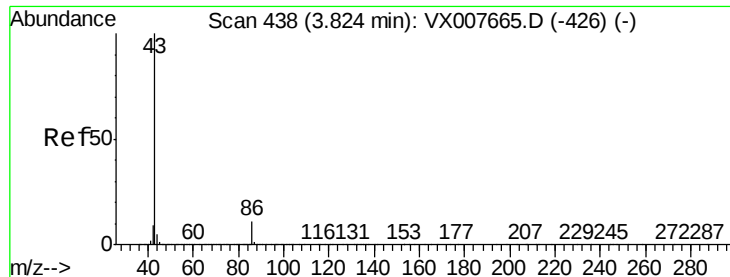
Delta R.T. -0.01 min

Lab File: VX007780.D

Acq: 01 Mar 2019 10:30

Tgt Ion:	45	Resp:	598742
Ion Ratio	Lower	Upper	
45	100		
43	61.8	48.9	73.3
87	26.2	23.9	35.9
59	11.1	9.6	14.4





#23

Vinyl Acetate

Concen: 241.216 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007780.D

Acq: 01 Mar 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2638937

Ion Ratio Lower Upper

43 100

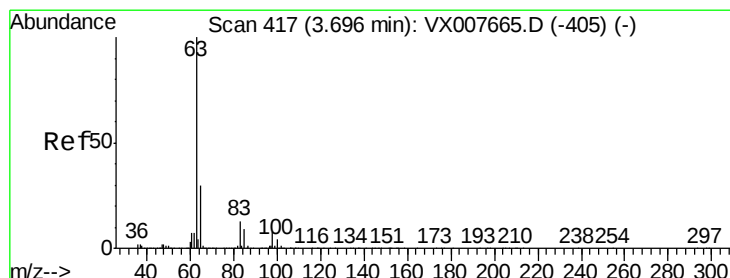
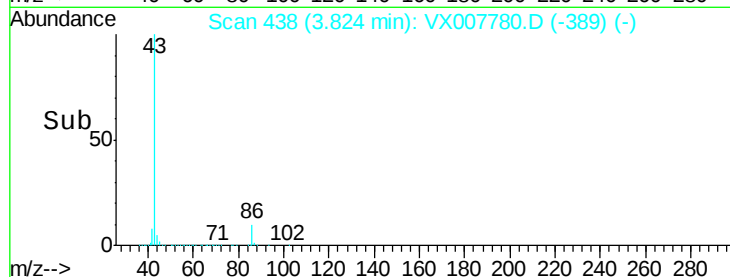
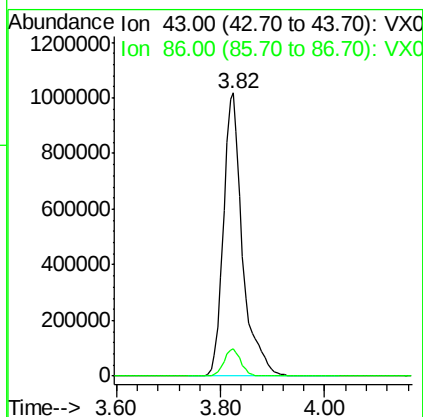
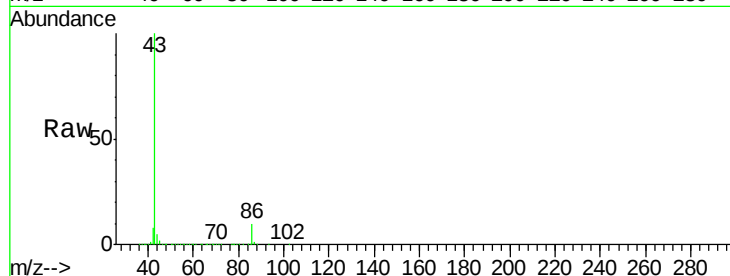
86 9.8 8.7 13.1

Manual Integrations

APPROVED

MMDadoda

3/4/2019 1:35:51 PM



#24

1,1-Dichloroethane

Concen: 46.875 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007780.D

Acq: 01 Mar 2019 10:30

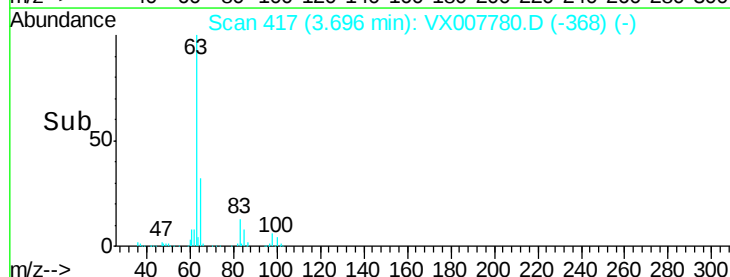
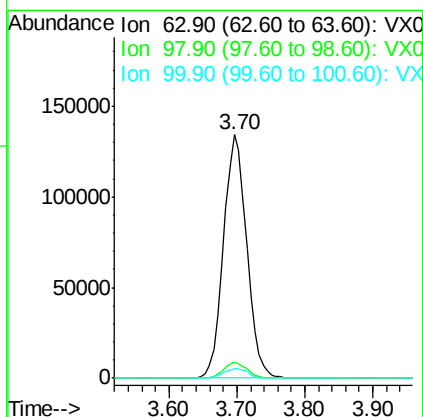
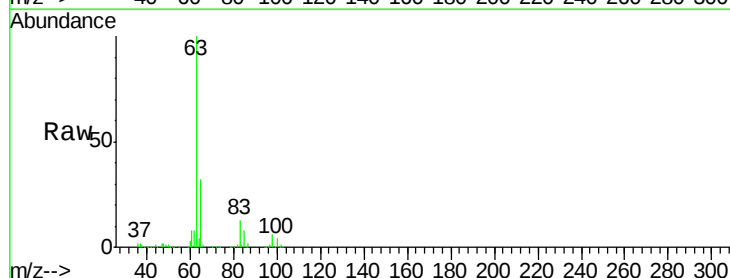
Tgt Ion: 63 Resp: 317667

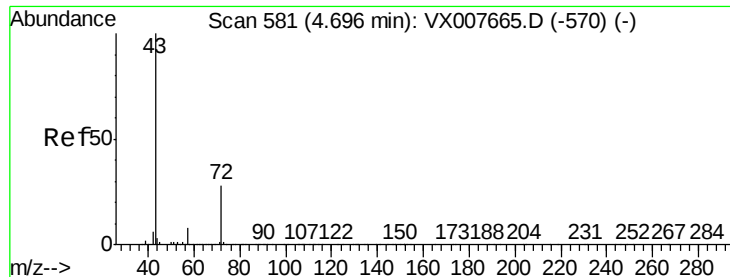
Ion Ratio Lower Upper

63 100

98 6.3 3.6 10.8

100 3.7 2.5 7.4





#25

2-Butanone

Concen: 258.832 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.00 min

Lab File: VX007780.D

Acq: 01 Mar 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 804332

Ion Ratio Lower Upper

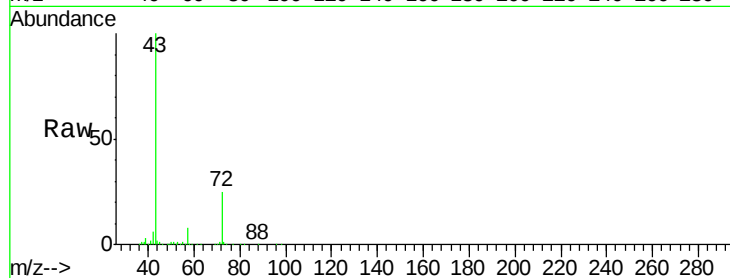
43 100

72 25.0 22.2 33.2

Manual Integrations
APPROVED

MMDadoda

3/4/2019 1:35:51 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

300000

250000

200000

150000

100000

50000

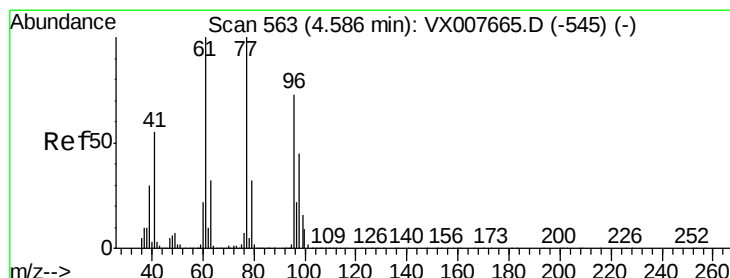
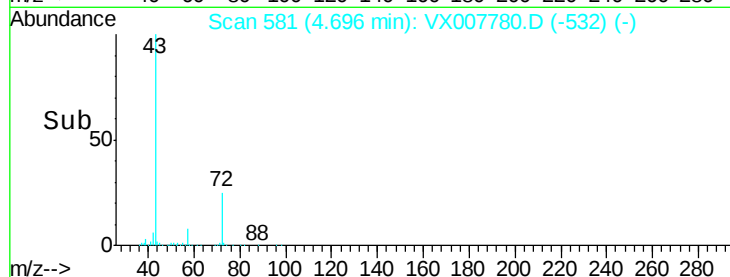
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 48.711 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX007780.D

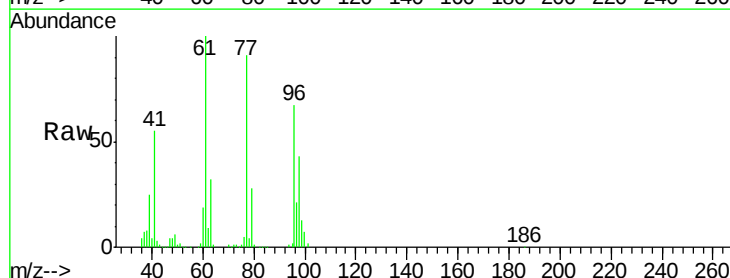
Acq: 01 Mar 2019 10:30

Tgt Ion: 77 Resp: 263504

Ion Ratio Lower Upper

77 100

97 23.9 12.1 36.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

100000

80000

60000

40000

20000

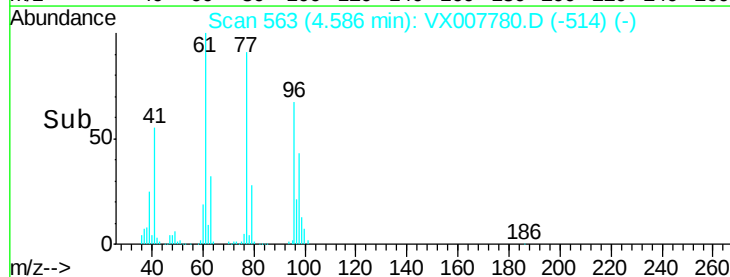
0

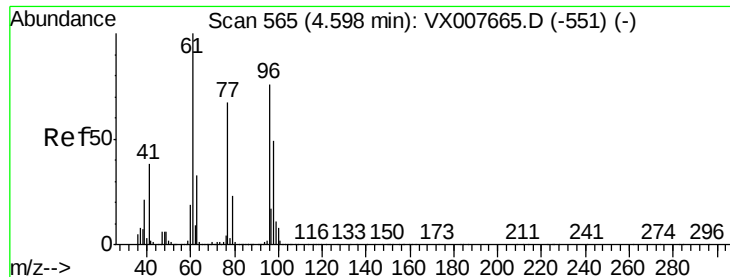
4.50

4.60

4.70

Time-->





#27

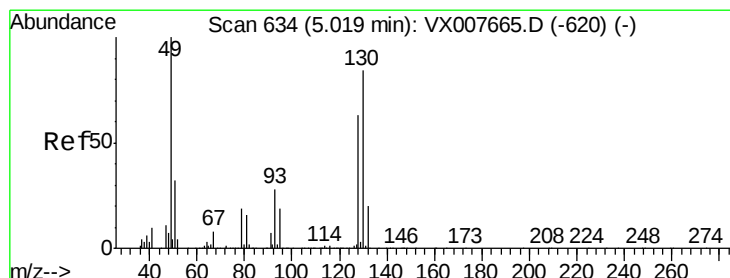
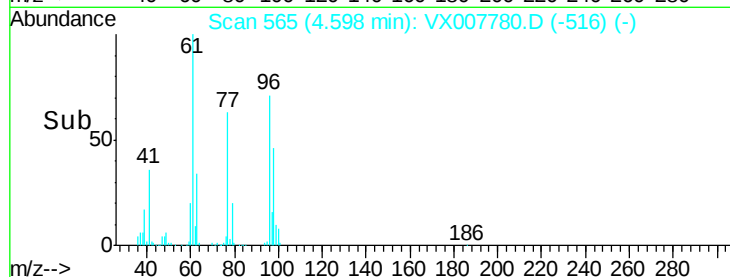
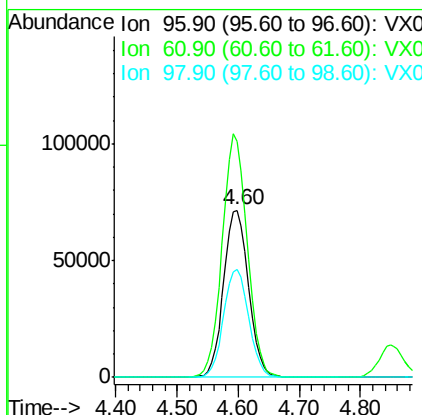
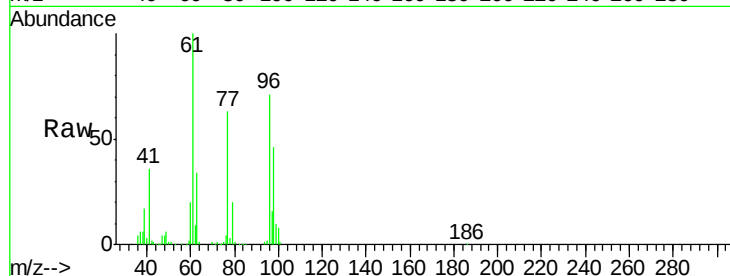
cis-1,2-Dichloroethene
 Concen: 44.923 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX007780.D
 Acq: 01 Mar 2019 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.4	0.0	265.6
98	65.1	0.0	131.6

Manual Integrations
 APPROVED

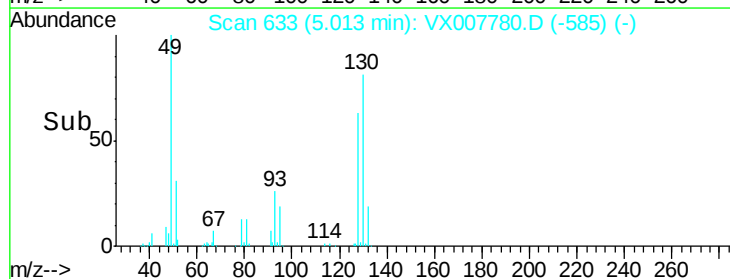
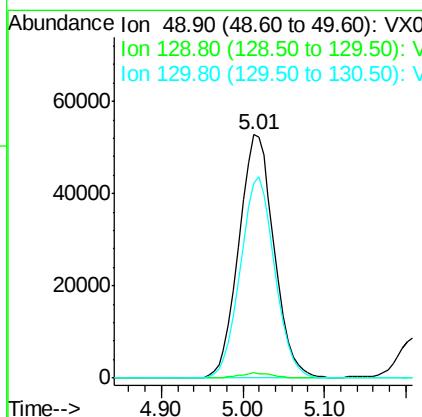
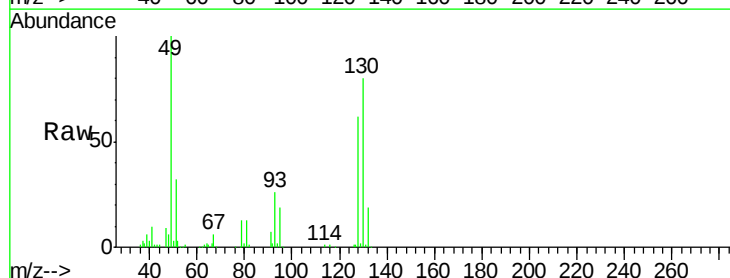
MMDadoda
 3/4/2019 1:35:51 PM

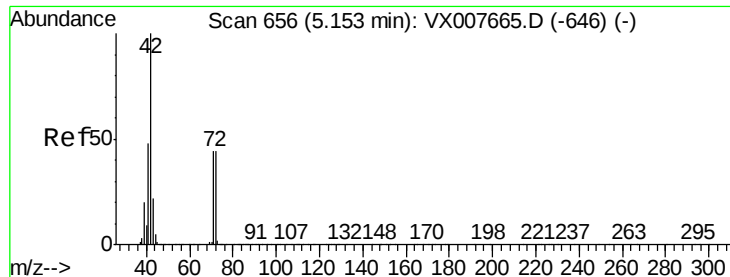


#28

Bromochloromethane
 Concen: 48.036 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX007780.D
 Acq: 01 Mar 2019 10:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	5.6
130	80.7	75.6	113.4





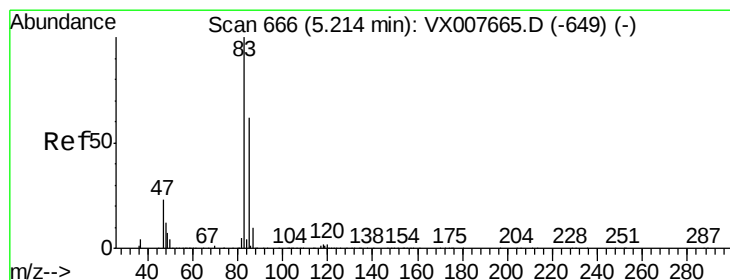
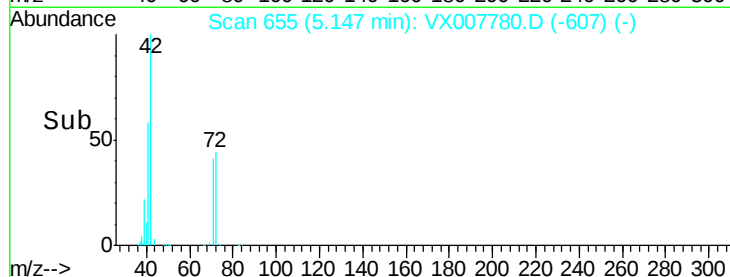
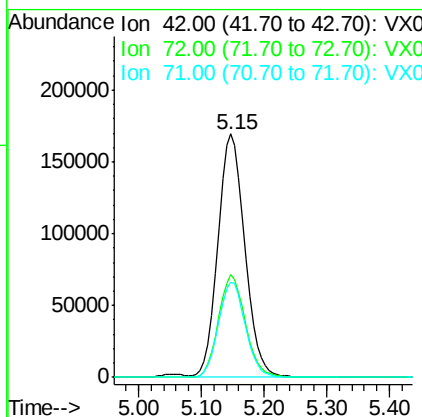
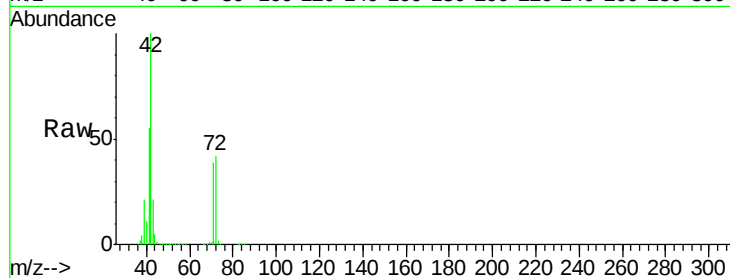
#29
Tetrahydrofuran
Concen: 245.031 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	37.6	56.4
71	39.4	34.6	51.8

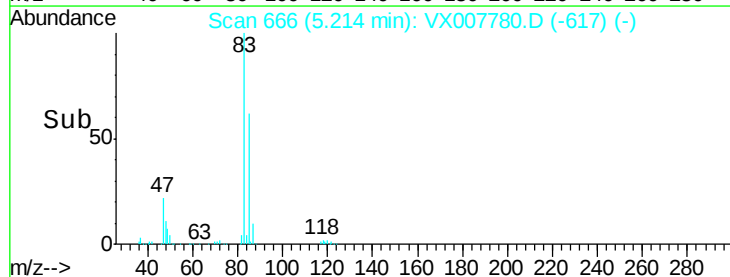
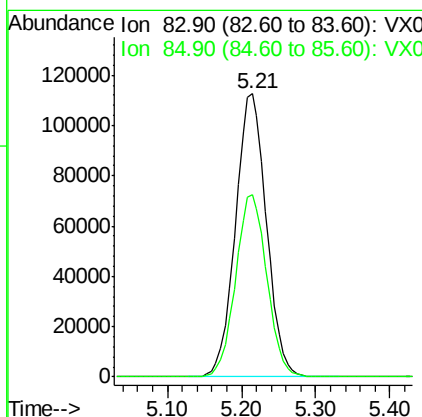
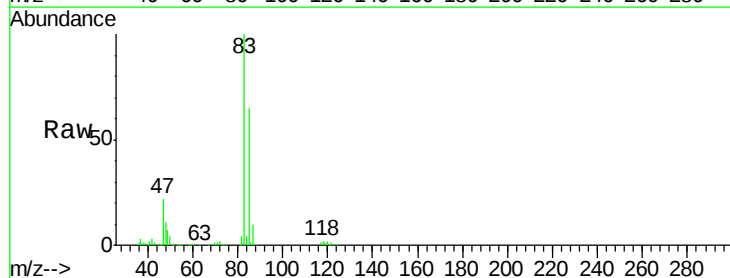
Manual Integrations
APPROVED

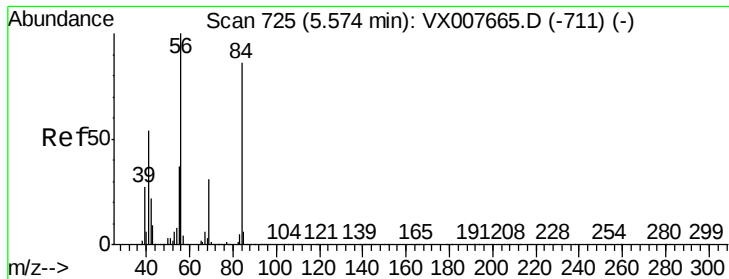
MMDadoda
3/4/2019 1:35:51 PM



#30
Chloroform
Concen: 45.226 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.6	77.4





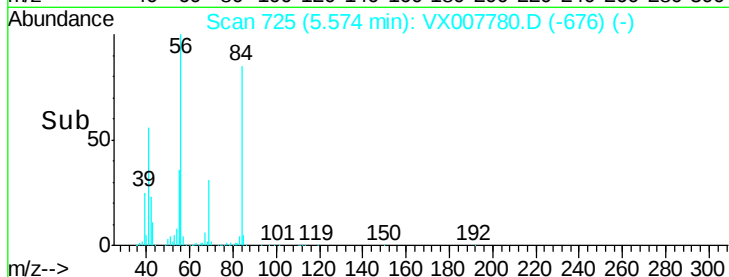
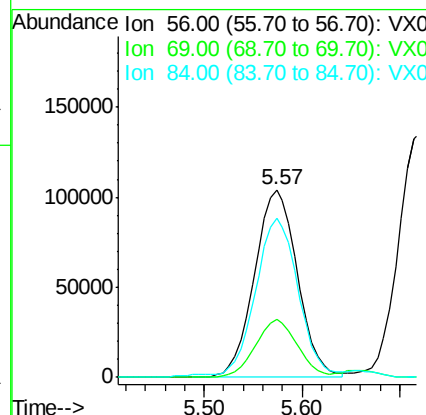
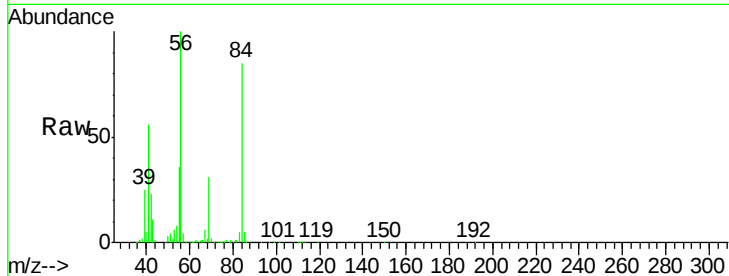
#31
Cyclohexane
Concen: 49.732 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.2	23.0	34.6
84	83.4	69.8	104.6

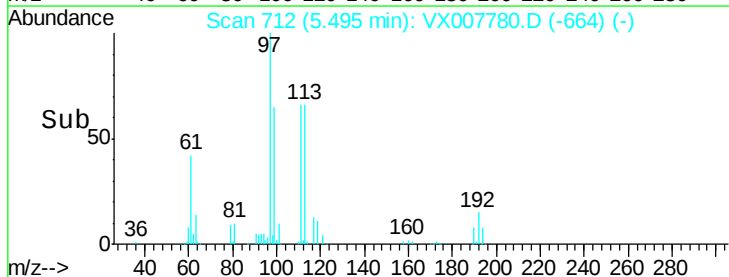
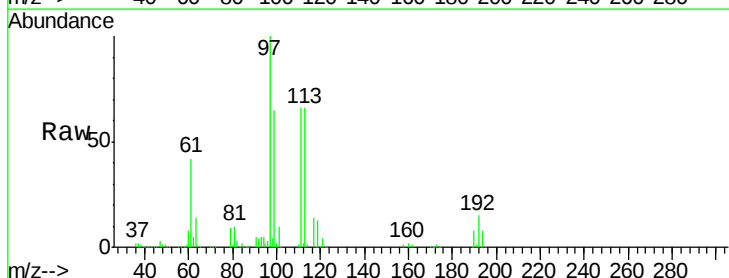
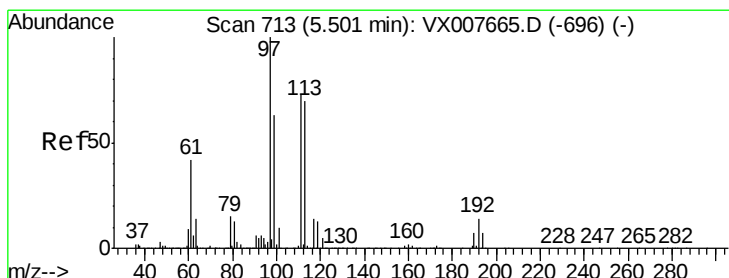
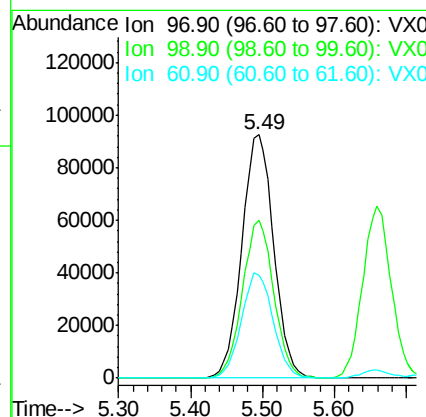
Manual Integrations
APPROVED

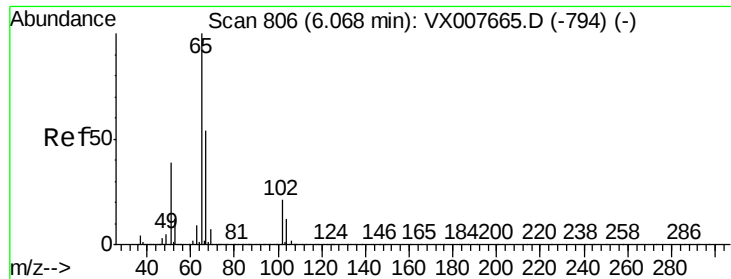
MMDadoda
3/4/2019 1:35:51 PM



#32
1,1,1-Trichloroethane
Concen: 47.263 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	52.2	78.2
61	43.3	32.7	49.1





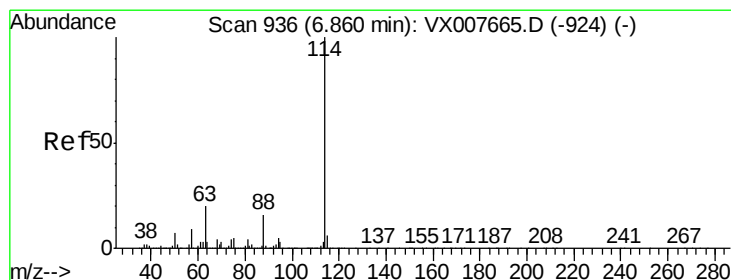
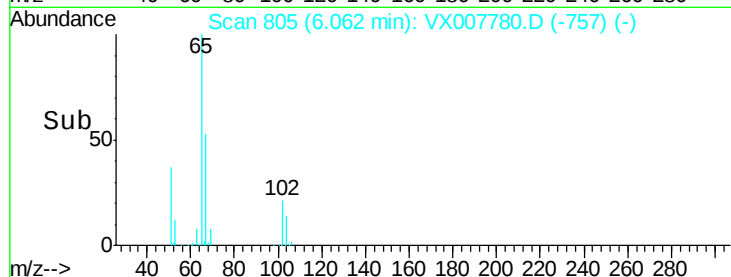
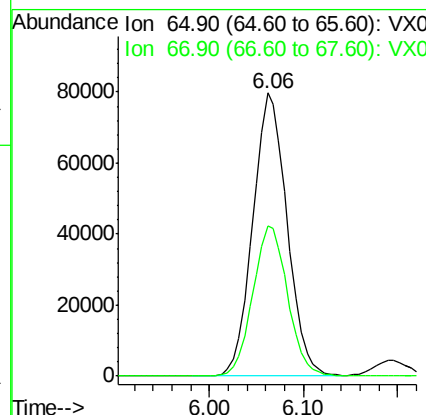
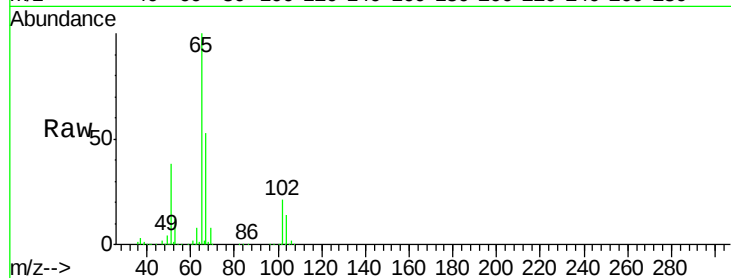
#33
 1,2-Dichloroethane-d4
 Concen: 44.462 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX007780.D
 Acq: 01 Mar 2019 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	203971		
67	53.8	0.0	108.8	

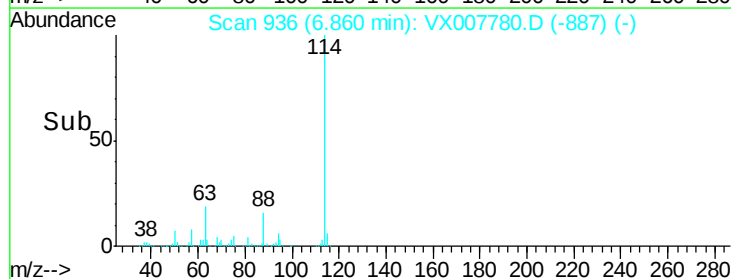
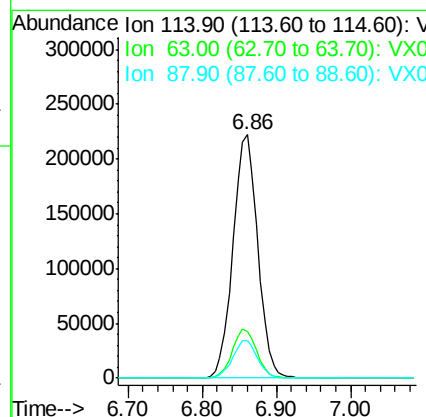
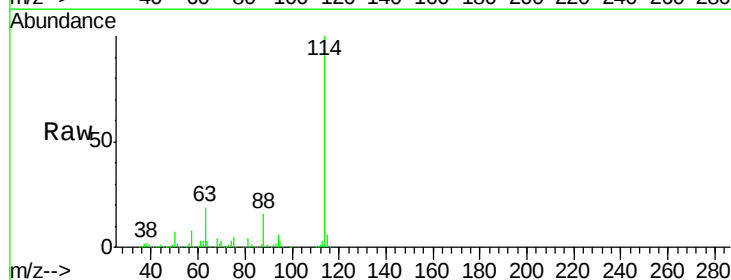
Manual Integrations
 APPROVED

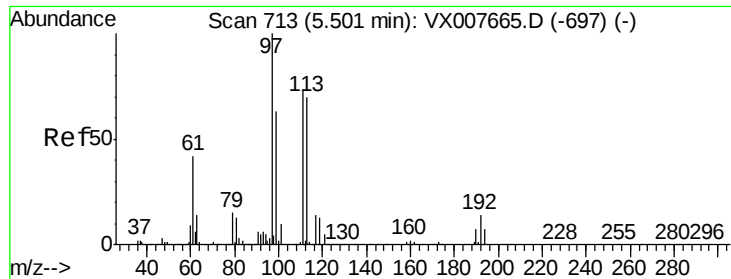
MMDadoda
 3/4/2019 1:35:51 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007780.D
 Acq: 01 Mar 2019 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	517816		
63	19.1	0.0	35.6	
88	15.5	0.0	29.6	





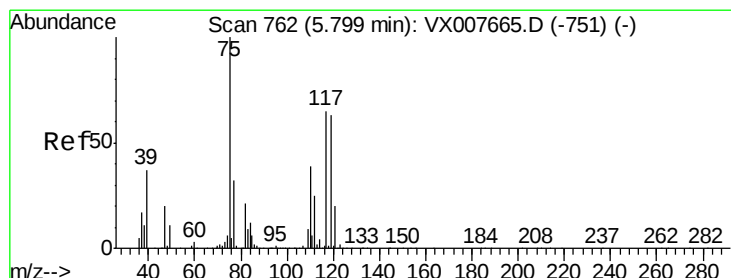
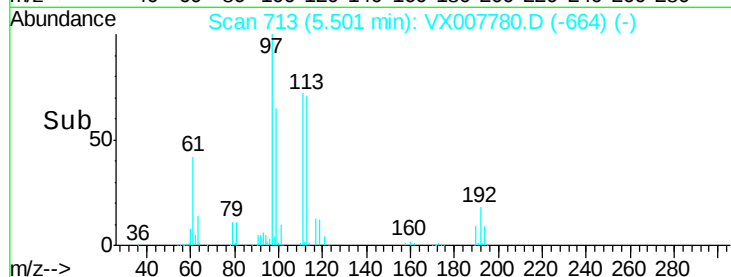
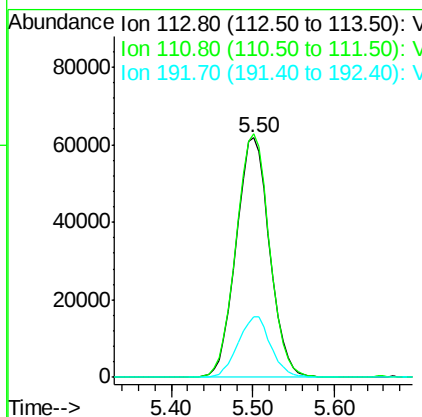
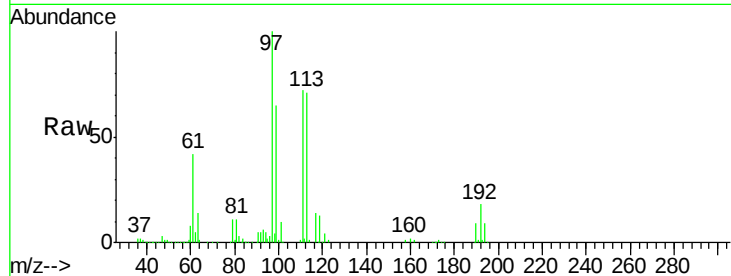
#35
Dibromofluoromethane
Concen: 50.898 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.8	122.8
192	24.8	18.5	27.7

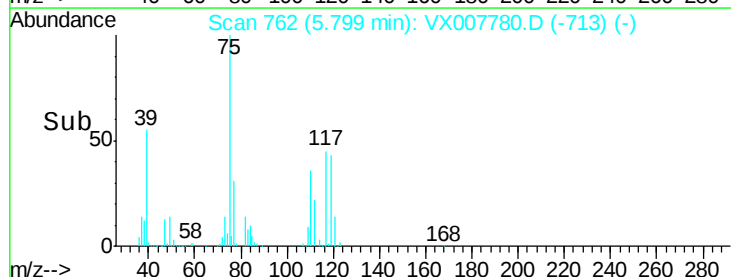
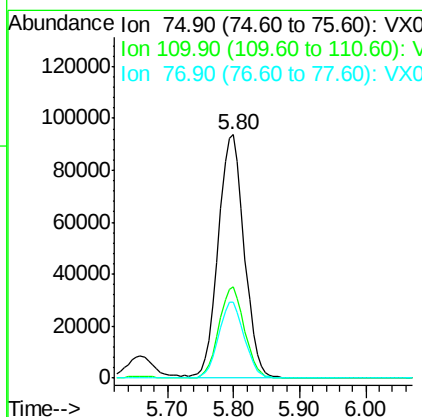
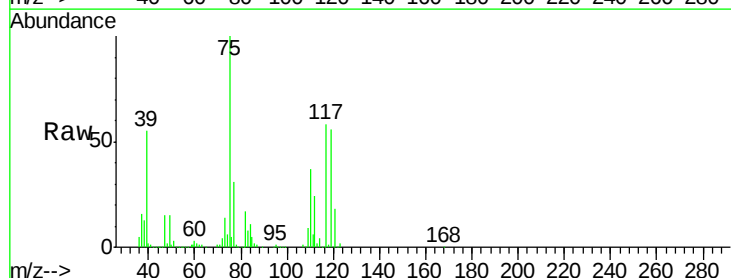
Manual Integrations
APPROVED

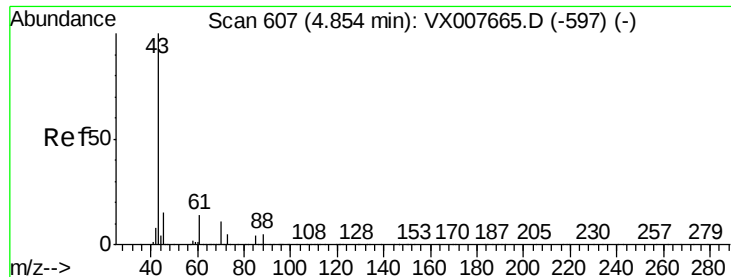
MMDadoda
3/4/2019 1:35:51 PM



#36
1,1-Dichloropropene
Concen: 54.538 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.0	20.0	59.9
77	31.0	24.7	37.1





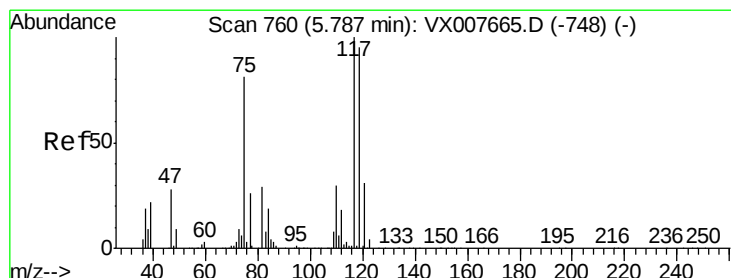
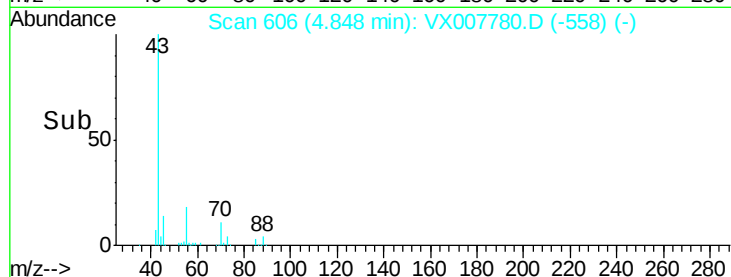
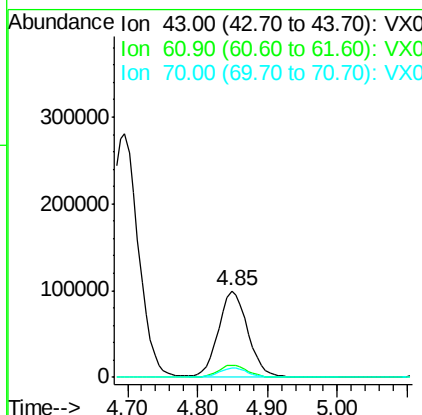
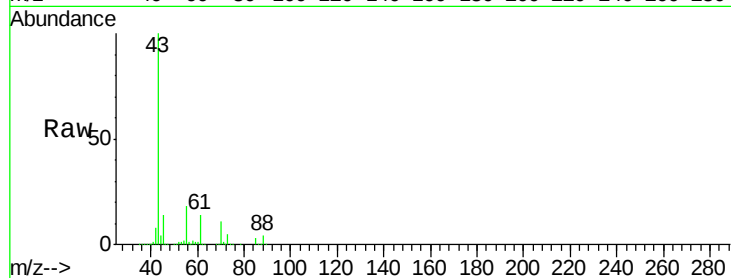
#37
Ethyl Acetate
Concen: 56.113 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	290178
Ion Ratio	Lower	Upper	
43	100		
61	13.9	11.3	16.9
70	10.6	8.6	13.0

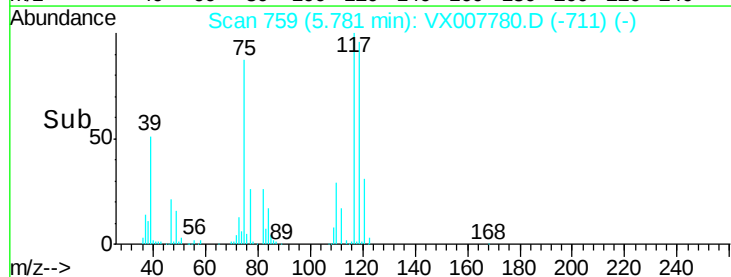
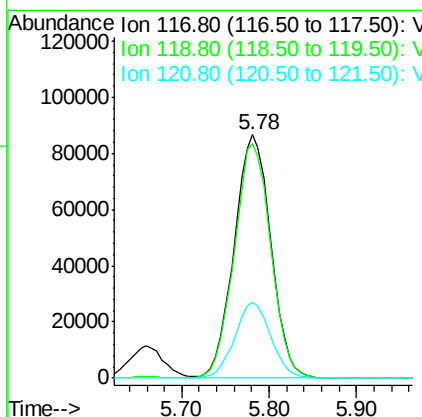
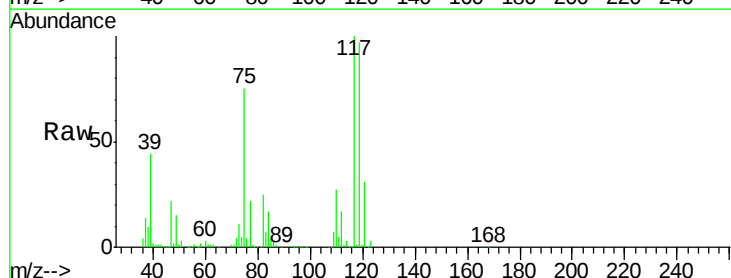
Manual Integrations
APPROVED

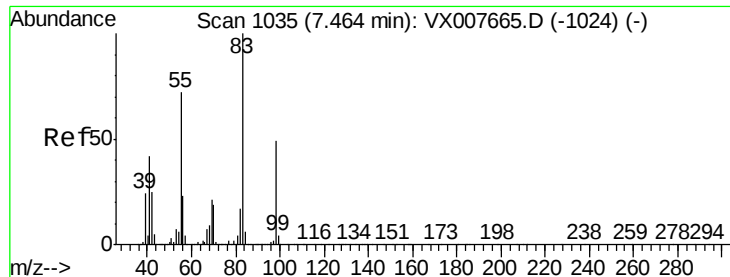
MMDadoda
3/4/2019 1:35:51 PM



#38
Carbon Tetrachloride
Concen: 53.804 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Tgt Ion	117	Resp	251605
Ion Ratio	Lower	Upper	
117	100		
119	96.6	75.3	112.9
121	31.2	25.0	37.4





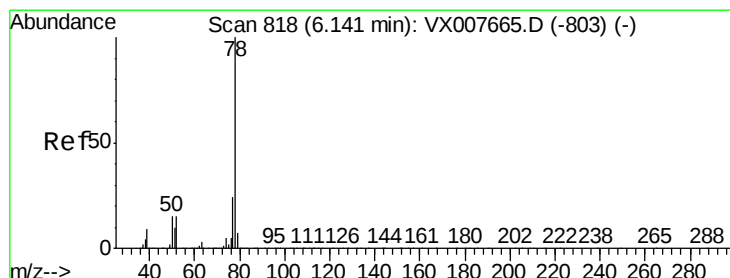
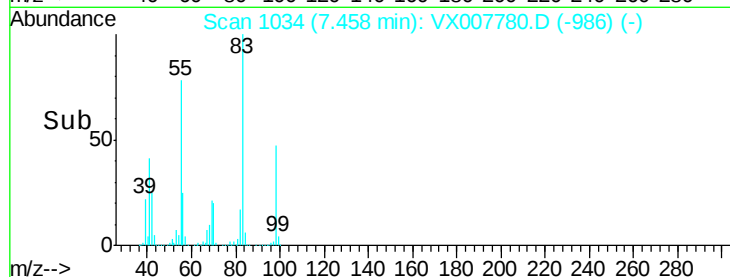
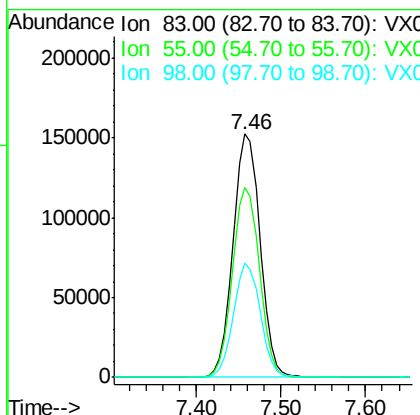
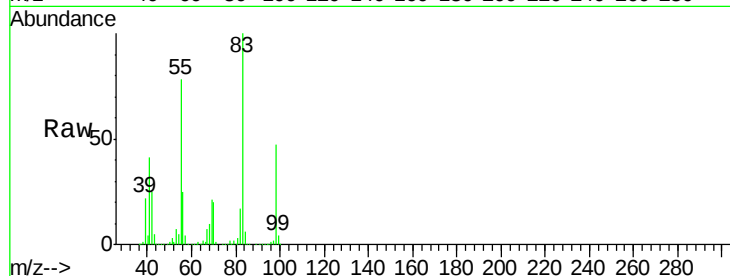
#39
Methvlcvclohexane
Concen: 56.127 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.8	56.2	84.2
98	46.9	36.8	55.2

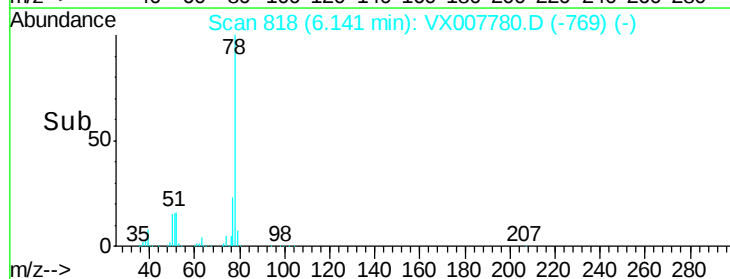
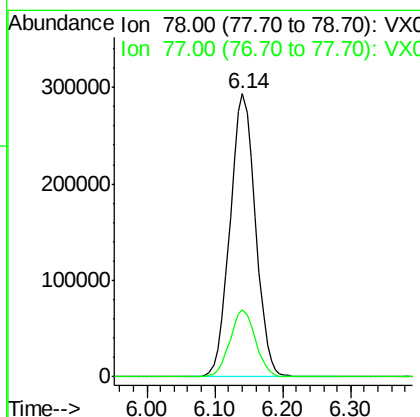
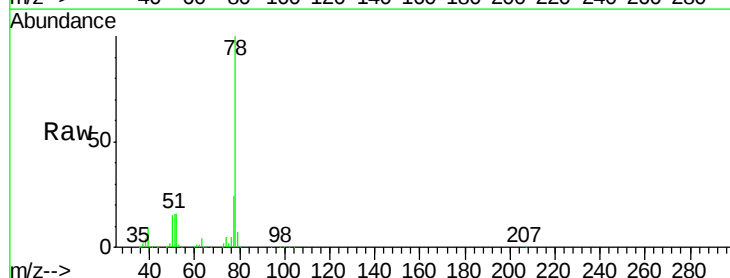
Manual Integrations
APPROVED

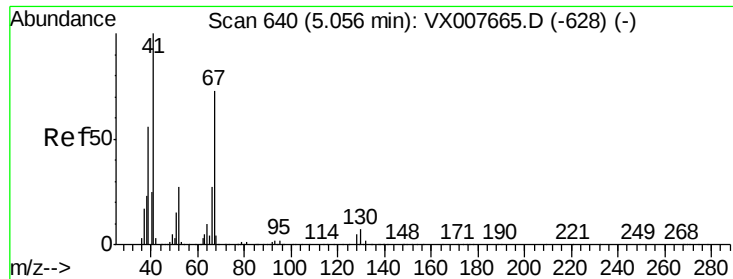
MMDadoda
3/4/2019 1:35:51 PM



#40
Benzene
Concen: 52.945 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.3	28.9





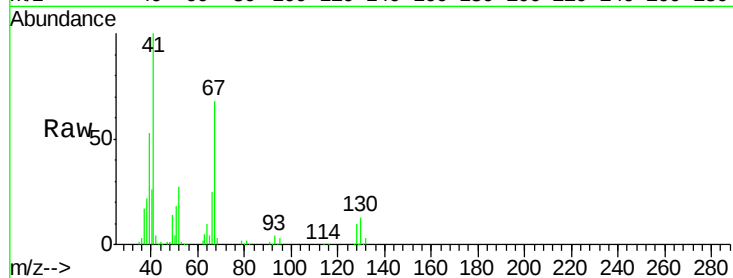
#41
Methacrylonitrile
Concen: 59.292 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.00 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

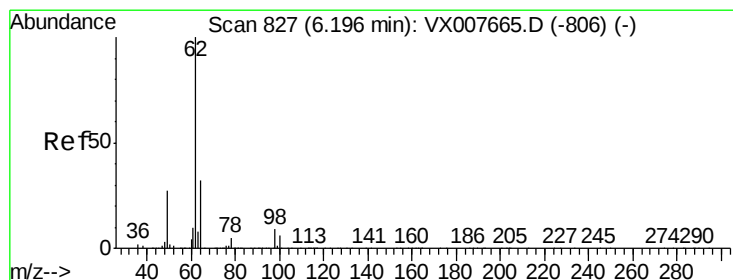
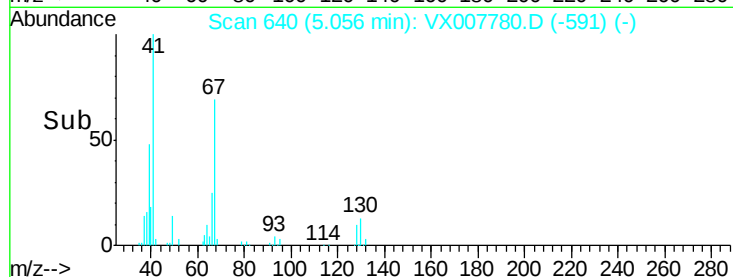
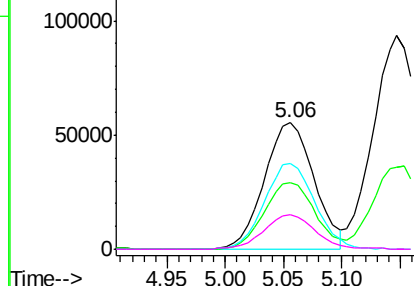
Tot Ion	Ratio	Lower	Upper
41	100		
39	54.9	44.5	66.7
67	69.2	60.4	90.6
52	28.8	24.1	36.1

Manual Integrations
APPROVED

MMDadoda
3/4/2019 1:35:51 PM

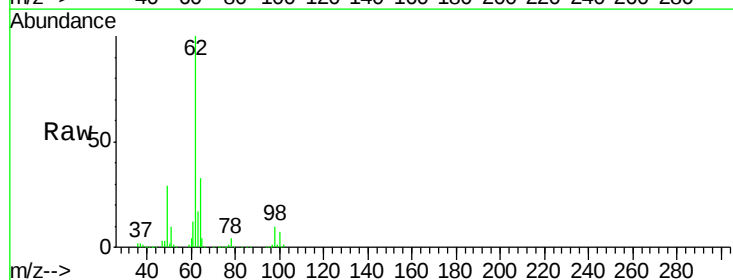


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

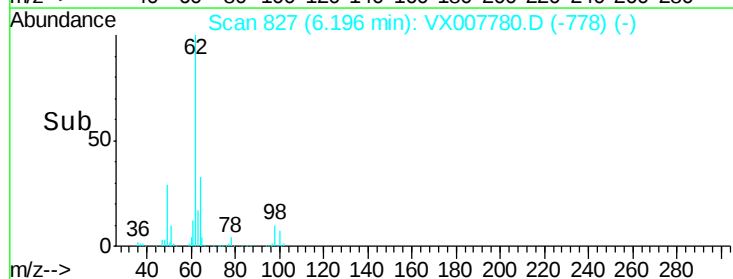
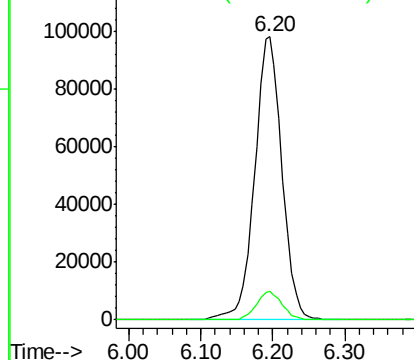


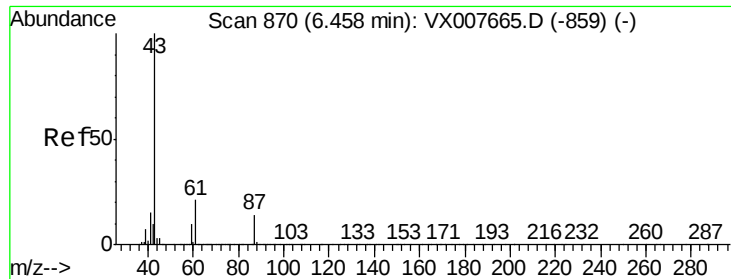
#42
1,2-Dichloroethane
Concen: 53.062 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.0



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





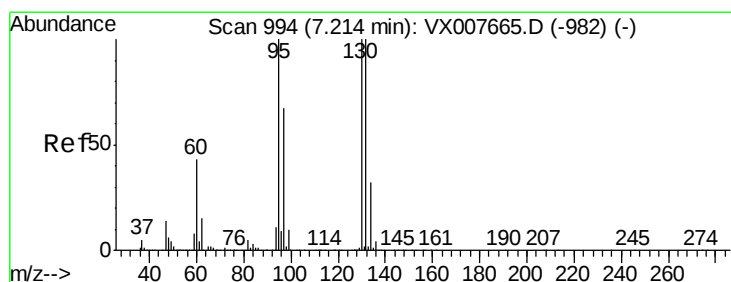
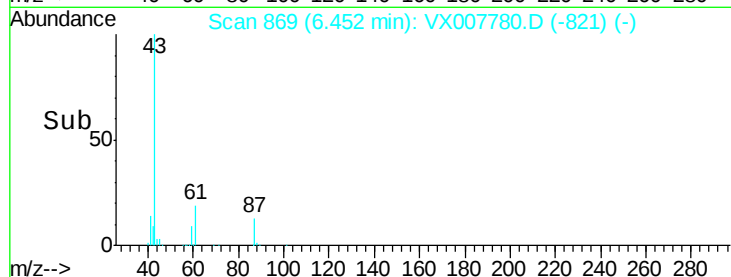
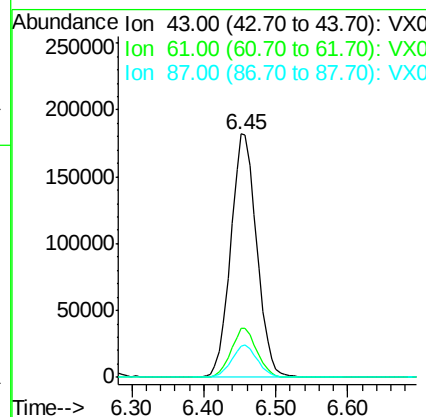
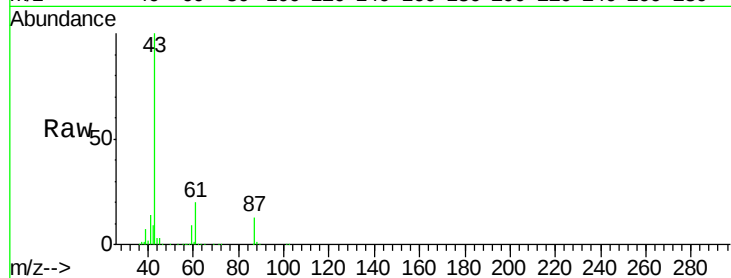
#43
Isopropyl Acetate
Concen: 57.215 ug/l
RT: 6.45 min Scan# 869
Delta R.T. -0.01 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.1	16.1	24.1
87	12.9	11.5	17.3

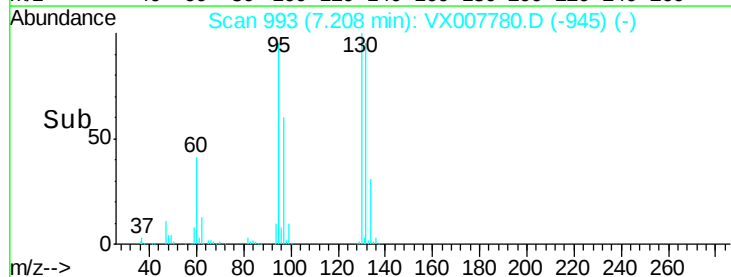
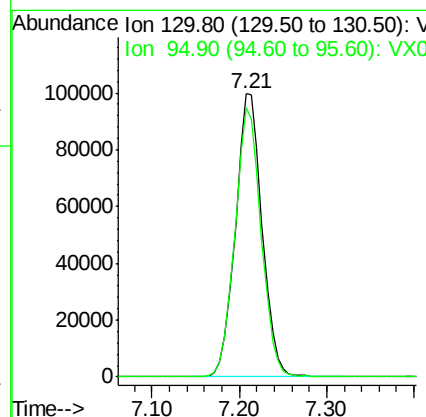
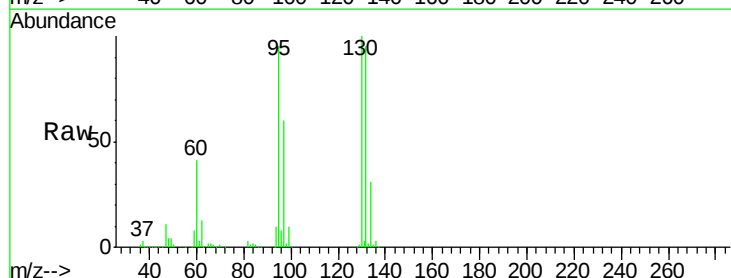
Manual Integrations
APPROVED

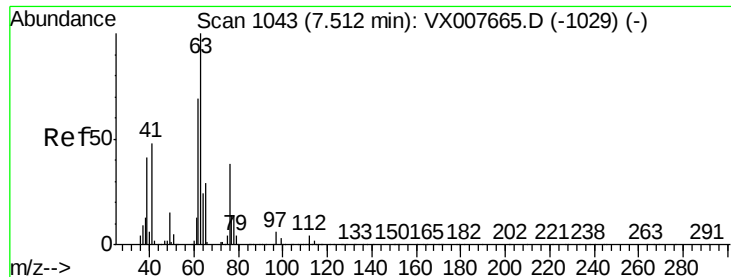
MMDadoda
3/4/2019 1:35:51 PM



#44
Trichloroethene
Concen: 53.485 ug/l
RT: 7.21 min Scan# 993
Delta R.T. -0.01 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	180.0





#45

1,2-Dichloropropane

Concen: 54.748 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX007780.D

Acq: 01 Mar 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 203805

Ion Ratio Lower Upper

63 100

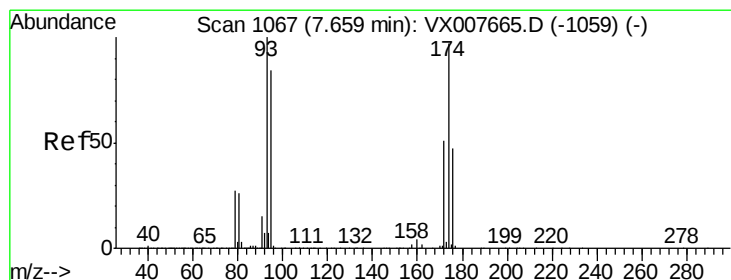
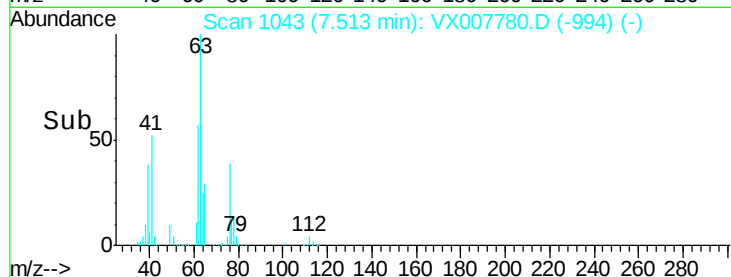
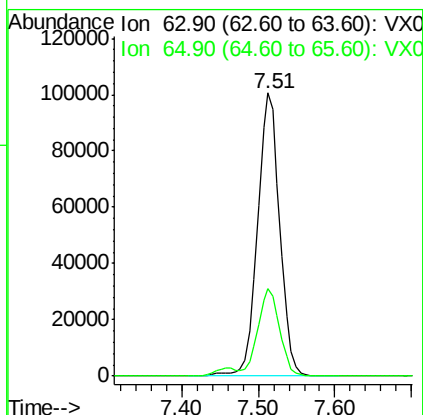
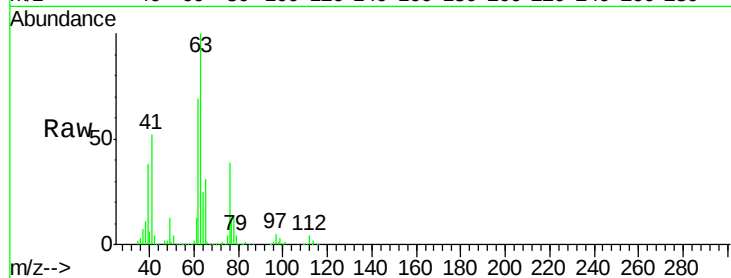
65 30.8 24.2 36.2

Manual Integrations

APPROVED

MMDadoda

3/4/2019 1:35:51 PM



#46

Dibromomethane

Concen: 49.106 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX007780.D

Acq: 01 Mar 2019 10:30

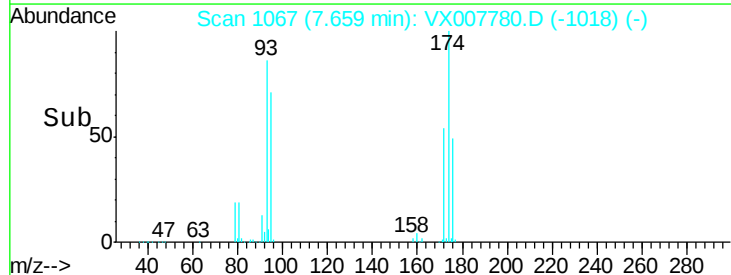
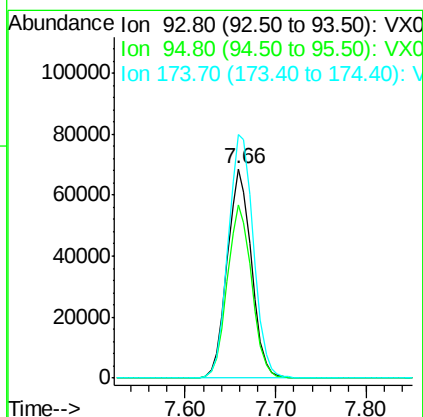
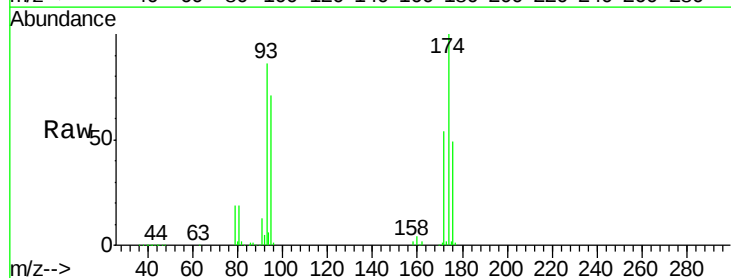
Tgt Ion: 93 Resp: 127530

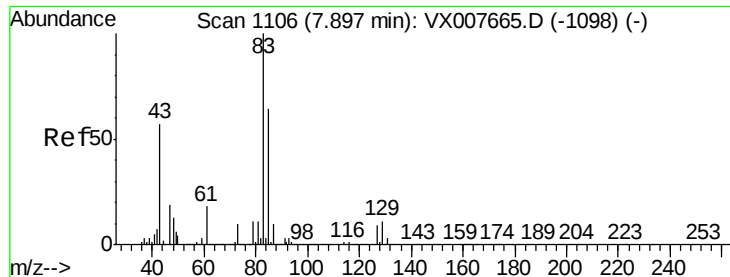
Ion Ratio Lower Upper

93 100

95 83.4 67.6 101.4

174 121.2 94.2 141.4





#47

Bromodichloromethane

Concen: 54.610 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007780.D

Acq: 01 Mar 2019 10:30

Instrument :

MSVOA_X

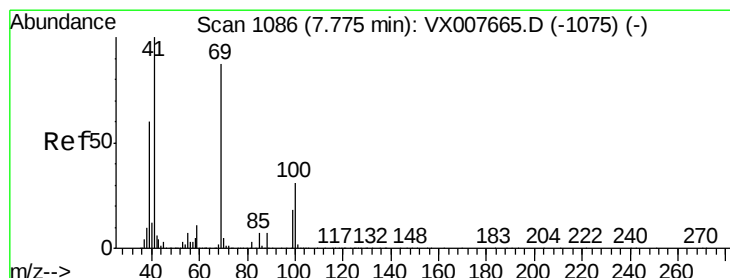
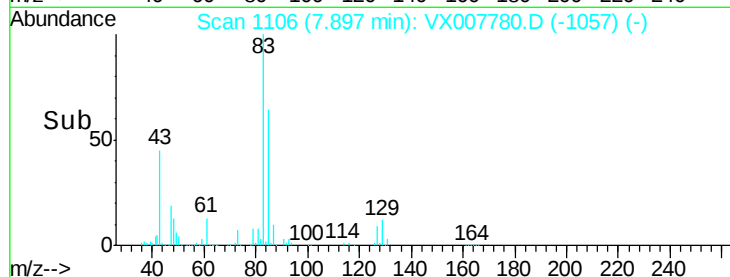
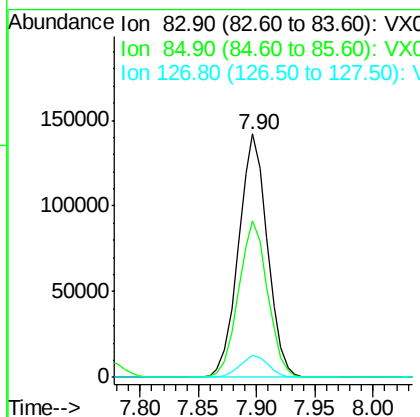
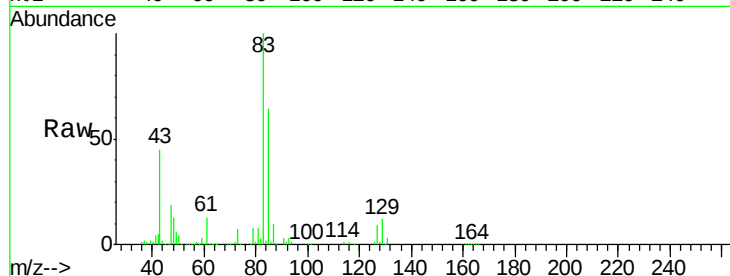
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	245777
Ion Ratio	Lower	Upper	
83	100		
85	64.4	51.4	77.0
127	9.1	8.1	12.1

Manual Integrations
APPROVED

MMDadoda
3/4/2019 1:35:51 PM



#48

Methyl methacrylate

Concen: 57.989 ug/l

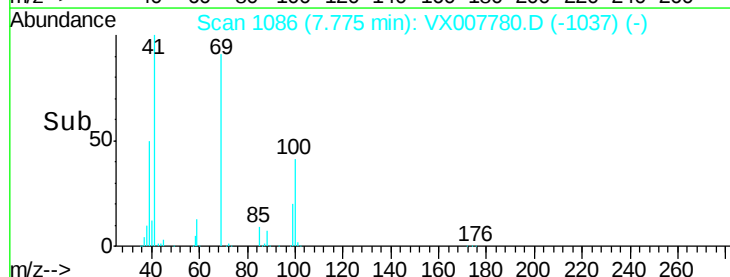
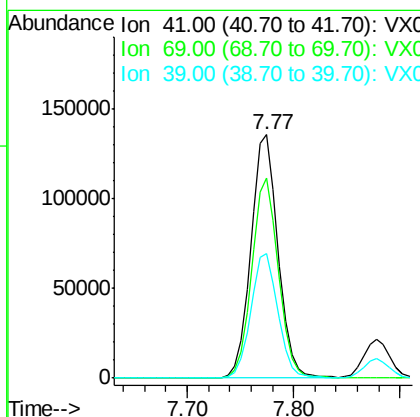
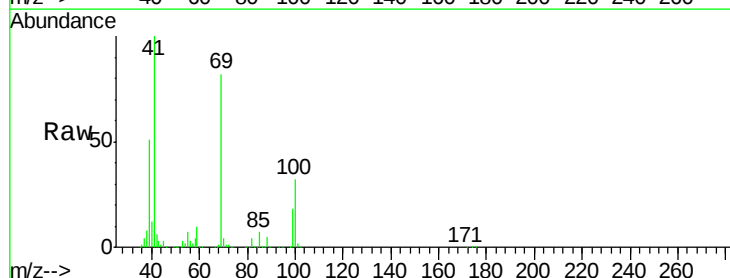
RT: 7.77 min Scan# 1086

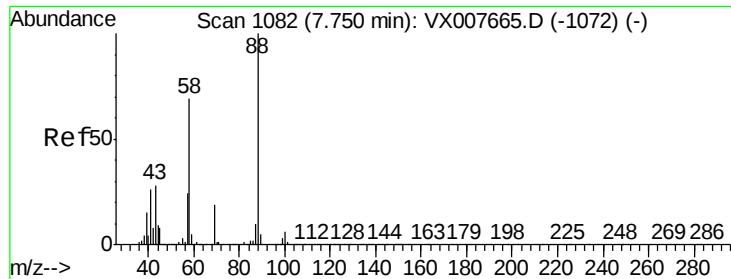
Delta R.T. 0.00 min

Lab File: VX007780.D

Acq: 01 Mar 2019 10:30

Tgt Ion:	41	Resp:	241930
Ion Ratio	Lower	Upper	
41	100		
69	81.1	70.2	105.4
39	51.3	47.4	71.0





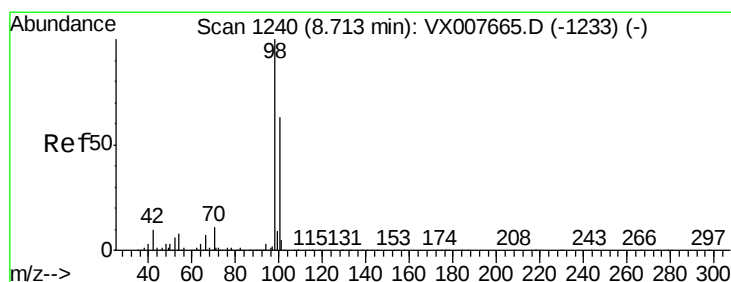
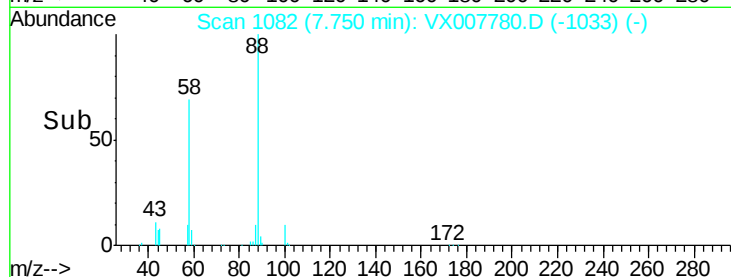
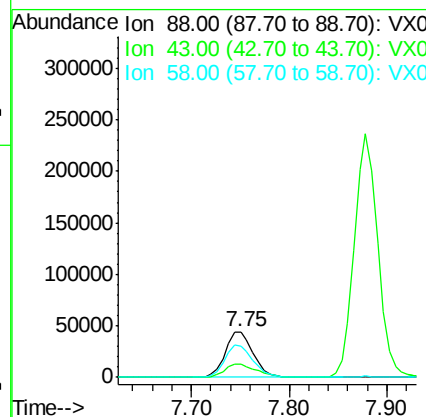
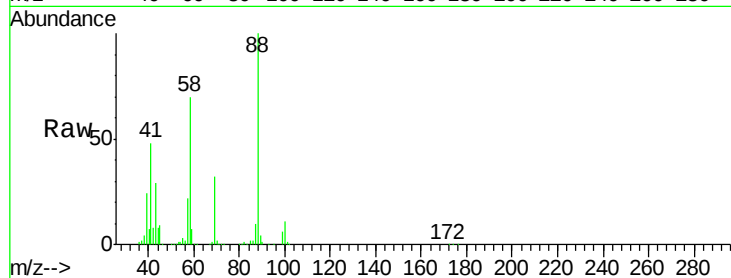
#49
1,4-Dioxane
Concen: 964.184 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.4	24.2	36.4
58	72.8	53.0	79.4

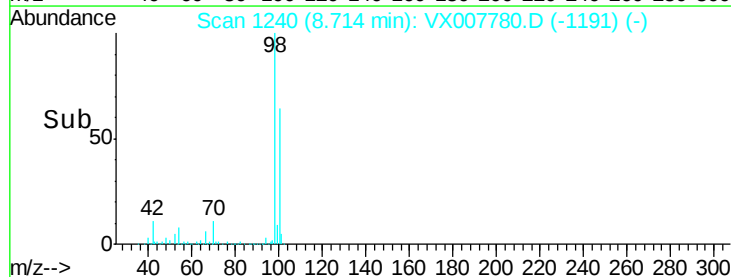
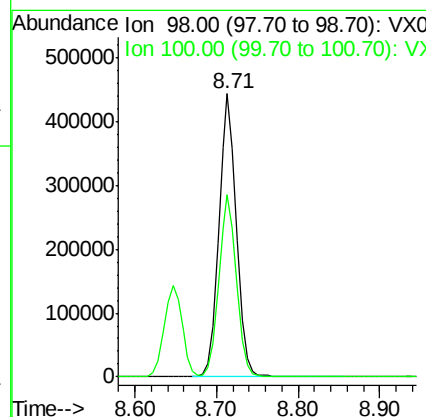
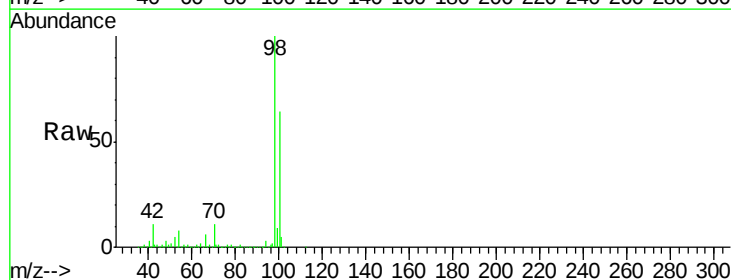
Manual Integrations
APPROVED

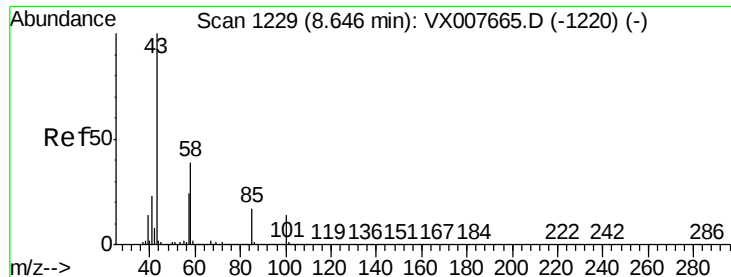
MMDadoda
3/4/2019 1:35:51 PM



#50
Toluene-d8
Concen: 50.500 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 275.149 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007780.D

Acq: 01 Mar 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1465872

Ion Ratio Lower Upper

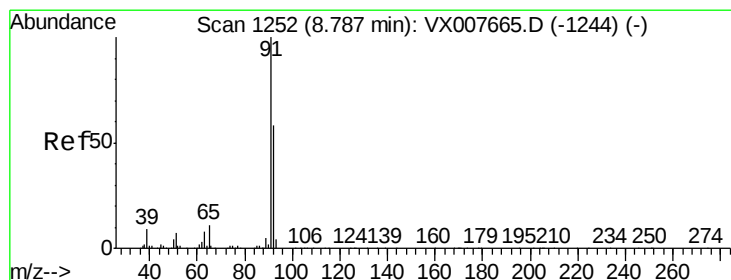
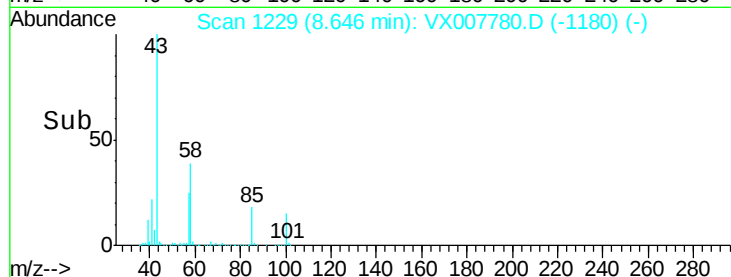
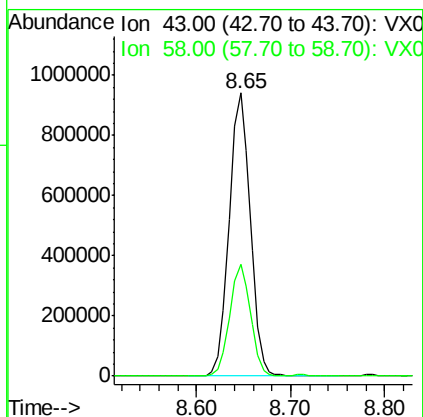
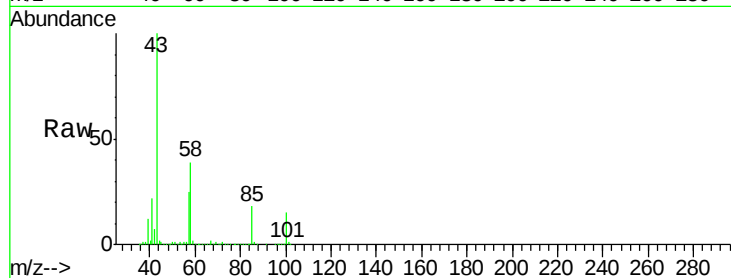
43 100

58 38.8 31.2 46.8

Manual Integrations
APPROVED

MMDadoda

3/4/2019 1:35:51 PM



#52

Toluene

Concen: 53.416 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007780.D

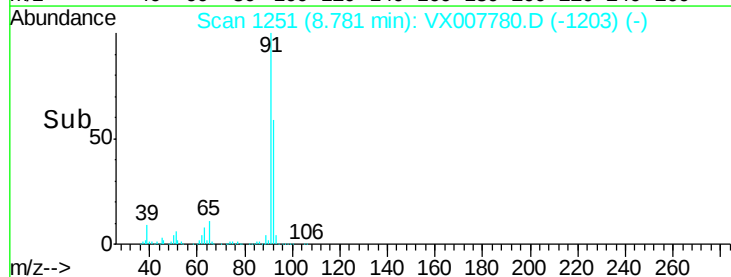
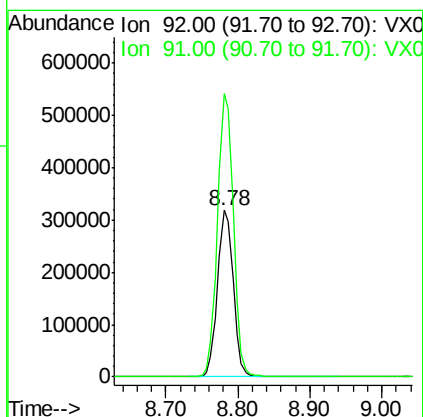
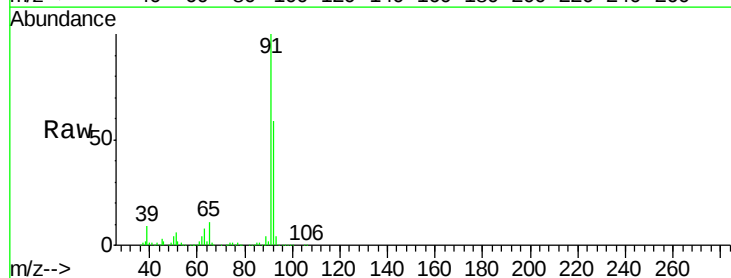
Acq: 01 Mar 2019 10:30

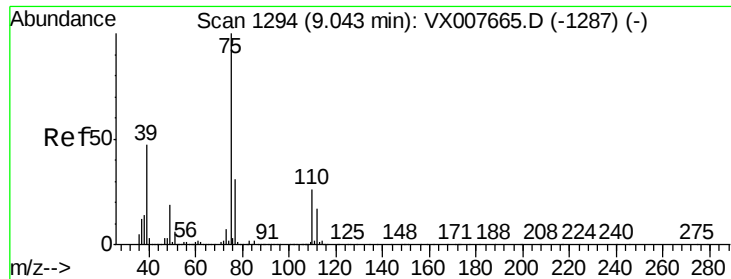
Tgt Ion: 92 Resp: 484056

Ion Ratio Lower Upper

92 100

91 171.4 139.1 208.7





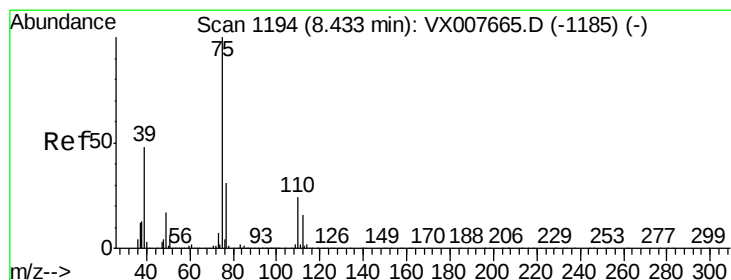
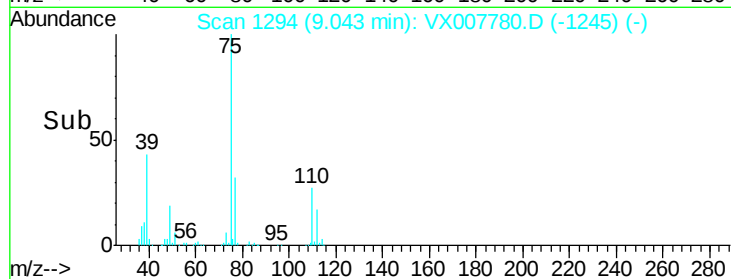
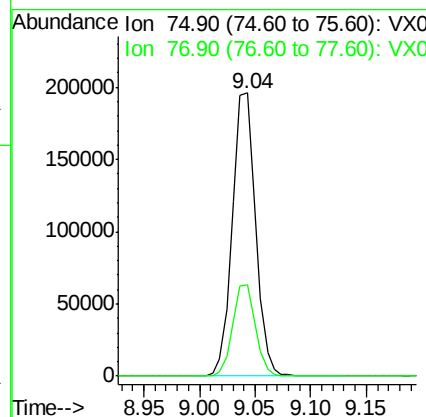
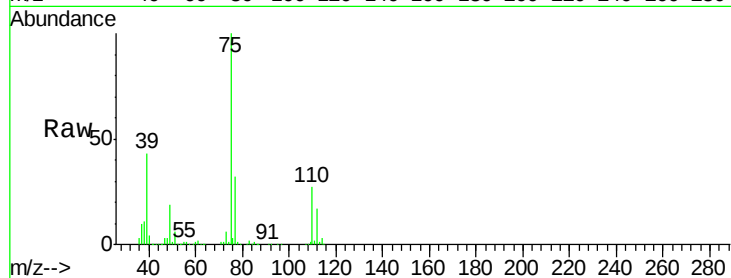
#53
t-1,3-Dichloropropene
Concen: 50.708 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
75	100	283956		
77	32.4	25.2	37.8	

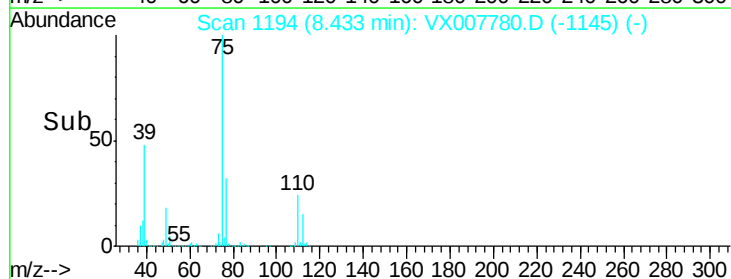
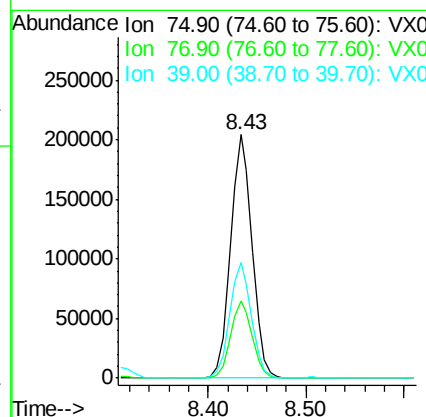
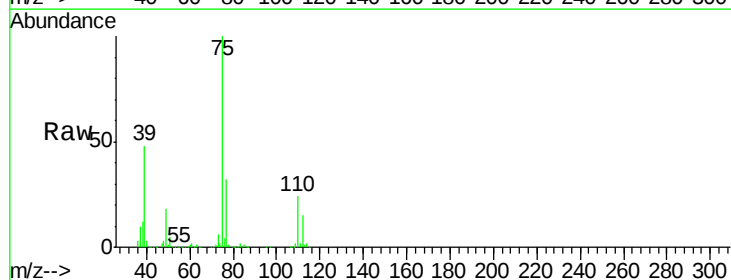
Manual Integrations
APPROVED

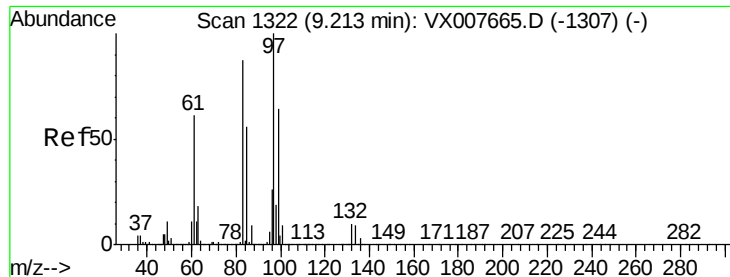
MMDadoda
3/4/2019 1:35:51 PM



#54
cis-1,3-Dichloropropene
Concen: 56.853 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	310505		
77	31.7	26.2	39.4	
39	47.6	37.1	55.7	





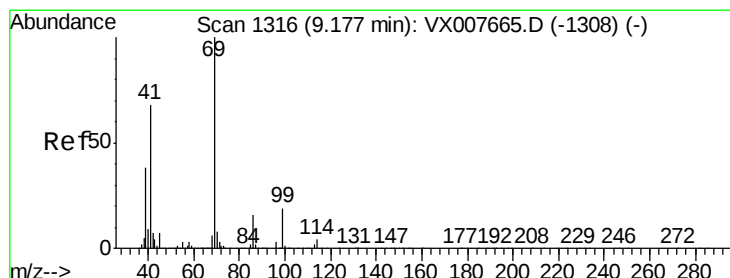
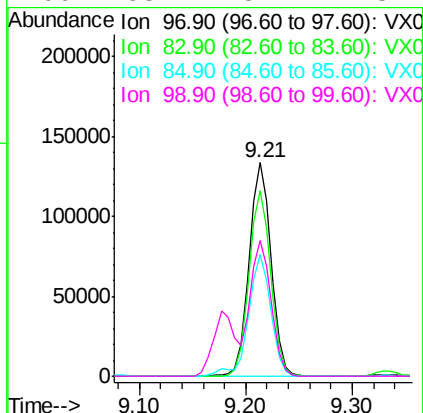
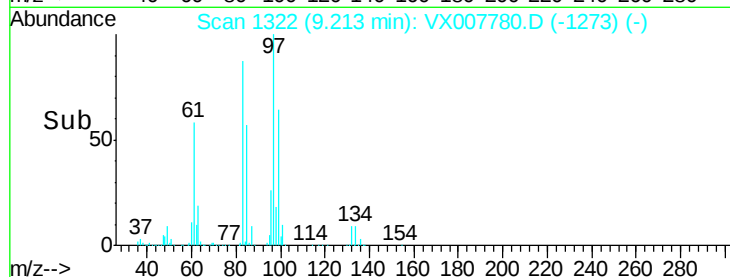
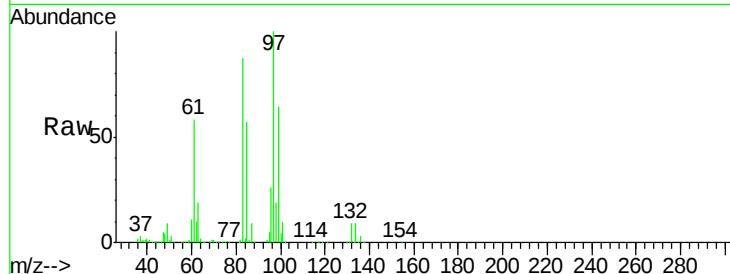
#55
 1,1,2-Trichloroethane
 Concen: 51.278 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007780.D
 Acq: 01 Mar 2019 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		193776		
83	86.8	68.6	102.8		
85	56.8	44.5	66.7		
99	63.7	52.2	78.4		

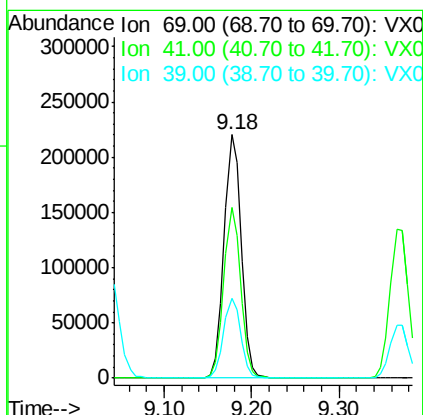
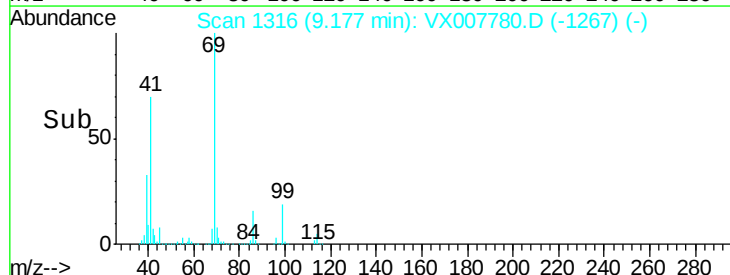
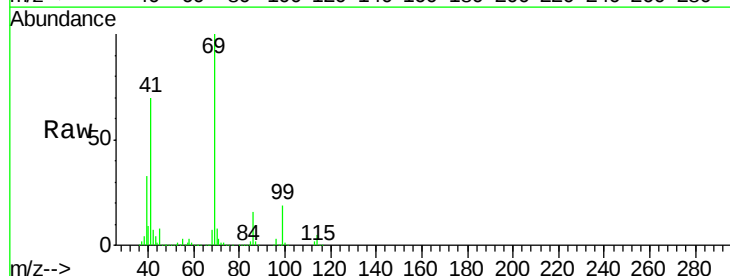
Manual Integrations
 APPROVED

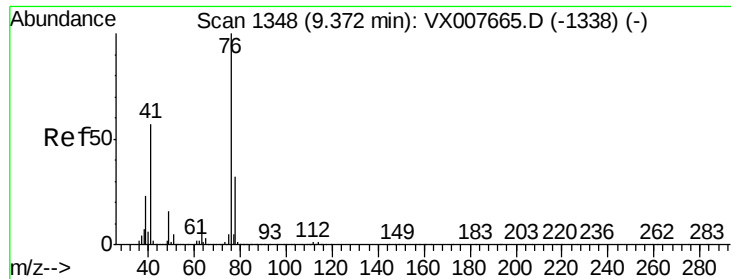
MMDadoda
 3/4/2019 1:35:51 PM



#56
 Ethyl methacrylate
 Concen: 55.941 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX007780.D
 Acq: 01 Mar 2019 10:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		300622		
41	69.1	52.1	78.1		
39	32.9	30.1	45.1		





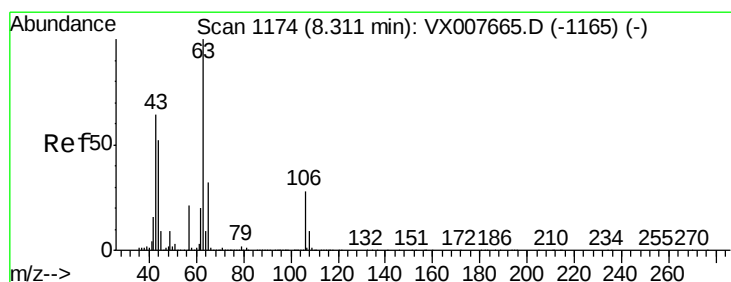
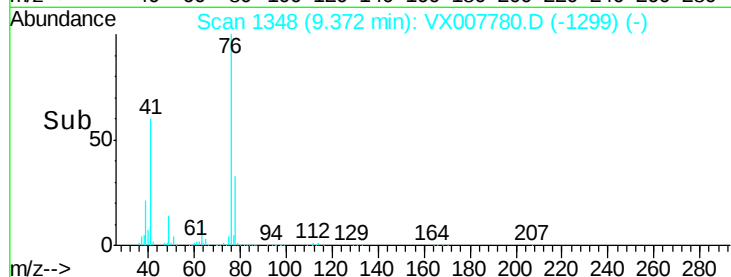
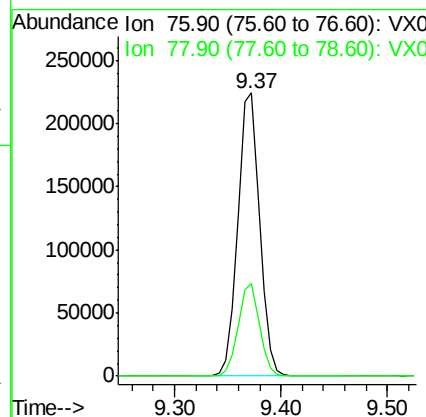
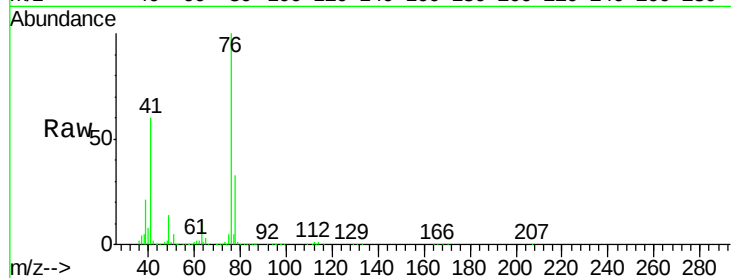
#57
 1,3-Dichloropropane
 Concen: 53.644 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX007780.D
 Acq: 01 Mar 2019 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.8

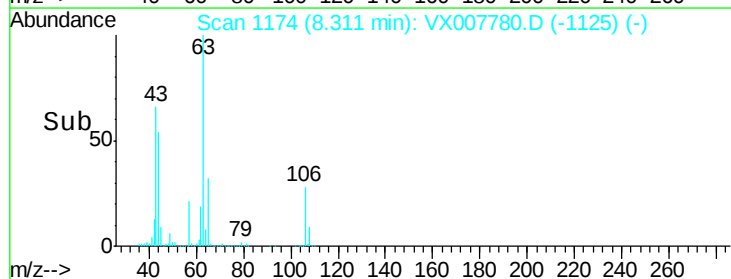
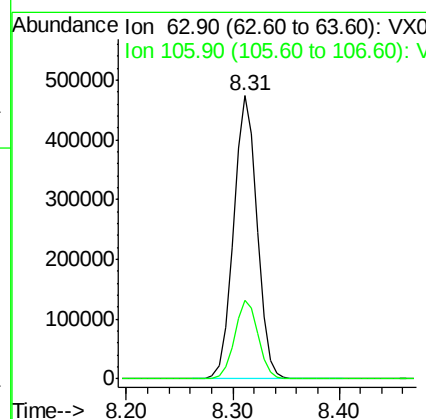
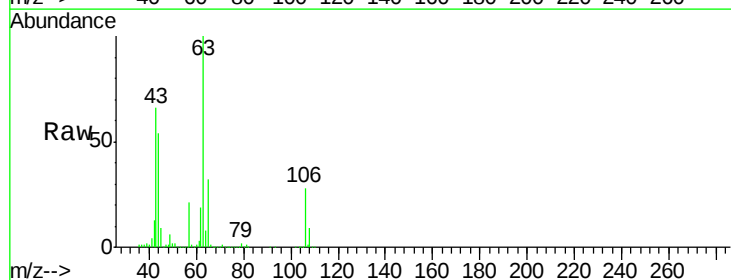
Manual Integrations
 APPROVED

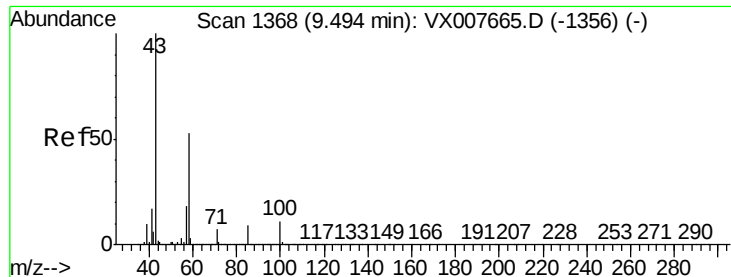
MMDadoda
 3/4/2019 1:35:51 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 246.603 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX007780.D
 Acq: 01 Mar 2019 10:30

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.9	23.6	35.4





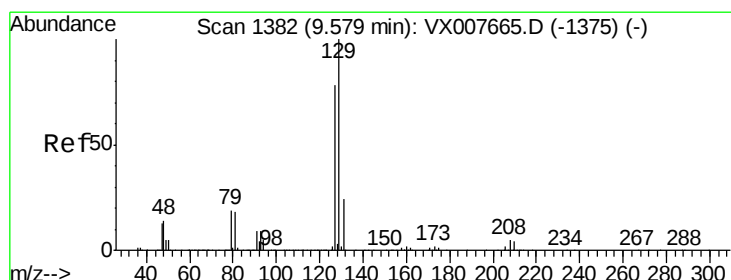
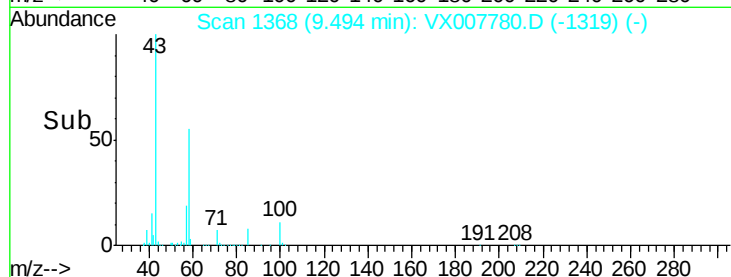
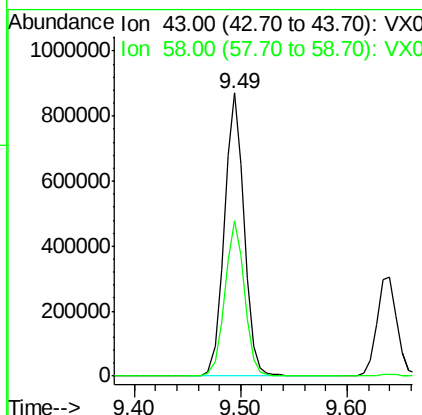
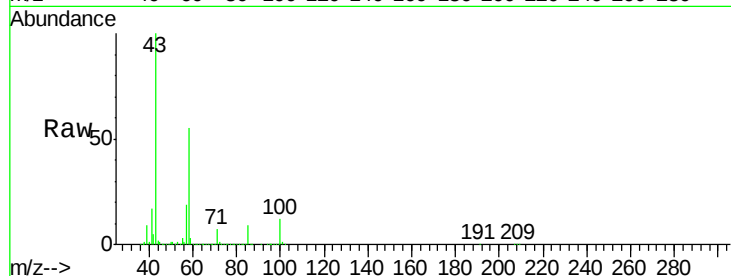
#59
2-Hexanone
Concen: 269.804 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1128488
Ion Ratio Lower Upper
43 100
58 54.6 27.1 81.3

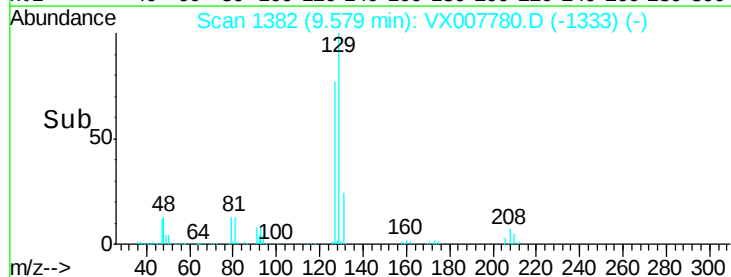
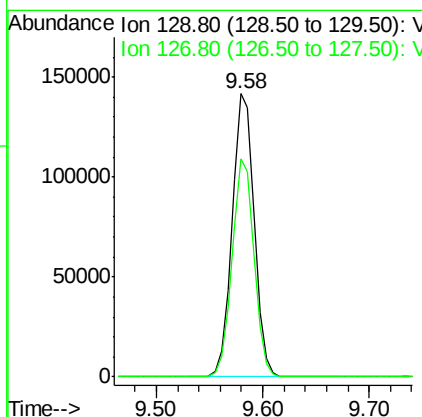
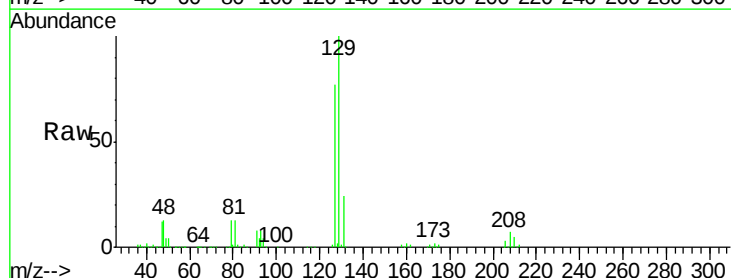
Manual Integrations
APPROVED

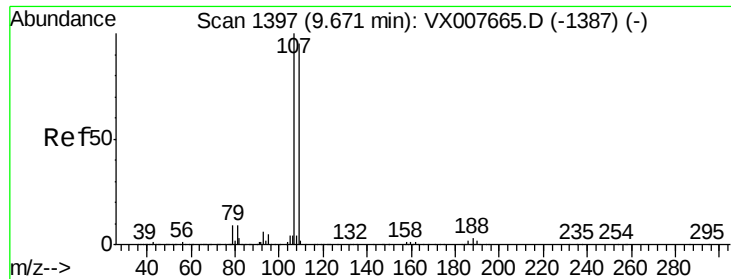
MMDadoda
3/4/2019 1:35:51 PM



#60
Dibromochloromethane
Concen: 56.574 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Tgt Ion: 129 Resp: 205712
Ion Ratio Lower Upper
129 100
127 76.7 37.8 113.4





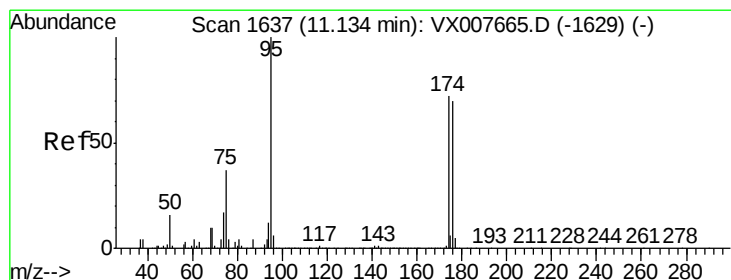
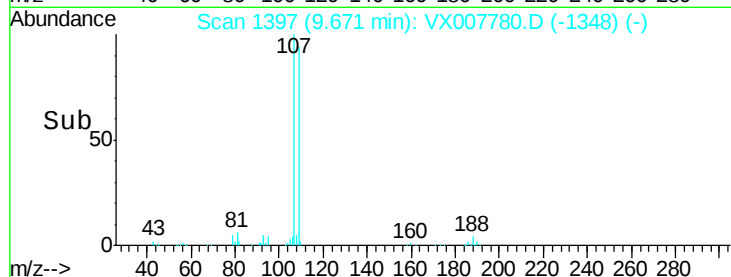
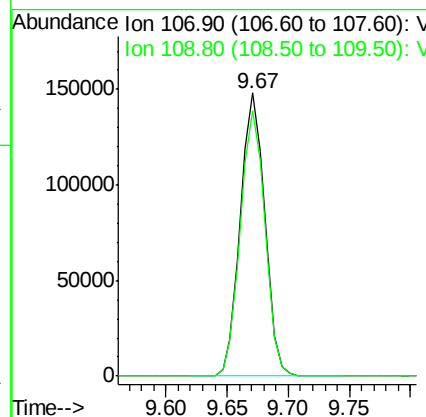
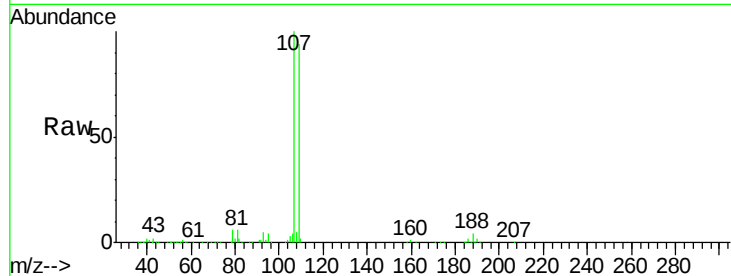
#61
 1,2-Dibromoethane
 Concen: 52.143 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX007780.D
 Acq: 01 Mar 2019 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	204581		
109	94.7	75.1	112.7	

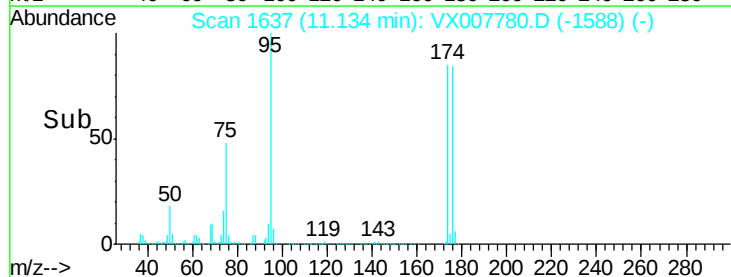
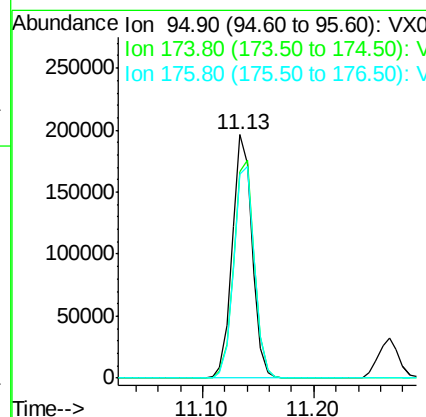
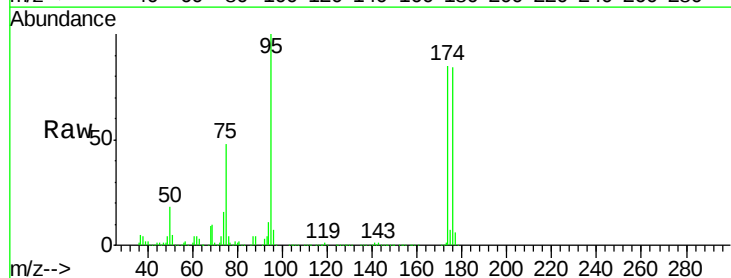
Manual Integrations
 APPROVED

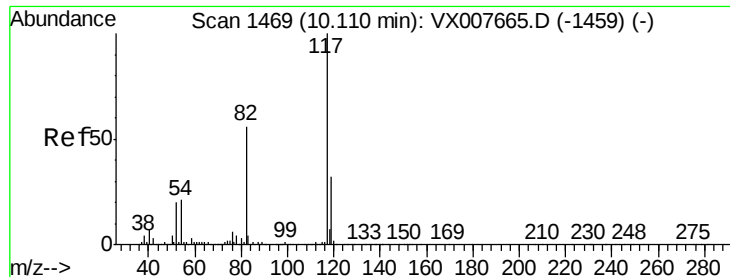
MMDadoda
 3/4/2019 1:35:51 PM



#62
 4-Bromofluorobenzene
 Concen: 49.627 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX007780.D
 Acq: 01 Mar 2019 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	241379		
174	91.8	0.0	189.2	
176	90.1	0.0	186.2	





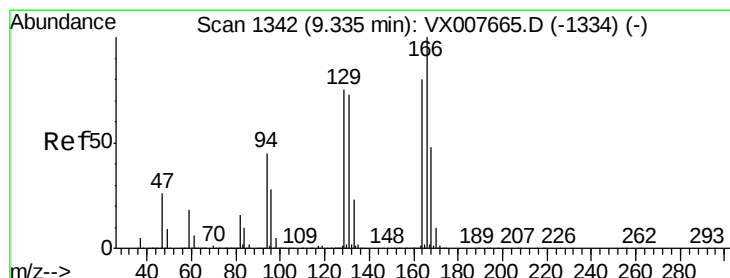
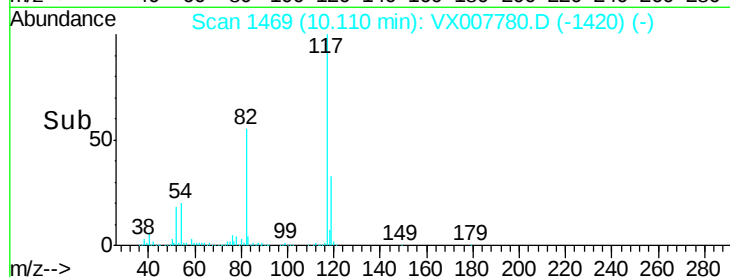
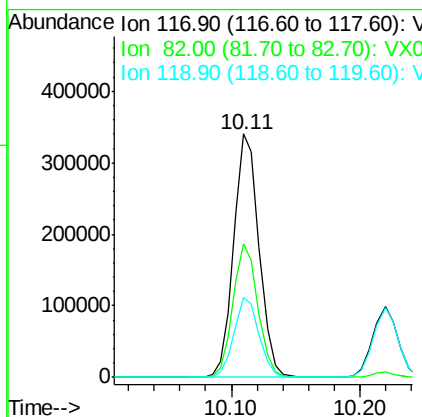
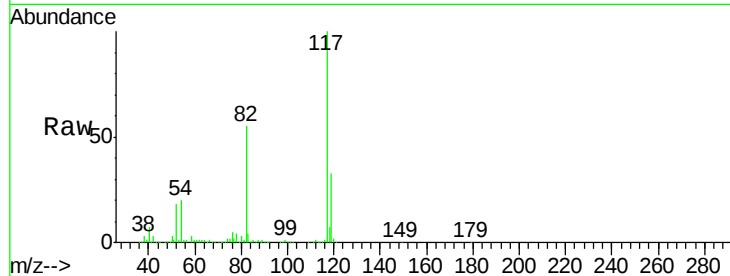
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	466957		
82	55.1	42.1	63.1	
119	32.6	26.5	39.7	

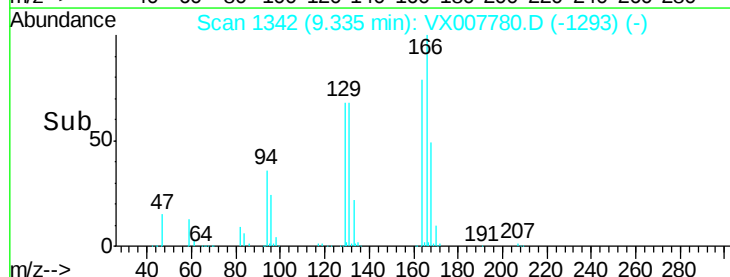
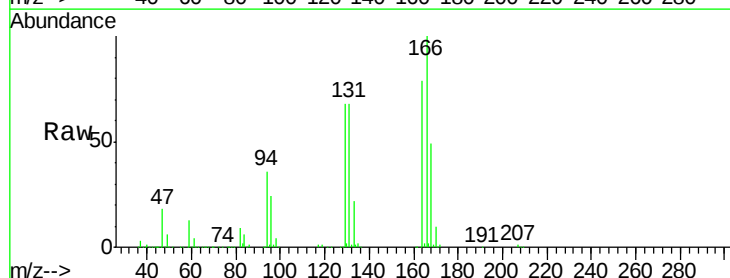
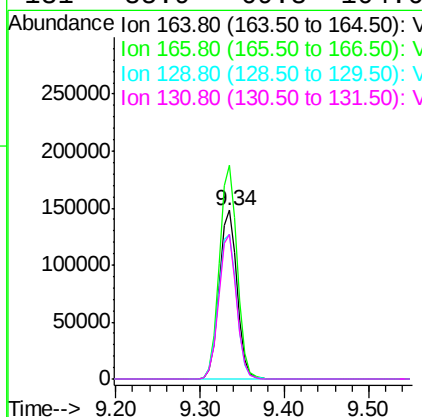
Manual Integrations
APPROVED

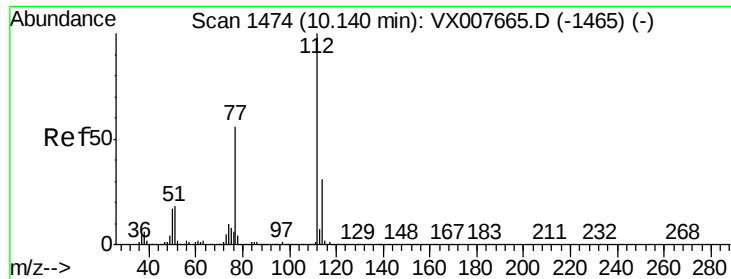
MMDadoda
3/4/2019 1:35:51 PM



#64
Tetrachloroethene
Concen: 57.250 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	217025		
166	126.9	101.0	151.4	
129	85.7	70.5	105.7	
131	85.9	69.8	104.6	





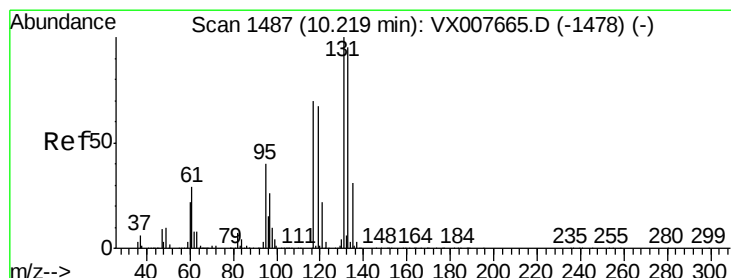
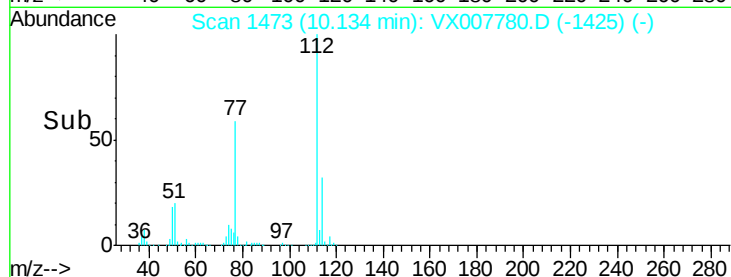
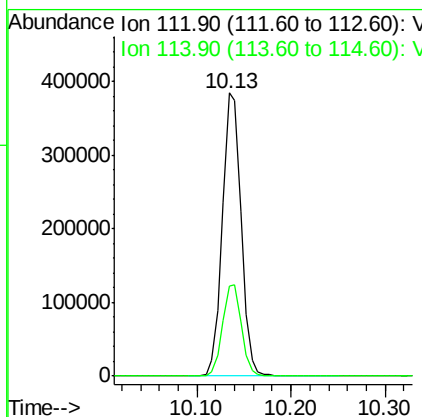
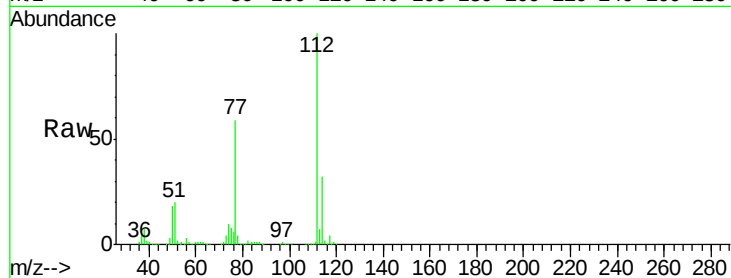
#65
Chlorobenzene
Concen: 52.673 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 531965
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.6

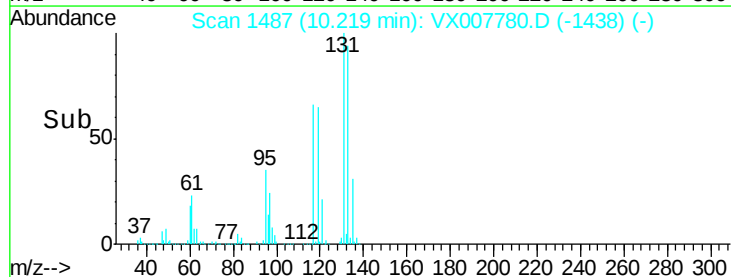
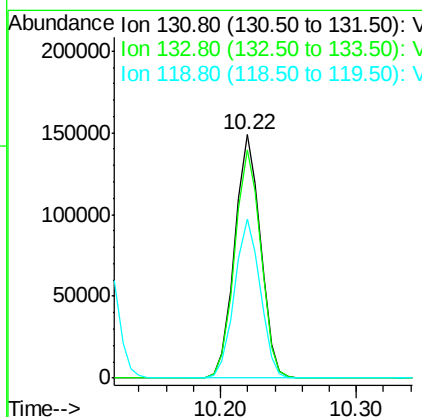
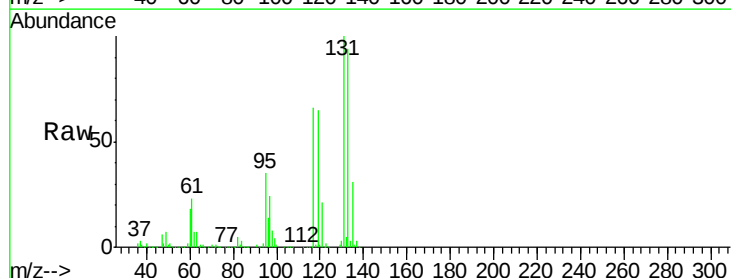
Manual Integrations
APPROVED

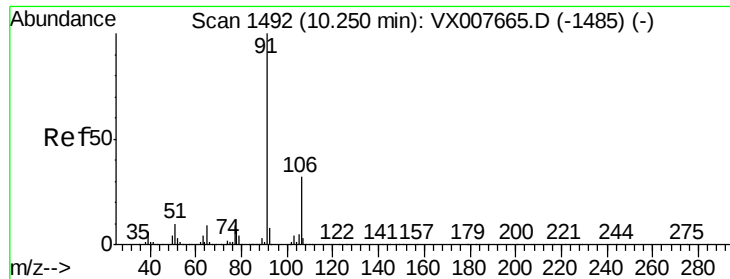
MMDadoda
3/4/2019 1:35:51 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.802 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Tgt Ion:131 Resp: 196582
Ion Ratio Lower Upper
131 100
133 94.8 48.0 144.2
119 65.2 32.0 96.0





#67

Ethyl Benzene

Concen: 54.558 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007780.D

Acq: 01 Mar 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 912767

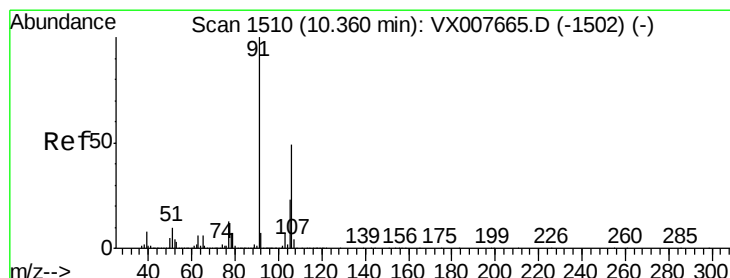
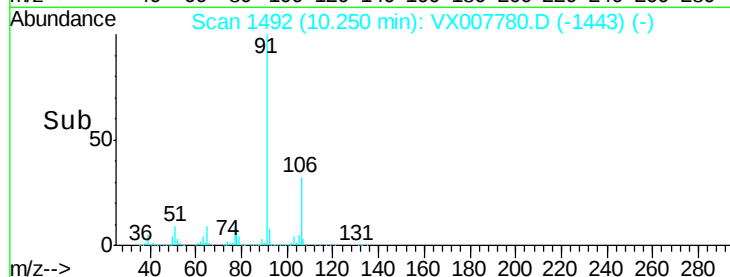
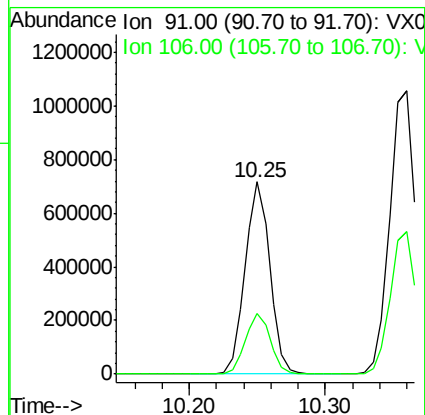
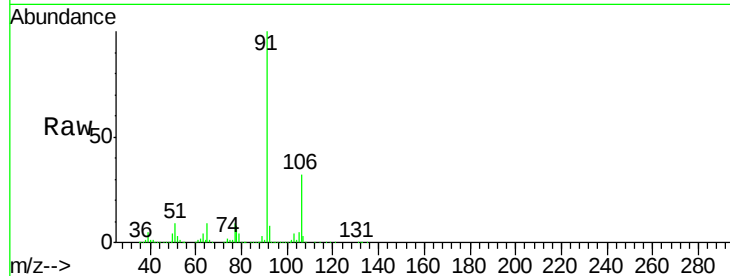
Ion Ratio Lower Upper

91 100

106 31.9 25.4 38.0

Manual Integrations
APPROVED

MMDadoda
3/4/2019 1:35:51 PM



#68

m/p-Xylenes

Concen: 108.730 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007780.D

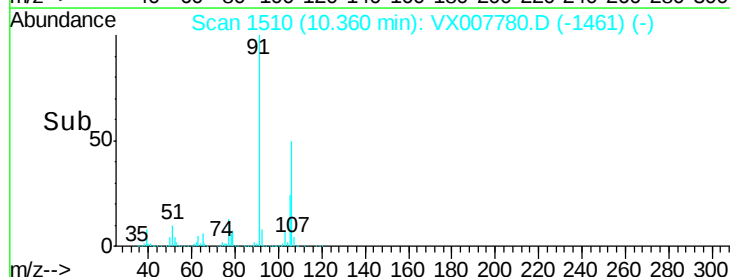
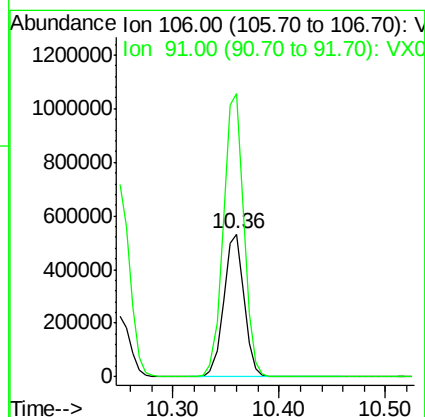
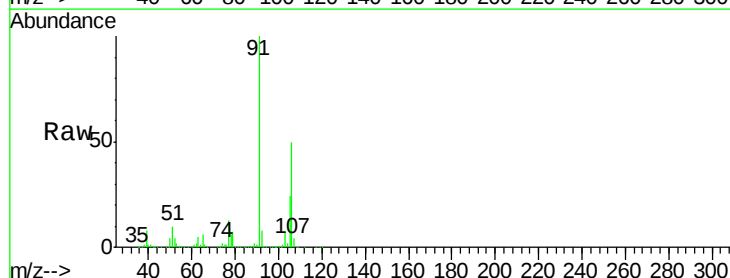
Acq: 01 Mar 2019 10:30

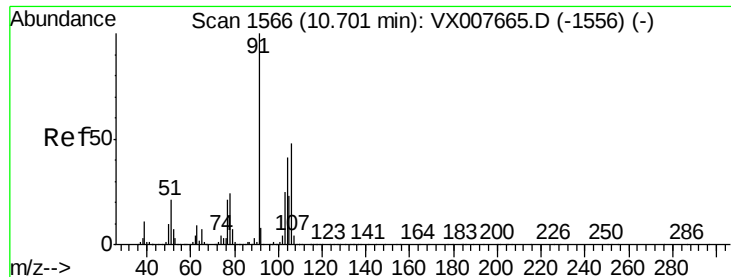
Tgt Ion: 106 Resp: 707675

Ion Ratio Lower Upper

106 100

91 200.3 156.6 234.8





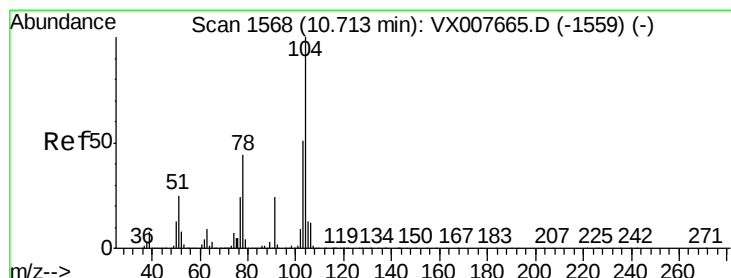
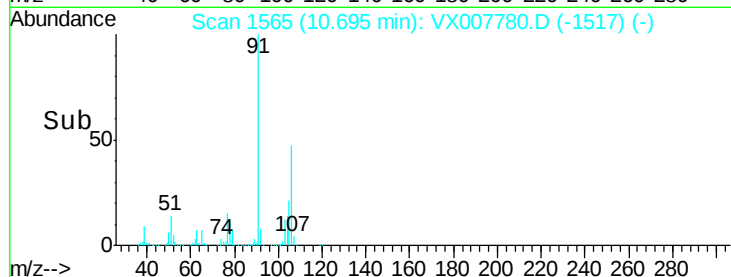
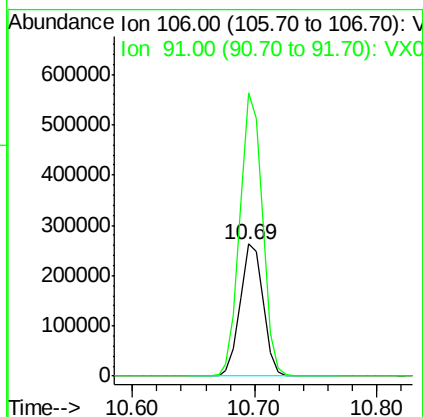
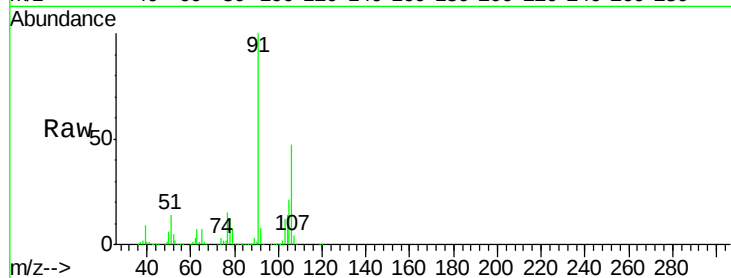
#69
o-Xylene
Concen: 54.267 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.6	102.9	308.7

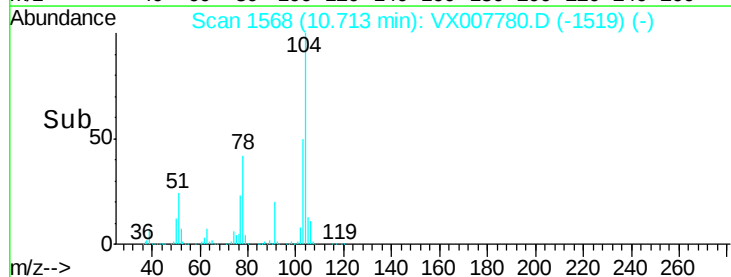
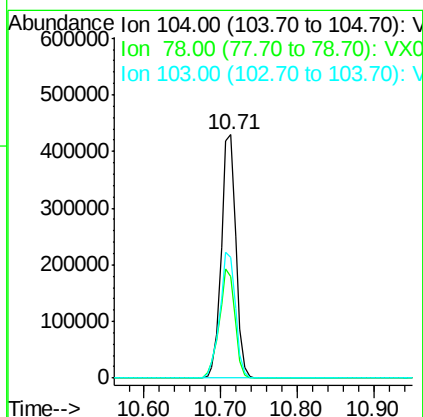
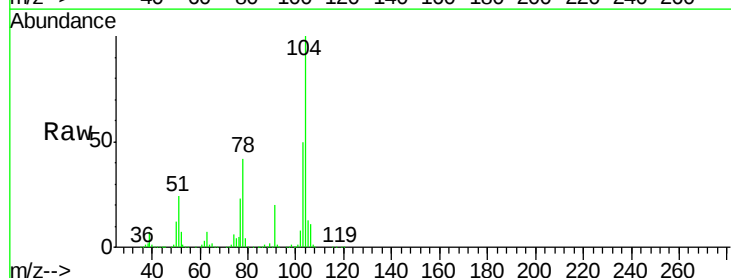
Manual Integrations
APPROVED

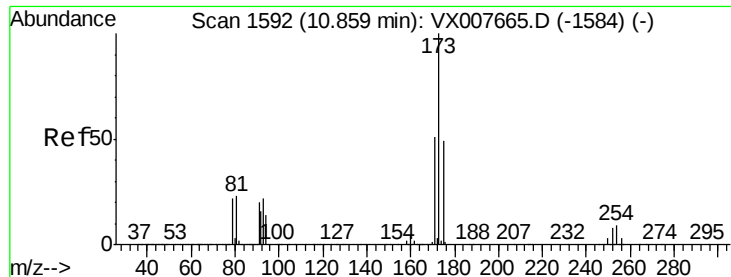
MMDadoda
3/4/2019 1:35:51 PM



#70
Styrene
Concen: 54.975 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.4	38.3	57.5
103	55.6	44.6	67.0





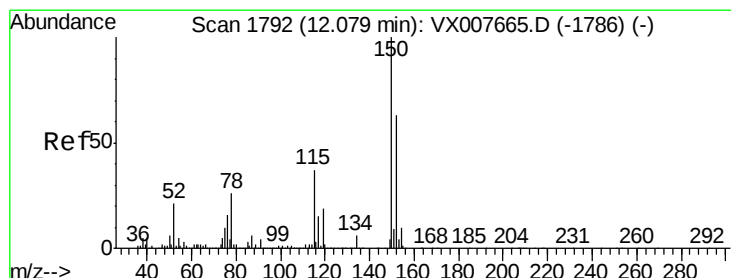
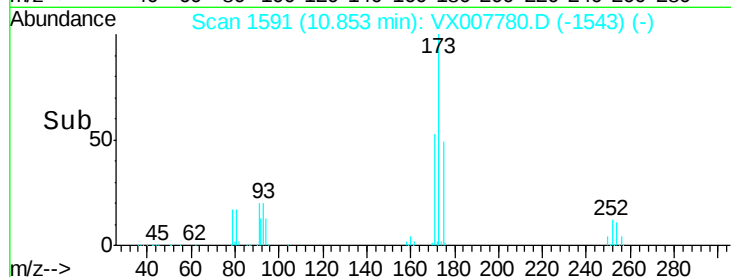
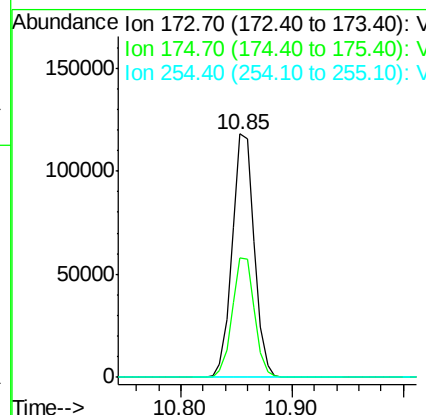
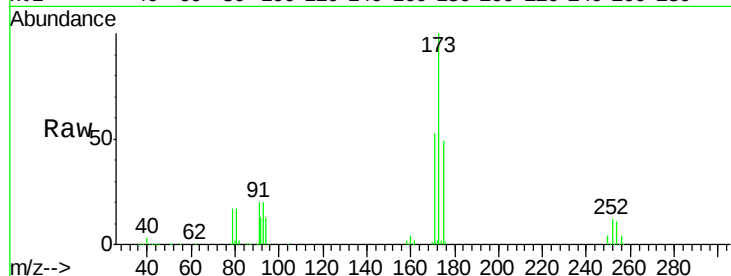
#71
Bromoform
Concen: 61.007 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.2	72.6
254	0.2	0.2	0.2

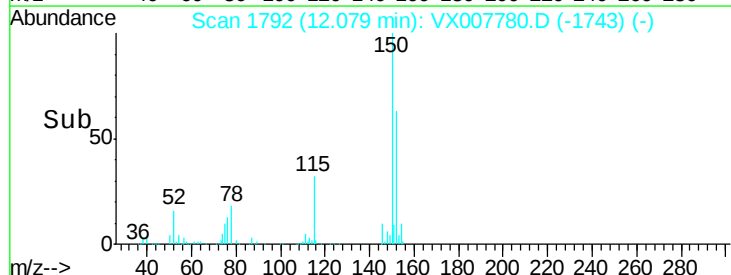
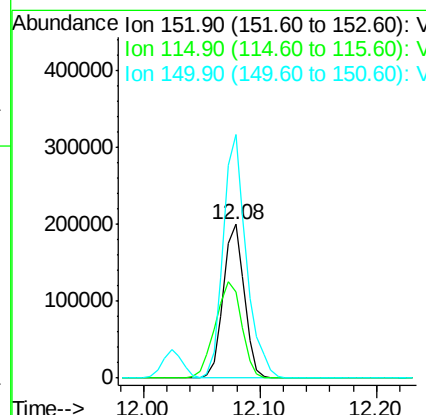
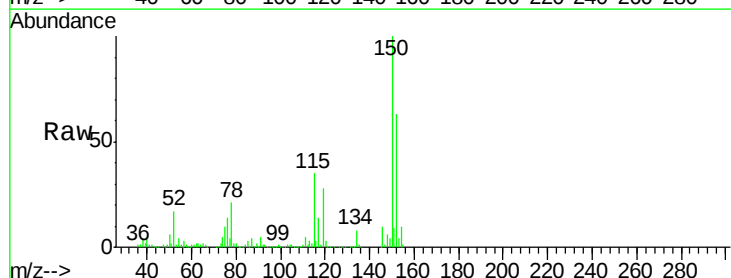
Manual Integrations
APPROVED

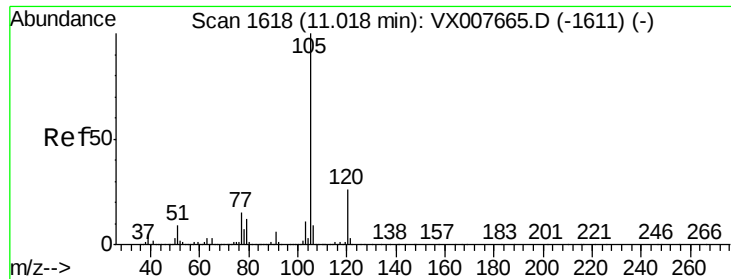
MMDadoda
3/4/2019 1:35:51 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	78.7	38.0	114.0
150	173.8	0.0	346.4





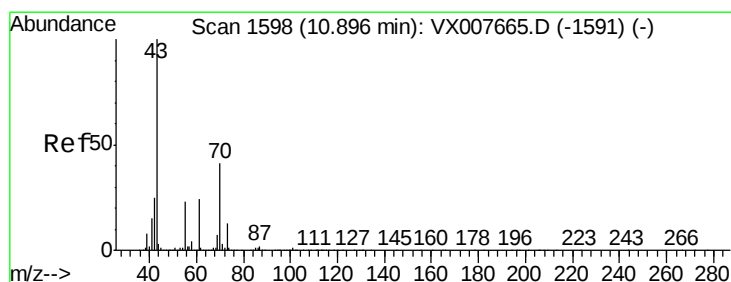
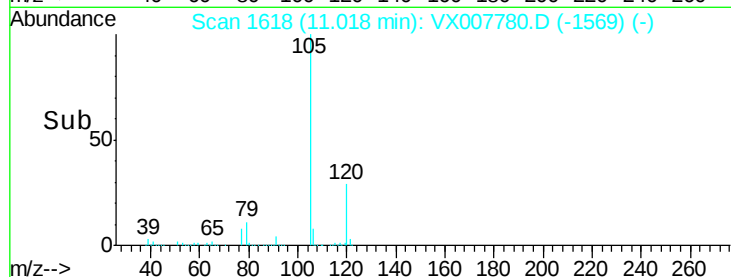
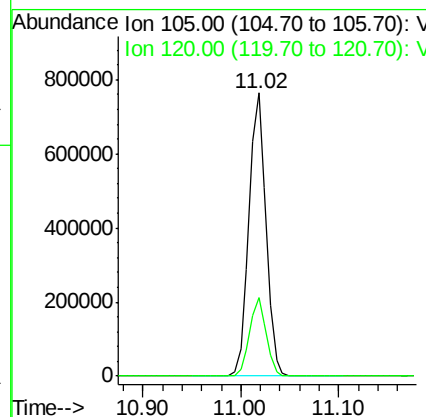
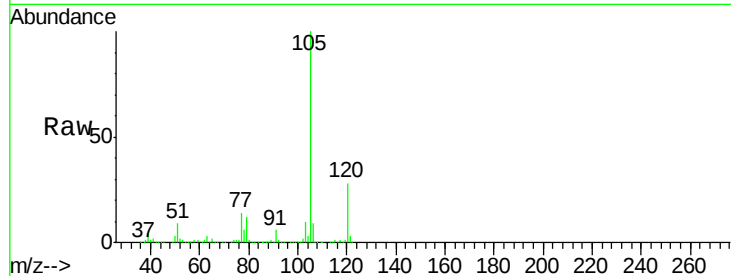
#73
Isopropylbenzene
Concen: 52.322 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.6	40.7

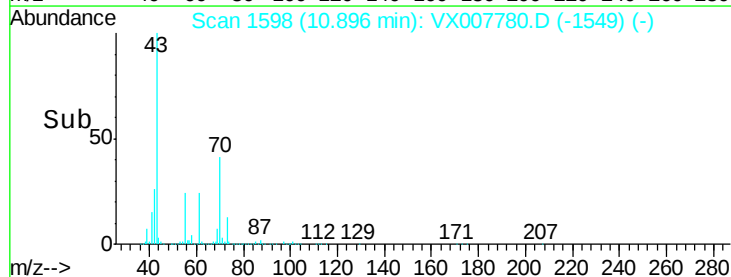
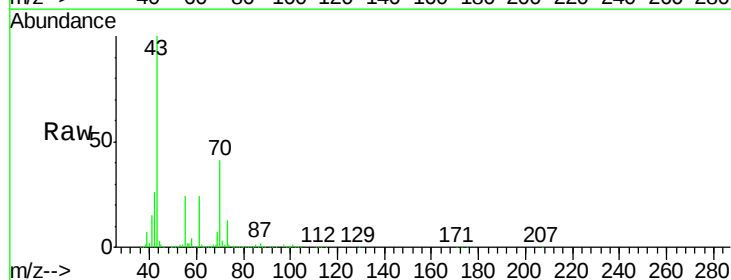
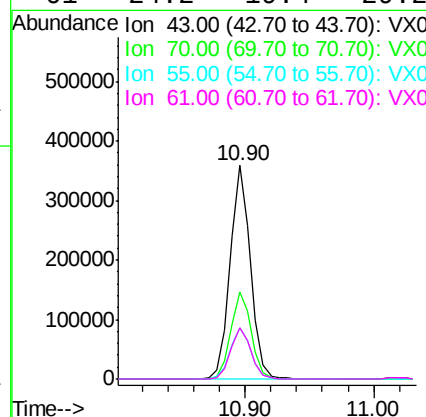
Manual Integrations
APPROVED

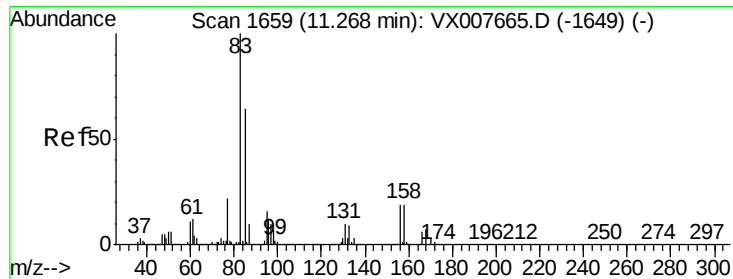
MMDadoda
3/4/2019 1:35:51 PM



#74
N-ethyl acetate
Concen: 51.884 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.6	33.8	50.6
55	24.6	19.5	29.3
61	24.2	19.4	29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 45.854 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007780.D

Acq: 01 Mar 2019 10:30

Instrument :

MSVOA_X

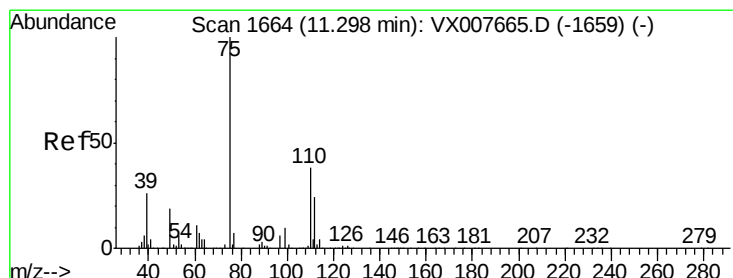
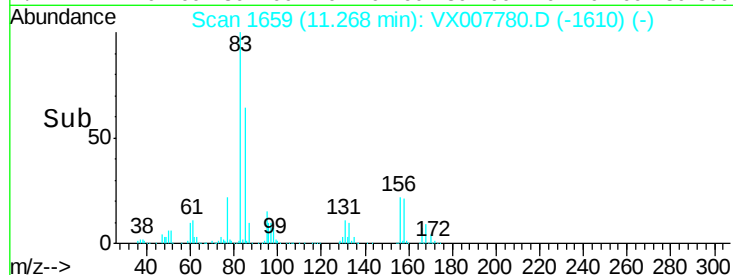
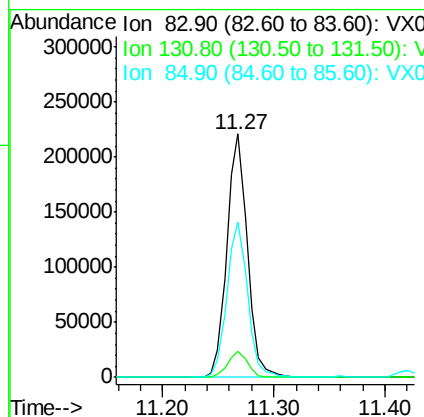
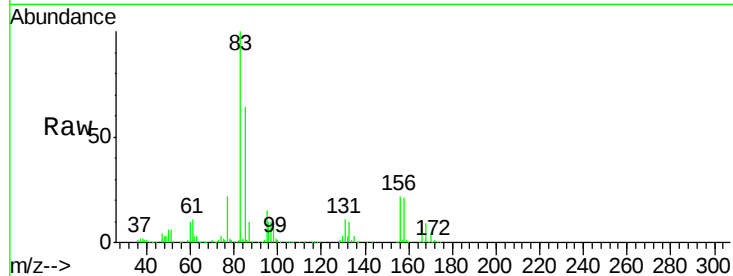
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	280694
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.7	17.0
85	64.6	32.8	98.3

Manual Integrations
APPROVED

MMDadoda
3/4/2019 1:35:51 PM



#76

1,2,3-Trichloropropane

Concen: 45.118 ug/l m

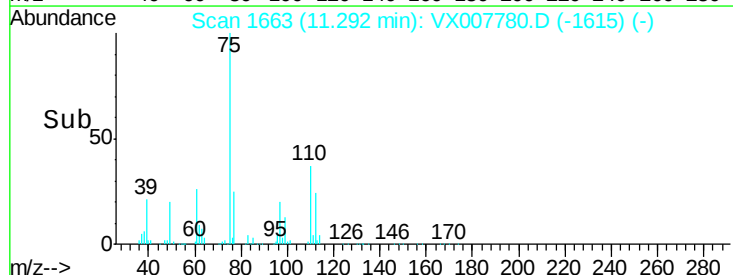
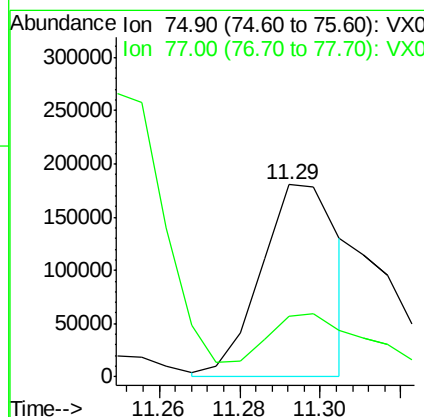
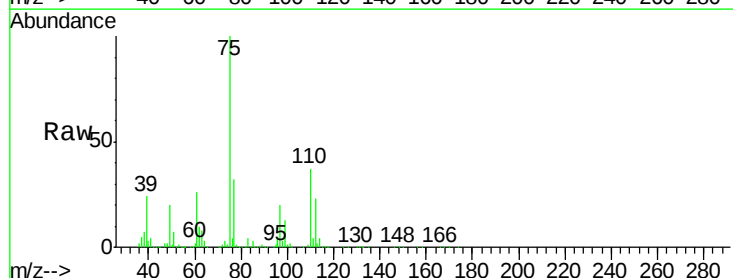
RT: 11.29 min Scan# 1663

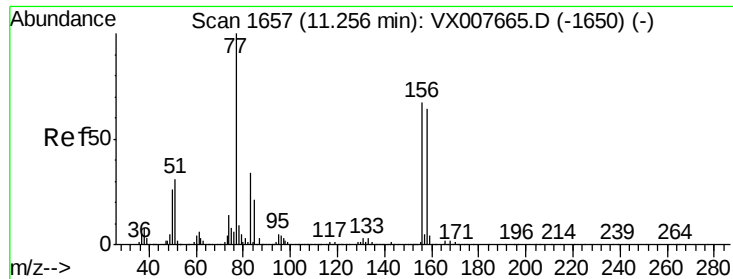
Delta R.T. -0.01 min

Lab File: VX007780.D

Acq: 01 Mar 2019 10:30

Tgt Ion:	75	Resp:	238157
Ion Ratio	Lower	Upper	
75	100		
77	46.0	23.0	69.0





#77

Bromobenzene

Concen: 54.220 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007780.D

Acq: 01 Mar 2019 10:30

Instrument :

MSVOA_X

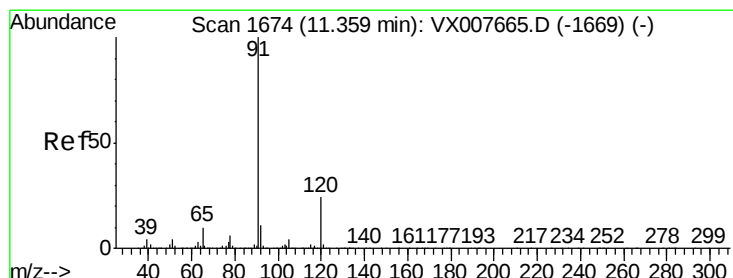
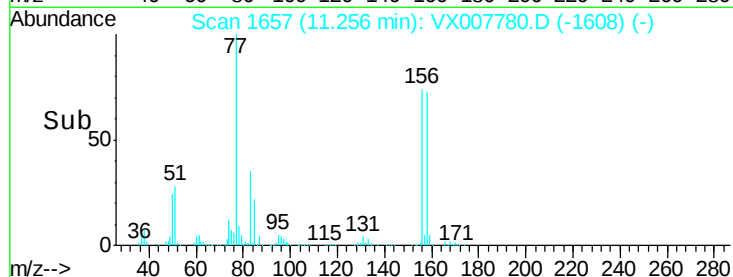
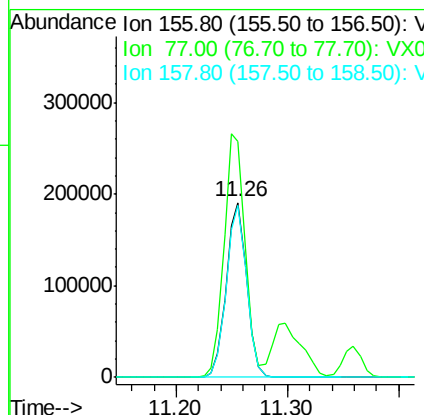
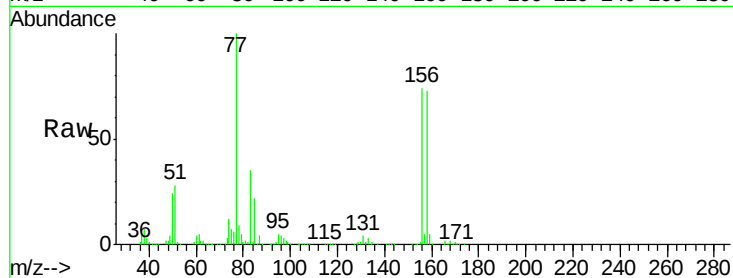
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	240695
Ion Ratio	Lower	Upper	
156	100		
77	143.5	66.8	200.6
158	98.0	47.9	143.8

Manual Integrations
APPROVED

MMDadoda
3/4/2019 1:35:51 PM



#78

n-propylbenzene

Concen: 52.658 ug/l

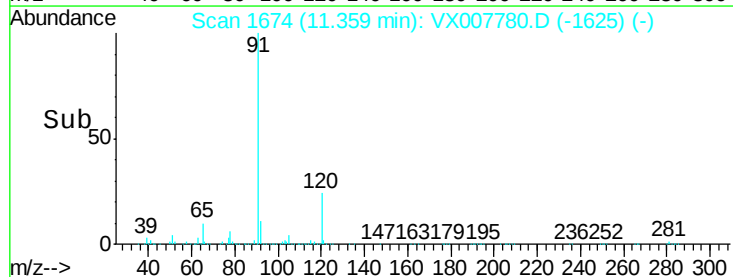
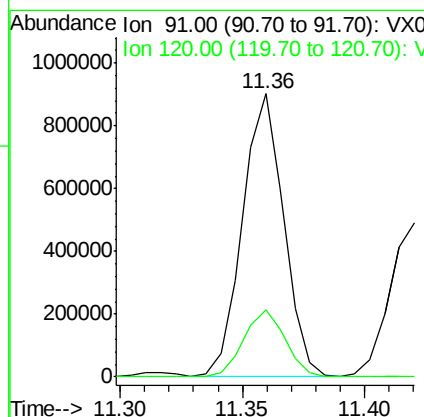
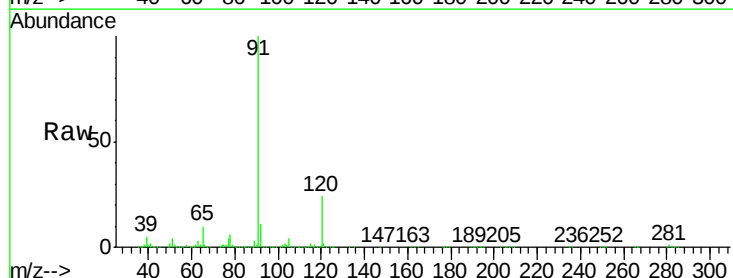
RT: 11.36 min Scan# 1674

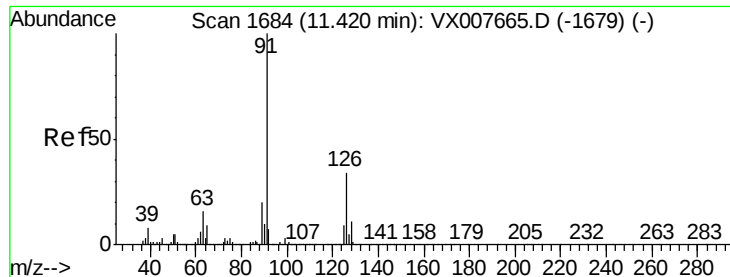
Delta R.T. 0.00 min

Lab File: VX007780.D

Acq: 01 Mar 2019 10:30

Tgt Ion:	91	Resp:	1053153
Ion Ratio	Lower	Upper	
91	100		
120	24.0	12.4	37.2





#79

2-Chlorotoluene

Concen: 50.657 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007780.D

Acq: 01 Mar 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 610031

Ion Ratio Lower Upper

91 100

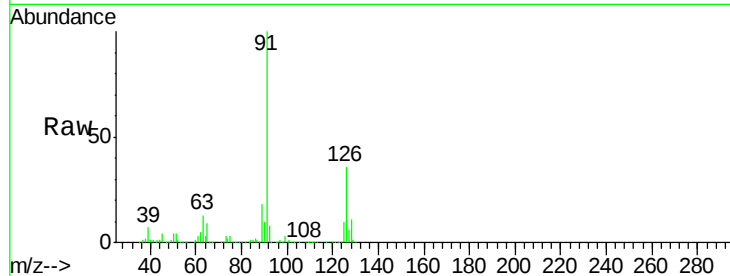
126 35.4 18.7 56.1

Manual Integrations

APPROVED

MMDadoda

3/4/2019 1:35:51 PM



Abundance Ion 91.00 (90.70 to 91.70): VX007665.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX007665.D (-1679) (-)

1000000

800000

600000

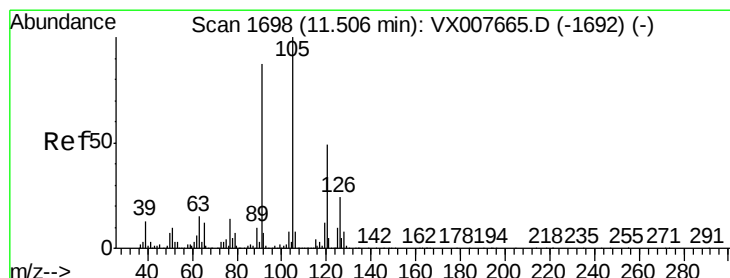
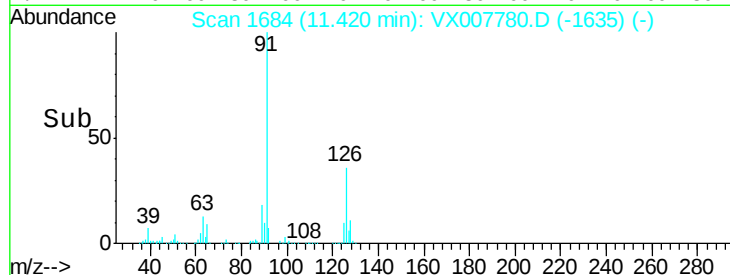
400000

200000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.450 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007780.D

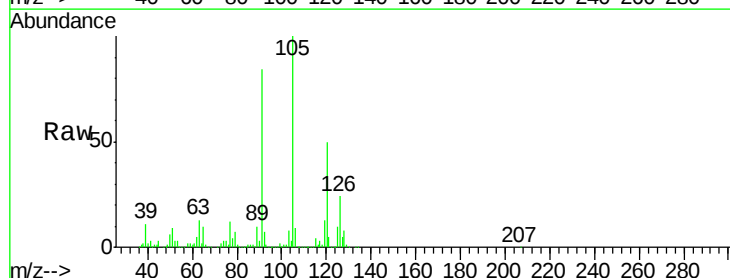
Acq: 01 Mar 2019 10:30

Tgt Ion: 105 Resp: 763582

Ion Ratio Lower Upper

105 100

120 49.7 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VX007665.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX007665.D (-1692) (-)

600000

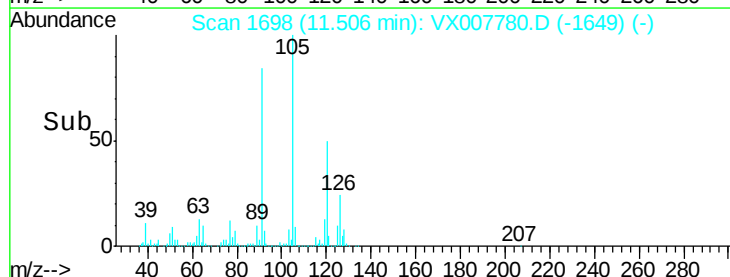
400000

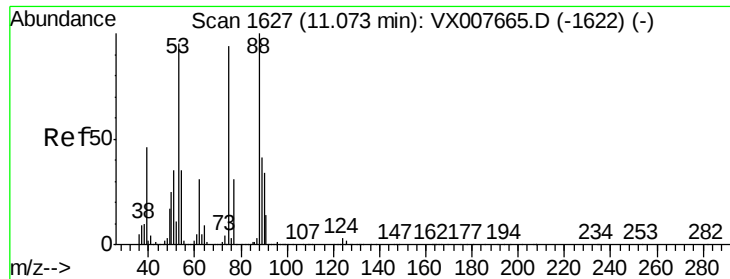
200000

0

11.50 11.51 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 47.009 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007780.D

Acq: 01 Mar 2019 10:30

Instrument :

MSVOA_X

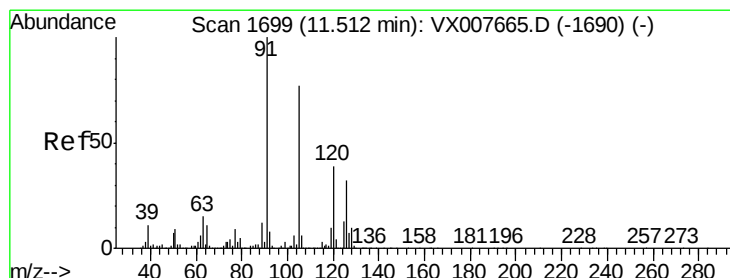
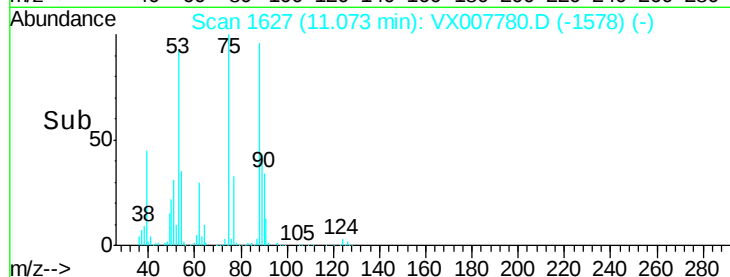
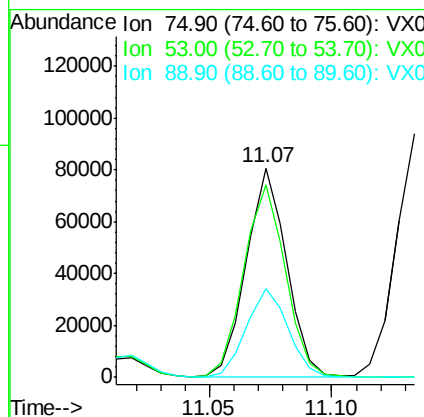
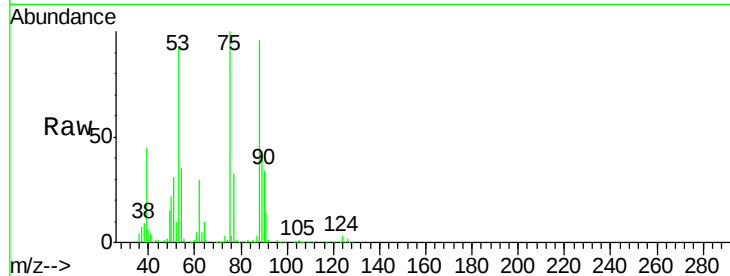
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	92221
Ion	Ratio	Lower	Upper
75	100		
53	96.0	81.0	121.6
89	44.5	41.4	62.0

Manual Integrations
APPROVED

MMDadoda
3/4/2019 1:35:51 PM



#82

4-Chlorotoluene

Concen: 50.511 ug/l

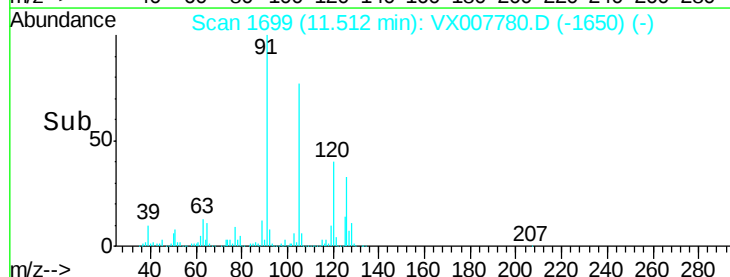
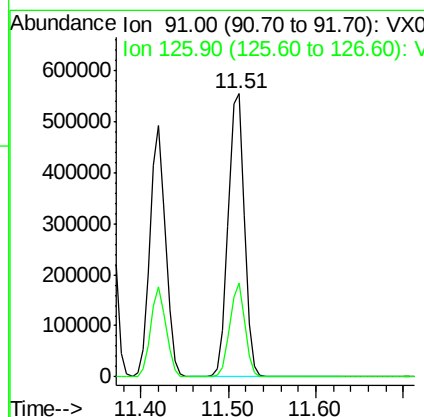
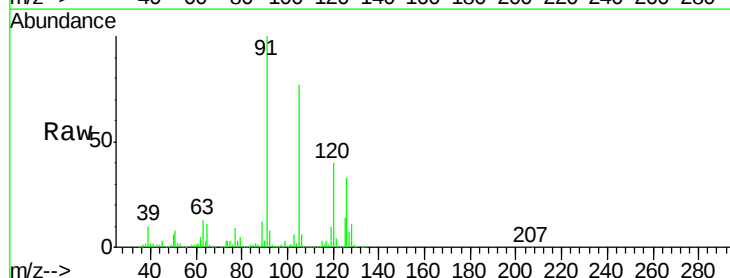
RT: 11.51 min Scan# 1699

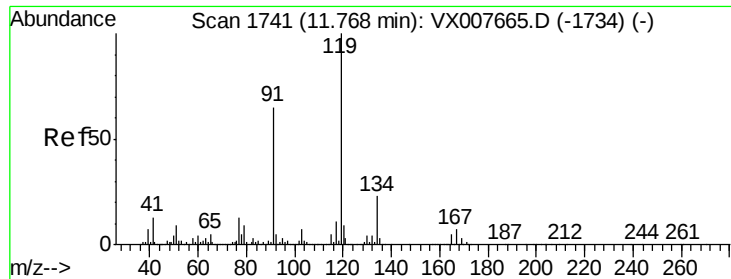
Delta R.T. 0.00 min

Lab File: VX007780.D

Acq: 01 Mar 2019 10:30

Tgt Ion:	91	Resp:	711577
Ion	Ratio	Lower	Upper
91	100		
126	31.1	16.2	48.5





#83

tert-Butylbenzene

Concen: 53.986 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX007780.D

Acq: 01 Mar 2019 10:30

Instrument :

MSVOA_X

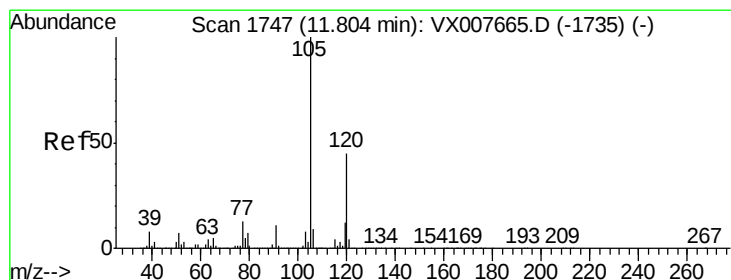
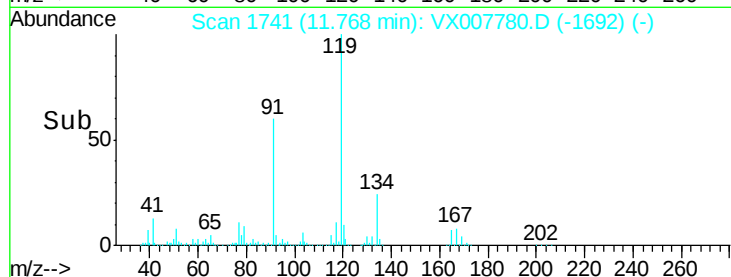
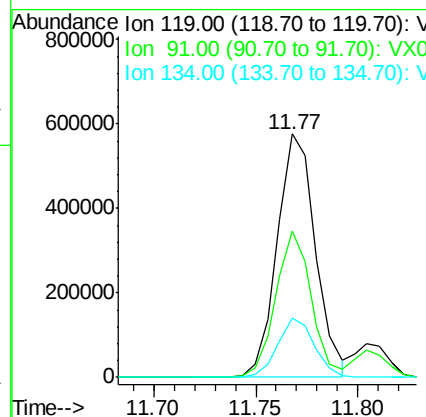
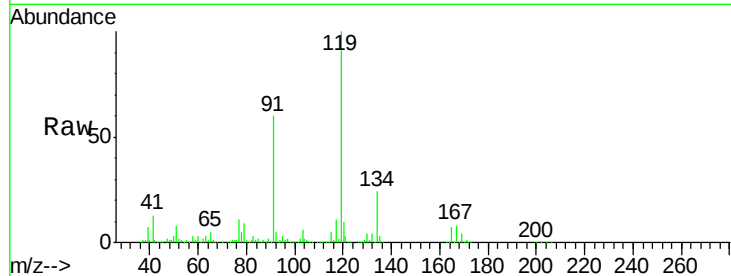
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	754611
Ion Ratio	Lower	Upper	
119	100		
91	56.0	28.5	85.6
134	23.4	12.0	36.0

Manual Integrations
APPROVED

MMDadoda
3/4/2019 1:35:51 PM



#84

1,2,4-Trimethylbenzene

Concen: 52.169 ug/l

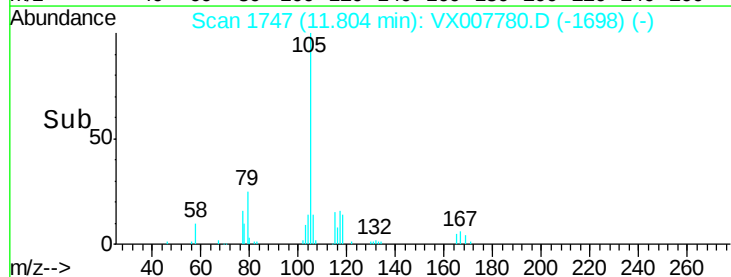
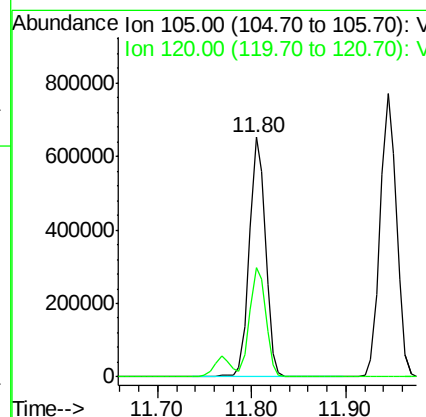
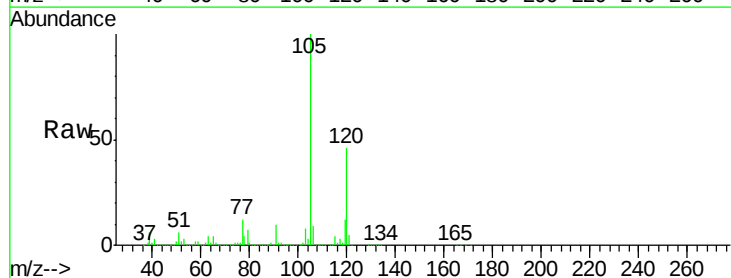
RT: 11.80 min Scan# 1747

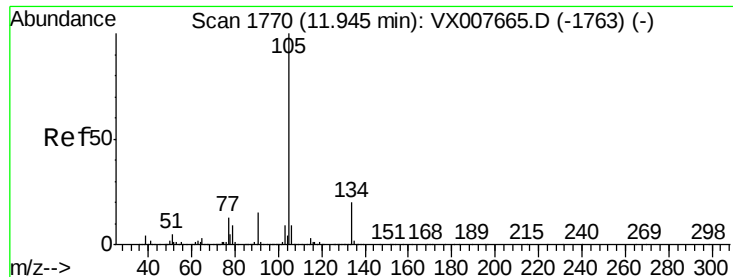
Delta R.T. 0.00 min

Lab File: VX007780.D

Acq: 01 Mar 2019 10:30

Tgt Ion:	105	Resp:	776890
Ion Ratio	Lower	Upper	
105	100		
120	45.6	23.1	69.3





#85

sec-Butylbenzene

Concen: 53.231 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007780.D

Acq: 01 Mar 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 932388

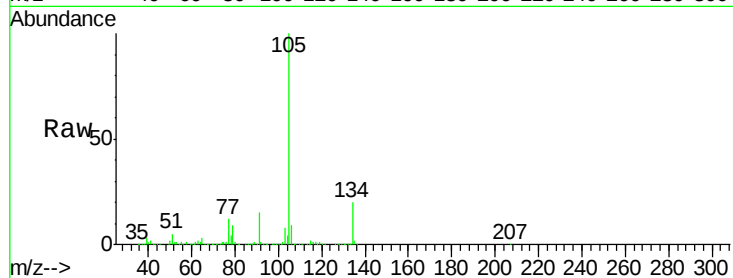
Ion Ratio Lower Upper

105 100

134 20.6 10.6 31.8

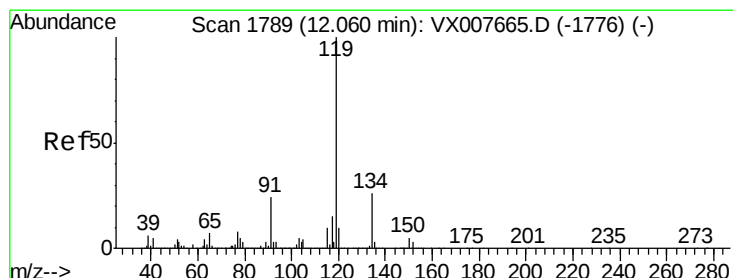
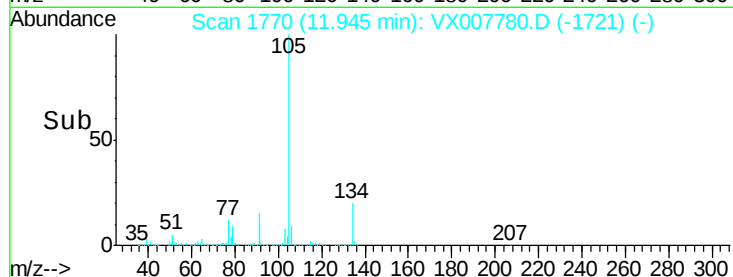
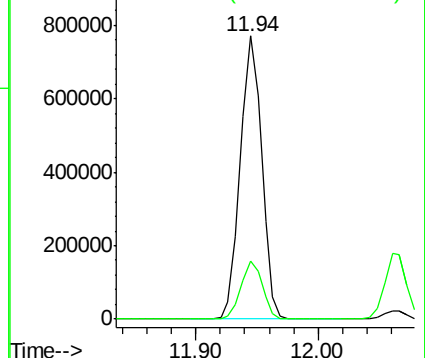
Manual Integrations
APPROVED

MMDadoda
3/4/2019 1:35:51 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.989 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007780.D

Acq: 01 Mar 2019 10:30

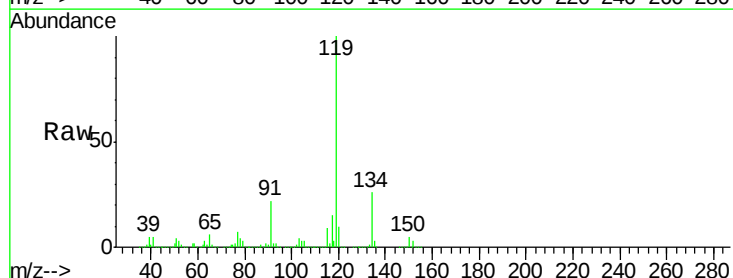
Tgt Ion:119 Resp: 843522

Ion Ratio Lower Upper

119 100

134 26.4 13.7 41.1

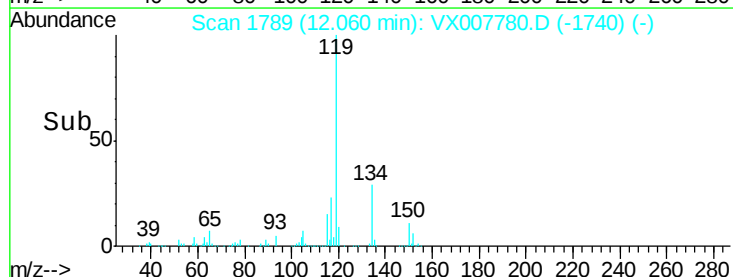
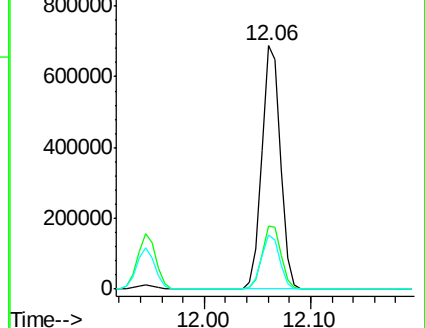
91 21.9 11.2 33.5

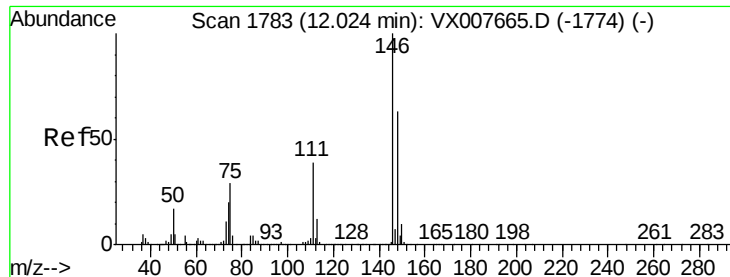


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.883 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX007780.D

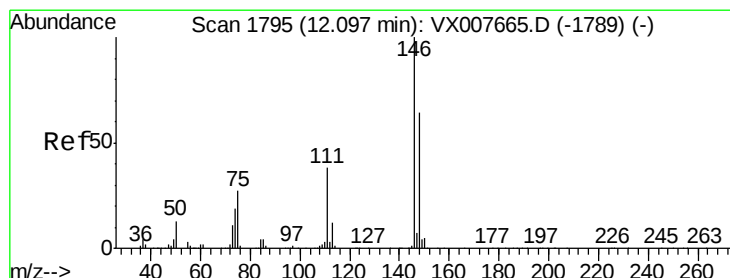
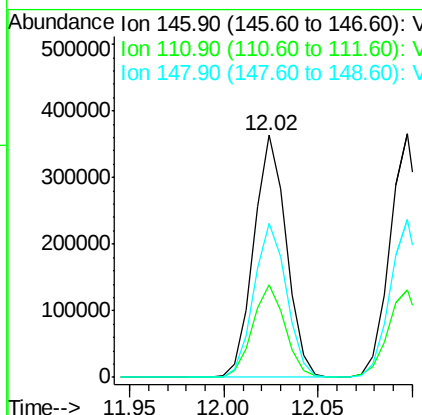
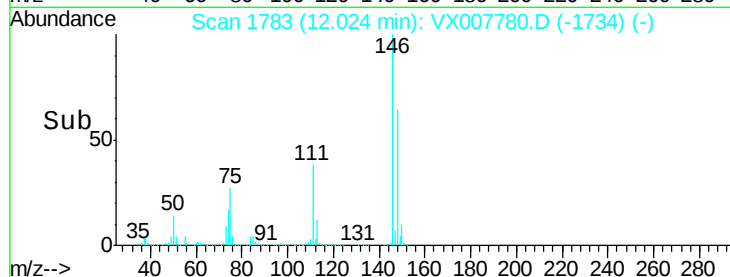
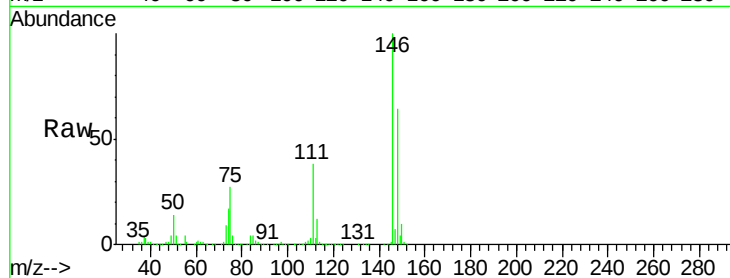
Acq: 01 Mar 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.1	54.1
148	64.0	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
3/4/2019 1:35:51 PM



#88

1,4-Dichlorobenzene

Concen: 51.636 ug/l

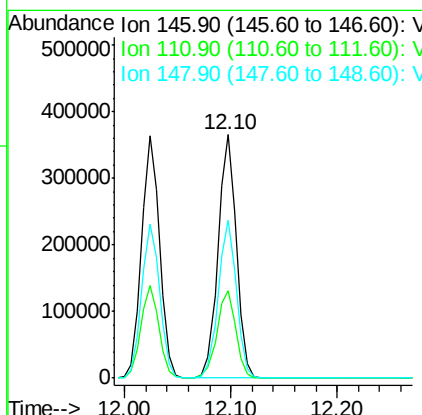
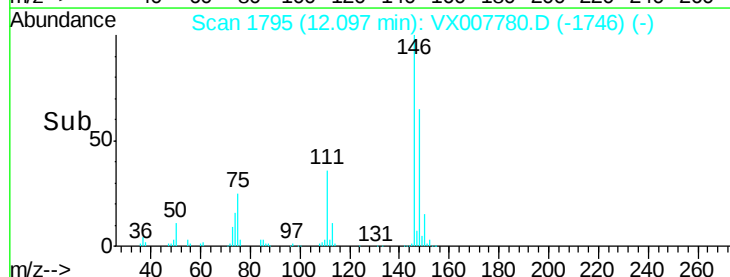
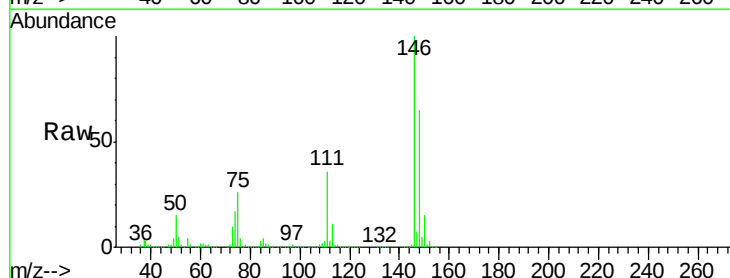
RT: 12.10 min Scan# 1795

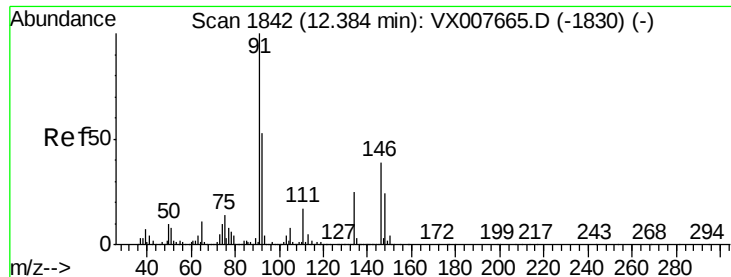
Delta R.T. 0.00 min

Lab File: VX007780.D

Acq: 01 Mar 2019 10:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.1	54.1
148	64.7	32.3	96.9





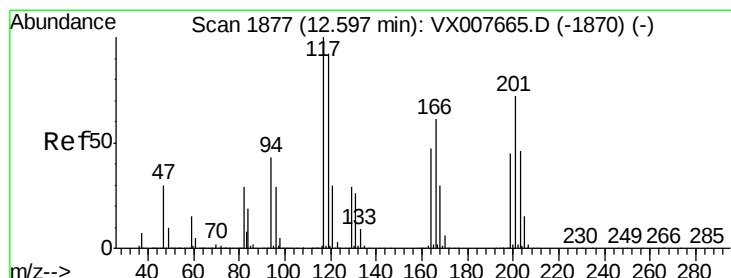
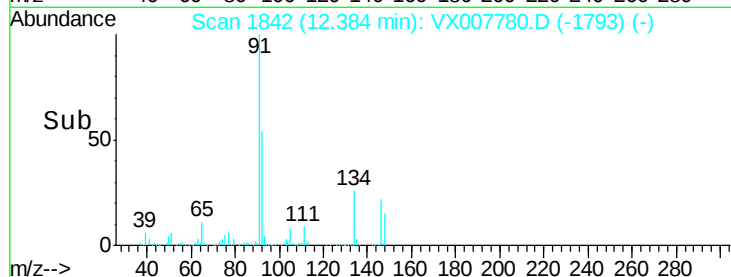
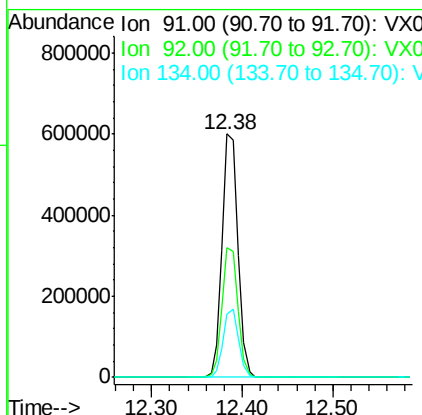
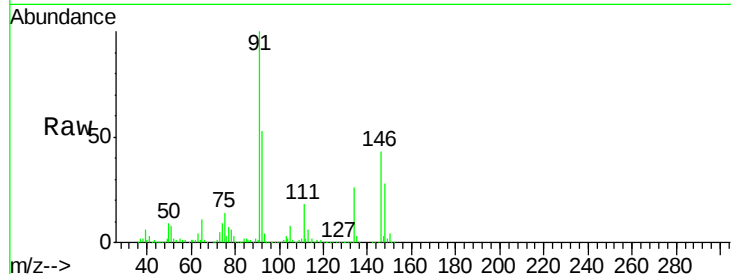
#89
n-Butylbenzene
Concen: 53.531 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.3	78.9
134	27.3	13.9	41.6

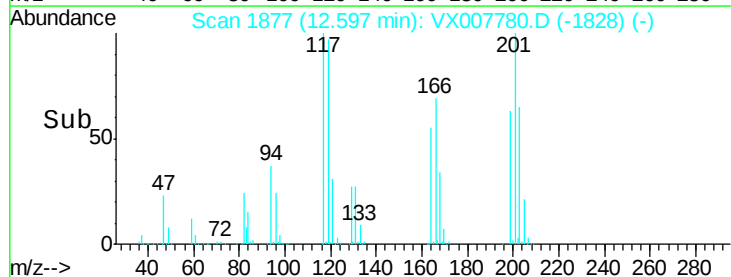
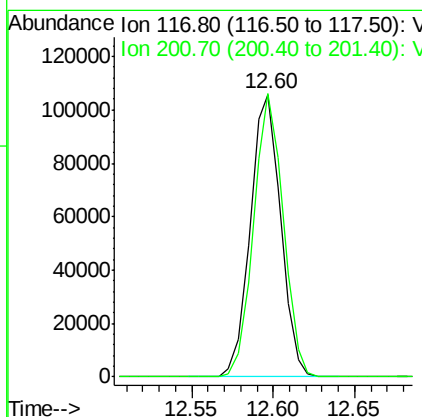
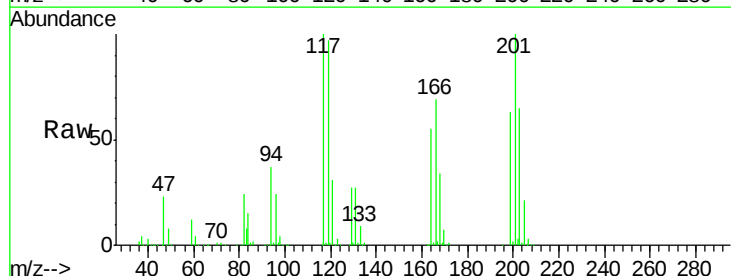
Manual Integrations
APPROVED

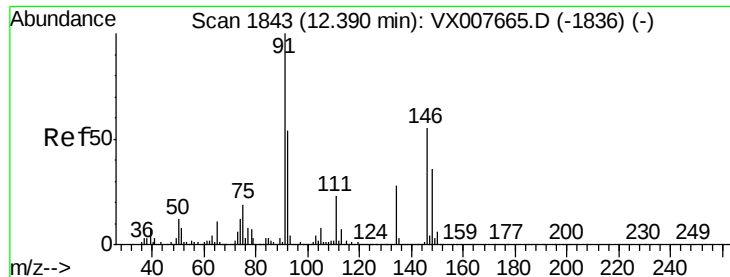
MMDadoda
3/4/2019 1:35:51 PM



#90
Hexachloroethane
Concen: 53.073 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.5	44.9	134.7





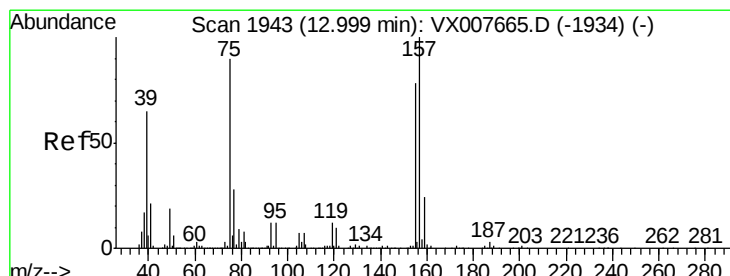
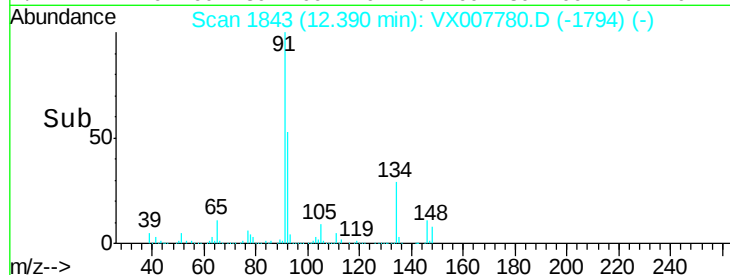
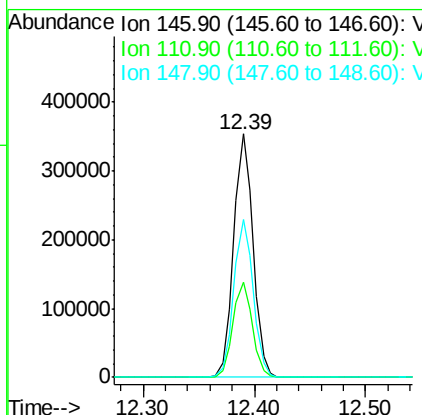
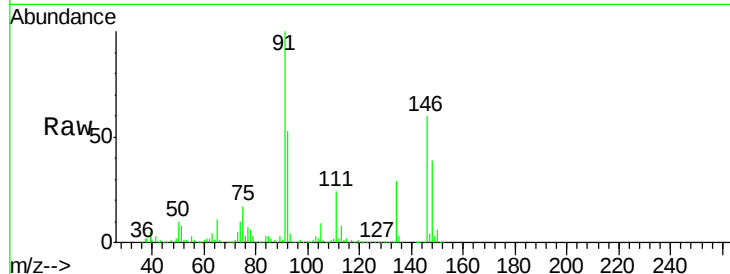
#91
 1,2-Dichlorobenzene
 Concen: 51.772 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007780.D
 Acq: 01 Mar 2019 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	426550		
111	39.0	19.1	57.3	
148	64.7	32.1	96.3	

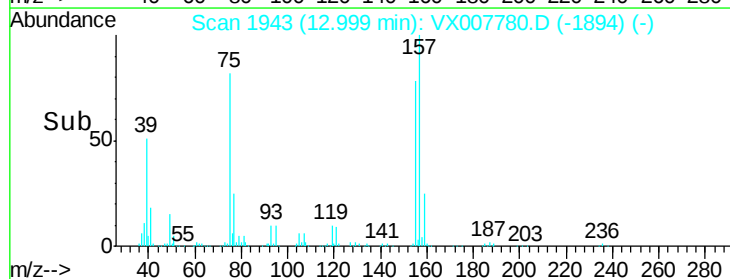
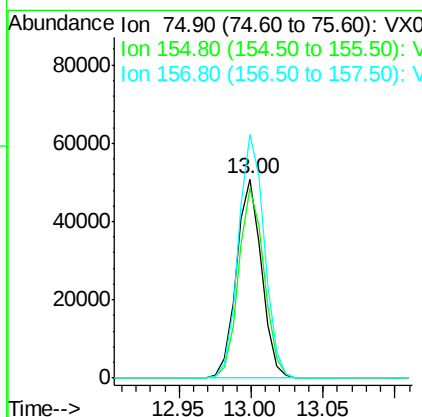
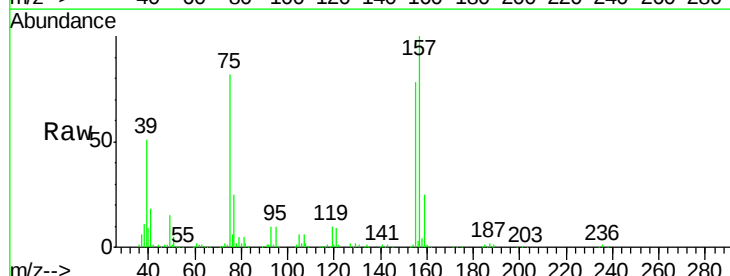
Manual Integrations
 APPROVED

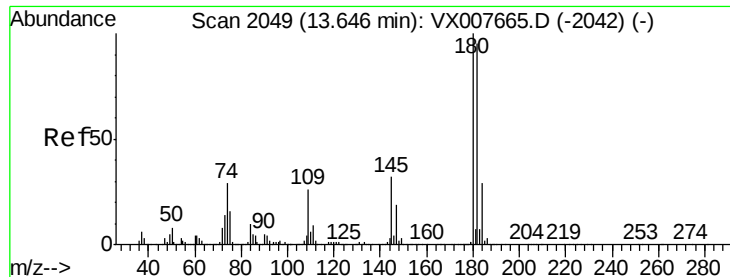
MMDadoda
 3/4/2019 1:35:51 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.377 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007780.D
 Acq: 01 Mar 2019 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	61857		
155	96.5	49.6	149.0	
157	125.0	65.1	195.3	





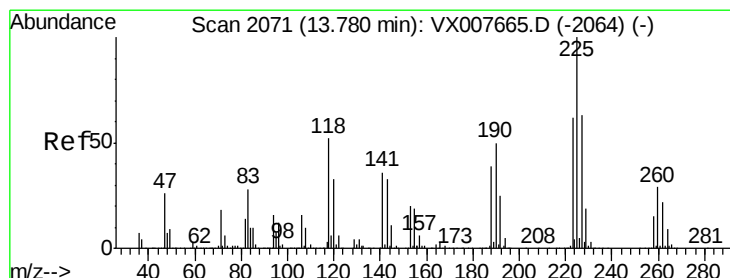
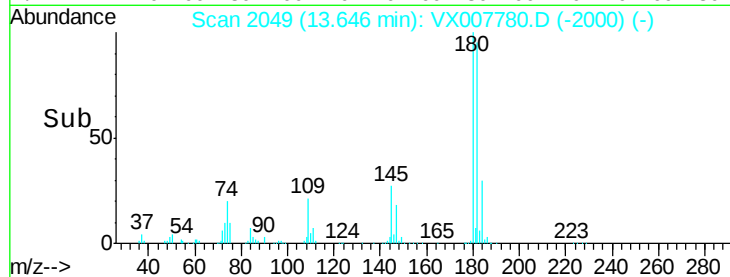
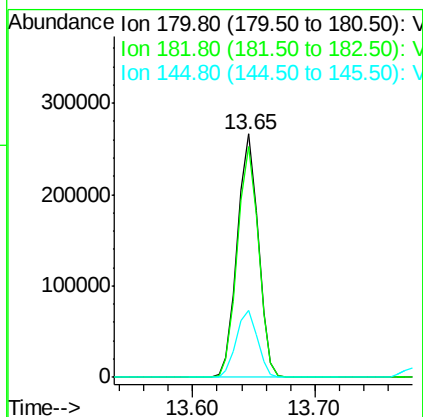
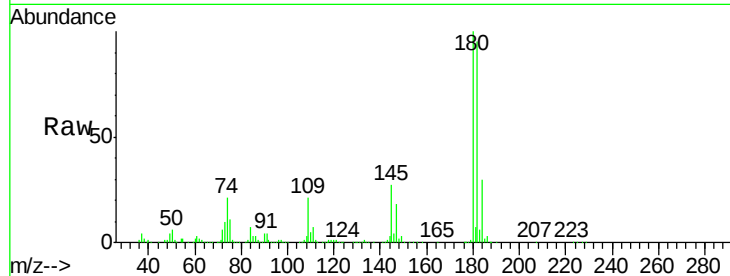
#93
1,2,4-Trichlorobenzene
Concen: 62.357 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.4	47.8	143.3	
145	27.9	14.1	42.2	

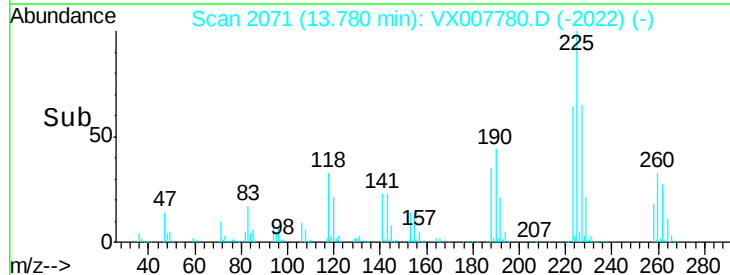
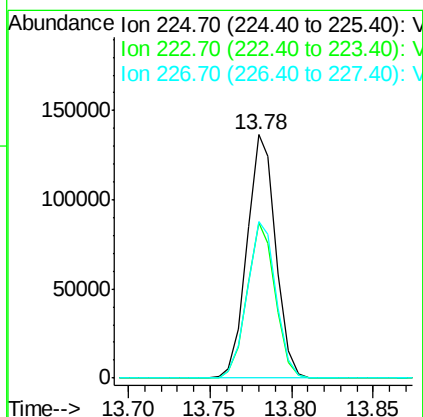
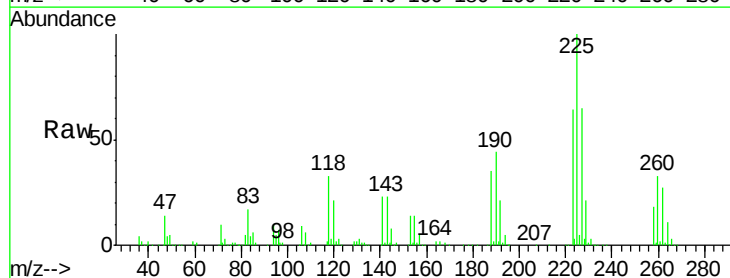
Manual Integrations
APPROVED

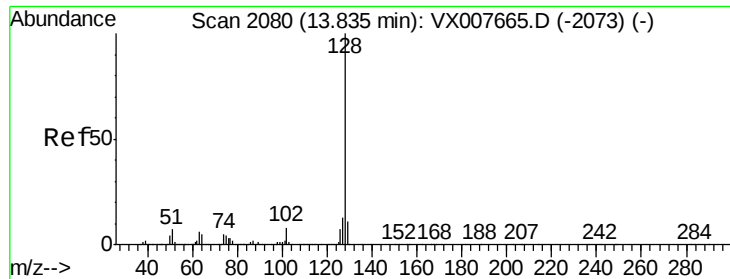
MMDadoda
3/4/2019 1:35:51 PM



#94
Hexachlorobutadiene
Concen: 72.430 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	31.6	94.8	
227	64.8	32.1	96.3	





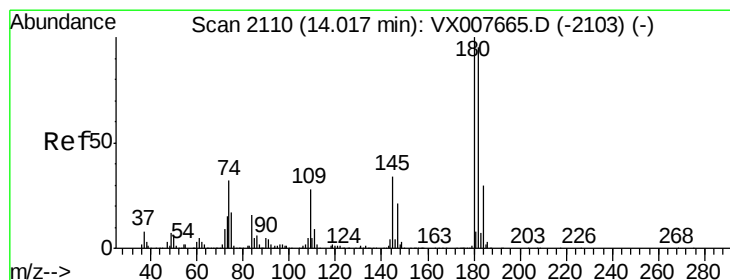
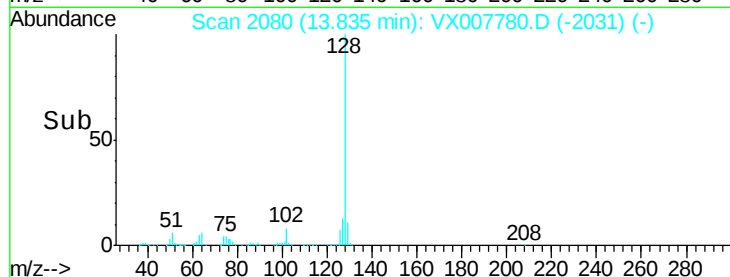
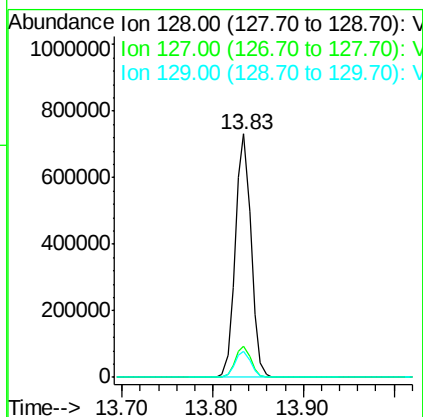
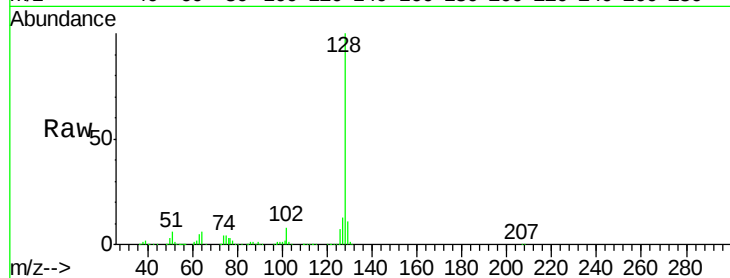
#95
Naphthalene
Concen: 54.590 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/4/2019 1:35:51 PM



#96
1,2,3-Trichlorobenzene
Concen: 61.435 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX007780.D
Acq: 01 Mar 2019 10:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.5	142.6
145	29.9	14.9	44.5

