

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041019\
 Data File : VX008820.D
 Acq On : 10 Apr 2019 21:22
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/11/2019 11:48:26 AM

Quant Time: Apr 11 08:07:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	162766	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	271082	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	241857	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	110212	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	116509	49.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.16%	
35) Dibromofluoromethane	5.49	113	85719	49.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.92%	
50) Toluene-d8	8.71	98	347218	50.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.62%	
62) 4-Bromofluorobenzene	11.13	95	123455	50.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.90%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	74916	39.986	ug/l	100
3) Chloromethane	1.32	50	106288	46.160	ug/l	99
4) Vinyl Chloride	1.40	62	105107	41.500	ug/l	98
5) Bromomethane	1.64	94	58121	46.713	ug/l	99
6) Chloroethane	1.71	64	62101	44.568	ug/l	98
7) Trichlorofluoromethane	1.92	101	120699	43.111	ug/l	99
8) Diethyl Ether	2.19	74	57664	43.432	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	78746	43.686	ug/l	98
10) Methyl Iodide	2.51	142	79279	48.428	ug/l	100
11) Tert butyl alcohol	3.05	59	128425	231.067	ug/l	100
12) 1,1-Dichloroethene	2.37	96	81838	43.491	ug/l	96
13) Acrolein	2.29	56	128099	464.816	ug/l	99
14) Allyl chloride	2.73	41	196088	45.520	ug/l	98
15) Acrylonitrile	3.14	53	337373	229.133	ug/l	99
16) Acetone	2.45	43	291249	212.999	ug/l	98
17) Carbon Disulfide	2.57	76	226599	41.577	ug/l	99
18) Methyl Acetate	2.77	43	157001	47.343	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	319089	47.483	ug/l	99
20) Methylene Chloride	2.85	84	100307	43.825	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	86858	42.674	ug/l	94
22) Diisopropyl ether	3.85	45	389780	46.946	ug/l	95
23) Vinyl Acetate	3.81	43	1710580	236.829	ug/l	99
24) 1,1-Dichloroethane	3.70	63	188824	45.934	ug/l	99
25) 2-Butanone	4.67	43	504250	233.322	ug/l	100
26) 2,2-Dichloropropane	4.59	77	124445	42.982	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	104526	44.667	ug/l	99
28) Bromochloromethane	5.01	49	100245	58.918	ug/l	99
29) Tetrahydrofuran	5.13	42	332457	231.771	ug/l	99
30) Chloroform	5.21	83	171438	46.693	ug/l	97
31) Cyclohexane	5.58	56	175680	42.830	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	138234	46.590	ug/l	100
36) 1,1-Dichloropropene	5.80	75	128788	43.462	ug/l	99
37) Ethyl Acetate	4.83	43	190247	48.100	ug/l	100
38) Carbon Tetrachloride	5.79	117	112608	45.915	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041019\
 Data File : VX008820.D
 Acq On : 10 Apr 2019 21:22
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/11/2019 11:48:26 AM

Quant Time: Apr 11 08:07:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	154227	42.133	ug/l	99
40) Benzene	6.14	78	404626	45.836	ug/l	99
41) Methacrylonitrile	5.04	41	108839	47.873	ug/l	98
42) 1,2-Dichloroethane	6.19	62	144915	45.790	ug/l	100
43) Isopropyl Acetate	6.45	43	297789	48.062	ug/l	99
44) Trichloroethene	7.21	130	93651	45.549	ug/l	100
45) 1,2-Dichloropropane	7.51	63	117122	46.484	ug/l	100
46) Dibromomethane	7.66	93	65665	44.934	ug/l	98
47) Bromodichloromethane	7.90	83	131460	47.710	ug/l	99
48) Methyl methacrylate	7.77	41	151746	48.416	ug/l	98
49) 1,4-Dioxane	7.74	88	53986	919.498	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	978072	245.221	ug/l	99
52) Toluene	8.78	92	242879	46.668	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	149784	48.529	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	166955	47.340	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	99498	47.628	ug/l	99
56) Ethyl methacrylate	9.18	69	185343	49.035	ug/l	99
57) 1,3-Dichloropropane	9.37	76	177356	47.279	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	494181	256.046	ug/l	100
59) 2-Hexanone	9.49	43	725220	233.966	ug/l	100
60) Dibromochloromethane	9.58	129	97861	49.711	ug/l	100
61) 1,2-Dibromoethane	9.67	107	101978	46.890	ug/l	99
64) Tetrachloroethene	9.34	164	83542	46.622	ug/l	98
65) Chlorobenzene	10.13	112	247732	46.208	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	89770	47.729	ug/l	99
67) Ethyl Benzene	10.25	91	462824	46.297	ug/l	100
68) m/p-Xylenes	10.36	106	332704	92.561	ug/l	99
69) o-Xylene	10.69	106	162551	46.664	ug/l	98
70) Styrene	10.71	104	285959	47.624	ug/l	100
71) Bromoform	10.85	173	70728	49.238	ug/l #	99
73) Isopropylbenzene	11.02	105	435375	47.667	ug/l	100
74) N-amyl acetate	10.90	43	253517	47.178	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	156135	44.948	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	137953m	45.565	ug/l	
77) Bromobenzene	11.26	156	104767	47.714	ug/l	98
78) n-propylbenzene	11.36	91	501440	47.150	ug/l	100
79) 2-Chlorotoluene	11.42	91	295432	45.905	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	362599	47.294	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	51933	47.283	ug/l	98
82) 4-Chlorotoluene	11.51	91	341556	45.849	ug/l	98
83) tert-Butylbenzene	11.77	119	347726	47.142	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	367298	47.313	ug/l	100
85) sec-Butylbenzene	11.94	105	415158	47.384	ug/l	99
86) p-Isopropyltoluene	12.06	119	374428	47.614	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	182193	46.350	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	181517	45.602	ug/l	99
89) n-Butylbenzene	12.38	91	347574	47.130	ug/l	100
90) Hexachloroethane	12.60	117	62816	48.161	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	179938	46.104	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34846	45.602	ug/l	99

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041019\
Data File : VX008820.D
Acq On : 10 Apr 2019 21:22
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

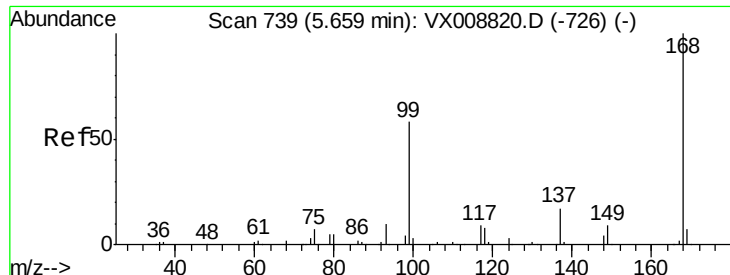
Manual Integrations
APPROVED

MMDadoda
4/11/2019 11:48:26 AM

Quant Time: Apr 11 08:07:49 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	124474	45.870	ug/l	98
94) Hexachlorobutadiene	13.78	225	61623	47.351	ug/l	98
95) Naphthalene	13.83	128	422330	46.566	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	127228	46.926	ug/l	98

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



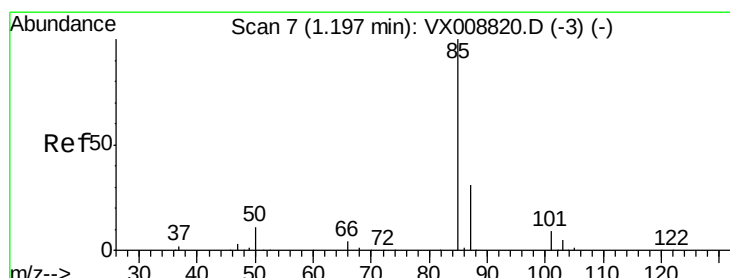
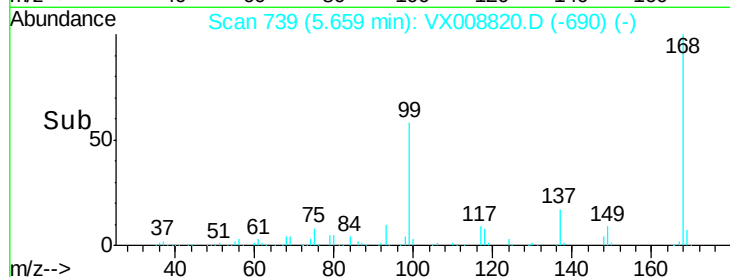
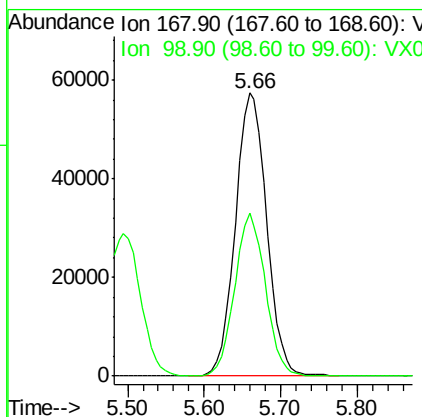
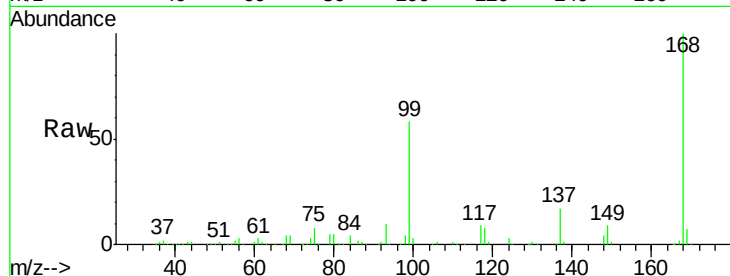
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.00 min
Lab File: VX008820.D
Acq: 10 Apr 2019 21:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:168 Resp: 162766
Ion Ratio Lower Upper
168 100
99 57.5 46.7 70.1

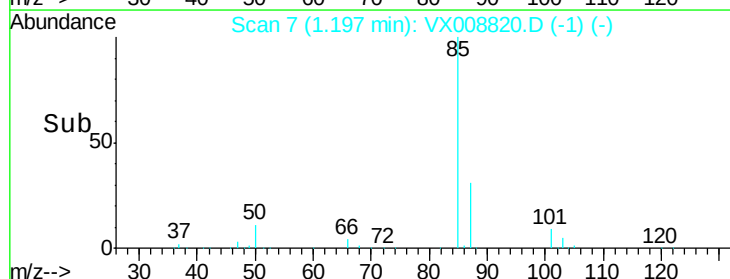
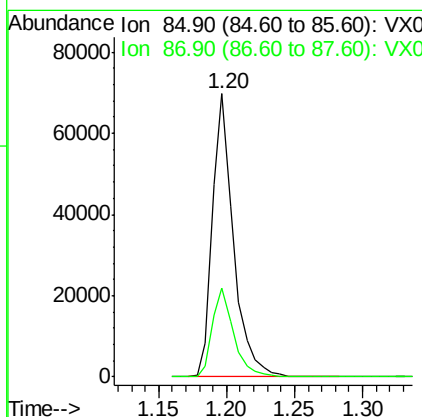
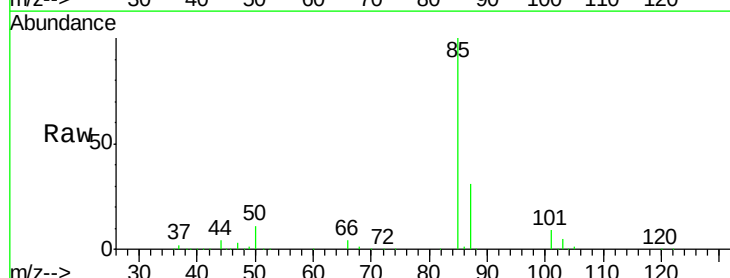
Manual Integrations
APPROVED

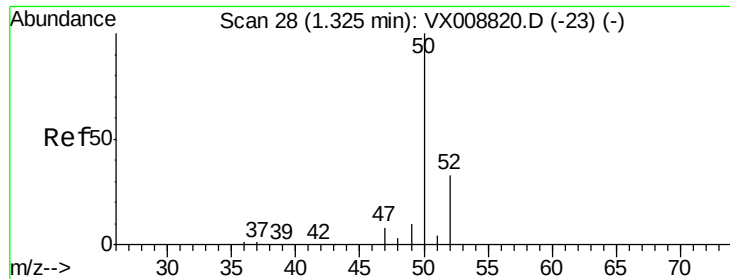
MMDadoda
4/11/2019 11:48:26 AM



#2
Dichlorodifluoromethane
Concen: 39.986 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX008820.D
Acq: 10 Apr 2019 21:22

Tgt Ion: 85 Resp: 74916
Ion Ratio Lower Upper
85 100
87 31.4 15.8 47.3





#3

Chloromethane

Concen: 46.160 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 106288

Ion Ratio Lower Upper

50 100

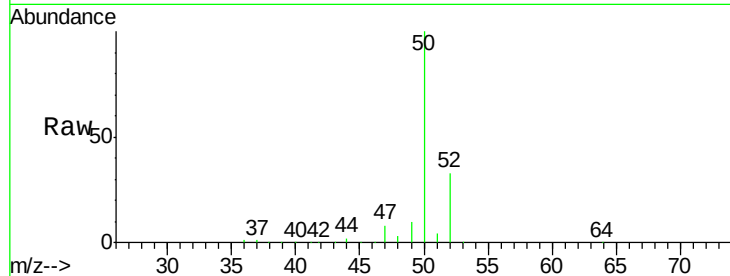
52 32.9 25.8 38.8

Manual Integrations

APPROVED

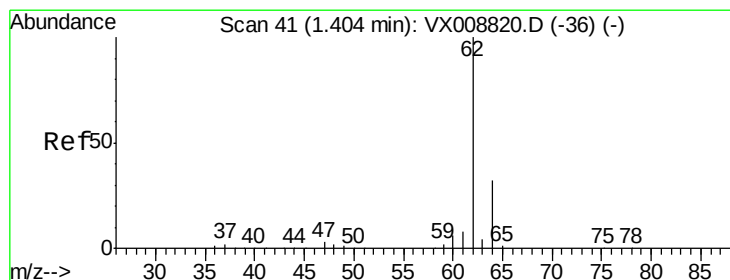
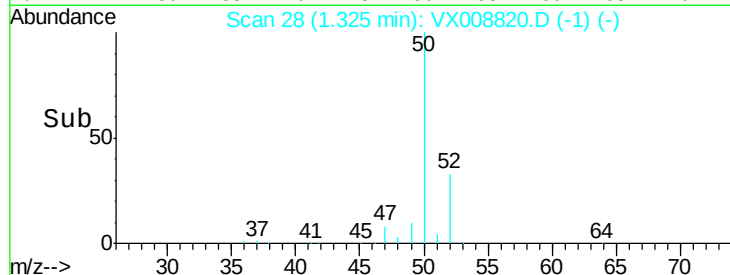
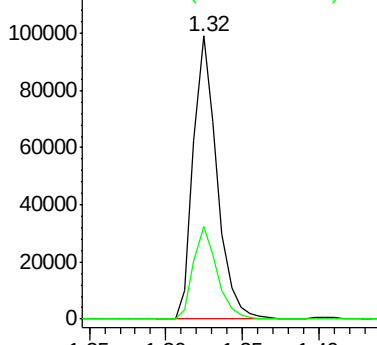
MMDadoda

4/11/2019 11:48:26 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 41.500 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX008820.D

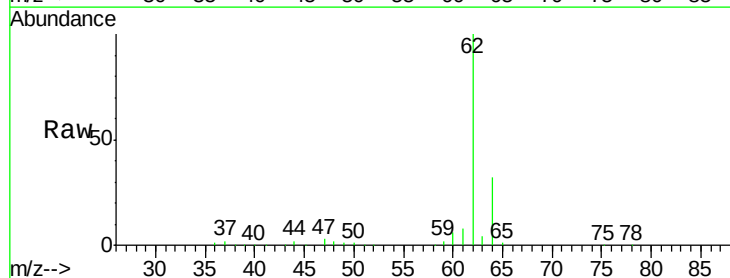
Acq: 10 Apr 2019 21:22

Tgt Ion: 62 Resp: 105107

Ion Ratio Lower Upper

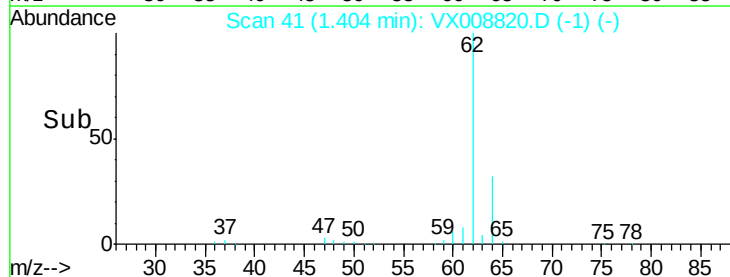
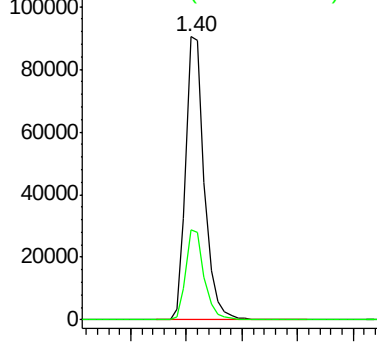
62 100

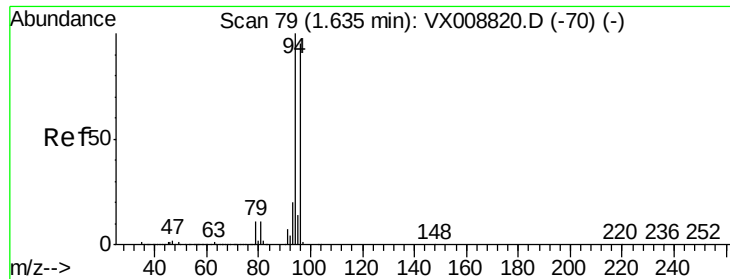
64 31.8 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 46.713 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 58121

Ion Ratio Lower Upper

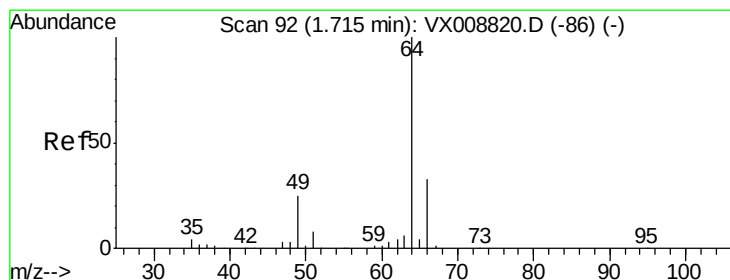
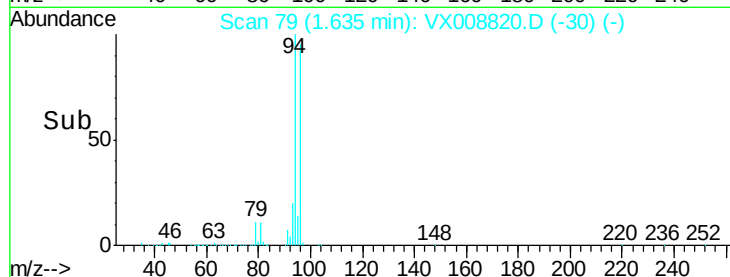
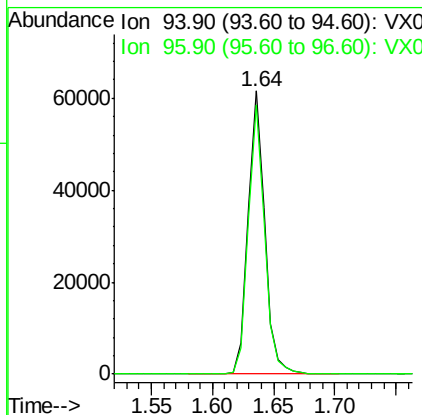
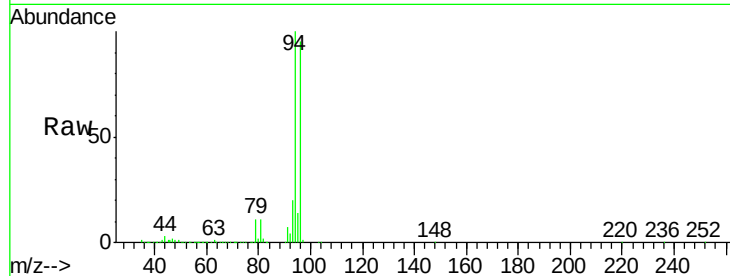
94 100

96 95.2 75.2 112.8

Manual Integrations
APPROVED

MMDadoda

4/11/2019 11:48:26 AM



#6

Chloroethane

Concen: 44.568 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008820.D

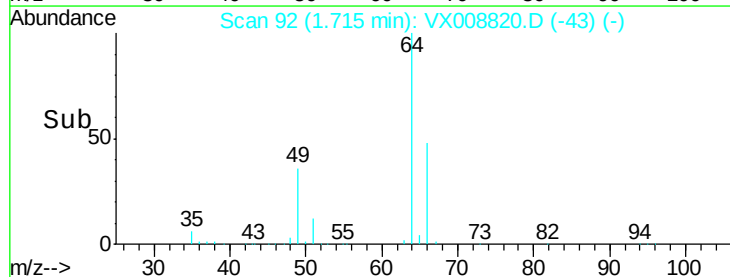
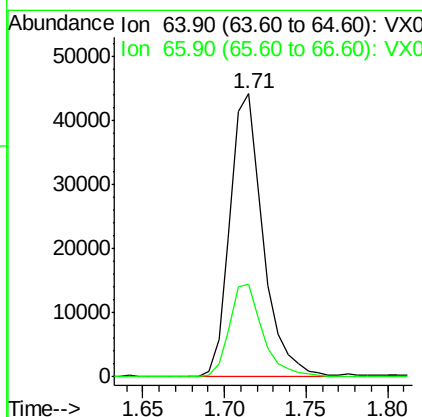
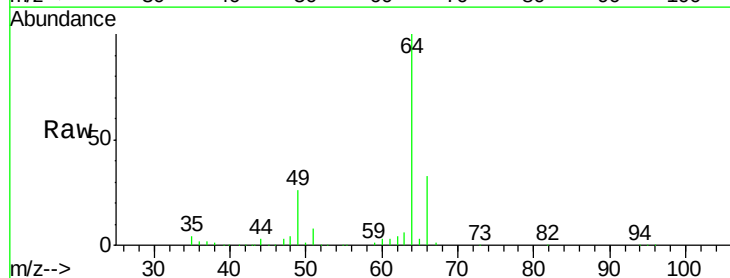
Acq: 10 Apr 2019 21:22

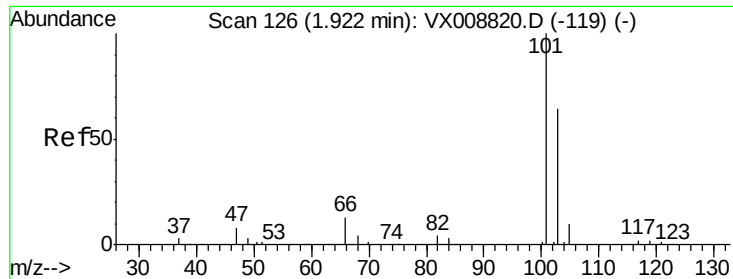
Tgt Ion: 64 Resp: 62101

Ion Ratio Lower Upper

64 100

66 33.0 25.4 38.0





#7

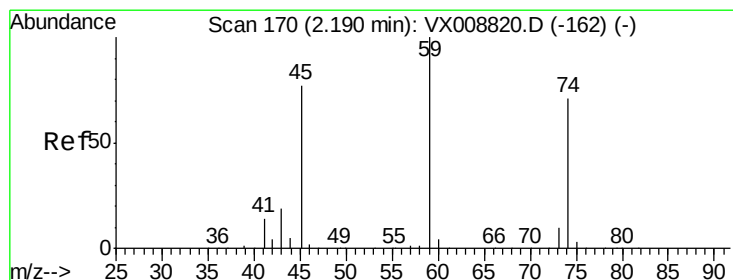
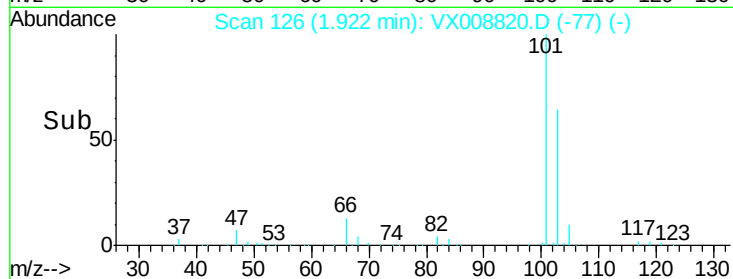
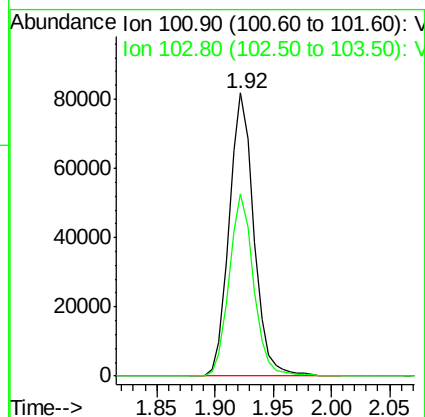
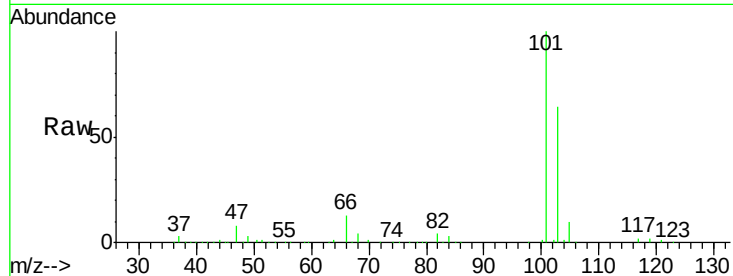
Trichlorofluoromethane
Concen: 43.111 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX008820.D
Acq: 10 Apr 2019 21:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.3	78.5

Manual Integrations
APPROVED

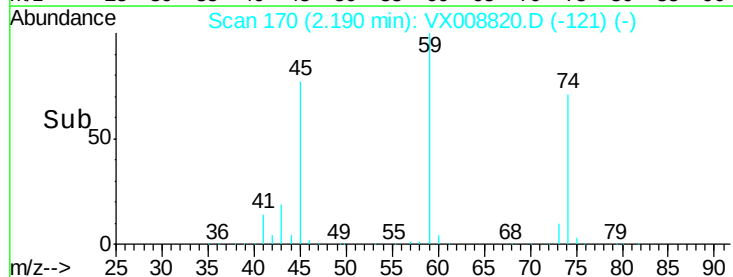
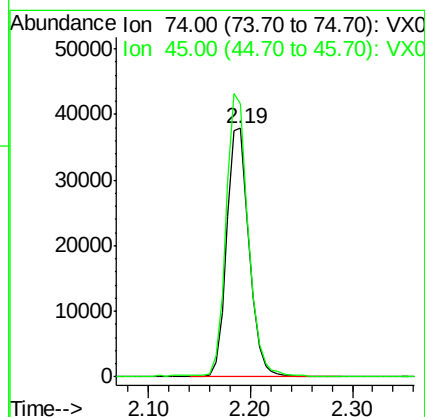
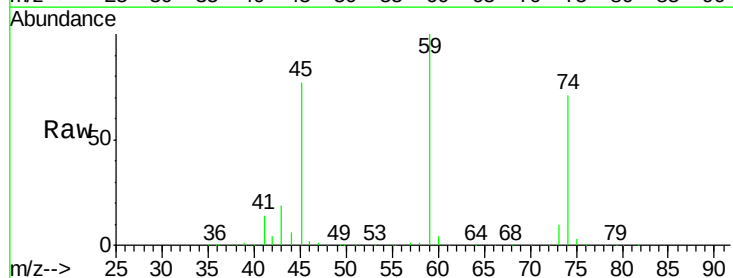
MMDadoda
4/11/2019 11:48:26 AM

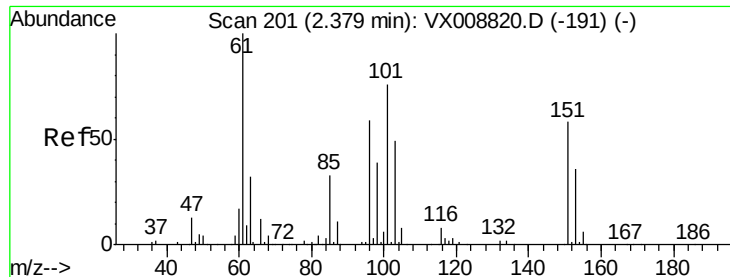


#8

Diethyl Ether
Concen: 43.432 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX008820.D
Acq: 10 Apr 2019 21:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.1	56.5	169.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.686 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

Instrument :

MSVOA_X

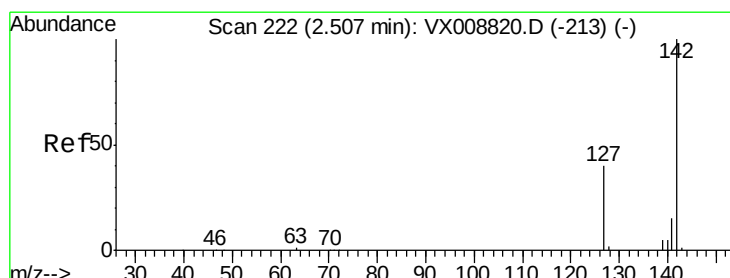
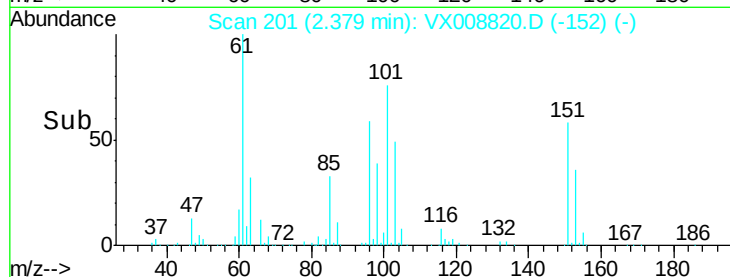
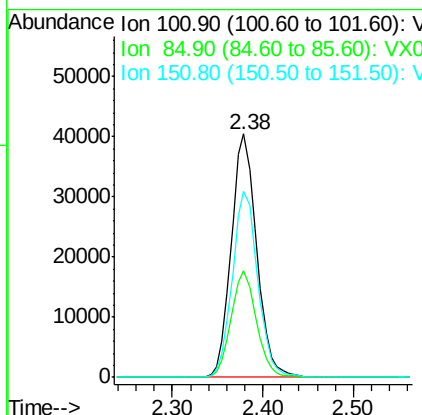
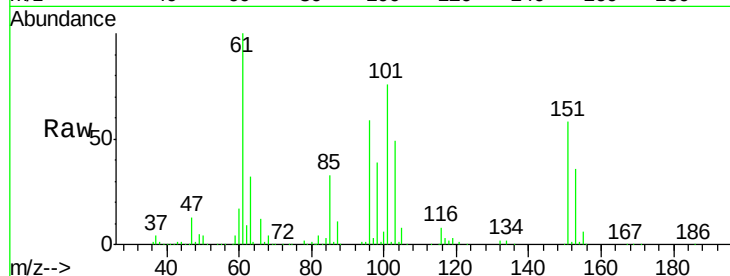
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	78746
Ion Ratio	Lower	Upper	
101	100		
85	43.9	36.0	54.0
151	76.8	59.9	89.9

Manual Integrations
APPROVED

MMDadoda
4/11/2019 11:48:26 AM



#10

Methyl Iodide

Concen: 48.428 ug/l

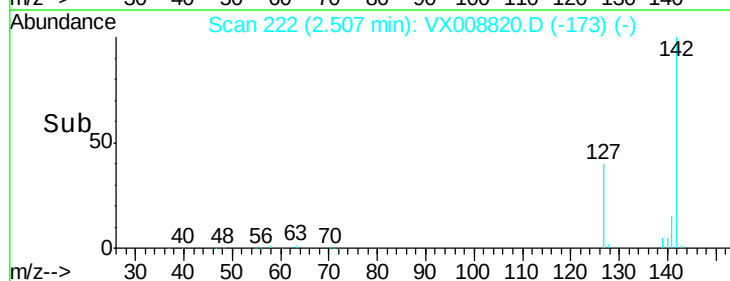
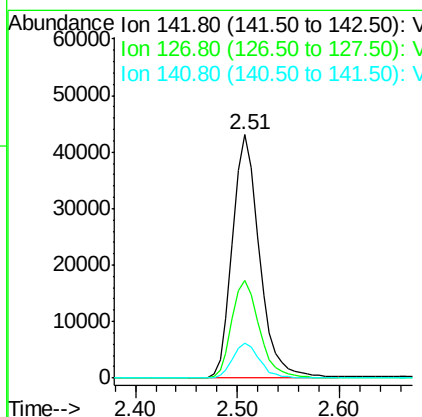
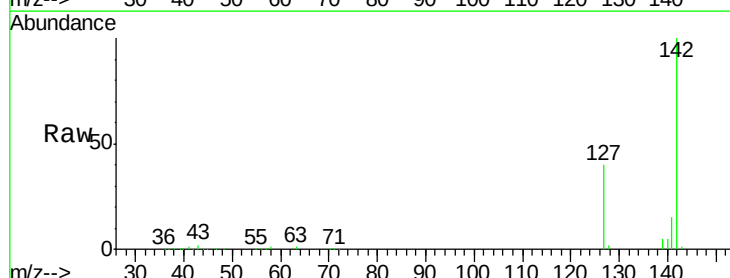
RT: 2.51 min Scan# 222

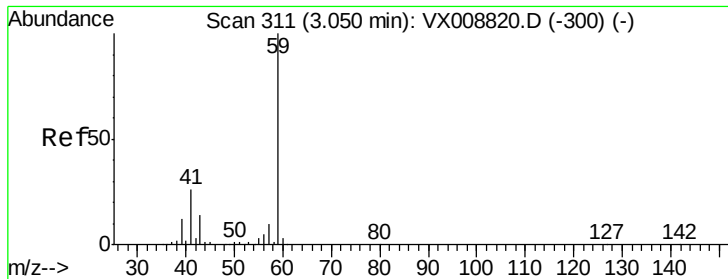
Delta R.T. 0.00 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

Tgt Ion:	142	Resp:	79279
Ion Ratio	Lower	Upper	
142	100		
127	41.0	33.0	49.6
141	14.4	11.4	17.2





#11

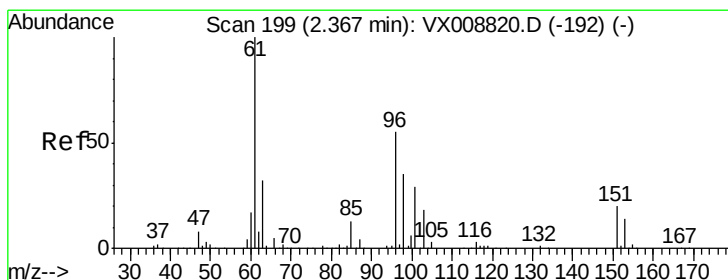
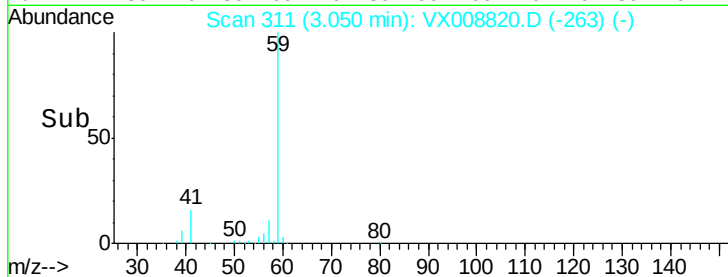
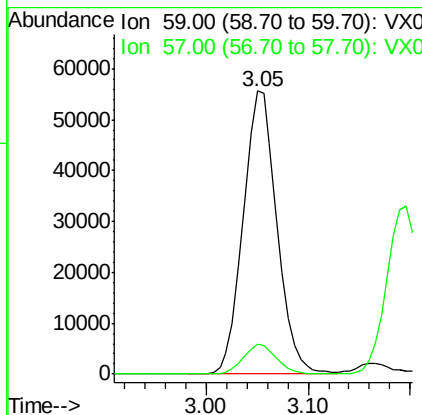
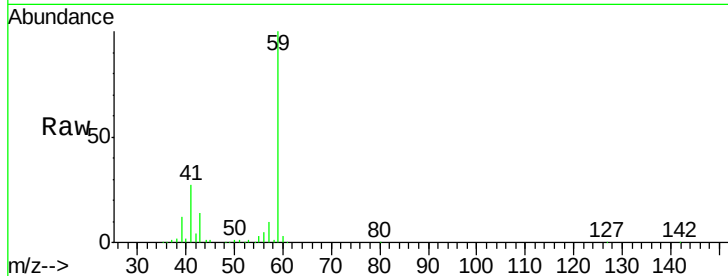
Tert butyl alcohol
Concen: 231.067 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.01 min
Lab File: VX008820.D
Acq: 10 Apr 2019 21:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.3	12.5

Manual Integrations
APPROVED

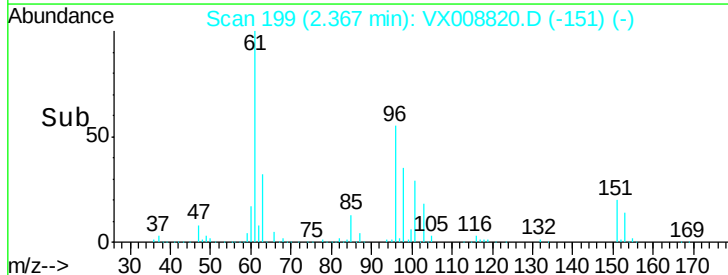
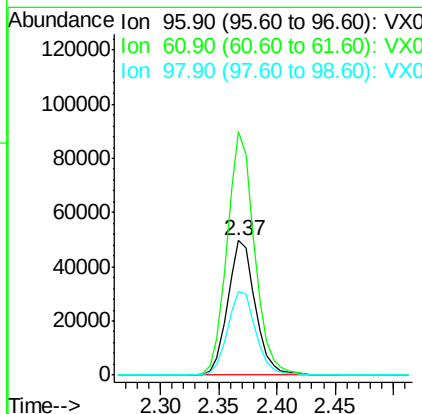
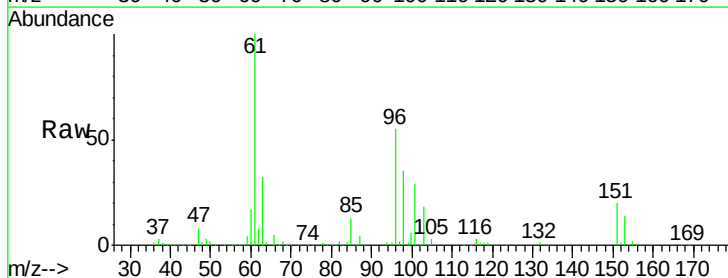
MMDadoda
4/11/2019 11:48:26 AM

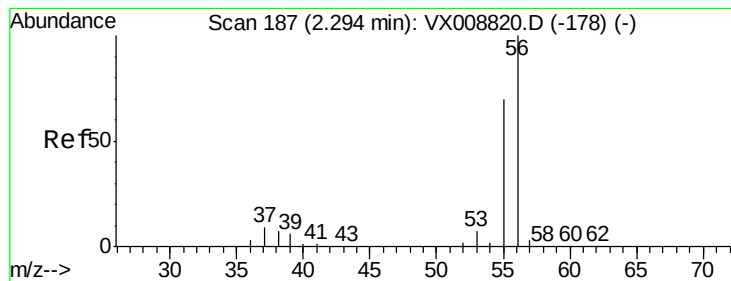


#12

1,1-Dichloroethene
Concen: 43.491 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX008820.D
Acq: 10 Apr 2019 21:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.4	140.9	211.3
98	62.6	52.1	78.1





#13

Acrolein

Concen: 464.816 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 128099

Ion Ratio Lower Upper

56 100

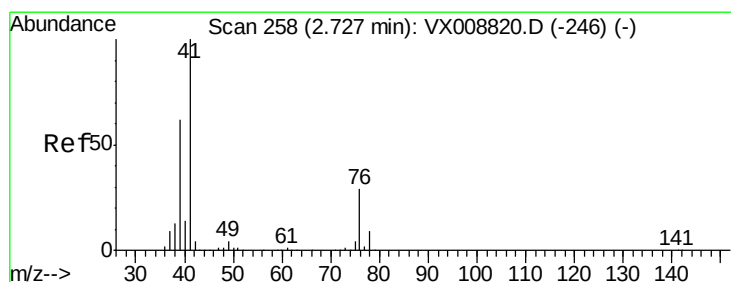
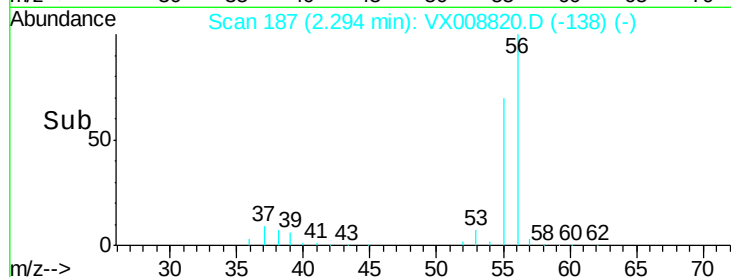
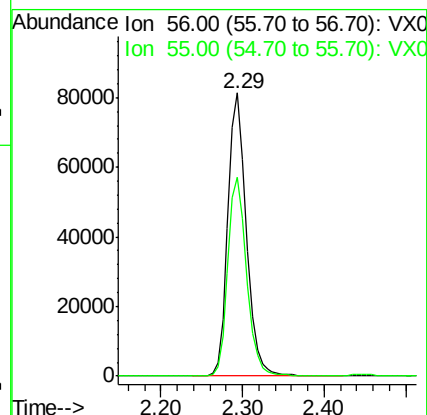
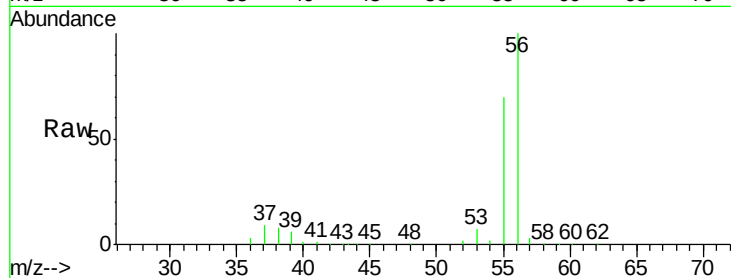
55 71.5 58.0 87.0

Manual Integrations

APPROVED

MMDadoda

4/11/2019 11:48:26 AM



#14

Allyl chloride

Concen: 45.520 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

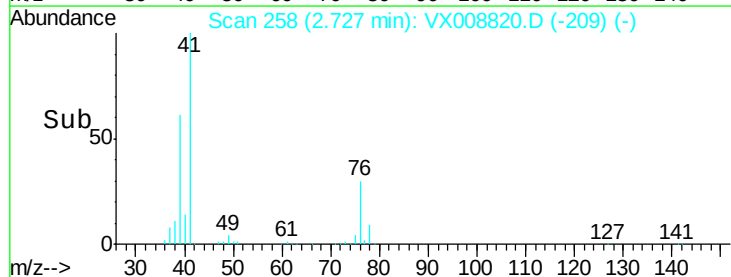
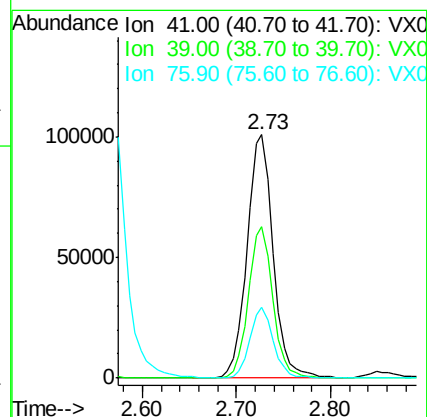
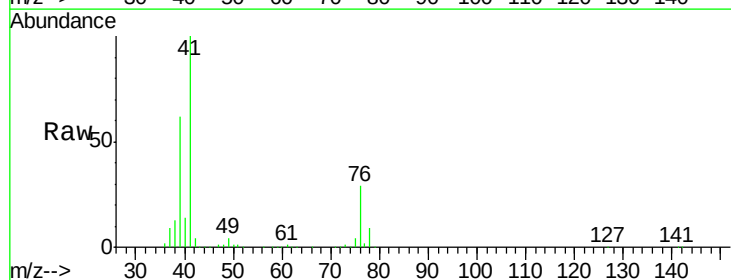
Tgt Ion: 41 Resp: 196088

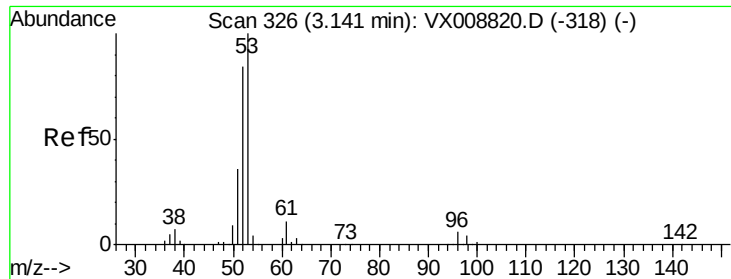
Ion Ratio Lower Upper

41 100

39 58.5 48.0 72.0

76 26.6 22.0 33.0





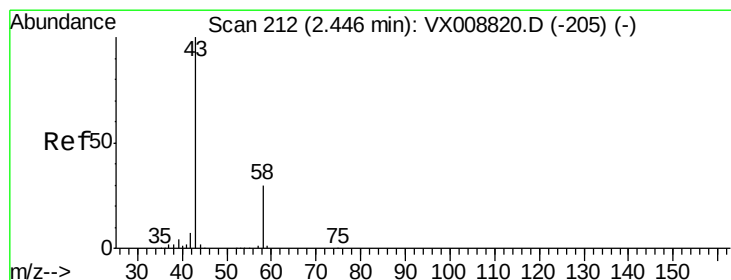
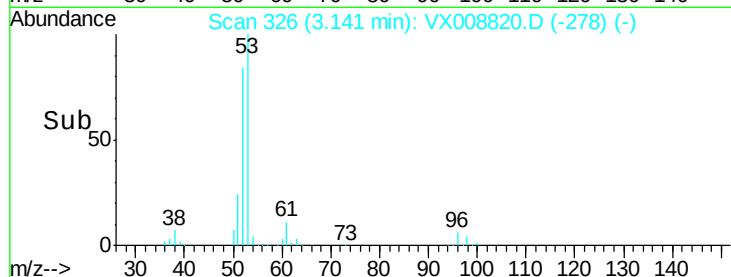
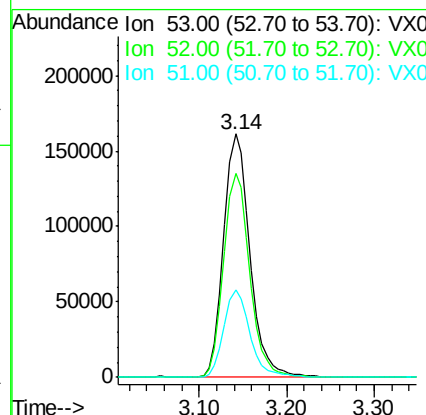
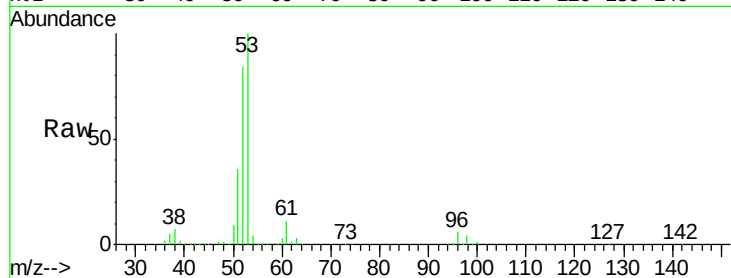
#15
 Acrylonitrile
 Concen: 229.133 ug/l
 RT: 3.14 min Scan# 326
 Delta R.T. -0.01 min
 Lab File: VX008820.D
 Acq: 10 Apr 2019 21:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.5	99.7
51	35.9	28.6	42.8

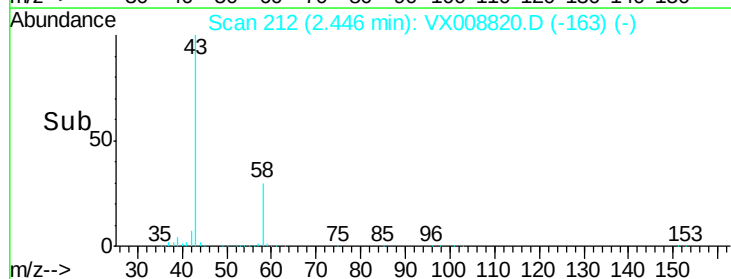
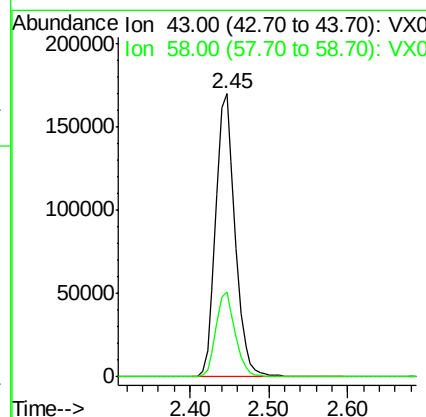
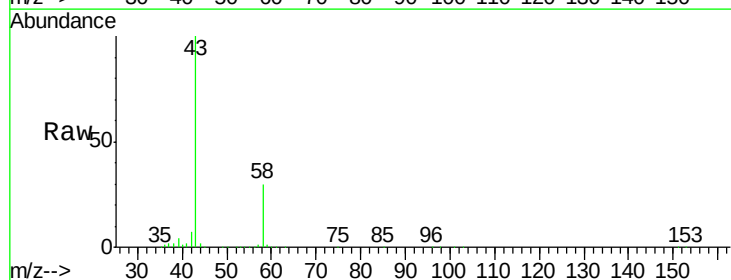
Manual Integrations
 APPROVED

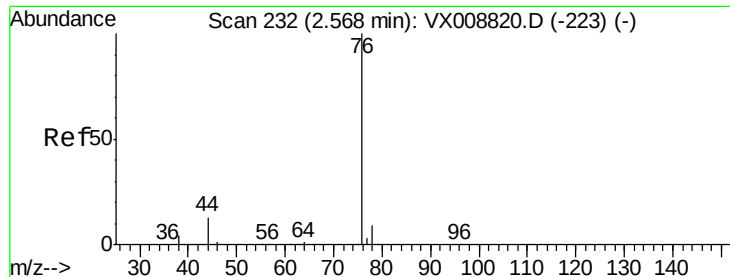
MMDadoda
 4/11/2019 11:48:26 AM



#16
 Acetone
 Concen: 212.999 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX008820.D
 Acq: 10 Apr 2019 21:22

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.1	24.8	37.2





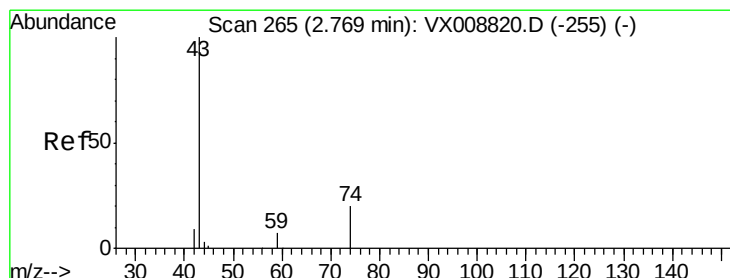
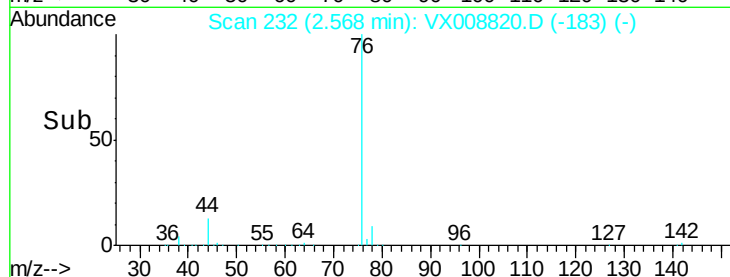
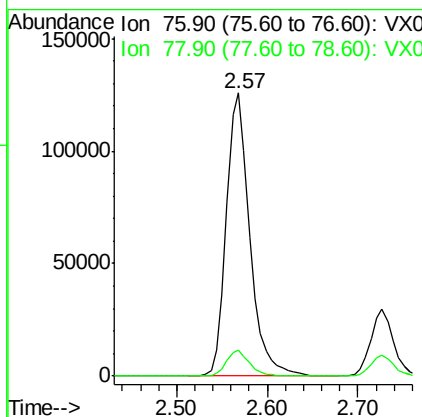
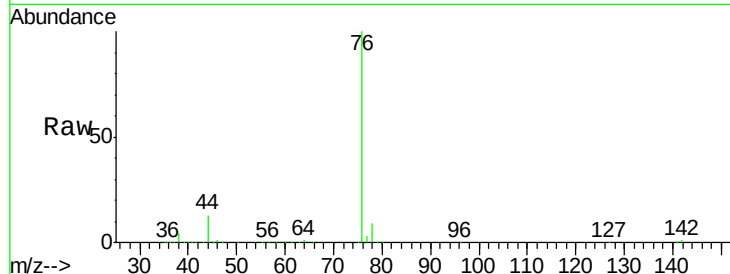
#17
Carbon Disulfide
Concen: 41.577 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008820.D
Acq: 10 Apr 2019 21:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

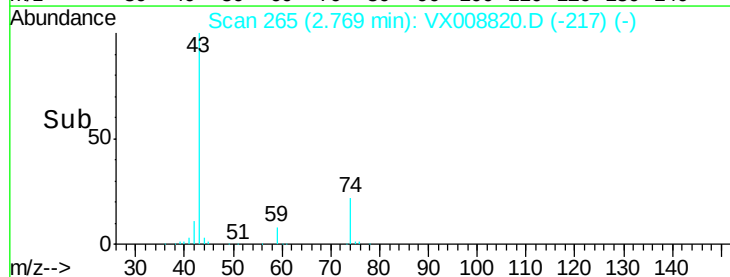
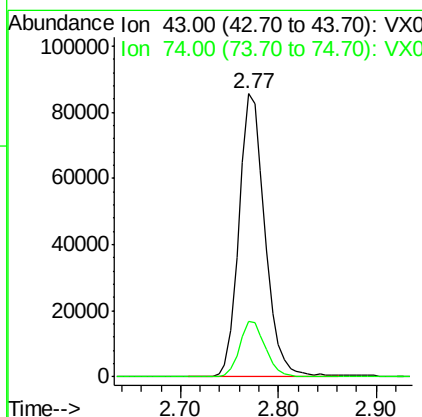
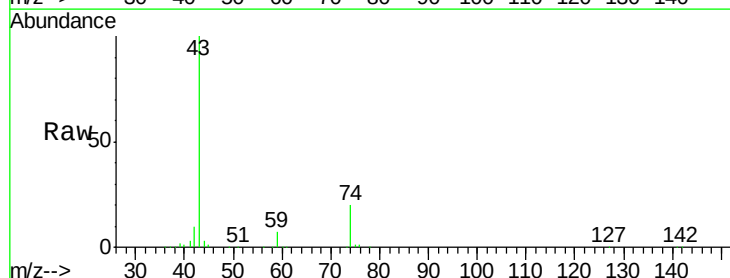
Manual Integrations
APPROVED

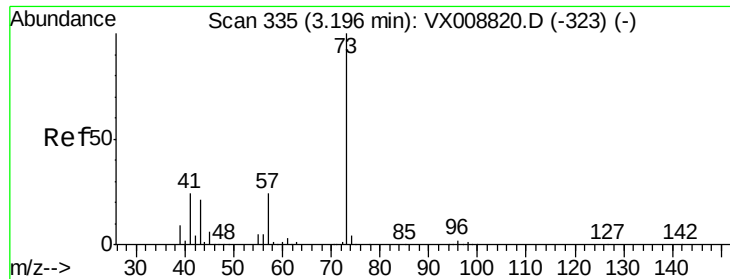
MMDadoda
4/11/2019 11:48:26 AM



#18
Methyl Acetate
Concen: 47.343 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX008820.D
Acq: 10 Apr 2019 21:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.0	16.5	24.7





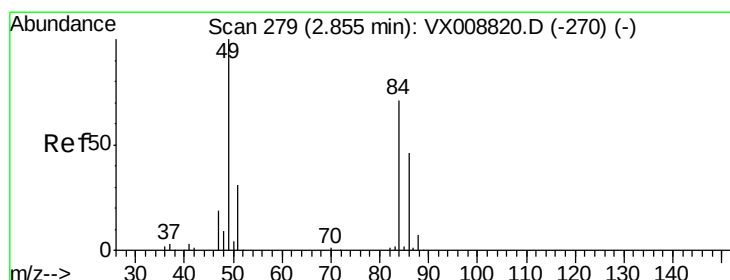
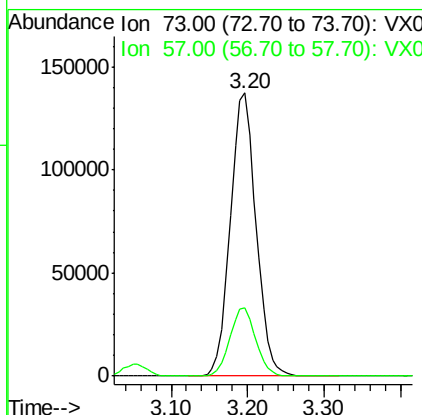
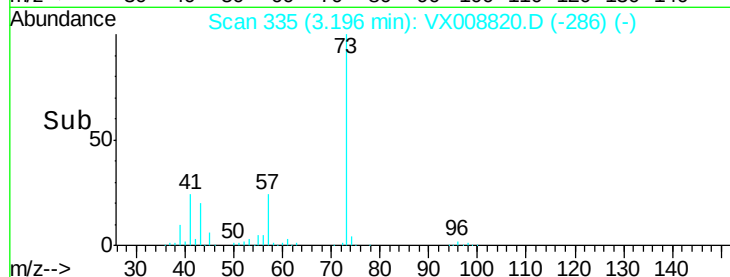
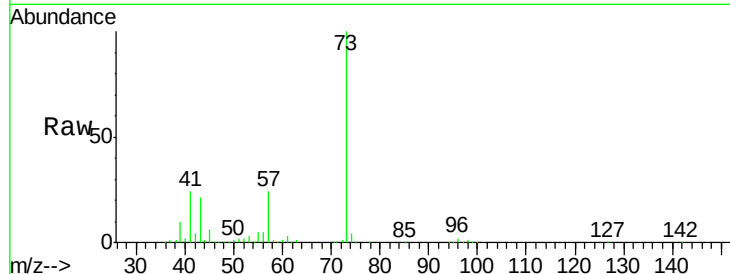
#19
Methyl tert-butyl Ether
Concen: 47.483 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX008820.D
Acq: 10 Apr 2019 21:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.0	19.5	29.3

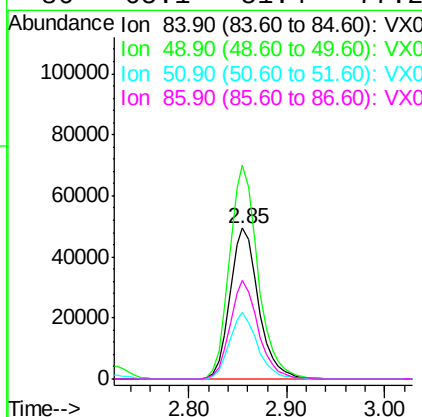
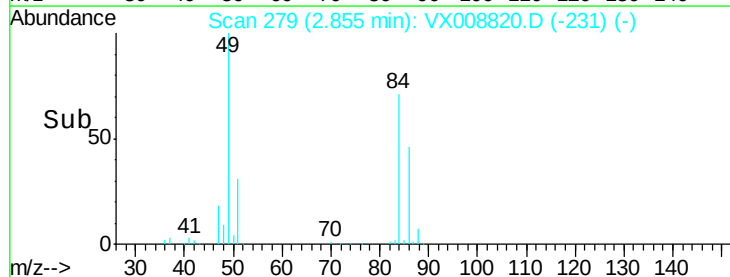
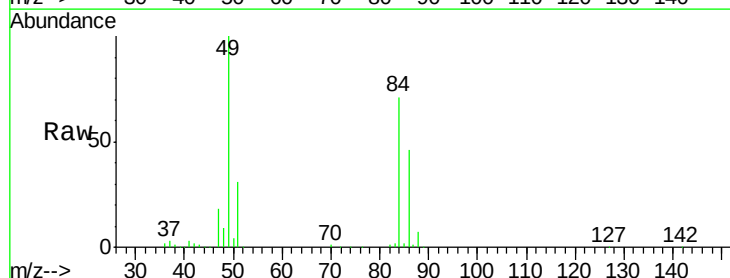
Manual Integrations
APPROVED

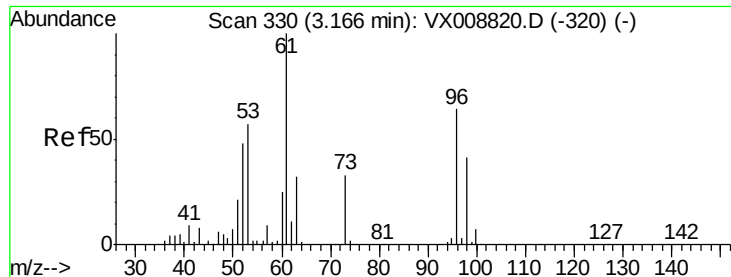
MMDadoda
4/11/2019 11:48:26 AM



#20
Methylene Chloride
Concen: 43.825 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008820.D
Acq: 10 Apr 2019 21:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.6	109.7	164.5
51	44.3	33.6	50.4
86	65.1	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 42.674 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

Instrument :

MSVOA_X

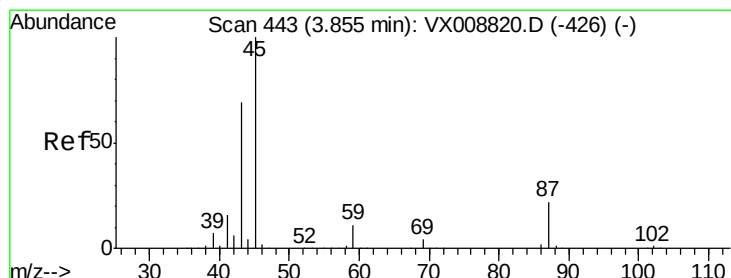
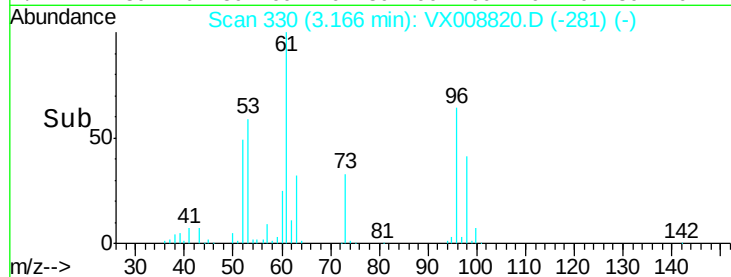
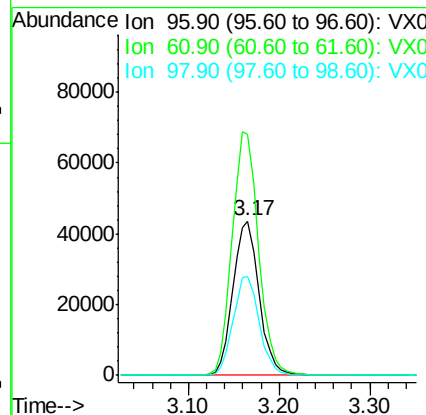
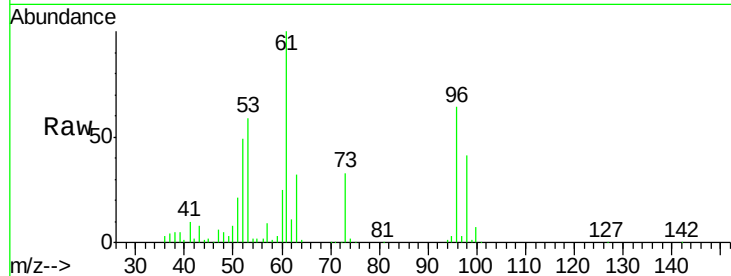
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	86858
Ion	Ratio	Lower	Upper
96	100		
61	155.5	132.1	198.1
98	63.7	52.2	78.2

Manual Integrations
APPROVED

MMDadoda
4/11/2019 11:48:26 AM



#22

Diisopropyl ether

Concen: 46.946 ug/l

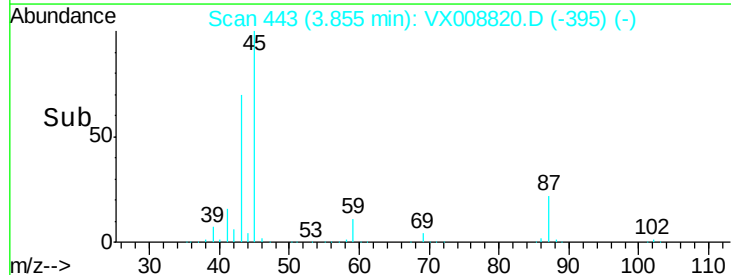
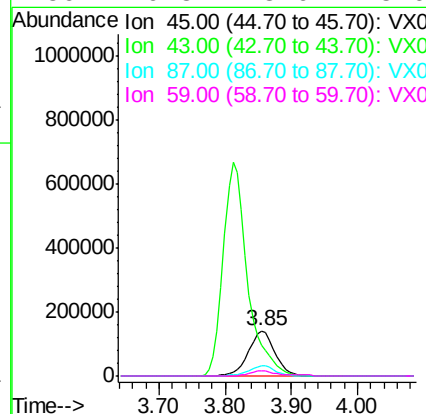
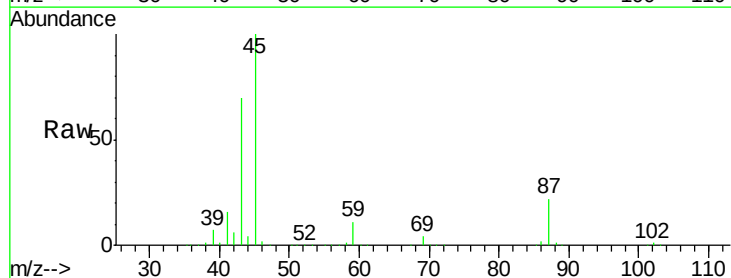
RT: 3.85 min Scan# 443

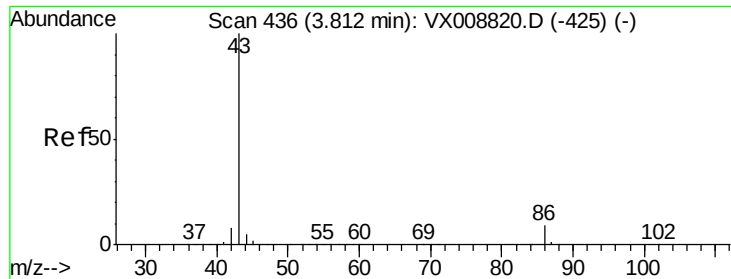
Delta R.T. -0.01 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

Tgt Ion:	45	Resp:	389780
Ion	Ratio	Lower	Upper
45	100		
43	69.5	51.3	76.9
87	22.4	18.1	27.1
59	10.8	8.6	13.0





#23

Vinyl Acetate

Concen: 236.829 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1710580

Ion Ratio Lower Upper

43 100

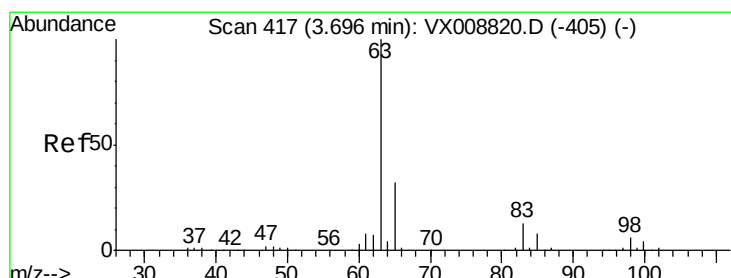
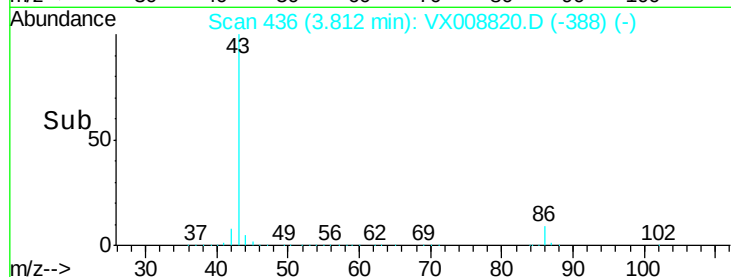
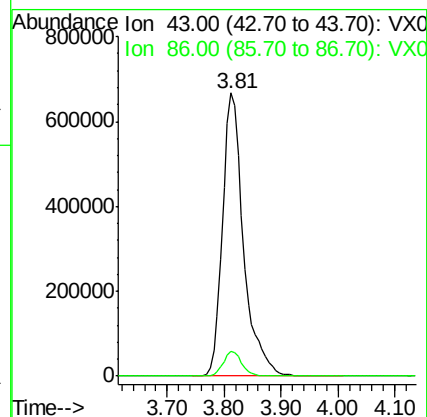
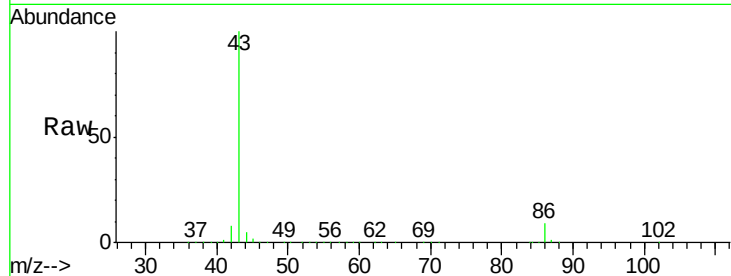
86 8.6 7.0 10.6

Manual Integrations

APPROVED

MMDadoda

4/11/2019 11:48:26 AM



#24

1,1-Dichloroethane

Concen: 45.934 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

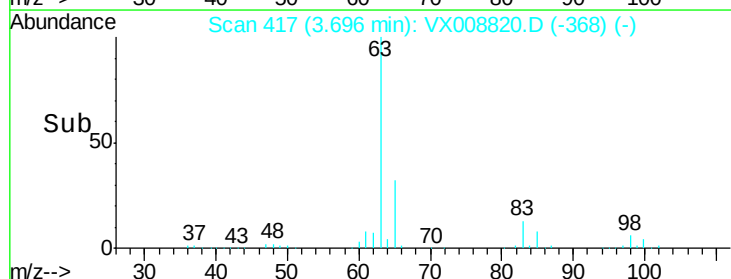
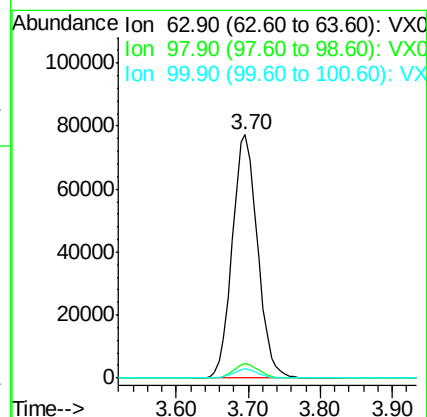
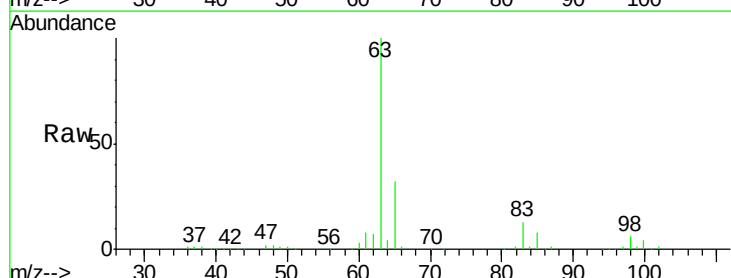
Tgt Ion: 63 Resp: 188824

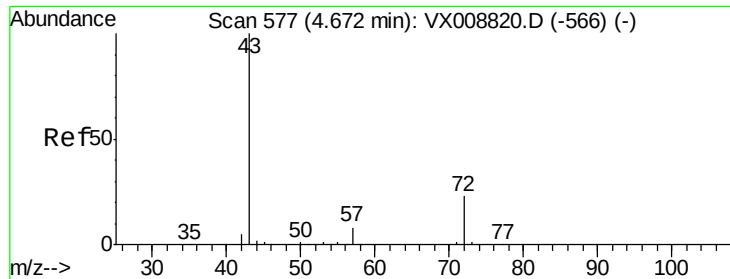
Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.4

100 3.6 1.8 5.5





#25

2-Butanone

Concen: 233.322 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 504250

Ion Ratio Lower Upper

43 100

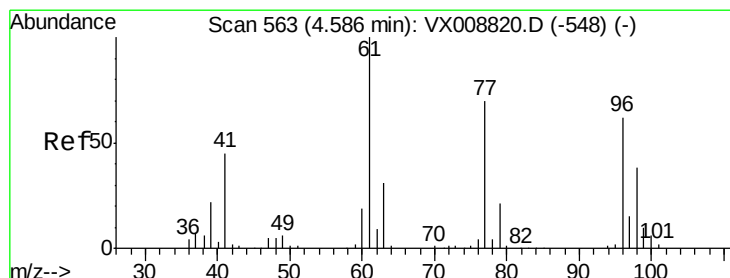
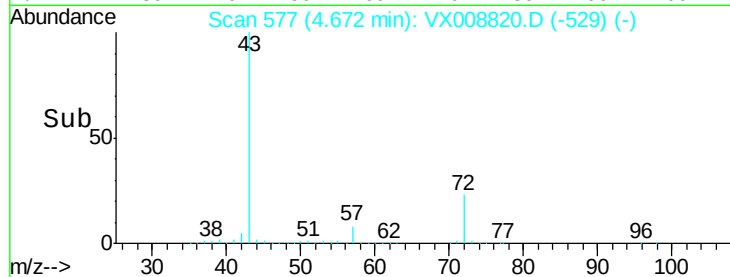
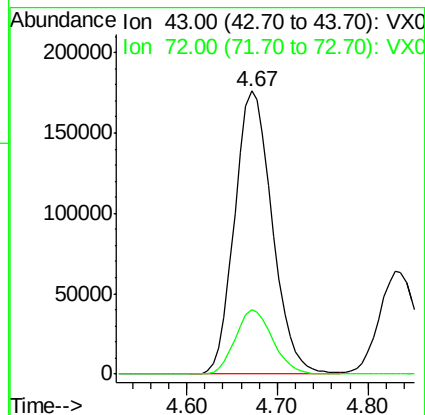
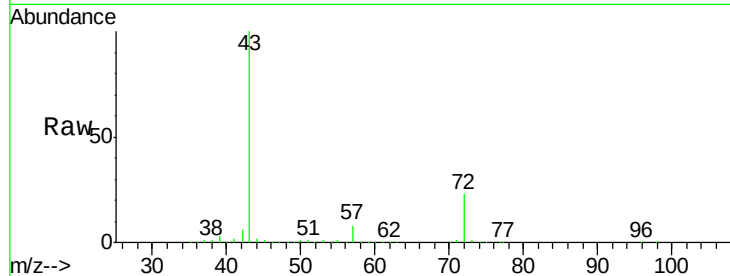
72 22.9 18.2 27.4

Manual Integrations

APPROVED

MMDadoda

4/11/2019 11:48:26 AM



#26

2,2-Dichloropropane

Concen: 42.982 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX008820.D

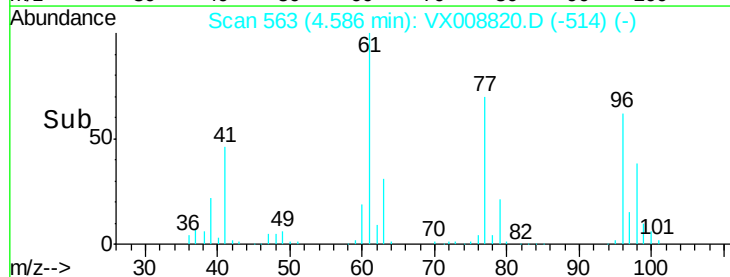
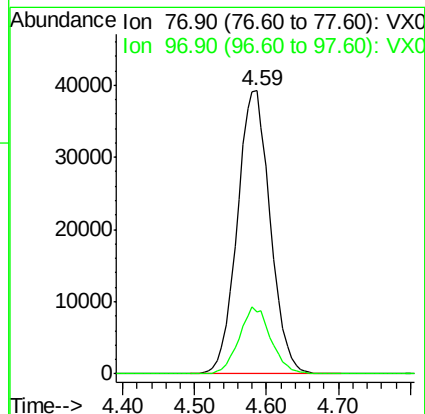
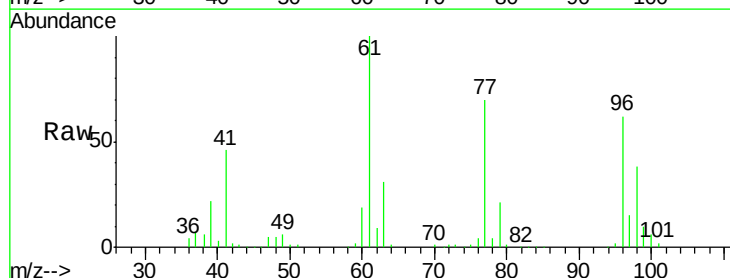
Acq: 10 Apr 2019 21:22

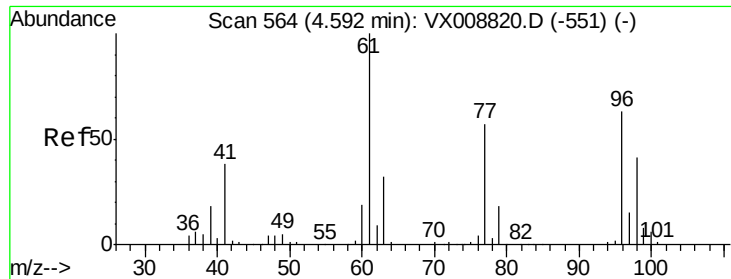
Tgt Ion: 77 Resp: 124445

Ion Ratio Lower Upper

77 100

97 22.8 11.5 34.5





#27

cis-1,2-Dichloroethene

Concen: 44.667 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

Tot Ion:	96	Resp:	104526
Ion	Ratio	Lower	Upper
96	100		
61	161.9	0.0	327.6
98	64.4	0.0	128.6

Instrument :

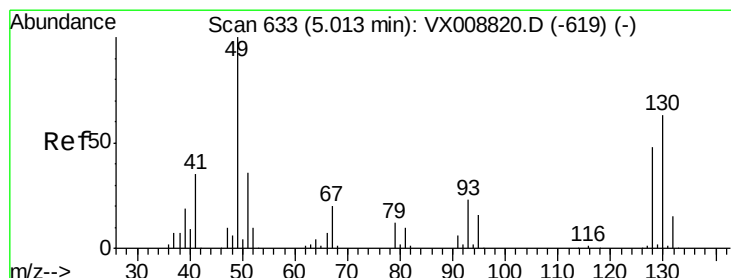
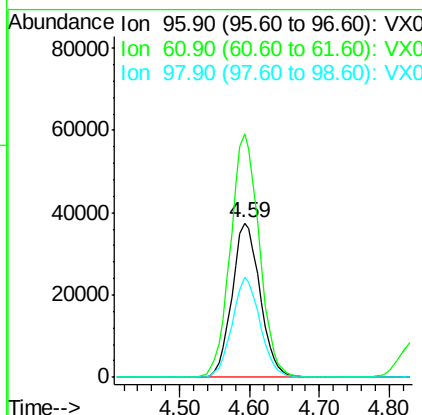
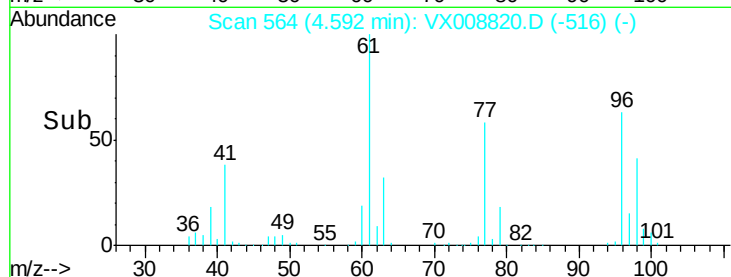
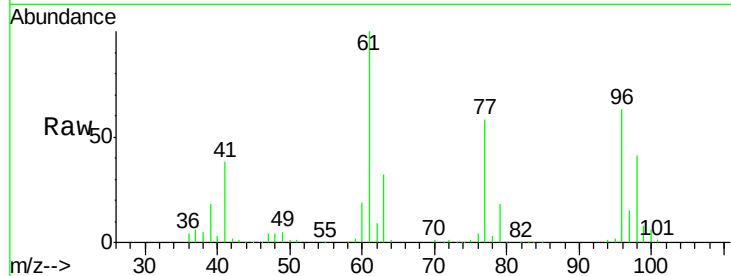
MSVOA_X

ClientSampleId :

VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
4/11/2019 11:48:26 AM



#28

Bromochloromethane

Concen: 58.918 ug/l

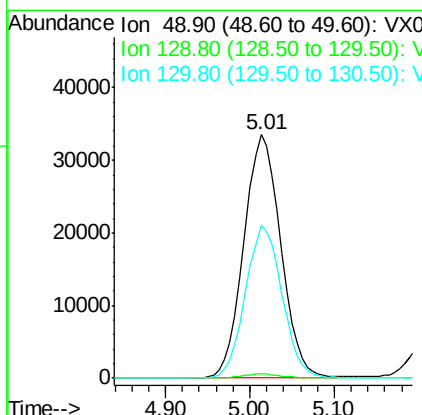
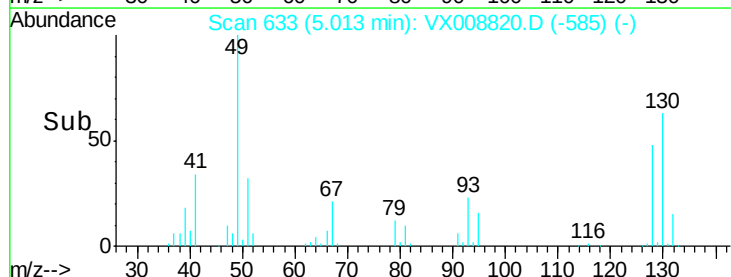
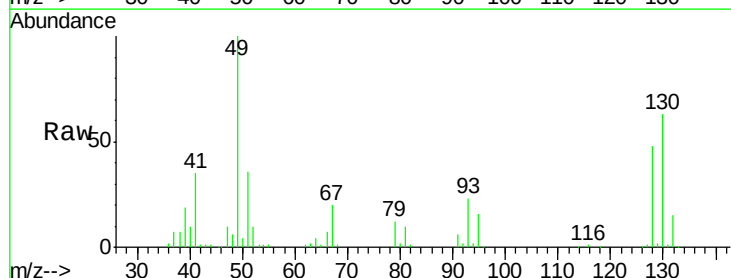
RT: 5.01 min Scan# 633

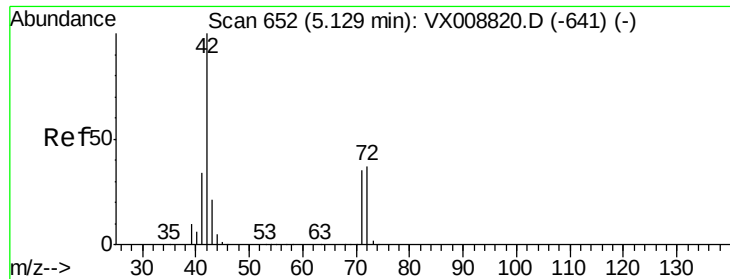
Delta R.T. -0.01 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

Tgt Ion:	49	Resp:	100245
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	62.0	49.3	73.9





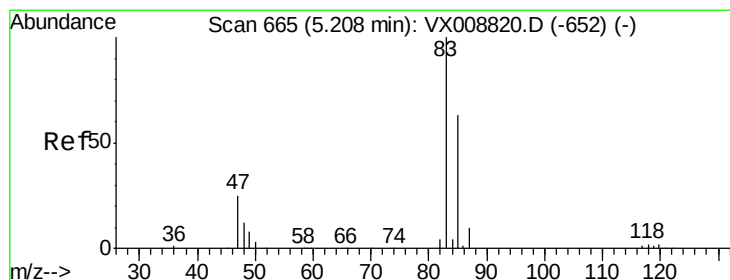
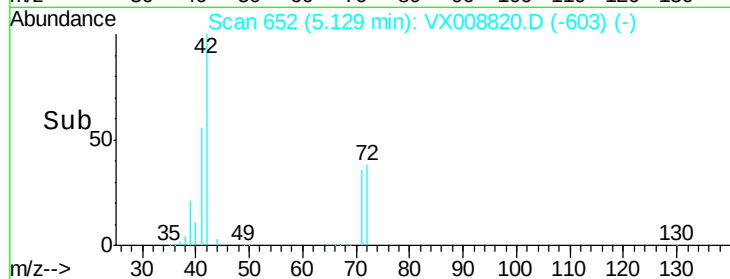
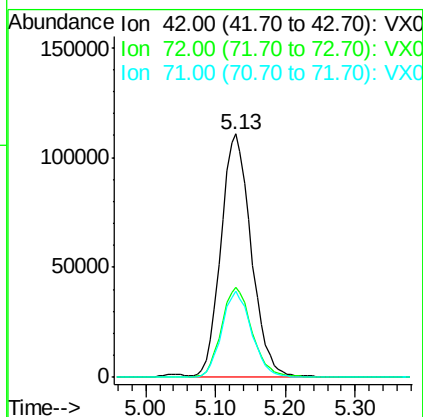
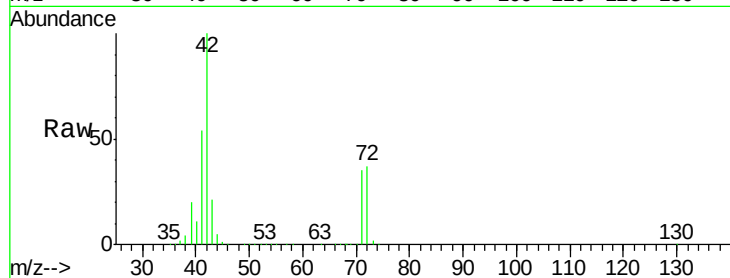
#29
Tetrahydrofuran
Concen: 231.771 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX008820.D
Acq: 10 Apr 2019 21:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.5	30.5	45.7
71	35.1	28.6	43.0

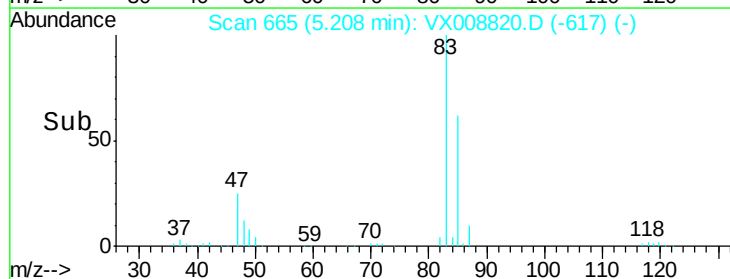
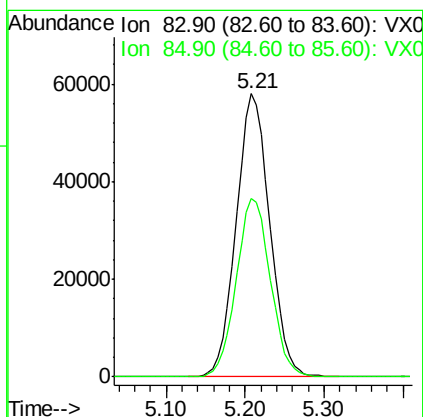
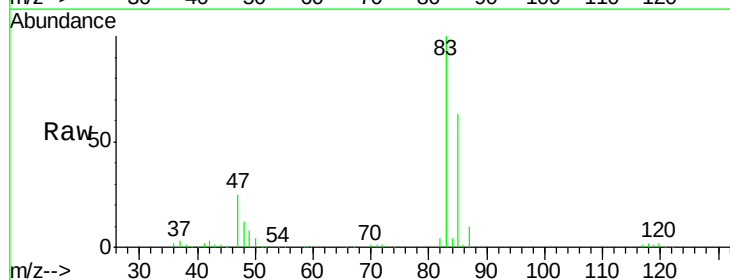
Manual Integrations
APPROVED

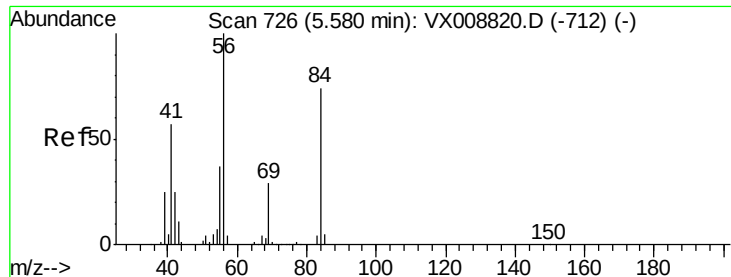
MMDadoda
4/11/2019 11:48:26 AM



#30
Chloroform
Concen: 46.693 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX008820.D
Acq: 10 Apr 2019 21:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.1	78.1





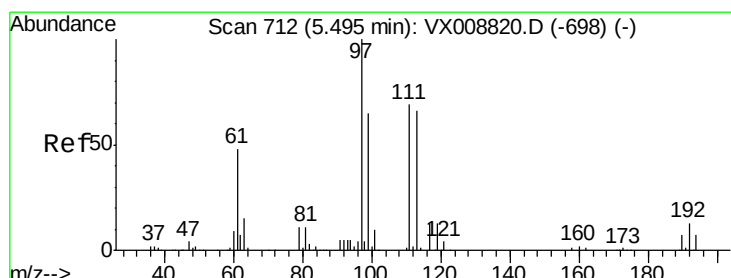
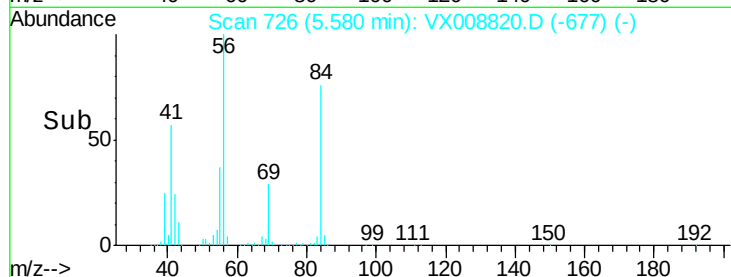
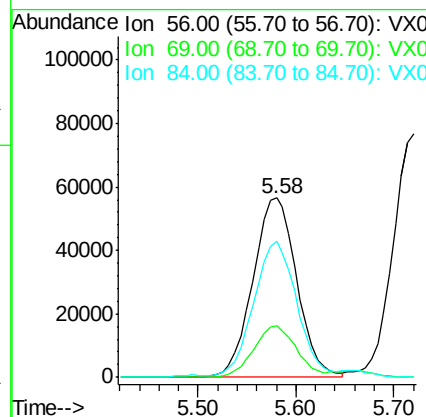
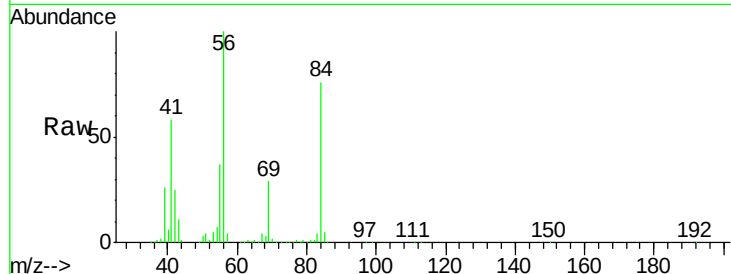
#31
Cyclohexane
Concen: 42.830 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX008820.D
Acq: 10 Apr 2019 21:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.2	22.6	33.8
84	74.3	59.3	88.9

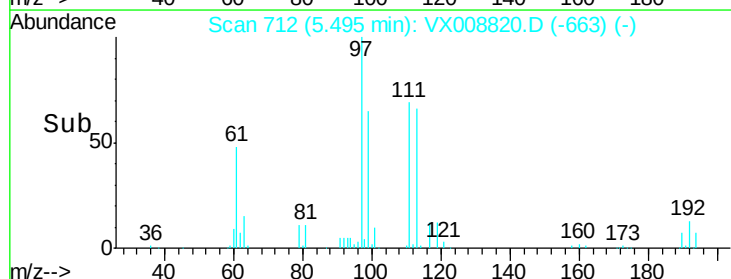
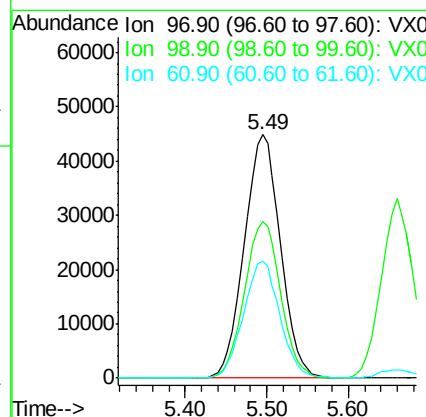
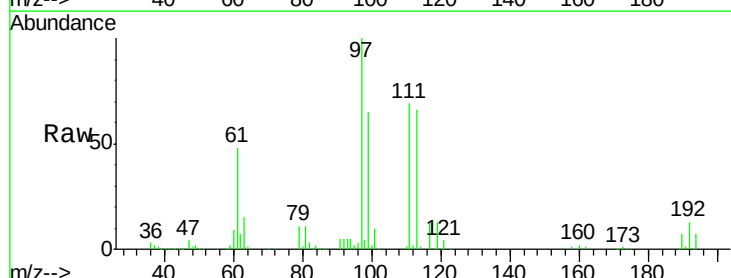
Manual Integrations
APPROVED

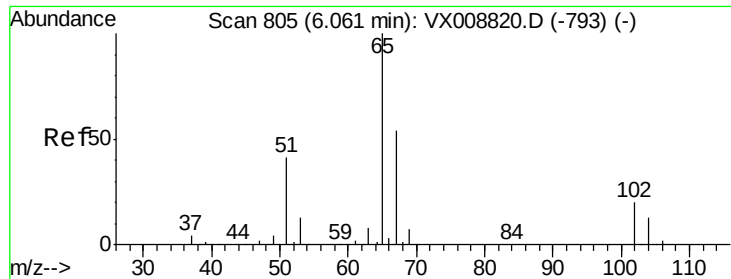
MMDadoda
4/11/2019 11:48:26 AM



#32
1,1,1-Trichloroethane
Concen: 46.590 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX008820.D
Acq: 10 Apr 2019 21:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.3	76.9
61	48.3	38.9	58.3





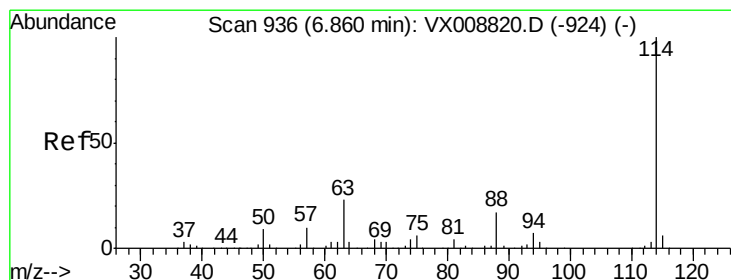
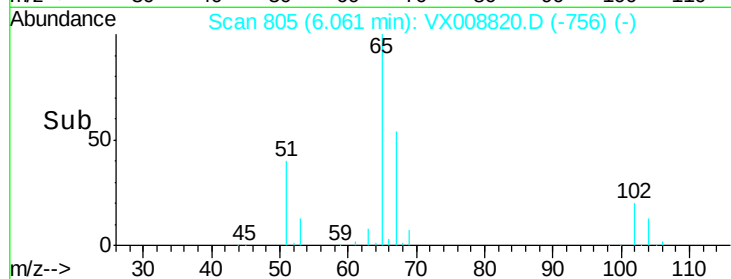
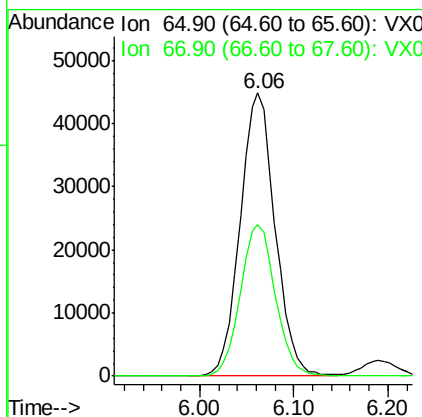
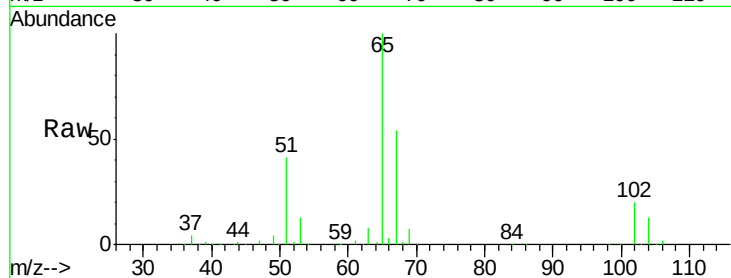
#33
 1,2-Dichloroethane-d4
 Concen: 49.076 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008820.D
 Acq: 10 Apr 2019 21:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 116509
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.2

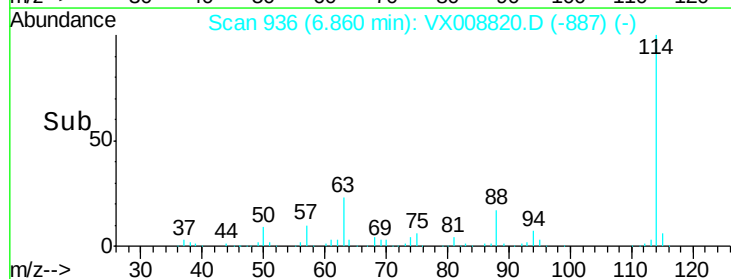
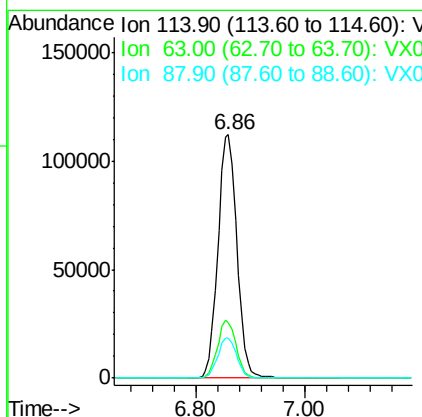
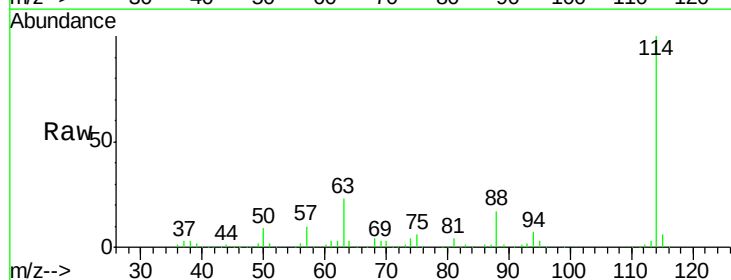
Manual Integrations
 APPROVED

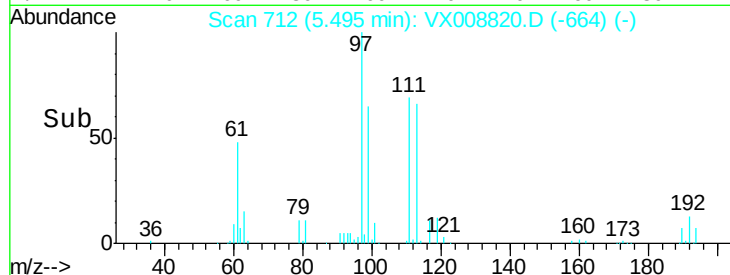
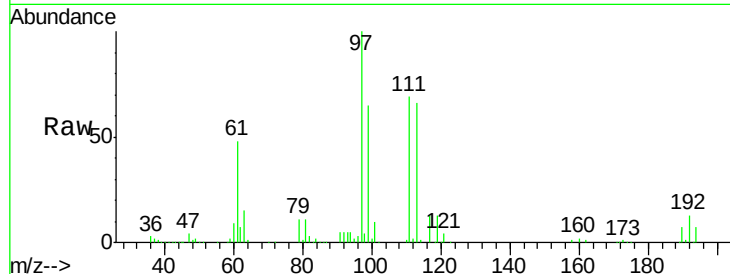
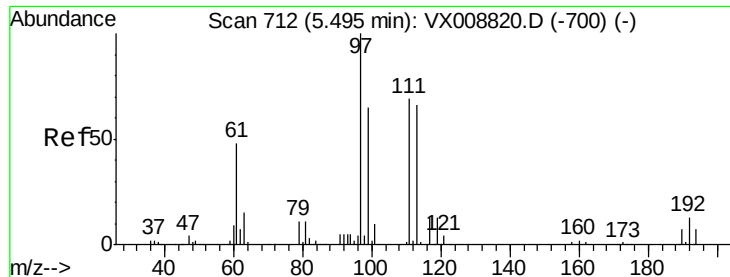
MMDadoda
 4/11/2019 11:48:26 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008820.D
 Acq: 10 Apr 2019 21:22

Tgt Ion: 114 Resp: 271082
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 47.2
 88 16.5 0.0 34.0





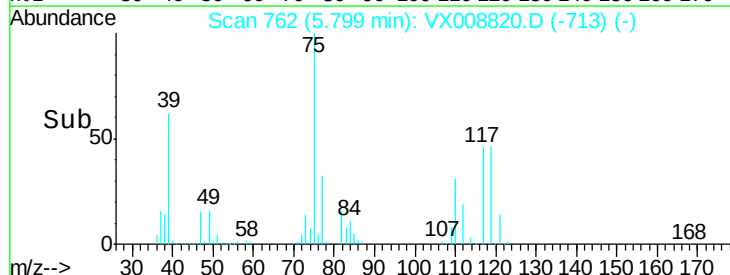
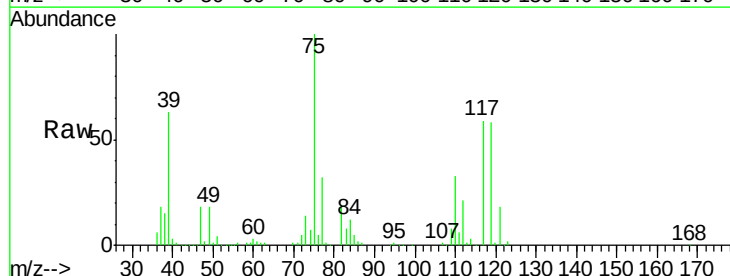
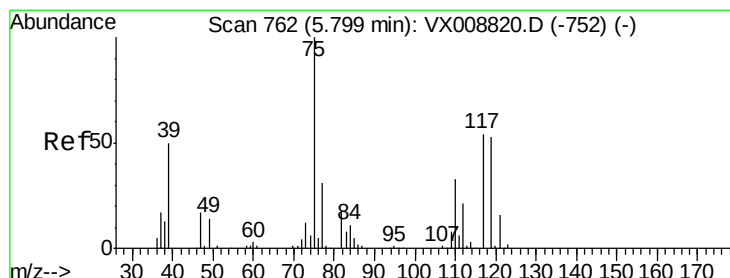
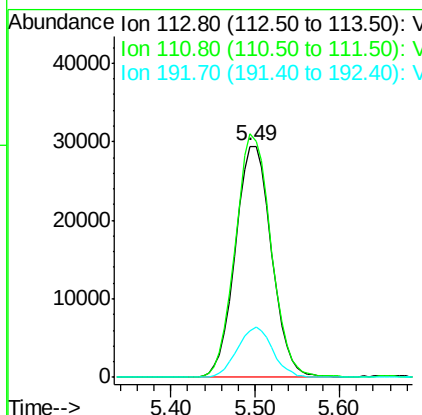
#35
Dibromofluoromethane
Concen: 49.457 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX008820.D
Acq: 10 Apr 2019 21:22

Tot Ion	Ratio	Resp	Lower	Upper
113	100	85719		
111	104.0		83.4	125.2
192	21.1		16.1	24.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

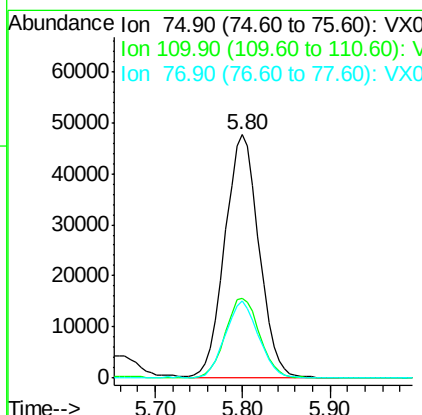
Manual Integrations
APPROVED

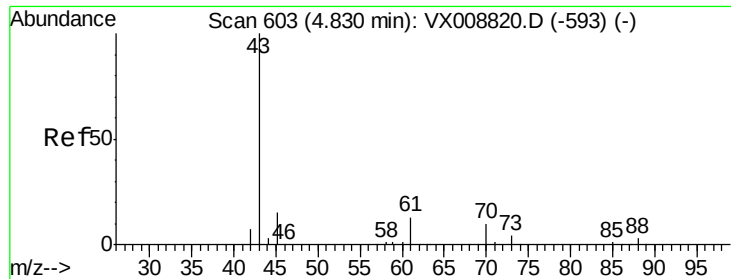
MMDadoda
4/11/2019 11:48:26 AM



#36
1,1-Dichloropropene
Concen: 43.462 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX008820.D
Acq: 10 Apr 2019 21:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	128788		
110	33.5		16.4	49.2
77	30.8		24.7	37.1





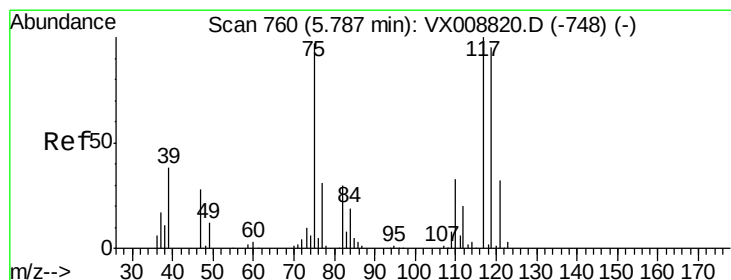
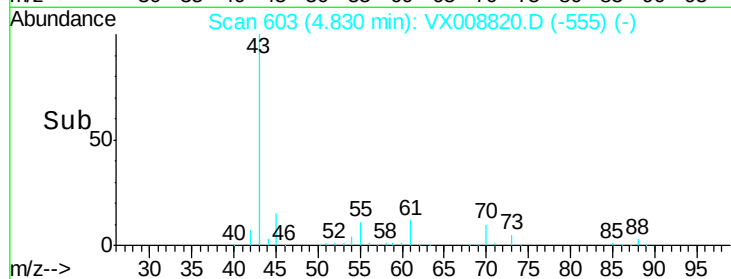
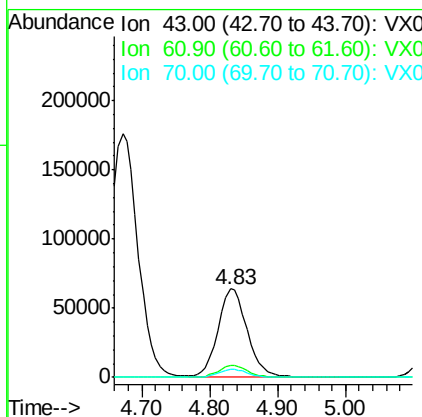
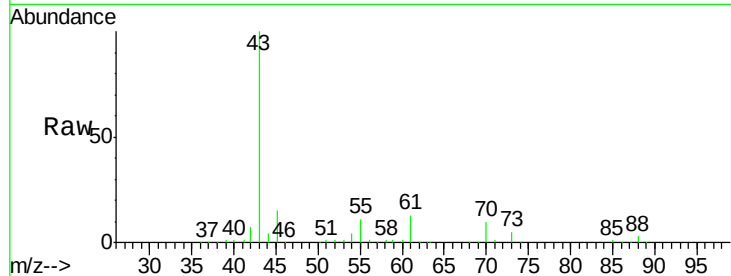
#37
Ethyl Acetate
Concen: 48.100 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX008820.D
Acq: 10 Apr 2019 21:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.3	15.5
70	9.4	7.6	11.4

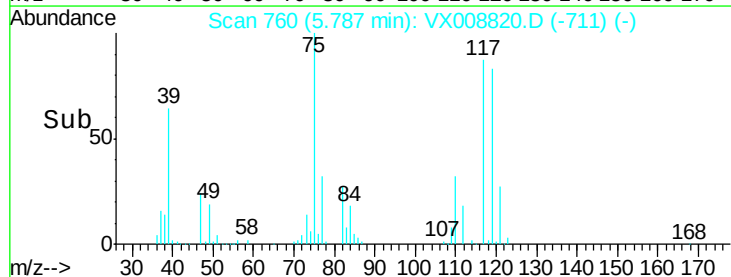
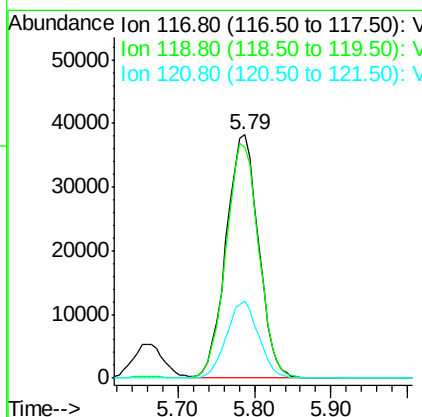
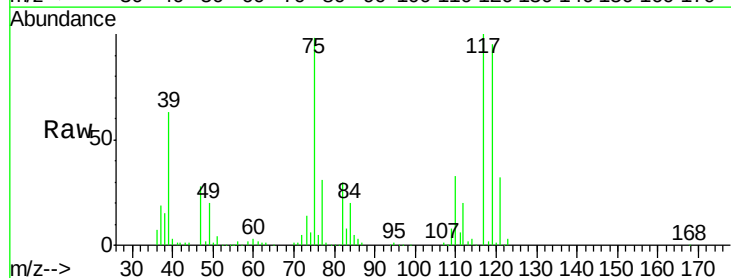
Manual Integrations
APPROVED

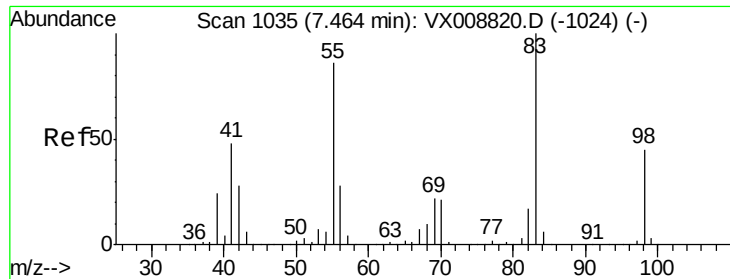
MMDadoda
4/11/2019 11:48:26 AM



#38
Carbon Tetrachloride
Concen: 45.915 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX008820.D
Acq: 10 Apr 2019 21:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	75.0	112.6
121	31.7	24.3	36.5





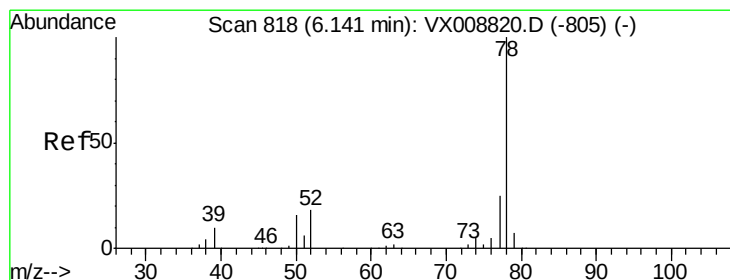
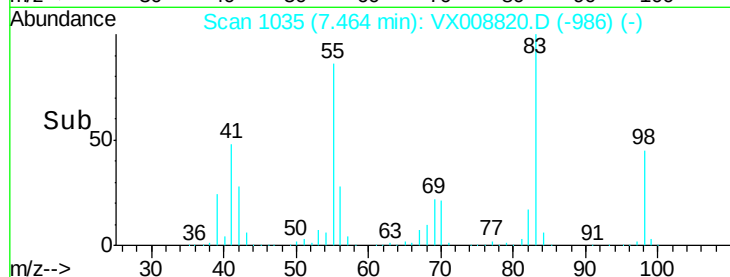
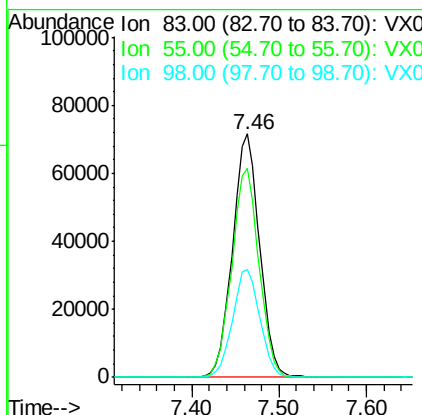
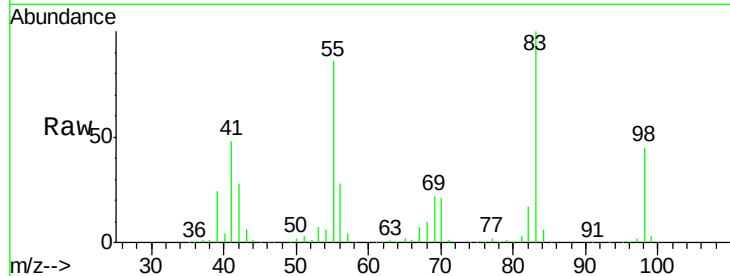
#39
Methylvlcyclohexane
Concen: 42.133 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008820.D
Acq: 10 Apr 2019 21:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.0	69.0	103.6
98	44.5	34.4	51.6

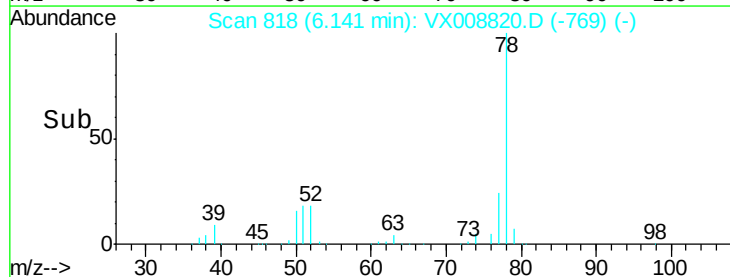
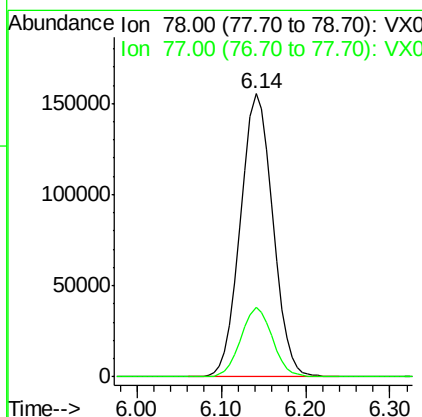
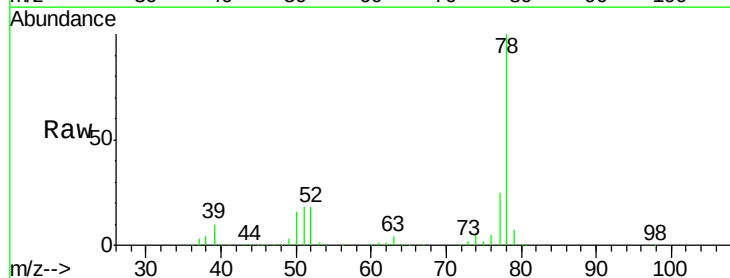
Manual Integrations
APPROVED

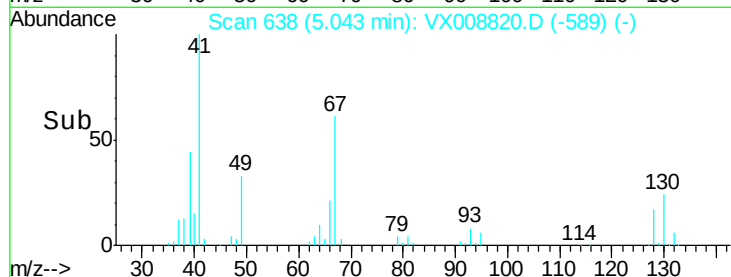
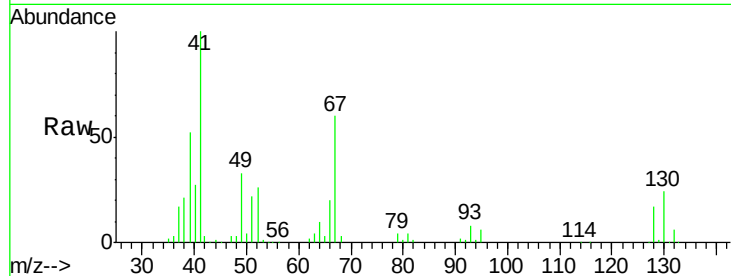
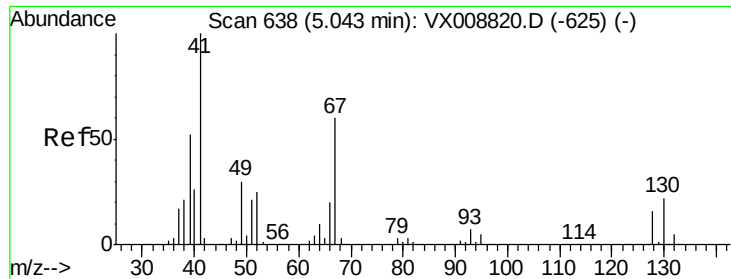
MMDadoda
4/11/2019 11:48:26 AM



#40
Benzene
Concen: 45.836 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008820.D
Acq: 10 Apr 2019 21:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.1	28.7





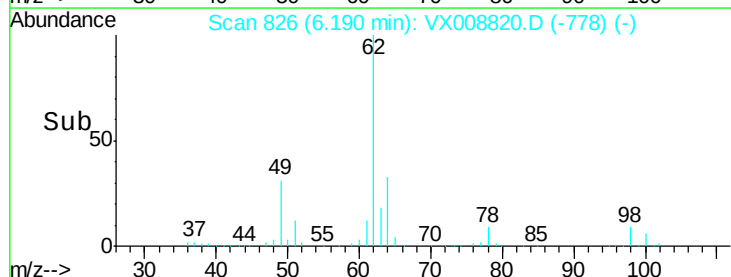
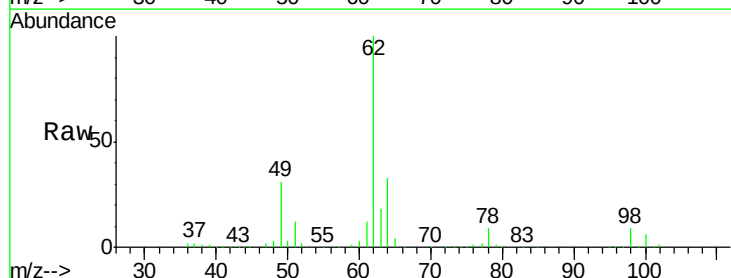
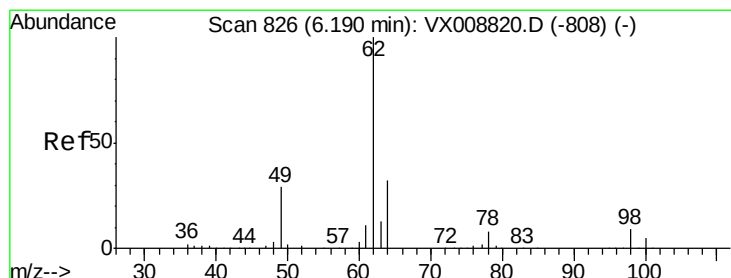
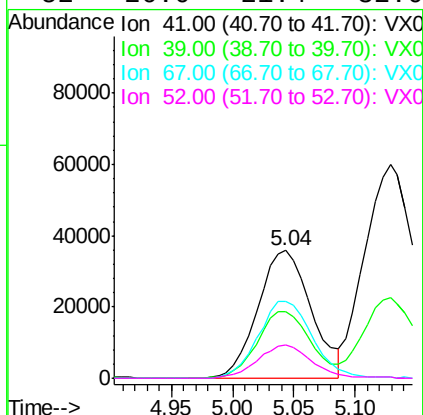
#41
Methacrylonitrile
Concen: 47.873 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX008820.D
Acq: 10 Apr 2019 21:22

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		108839		
39	52.0	42.1	63.1		
67	61.9	51.0	76.6		
52	26.0	21.4	32.0		

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

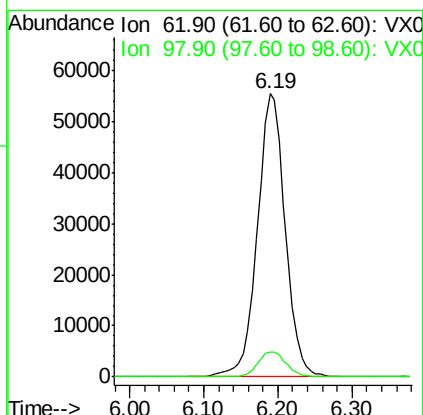
Manual Integrations
APPROVED

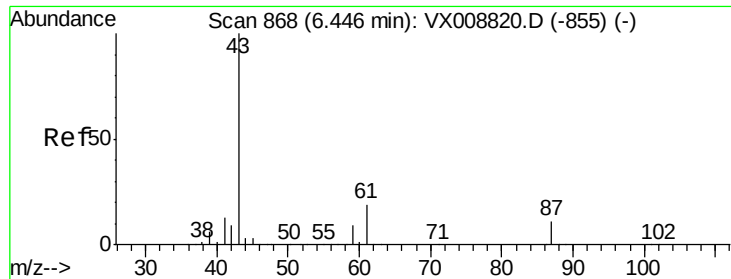
MMDadoda
4/11/2019 11:48:26 AM



#42
1,2-Dichloroethane
Concen: 45.790 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX008820.D
Acq: 10 Apr 2019 21:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		144915		
98	8.9	0.0	18.0		





#43

Isopropyl Acetate

Concen: 48.062 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

Instrument :

MSVOA_X

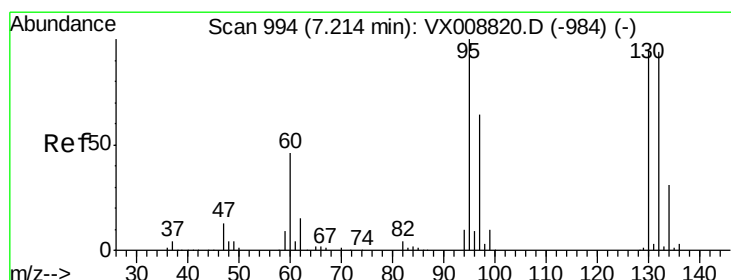
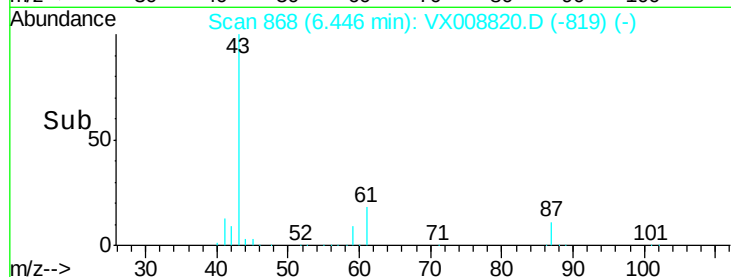
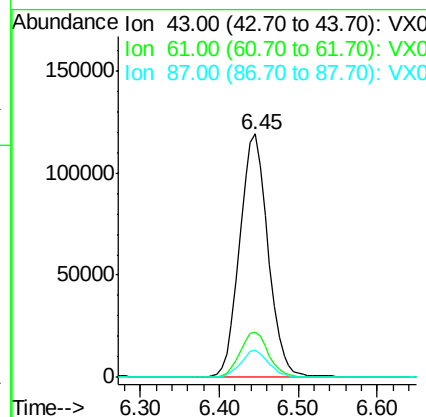
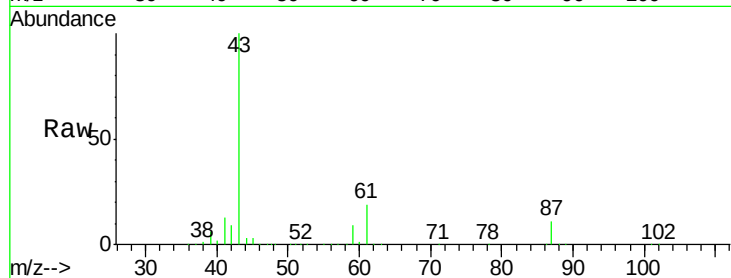
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	297789
Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.3	22.9
87	11.1	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
4/11/2019 11:48:26 AM



#44

Trichloroethene

Concen: 45.549 ug/l

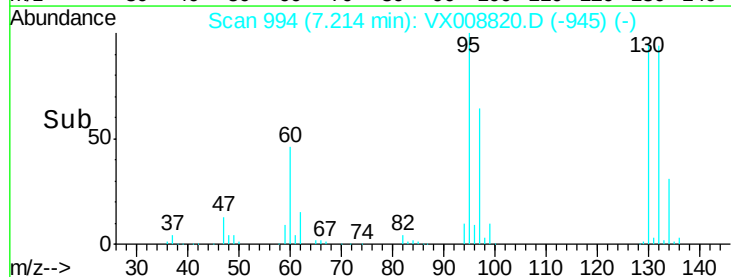
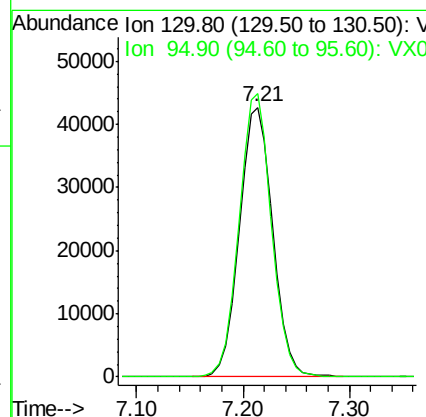
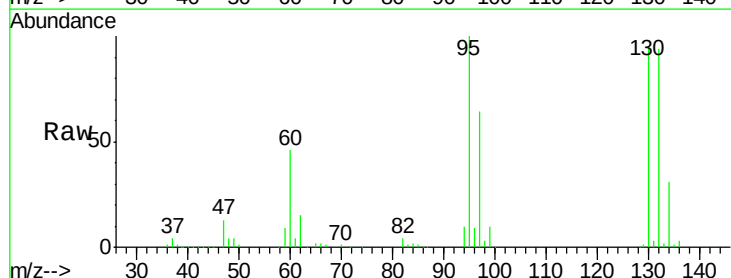
RT: 7.21 min Scan# 994

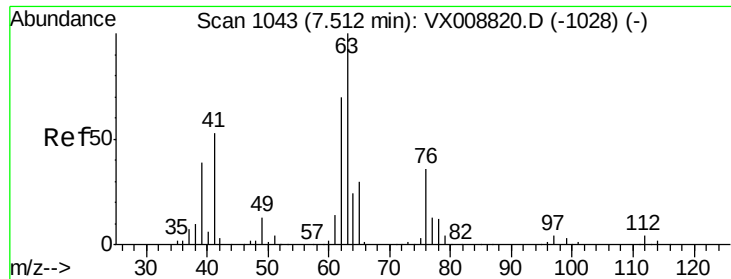
Delta R.T. -0.00 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

Tgt Ion:	130	Resp:	93651
Ion	Ratio	Lower	Upper
130	100		
95	105.1	0.0	209.8





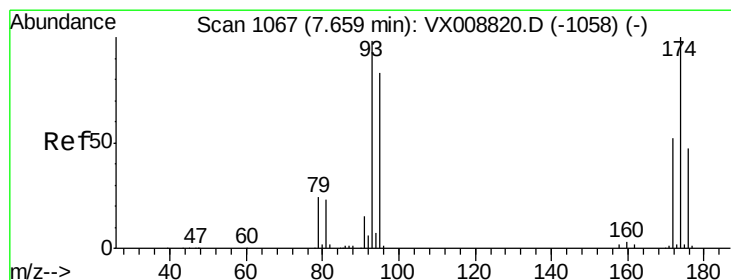
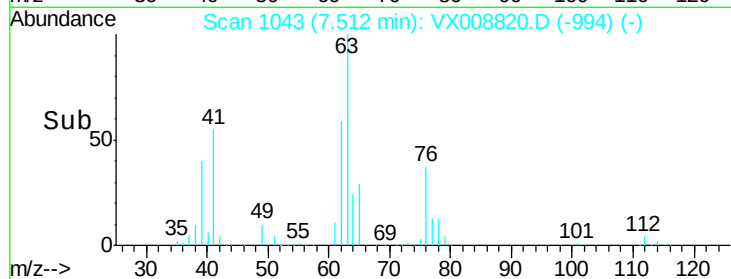
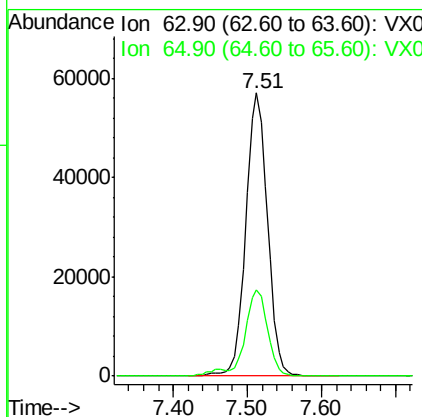
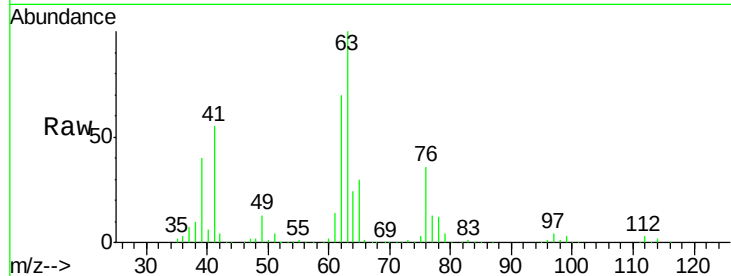
#45
 1,2-Dichloropropane
 Concen: 46.484 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX008820.D
 Acq: 10 Apr 2019 21:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100	117122		
65	30.4	24.2	36.4	

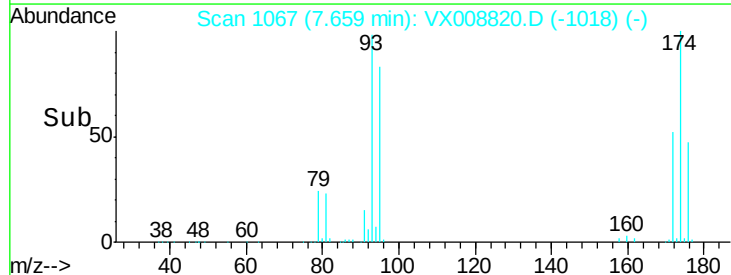
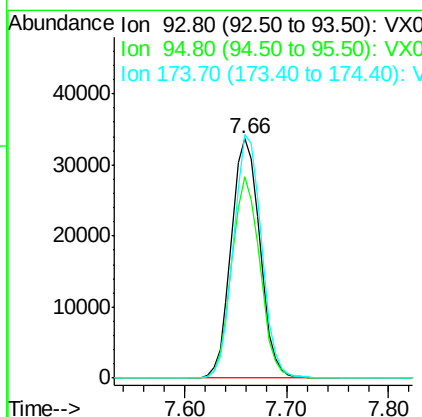
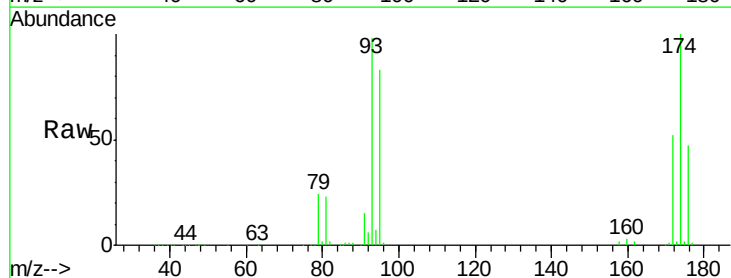
Manual Integrations
 APPROVED

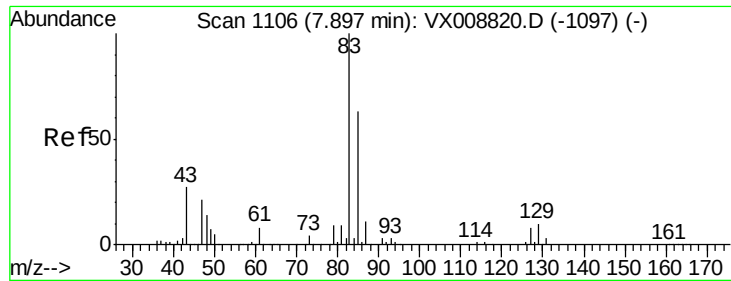
MMDadoda
 4/11/2019 11:48:26 AM



#46
 Dibromomethane
 Concen: 44.934 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008820.D
 Acq: 10 Apr 2019 21:22

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	65665		
95	82.5	66.6	99.8	
174	99.6	77.7	116.5	





#47

Bromodichloromethane

Concen: 47.710 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

Instrument :

MSVOA_X

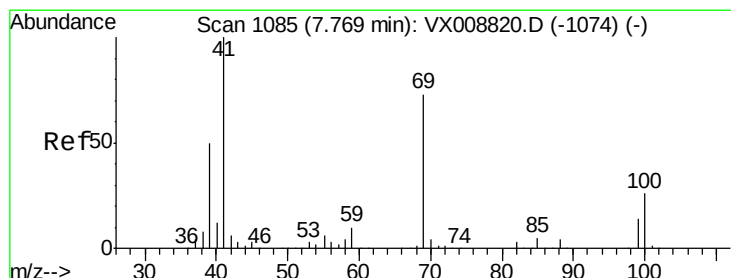
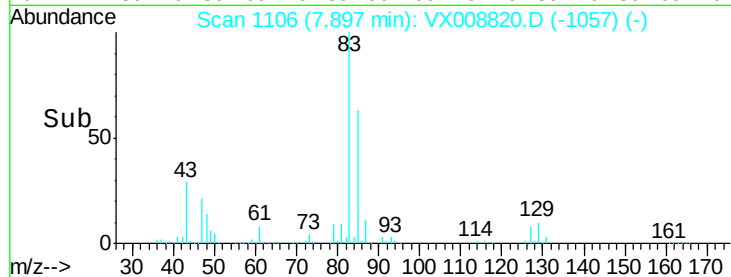
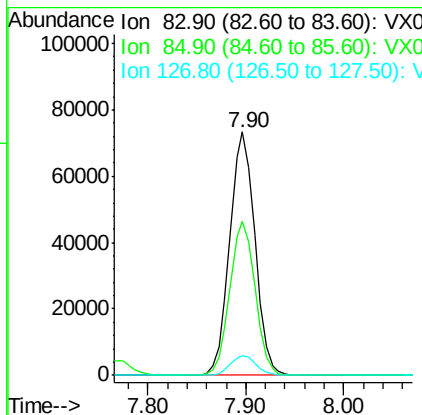
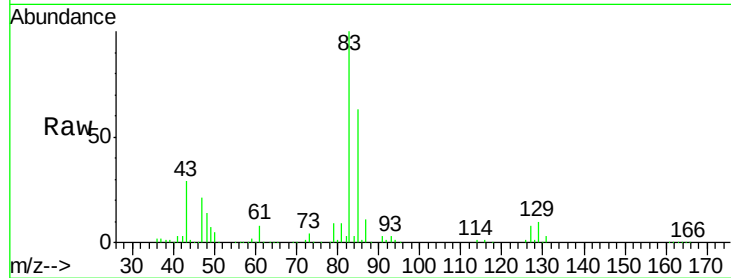
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	131460
Ion Ratio	Lower	Upper	
83	100		
85	63.2	51.2	76.8
127	8.2	6.6	10.0

Manual Integrations
APPROVED

MMDadoda
4/11/2019 11:48:26 AM



#48

Methyl methacrylate

Concen: 48.416 ug/l

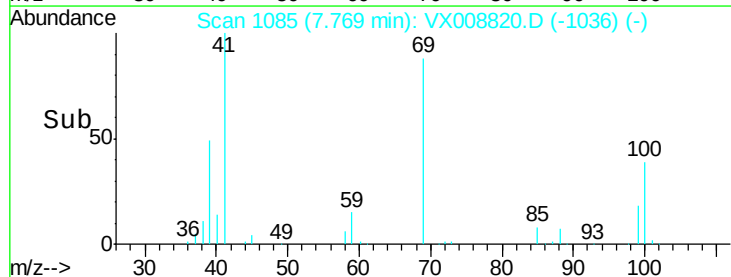
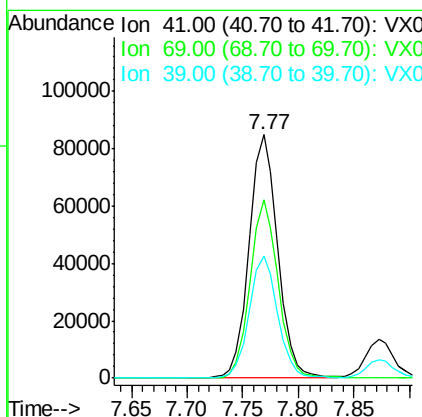
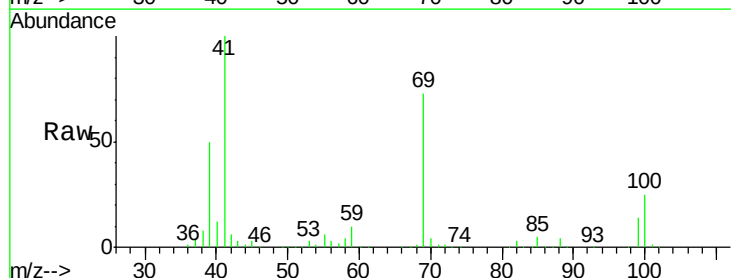
RT: 7.77 min Scan# 1085

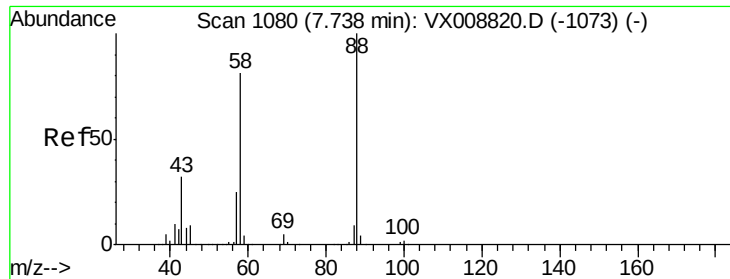
Delta R.T. -0.00 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

Tgt Ion:	41	Resp:	151746
Ion Ratio	Lower	Upper	
41	100		
69	72.4	59.0	88.4
39	49.8	41.0	61.4





#49

1,4-Dioxane

Concen: 919.498 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

Instrument :

MSVOA_X

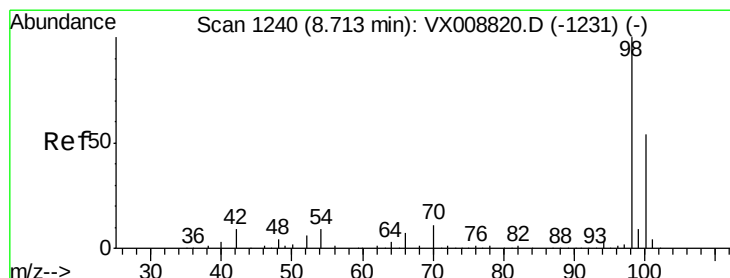
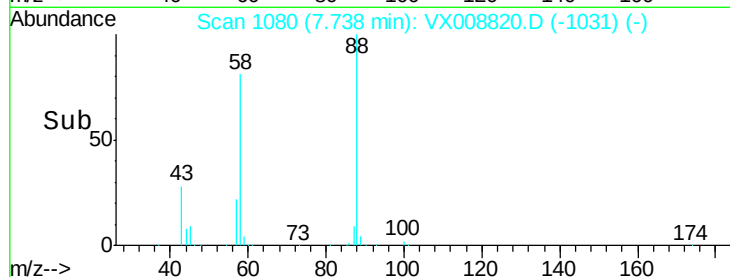
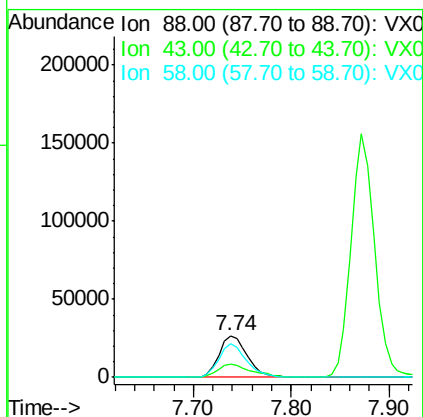
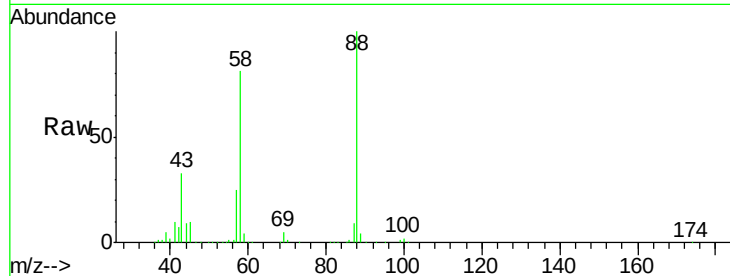
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	53986
Ion	Ratio	Lower	Upper
88	100		
43	37.0	28.6	43.0
58	79.8	62.2	93.2

Manual Integrations
APPROVED

MMDadoda
4/11/2019 11:48:26 AM



#50

Toluene-d8

Concen: 50.313 ug/l

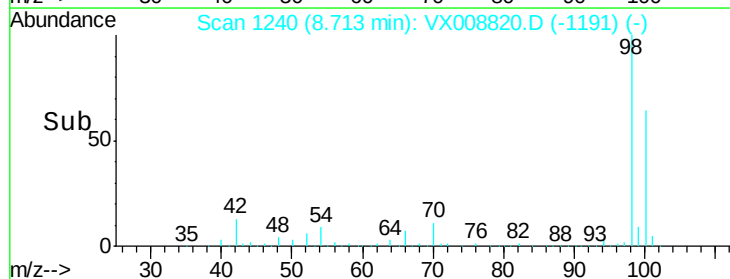
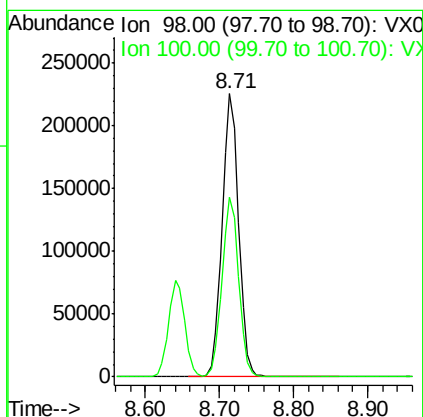
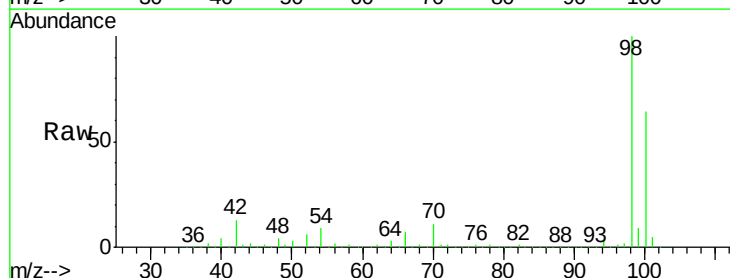
RT: 8.71 min Scan# 1240

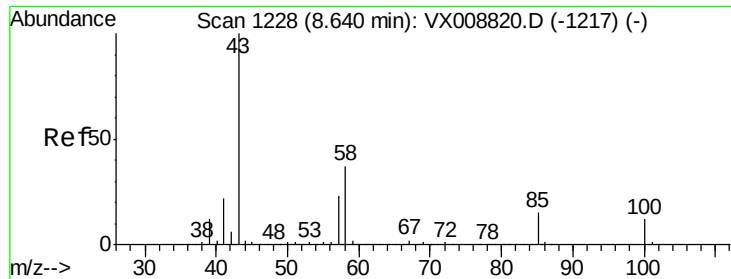
Delta R.T. -0.00 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

Tgt Ion:	98	Resp:	347218
Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 245.221 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 978072

Ion Ratio Lower Upper

43 100

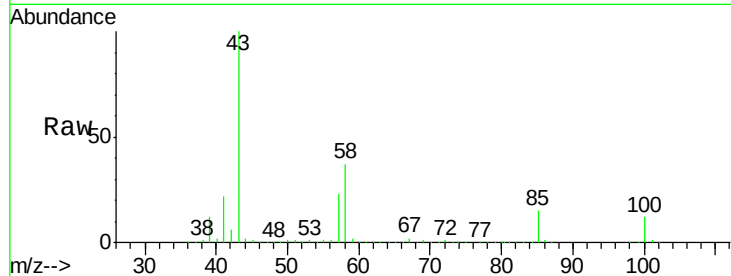
58 36.5 29.5 44.3

Manual Integrations

APPROVED

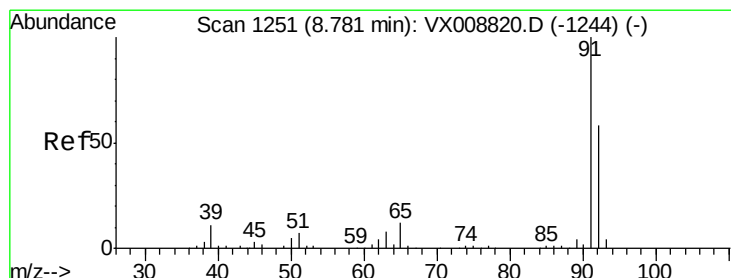
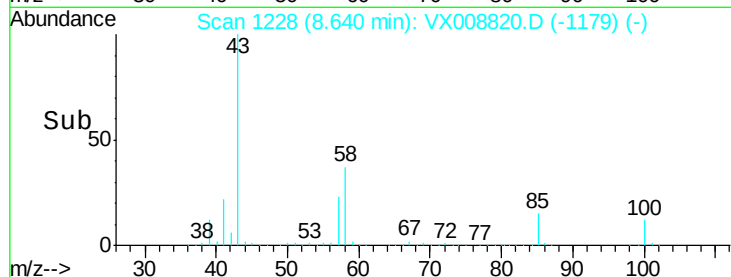
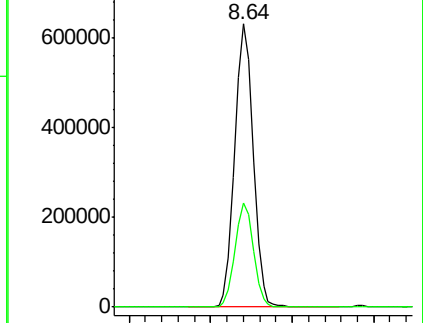
MMDadoda

4/11/2019 11:48:26 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 46.668 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008820.D

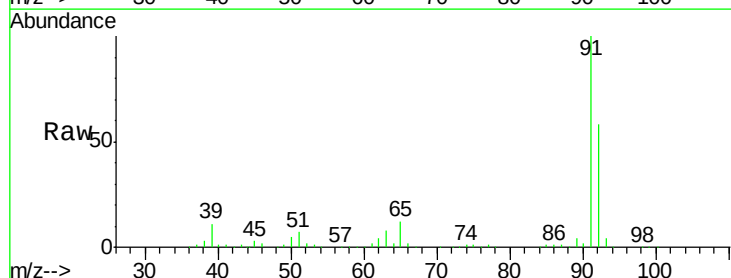
Acq: 10 Apr 2019 21:22

Tgt Ion: 92 Resp: 242879

Ion Ratio Lower Upper

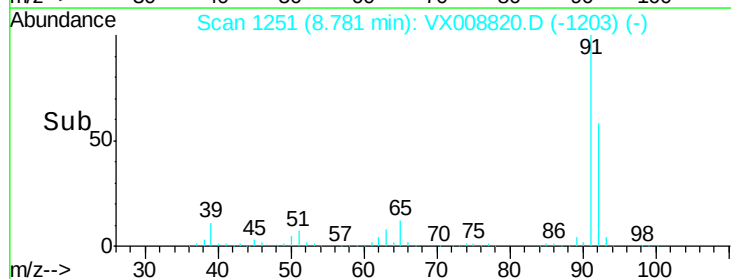
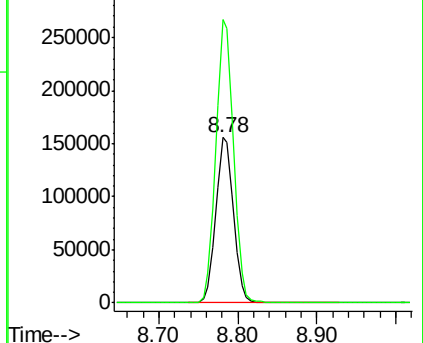
92 100

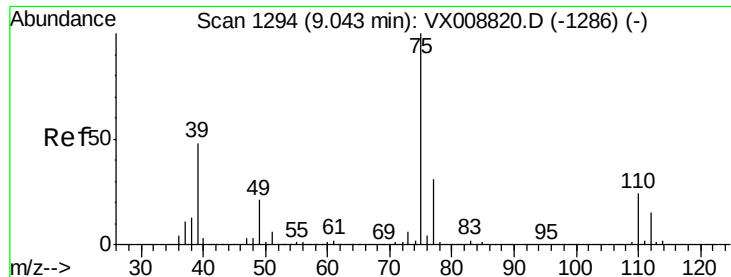
91 172.2 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 48.529 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 75 Resp: 149784

Ion Ratio Lower Upper

75 100

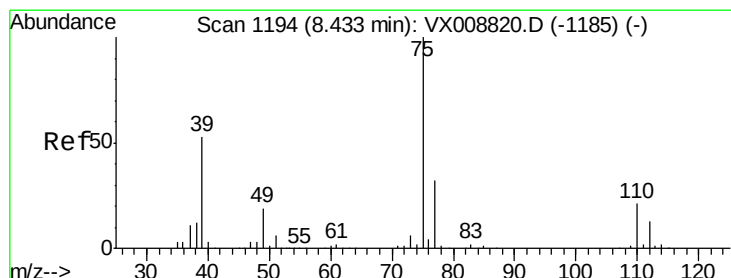
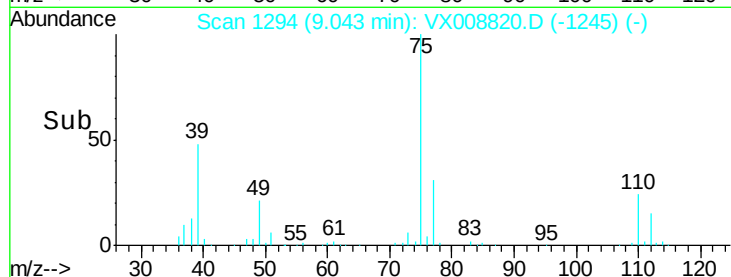
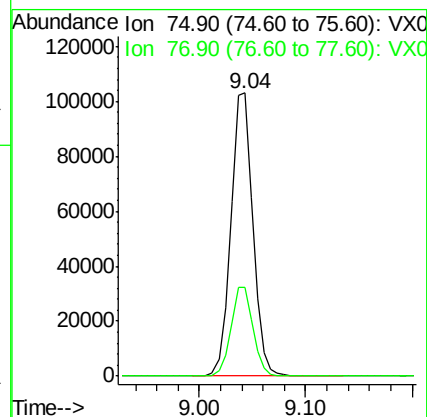
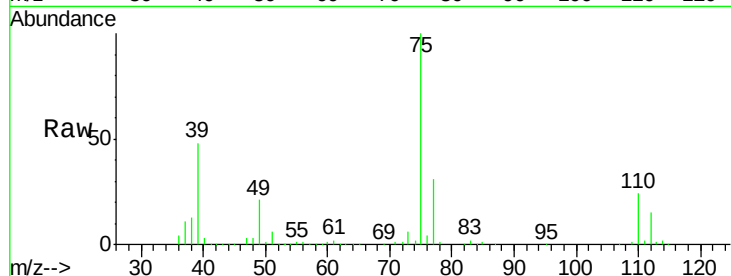
77 31.2 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

4/11/2019 11:48:26 AM



#54

cis-1,3-Dichloropropene

Concen: 47.340 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

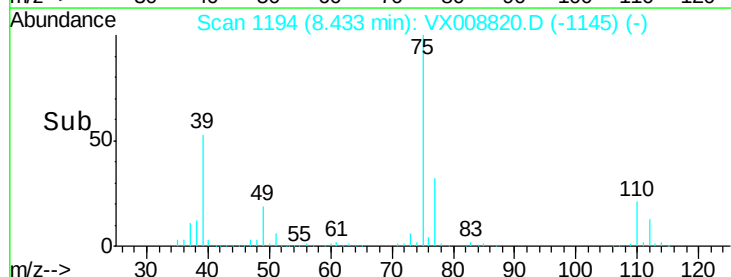
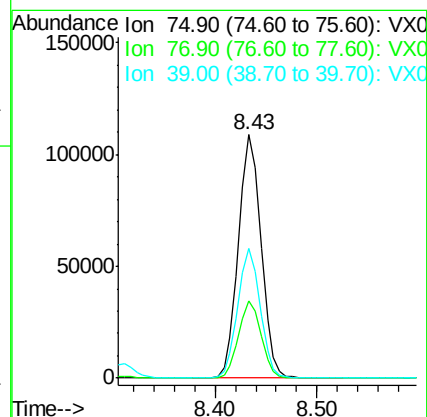
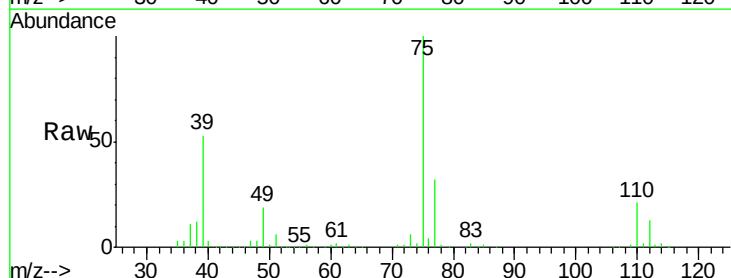
Tgt Ion: 75 Resp: 166955

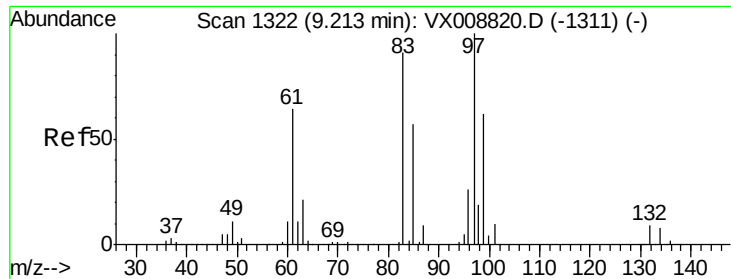
Ion Ratio Lower Upper

75 100

77 31.8 25.3 37.9

39 53.3 42.6 63.8





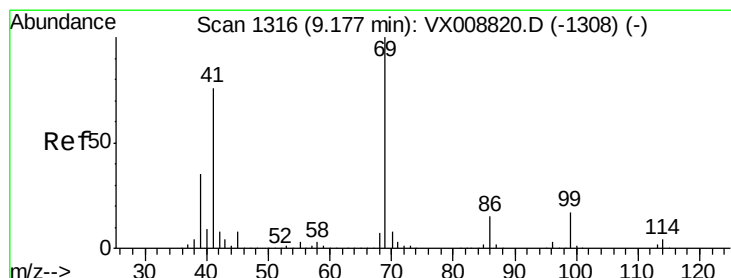
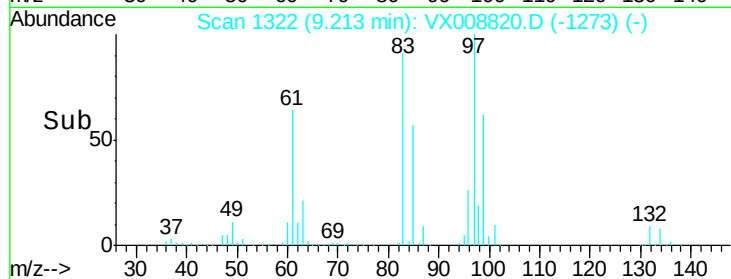
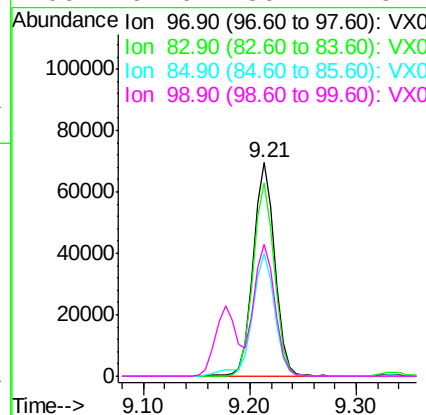
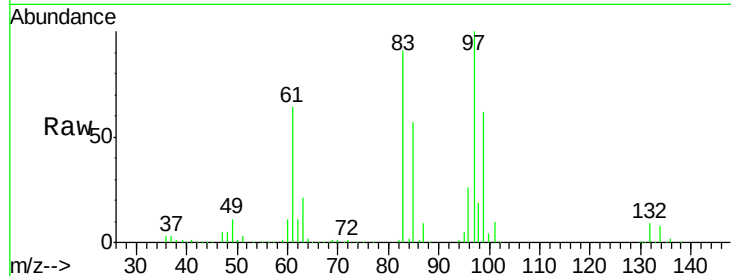
#55
 1,1,2-Trichloroethane
 Concen: 47.628 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008820.D
 Acq: 10 Apr 2019 21:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		99498		
83	90.5	73.2	109.8		
85	57.5	46.6	69.8		
99	61.6	50.1	75.1		

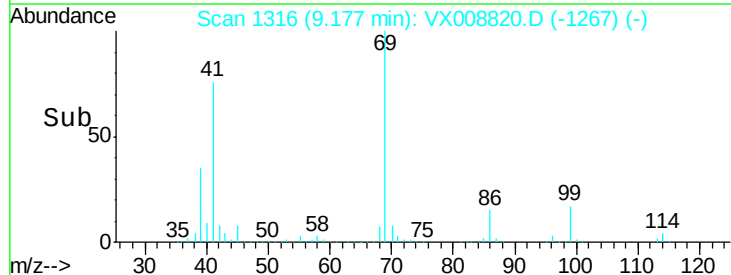
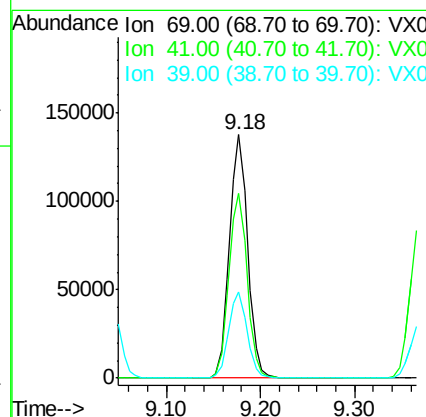
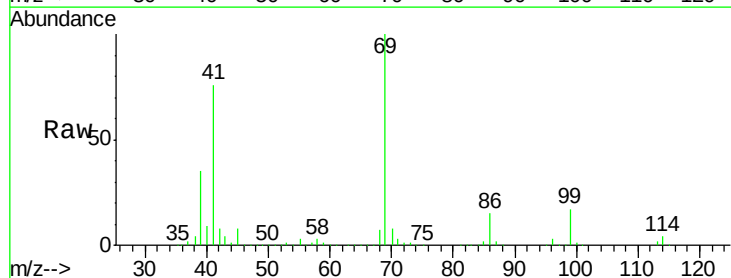
Manual Integrations
 APPROVED

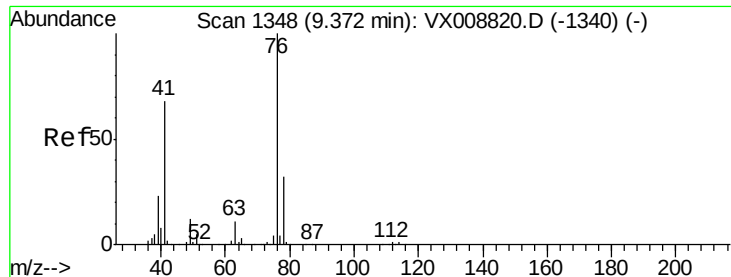
MMDadoda
 4/11/2019 11:48:26 AM



#56
 Ethyl methacrylate
 Concen: 49.035 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008820.D
 Acq: 10 Apr 2019 21:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		185343		
41	76.2	60.1	90.1		
39	35.5	28.9	43.3		





#57

1,3-Dichloropropane

Concen: 47.279 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 177356

Ion Ratio Lower Upper

76 100

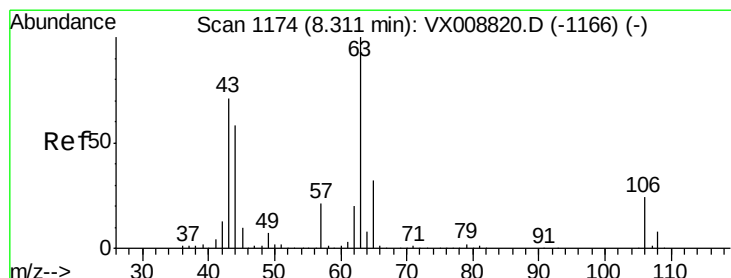
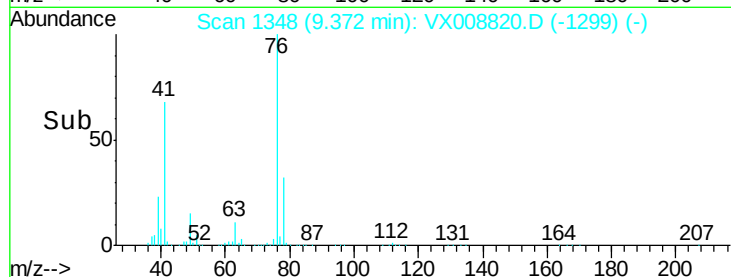
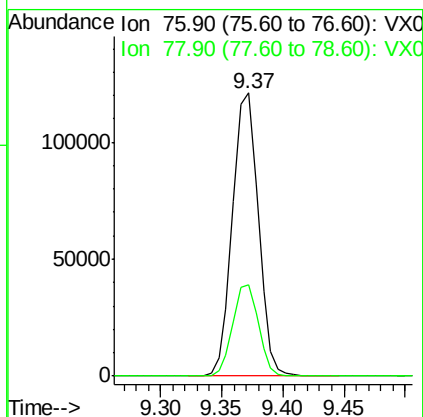
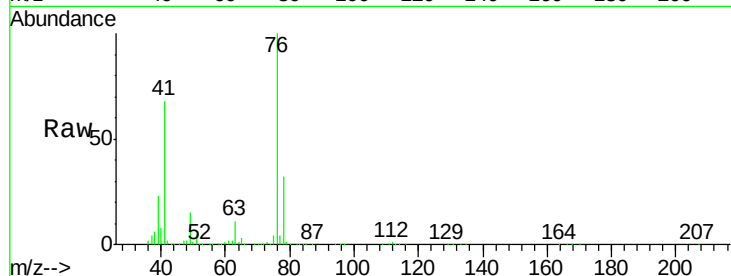
78 32.4 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

4/11/2019 11:48:26 AM



#58

2-Chloroethyl Vinyl ether

Concen: 256.046 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX008820.D

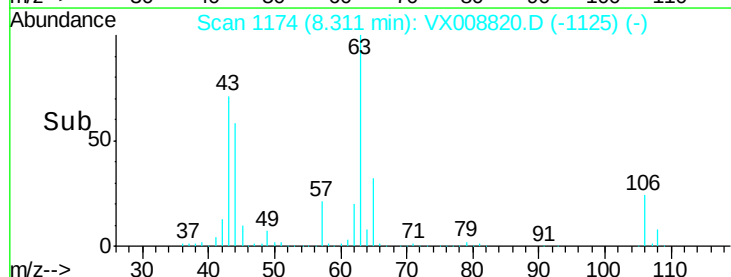
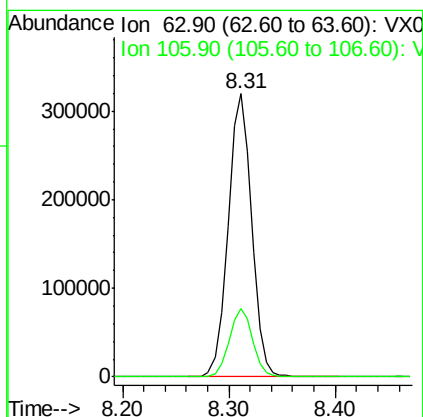
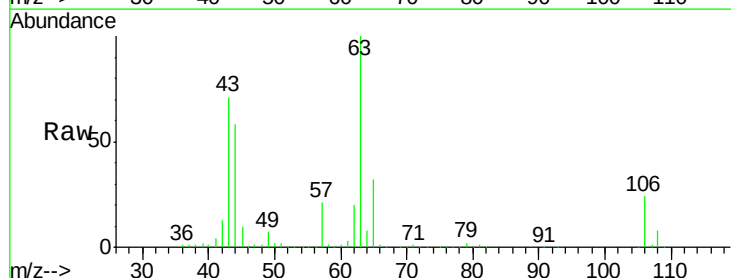
Acq: 10 Apr 2019 21:22

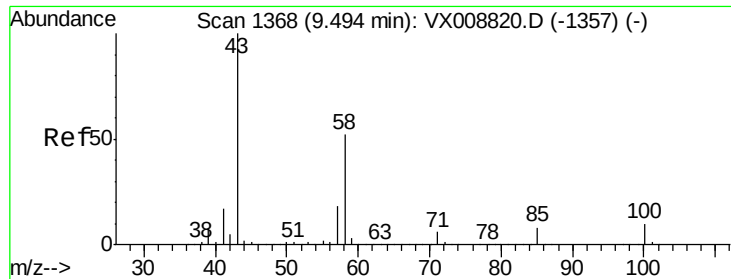
Tgt Ion: 63 Resp: 494181

Ion Ratio Lower Upper

63 100

106 24.0 19.0 28.6





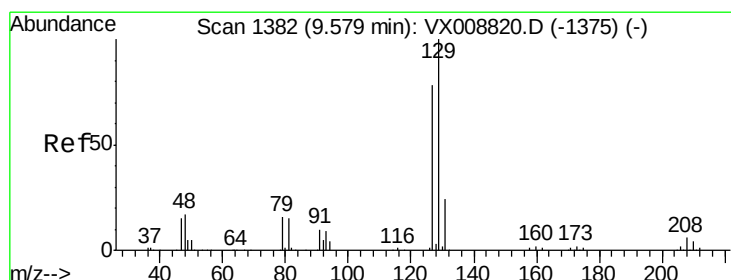
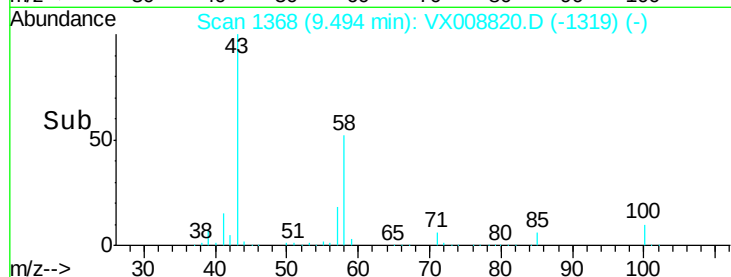
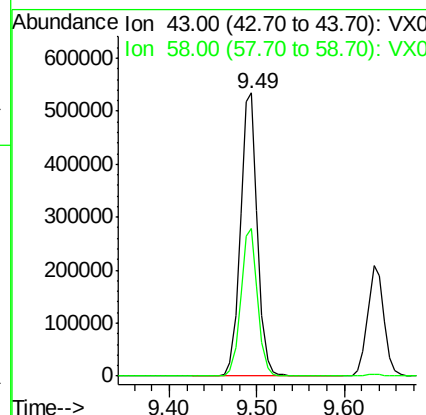
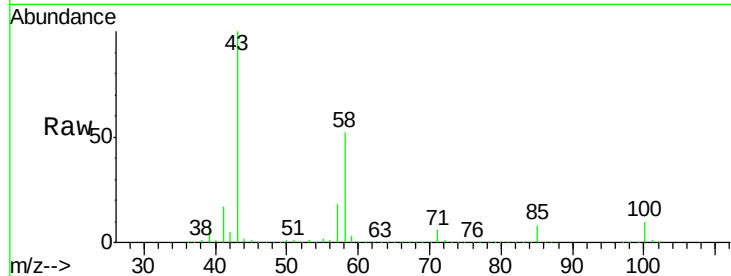
#59
2-Hexanone
Concen: 233.966 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX008820.D
Acq: 10 Apr 2019 21:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 725220
Ion Ratio Lower Upper
43 100
58 51.6 25.9 77.7

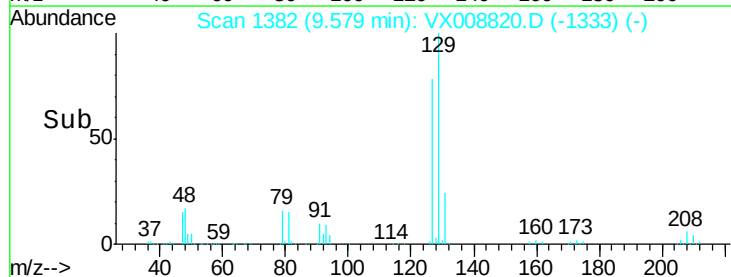
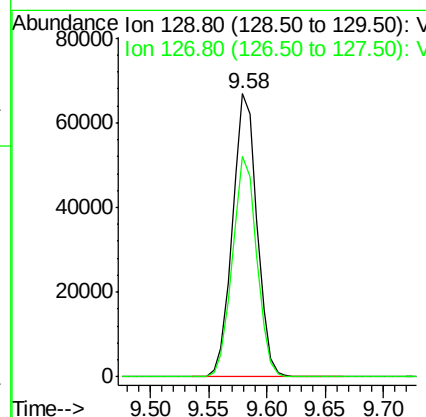
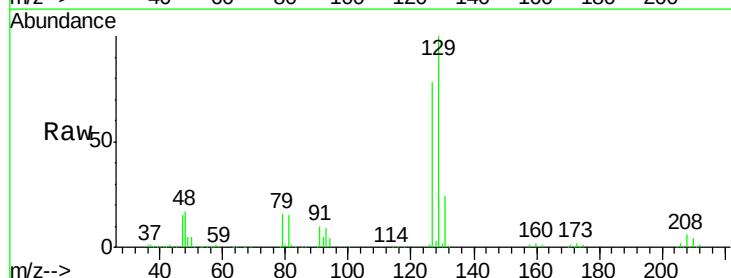
Manual Integrations
APPROVED

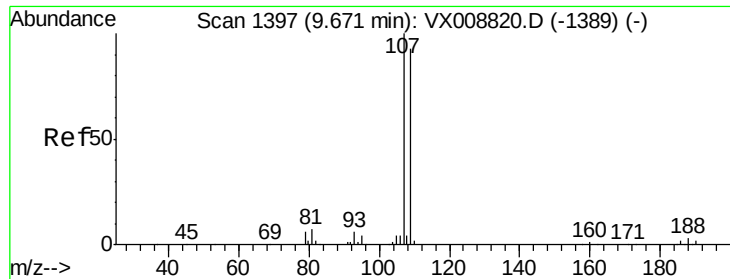
MMDadoda
4/11/2019 11:48:26 AM



#60
Dibromochloromethane
Concen: 49.711 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008820.D
Acq: 10 Apr 2019 21:22

Tgt Ion: 129 Resp: 97861
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.3





#61

1,2-Dibromoethane

Concen: 46.890 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 101978

Ion Ratio Lower Upper

107 100

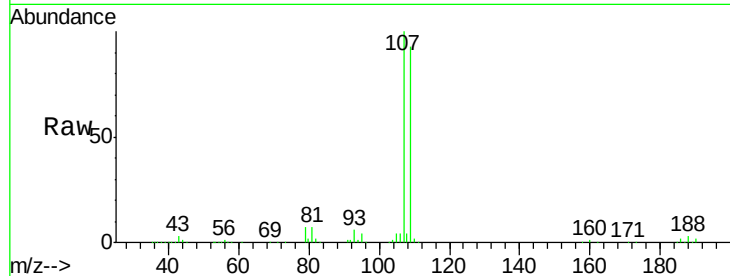
109 93.6 74.1 111.1

Manual Integrations

APPROVED

MMDadoda

4/11/2019 11:48:26 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

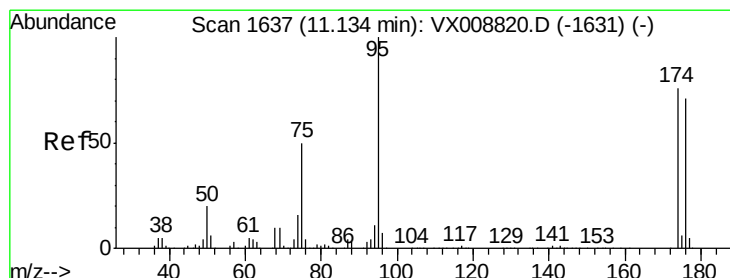
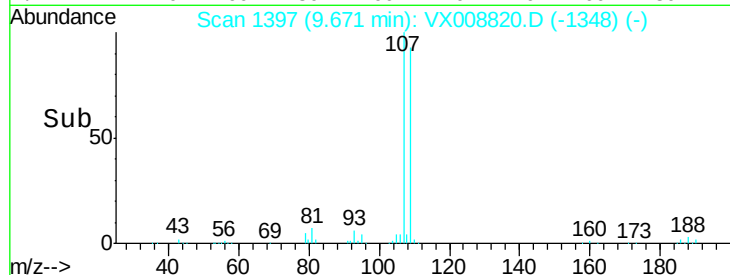
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.446 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

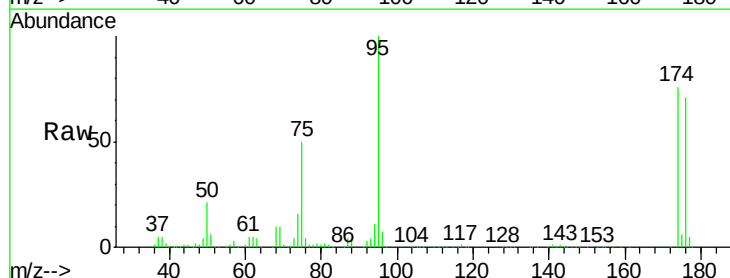
Tgt Ion: 95 Resp: 123455

Ion Ratio Lower Upper

95 100

174 78.8 0.0 151.8

176 75.3 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

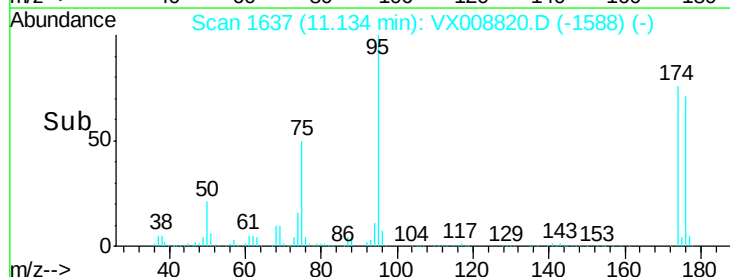
11.13

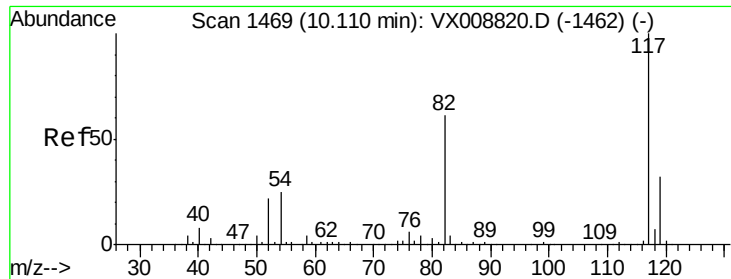
100000

50000

0

Time-->





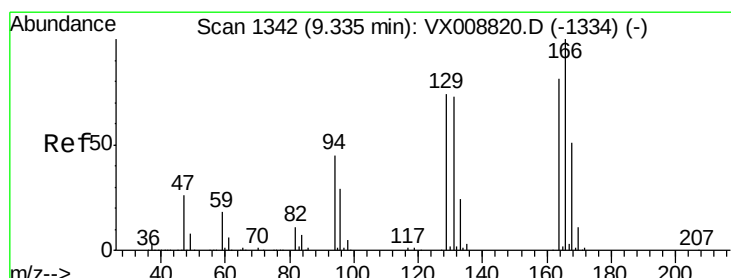
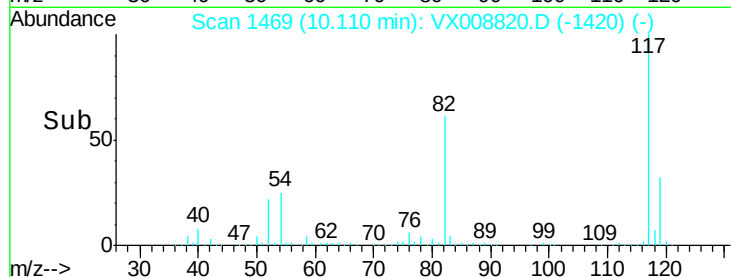
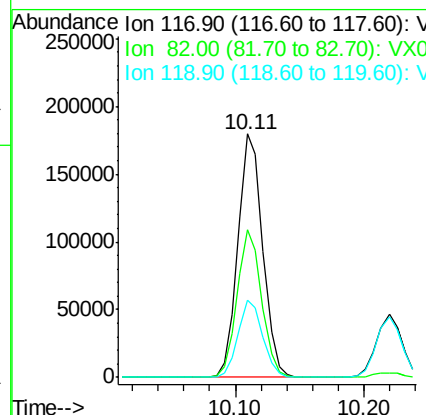
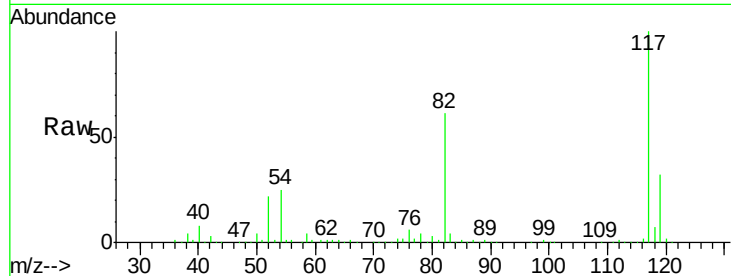
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008820.D
Acq: 10 Apr 2019 21:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	241857		
82	60.6	49.6	74.4	
119	31.9	25.0	37.4	

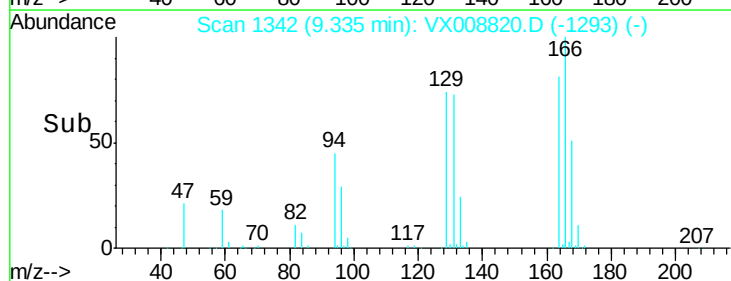
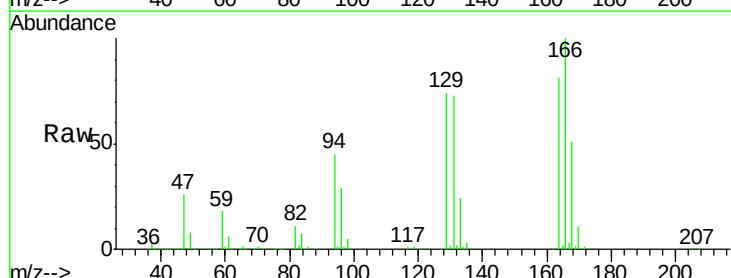
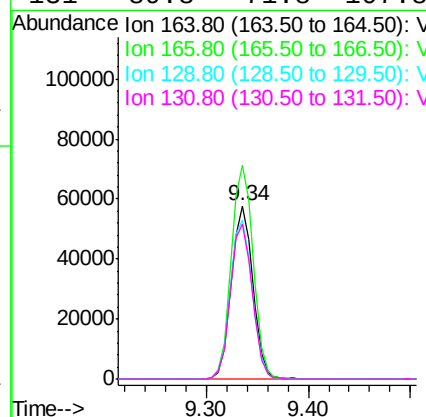
Manual Integrations
APPROVED

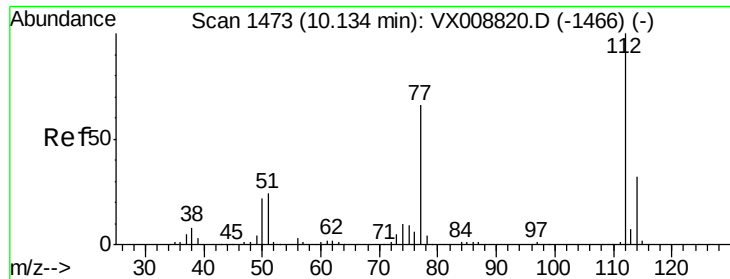
MMDadoda
4/11/2019 11:48:26 AM



#64
Tetrachloroethene
Concen: 46.622 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008820.D
Acq: 10 Apr 2019 21:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	83542		
166	123.6	101.0	151.6	
129	91.8	75.8	113.8	
131	89.8	71.8	107.8	





#65

Chlorobenzene

Concen: 46.208 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 247732

Ion Ratio Lower Upper

112 100

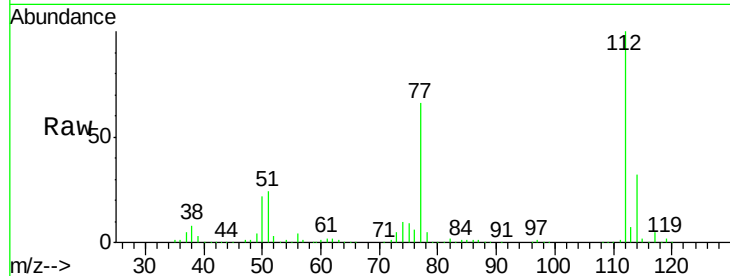
114 32.4 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

4/11/2019 11:48:26 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.13

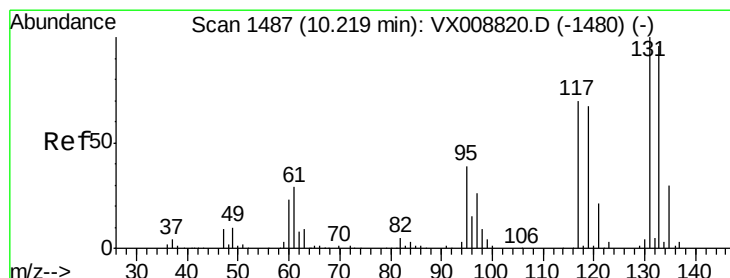
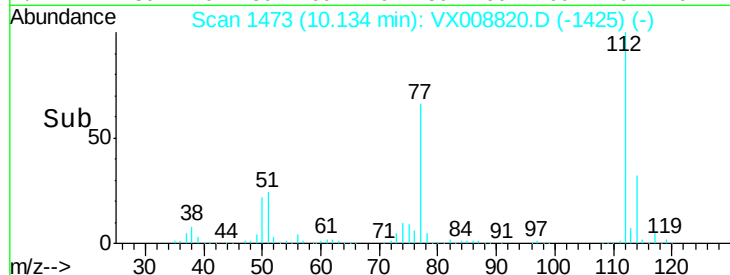
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 47.729 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

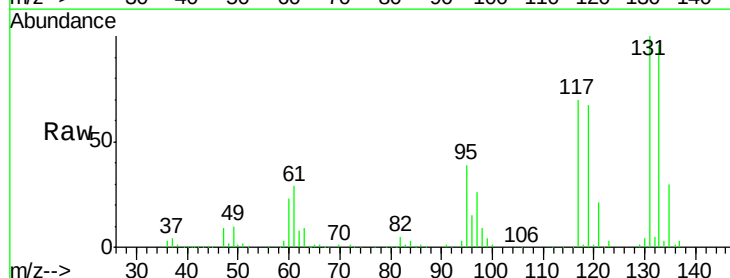
Tgt Ion:131 Resp: 89770

Ion Ratio Lower Upper

131 100

133 96.1 47.0 141.2

119 67.4 33.7 101.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.22

80000

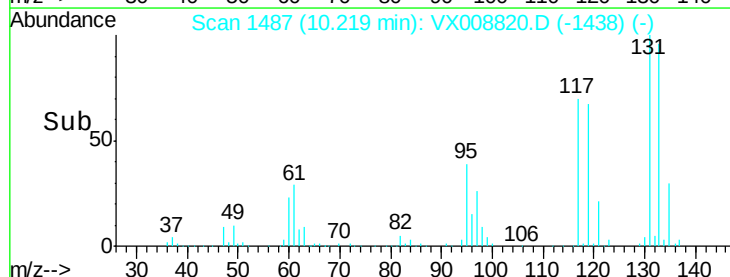
60000

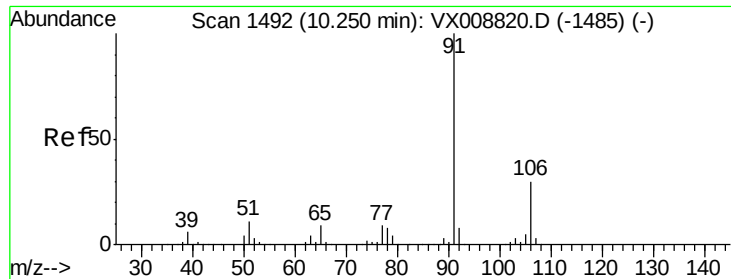
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 46.297 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 462824

Ion Ratio Lower Upper

91 100

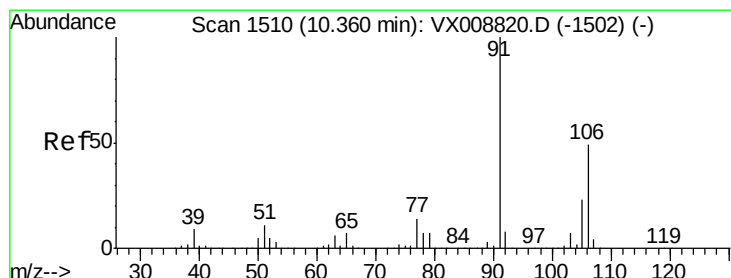
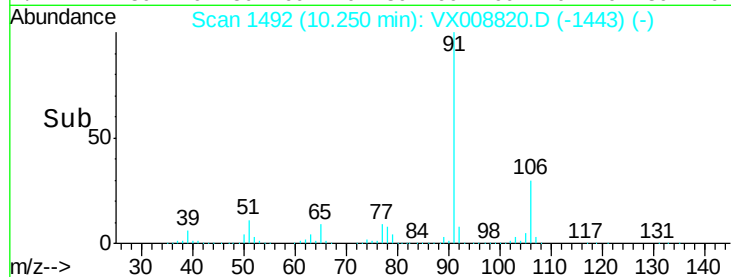
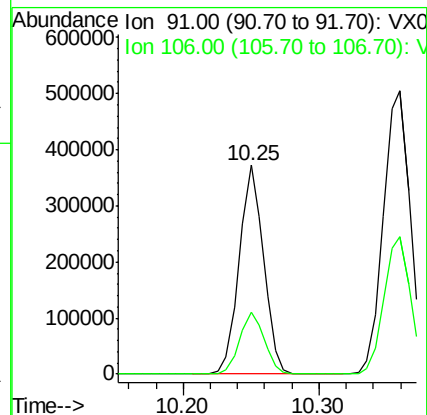
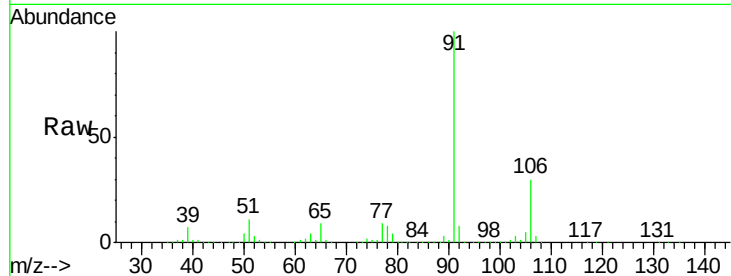
106 29.9 23.7 35.5

Manual Integrations

APPROVED

MMDadoda

4/11/2019 11:48:26 AM



#68

m/p-Xylenes

Concen: 92.561 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008820.D

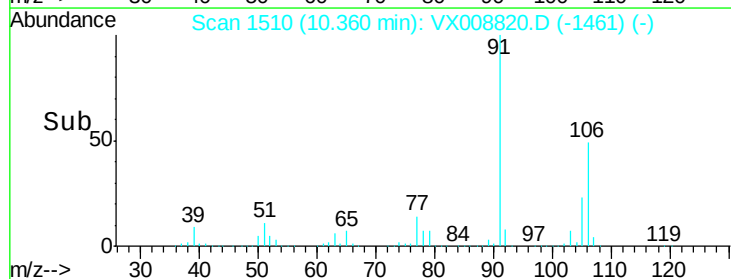
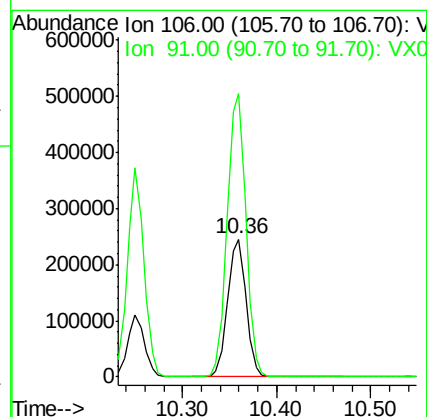
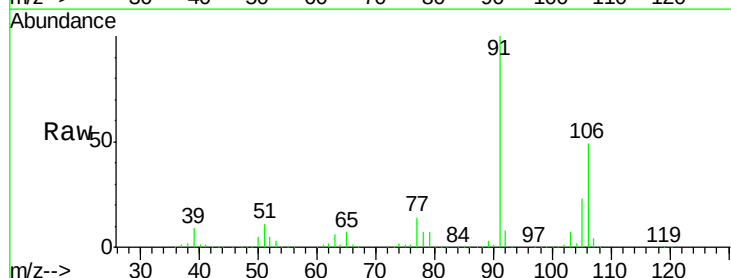
Acq: 10 Apr 2019 21:22

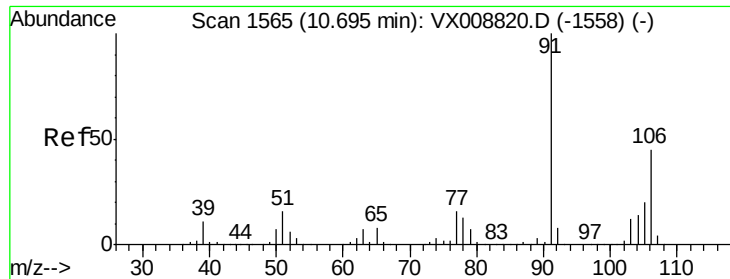
Tgt Ion: 106 Resp: 332704

Ion Ratio Lower Upper

106 100

91 208.3 168.5 252.7





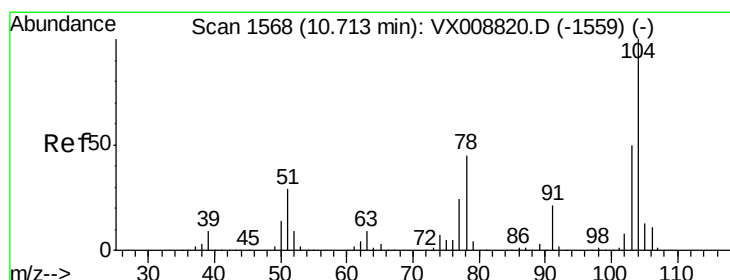
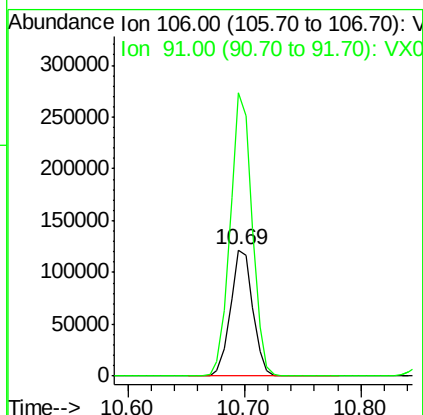
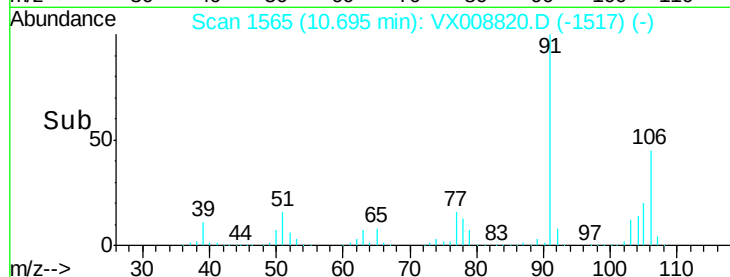
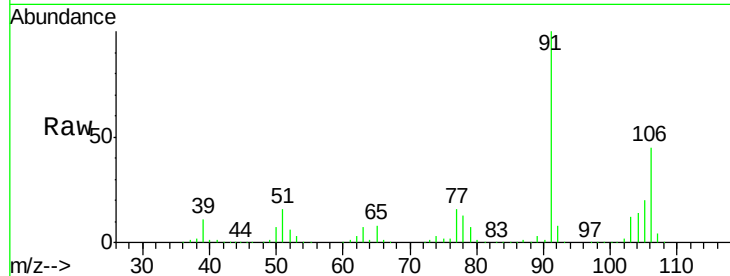
#69
o-Xylene
Concen: 46.664 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008820.D
Acq: 10 Apr 2019 21:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 162551
Ion Ratio Lower Upper
106 100
91 220.3 111.5 334.4

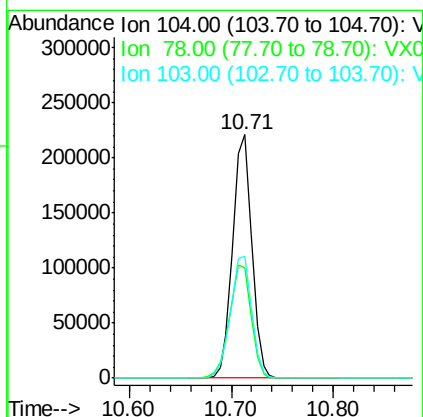
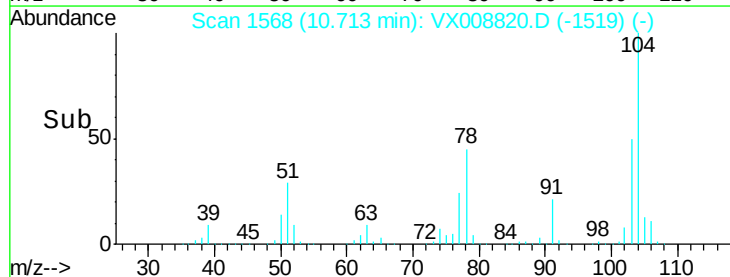
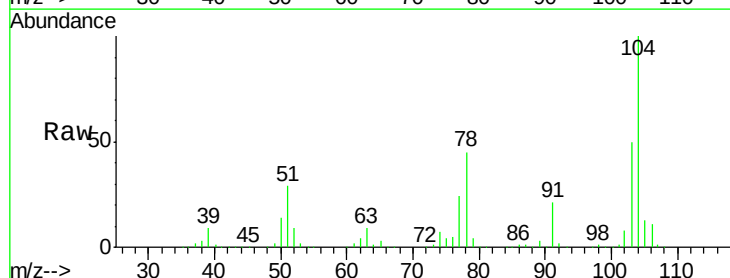
Manual Integrations
APPROVED

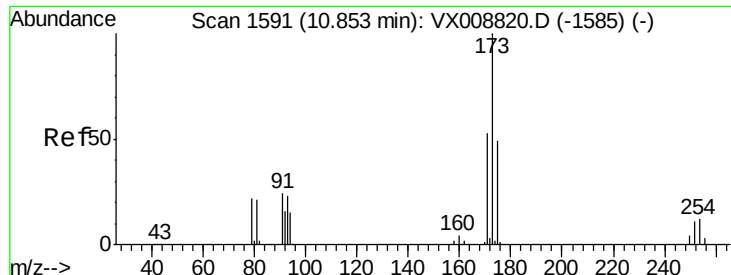
MMDadoda
4/11/2019 11:48:26 AM



#70
Styrene
Concen: 47.624 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008820.D
Acq: 10 Apr 2019 21:22

Tgt Ion:104 Resp: 285959
Ion Ratio Lower Upper
104 100
78 52.4 42.3 63.5
103 55.4 44.4 66.6





#71

Bromoform

Concen: 49.238 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 70728

Ion Ratio Lower Upper

173 100

175 49.0 24.9 74.6

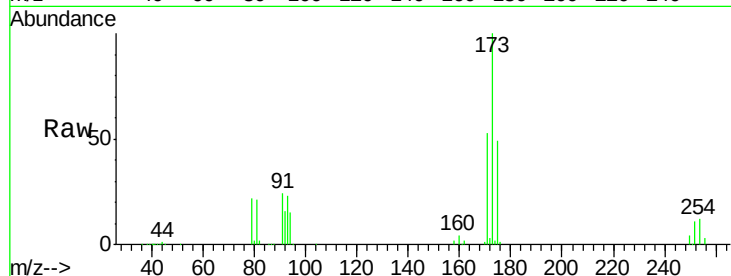
254 0.1 0.1 0.1#

Manual Integrations

APPROVED

MMDadoda

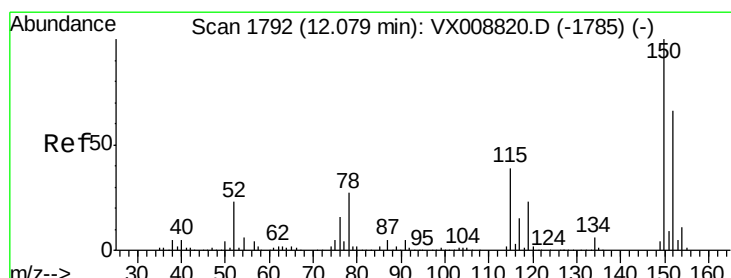
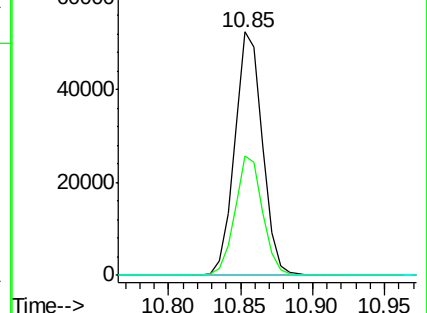
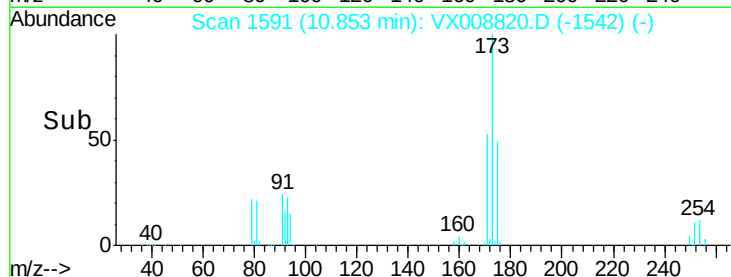
4/11/2019 11:48:26 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

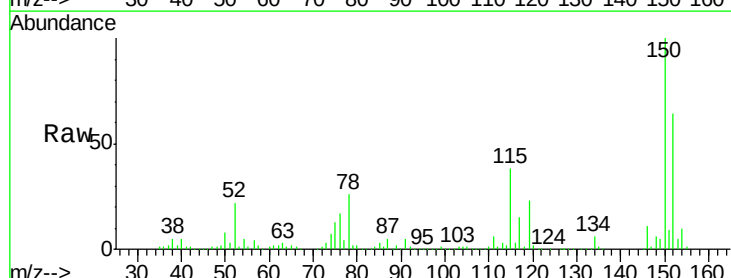
Tgt Ion:152 Resp: 110212

Ion Ratio Lower Upper

152 100

115 84.1 43.5 130.5

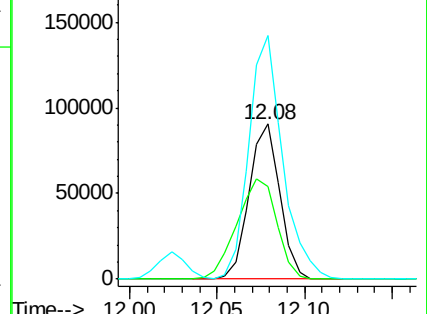
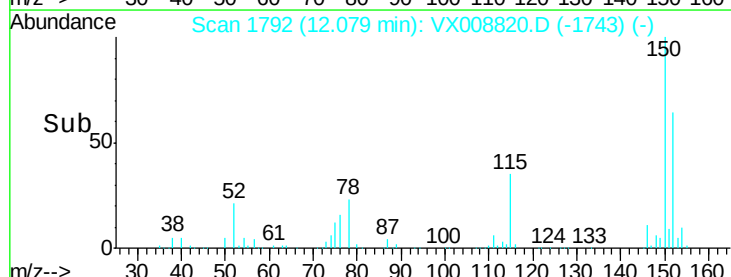
150 172.7 0.0 348.8

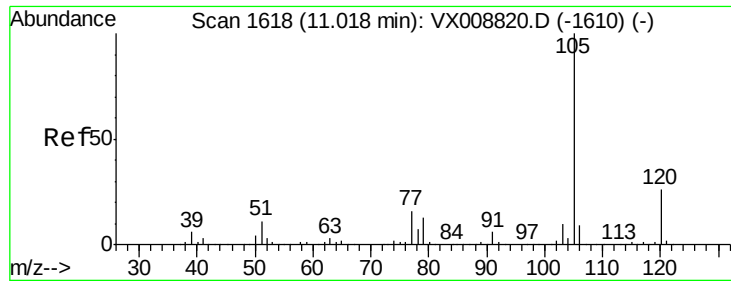


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.667 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 435375

Ion Ratio Lower Upper

105 100

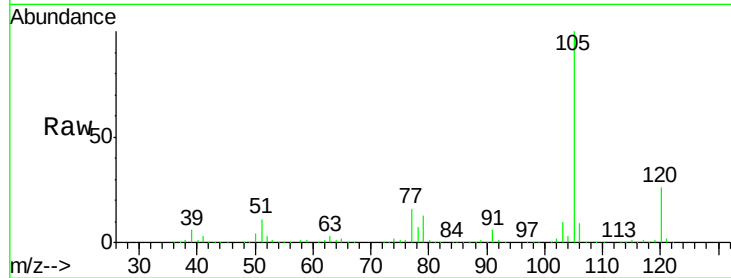
120 25.9 12.9 38.6

Manual Integrations

APPROVED

MMDadoda

4/11/2019 11:48:26 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

400000

300000

200000

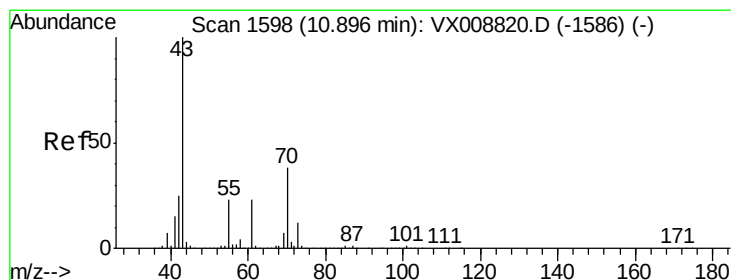
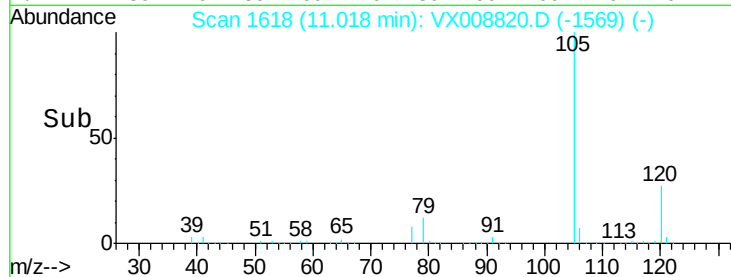
100000

0

11.02

11.10

Time-->



#74

N-ethyl acetate

Concen: 47.178 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

Tgt Ion: 43 Resp: 253517

Ion Ratio Lower Upper

43 100

70 37.5 30.2 45.4

55 22.8 18.2 27.4

61 22.8 18.6 28.0

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

300000

200000

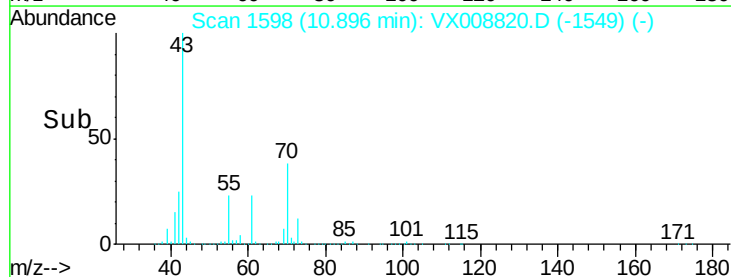
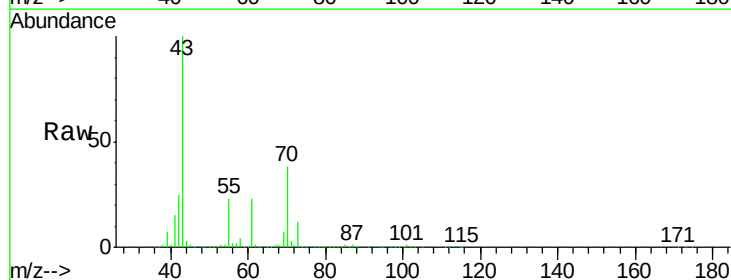
100000

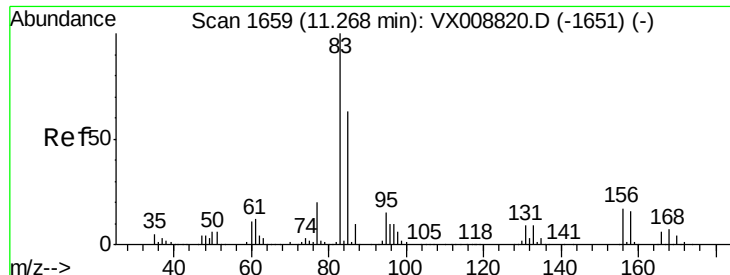
0

10.90

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 44.948 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

Instrument :

MSVOA_X

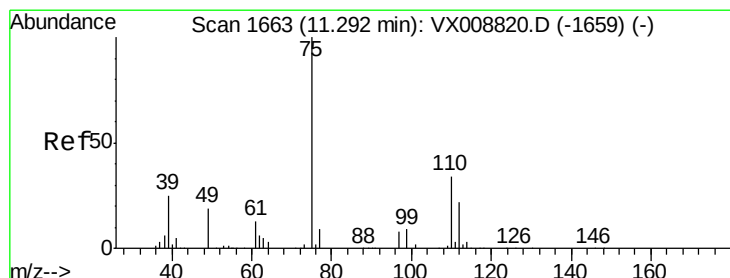
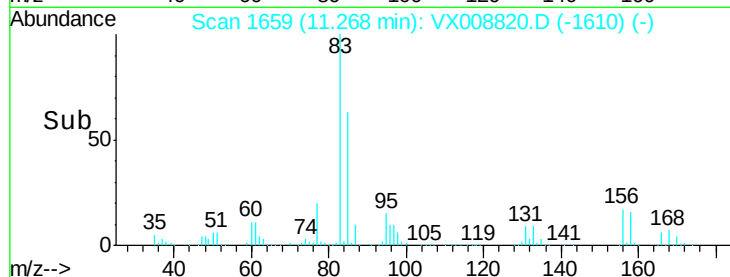
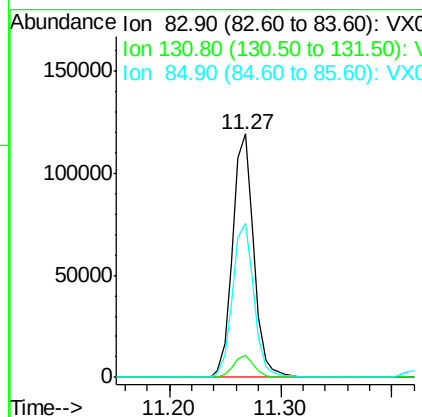
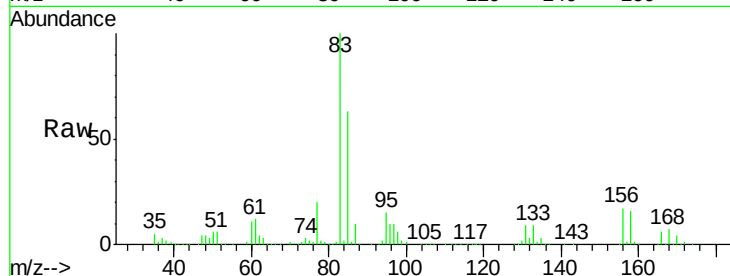
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	156135
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.5	13.7
85	64.3	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
4/11/2019 11:48:26 AM



#76

1,2,3-Trichloropropane

Concen: 45.565 ug/l m

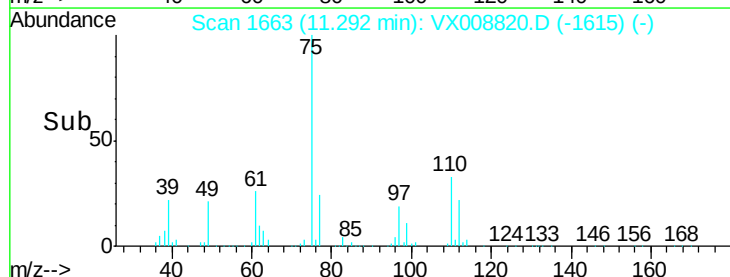
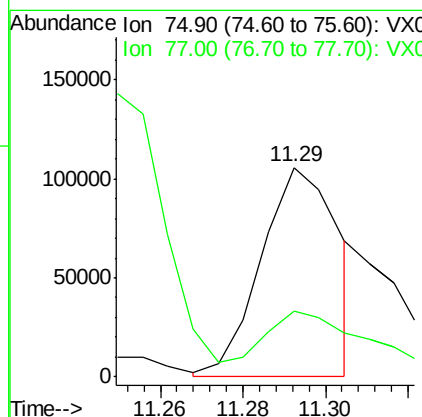
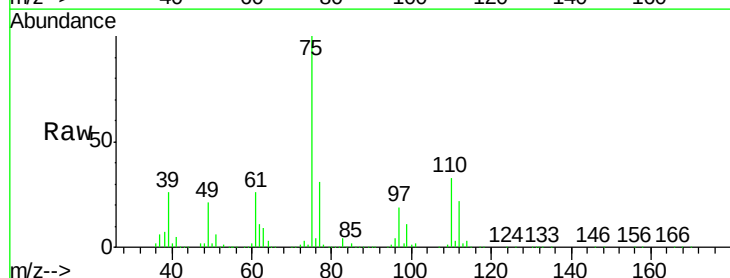
RT: 11.29 min Scan# 1663

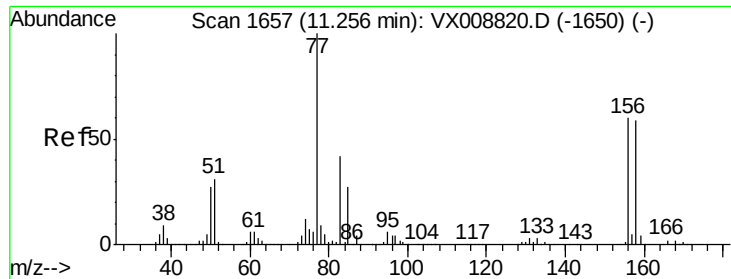
Delta R.T. -0.01 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

Tgt Ion:	75	Resp:	137953
Ion Ratio	Lower	Upper	
75	100		
77	43.1	22.3	66.8





#77

Bromobenzene

Concen: 47.714 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

Instrument :

MSVOA_X

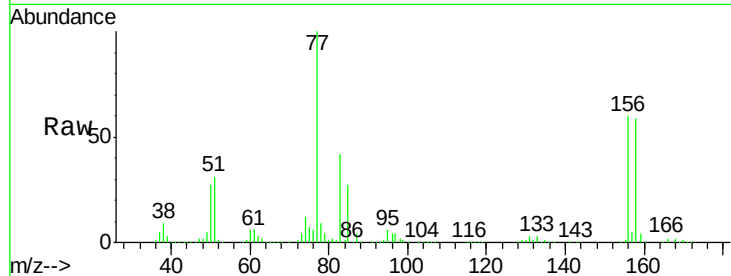
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	176.3	89.8	269.6
158	96.7	48.6	145.9

Manual Integrations
APPROVED

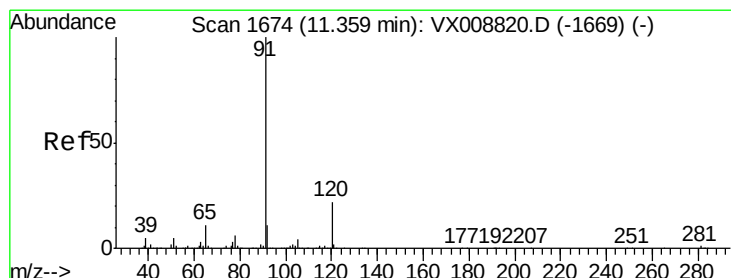
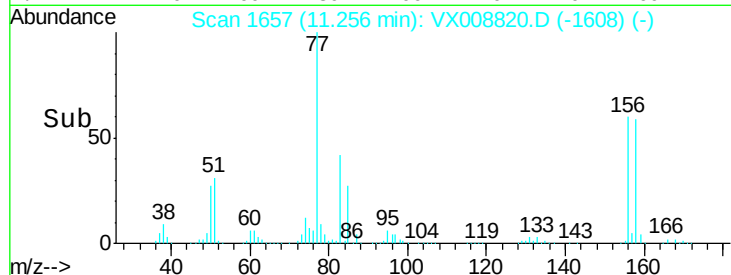
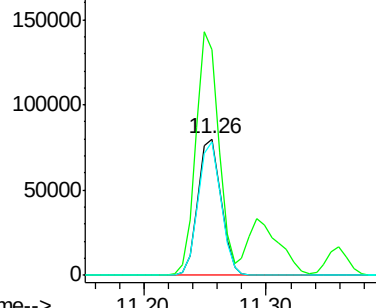
MMDadoda
4/11/2019 11:48:26 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.150 ug/l

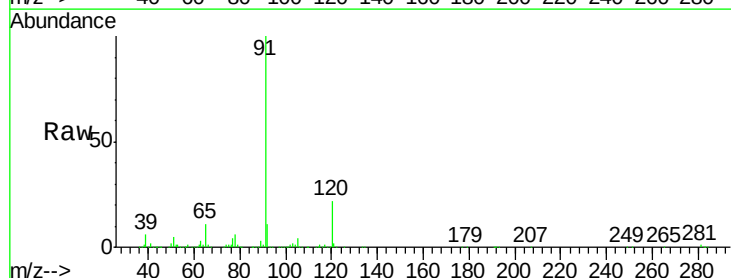
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008820.D

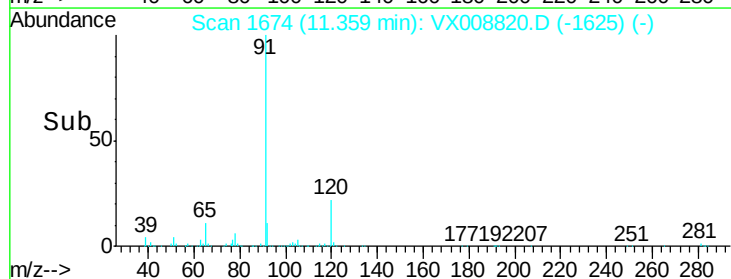
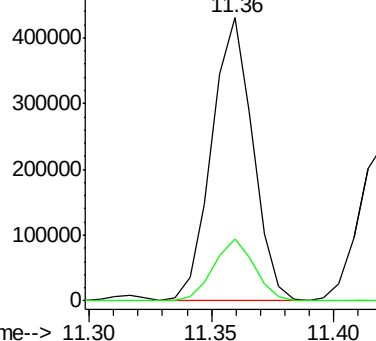
Acq: 10 Apr 2019 21:22

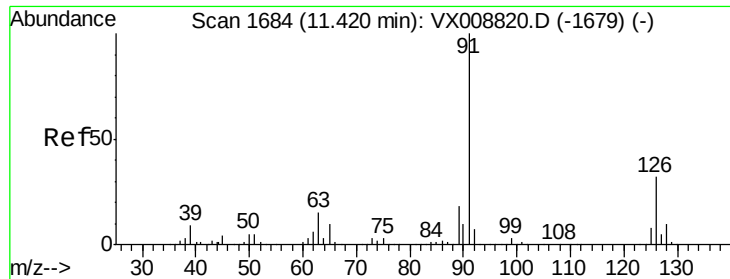
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.9	32.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.905 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 295432

Ion Ratio Lower Upper

91 100

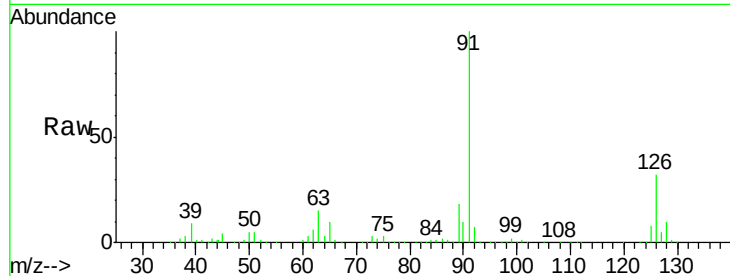
126 32.2 16.1 48.3

Manual Integrations

APPROVED

MMDadoda

4/11/2019 11:48:26 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

500000

400000

300000

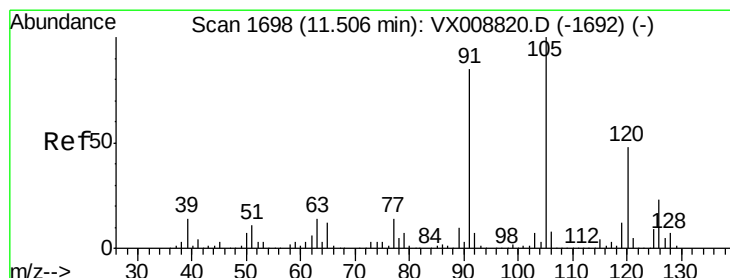
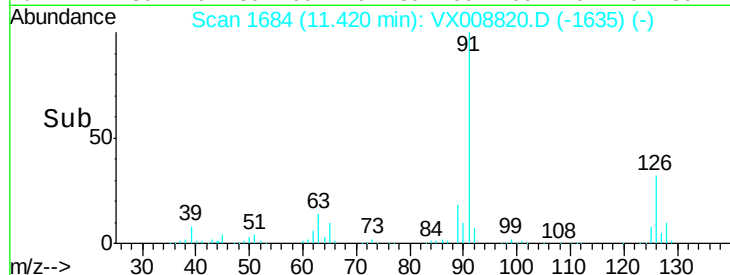
200000

100000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 47.294 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008820.D

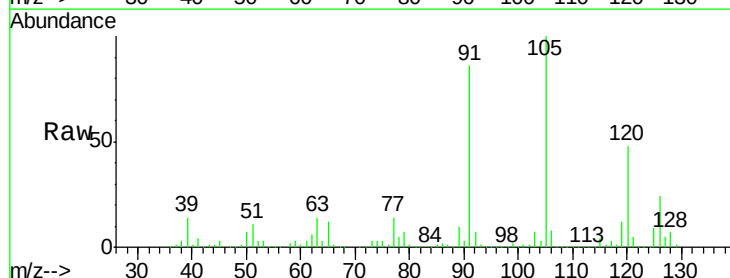
Acq: 10 Apr 2019 21:22

Tgt Ion:105 Resp: 362599

Ion Ratio Lower Upper

105 100

120 48.0 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

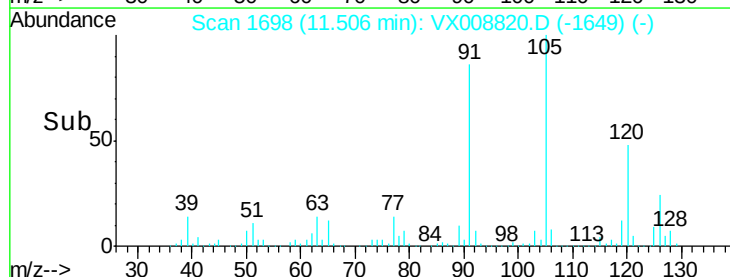
200000

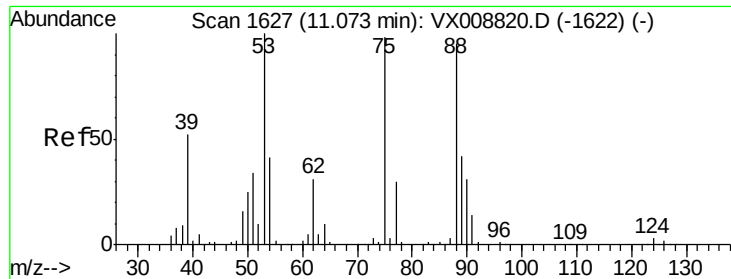
100000

0

11.50 11.60

Time-->





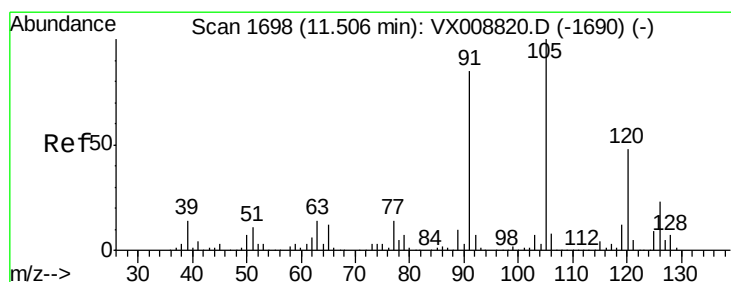
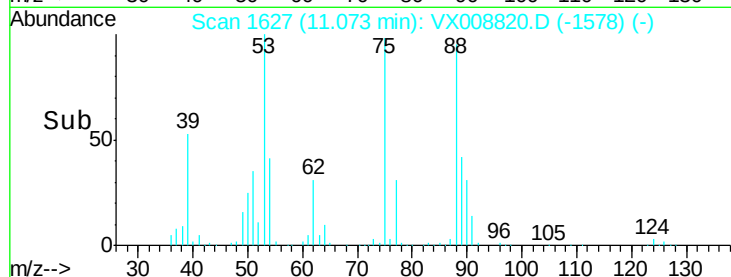
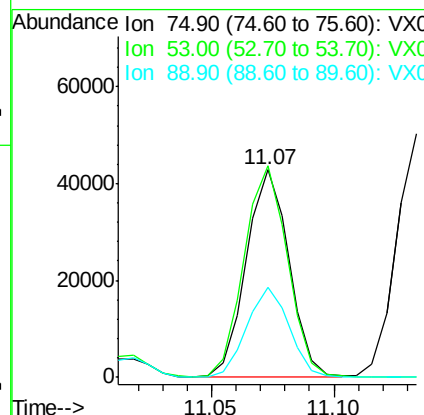
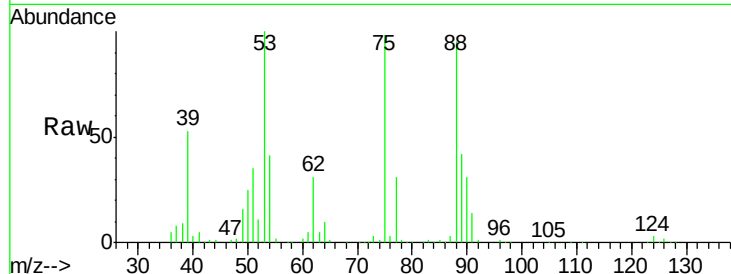
#81
trans-1,4-Dichloro-2-butene
Concen: 47.283 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX008820.D
Acq: 10 Apr 2019 21:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.4	81.3	121.9
89	43.6	35.6	53.4

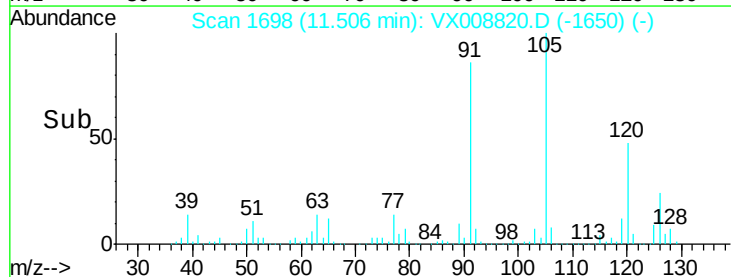
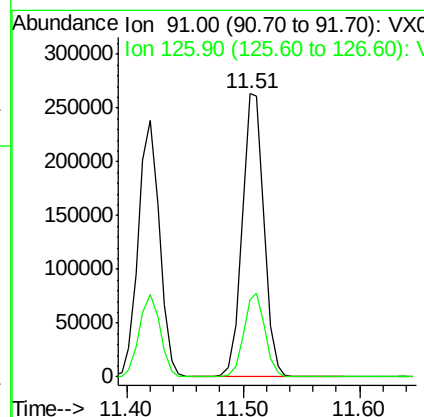
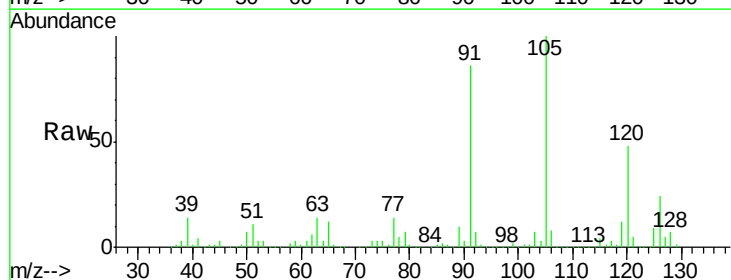
Manual Integrations
APPROVED

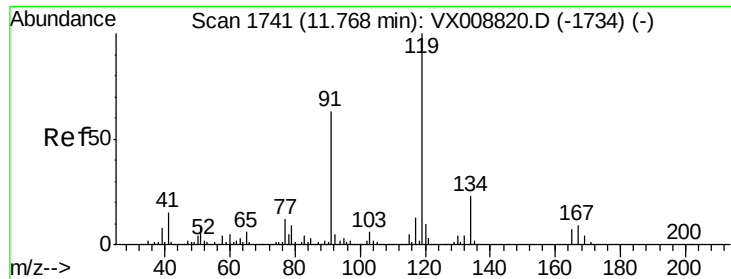
MMDadoda
4/11/2019 11:48:26 AM



#82
4-Chlorotoluene
Concen: 45.849 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX008820.D
Acq: 10 Apr 2019 21:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.6	13.9	41.6





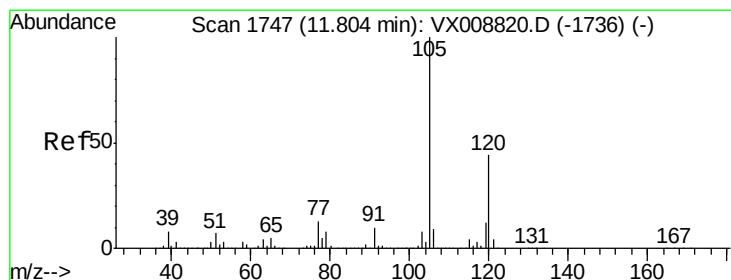
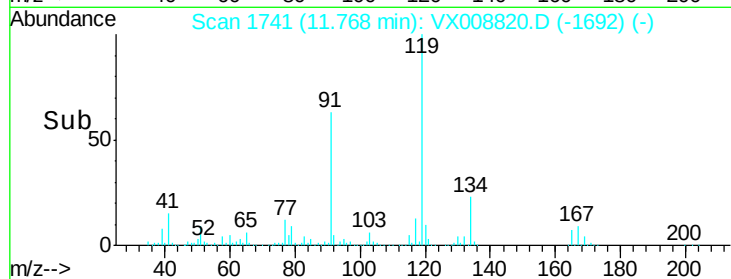
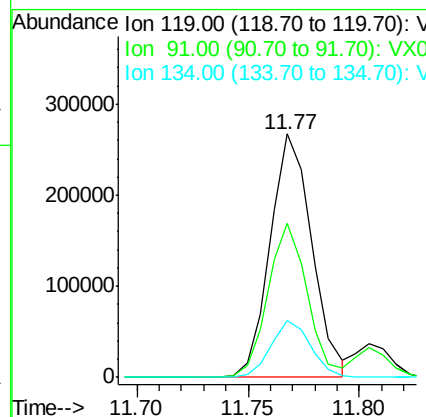
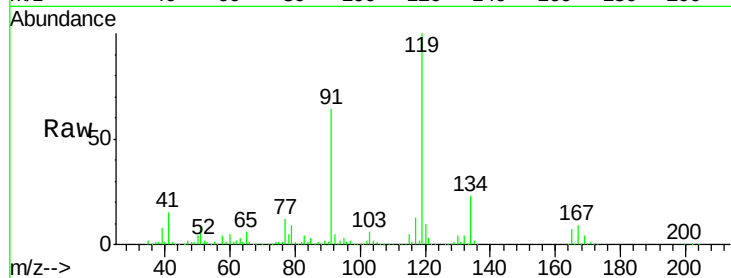
#83
 tert-Butylbenzene
 Concen: 47.142 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX008820.D
 Acq: 10 Apr 2019 21:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	347726		
91	59.9	30.0	90.1	
134	22.2	11.1	33.3	

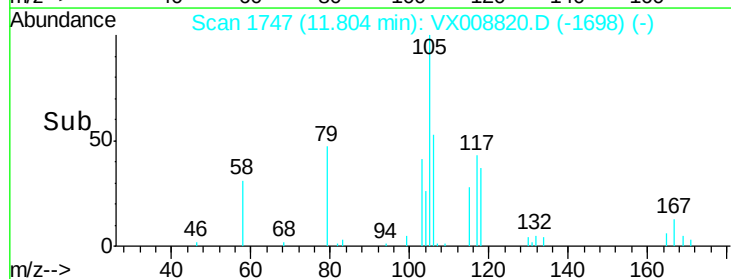
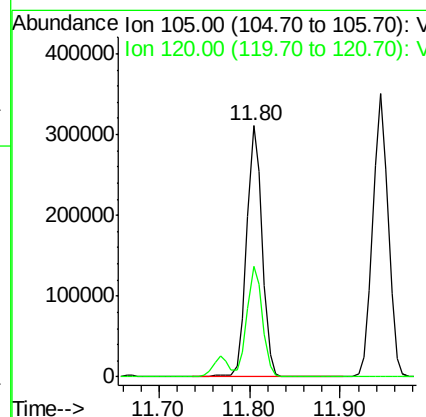
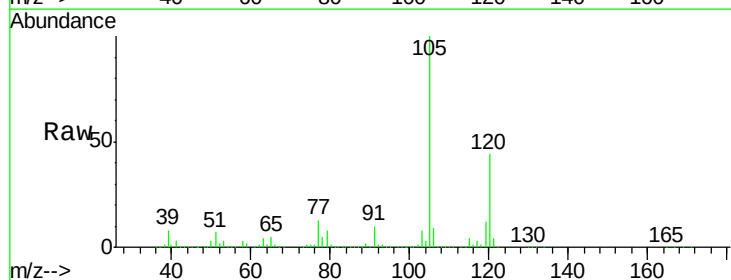
Manual Integrations
 APPROVED

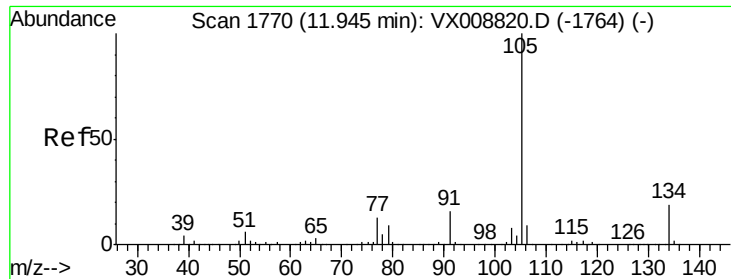
MMDadoda
 4/11/2019 11:48:26 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 47.313 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX008820.D
 Acq: 10 Apr 2019 21:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	367298		
120	43.3	21.8	65.3	





#85

sec-Butylbenzene

Concen: 47.384 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 415158

Ion Ratio Lower Upper

105 100

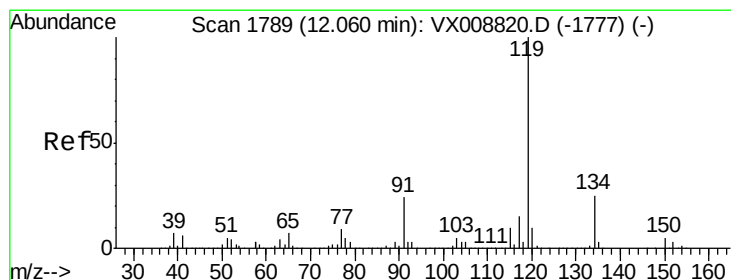
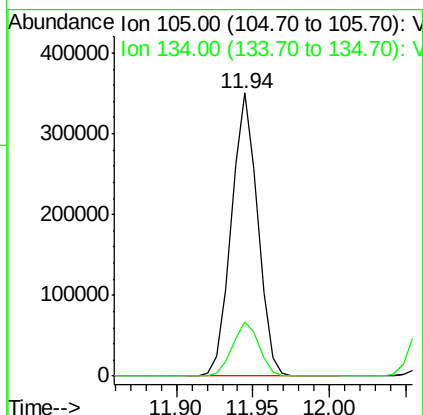
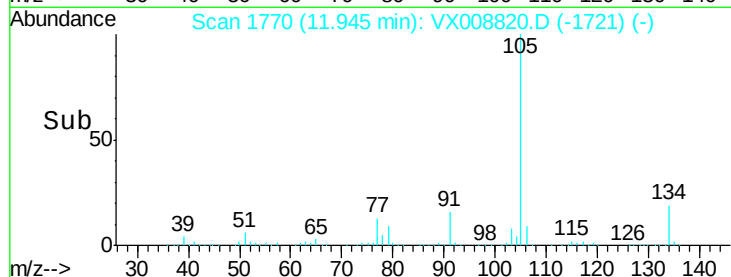
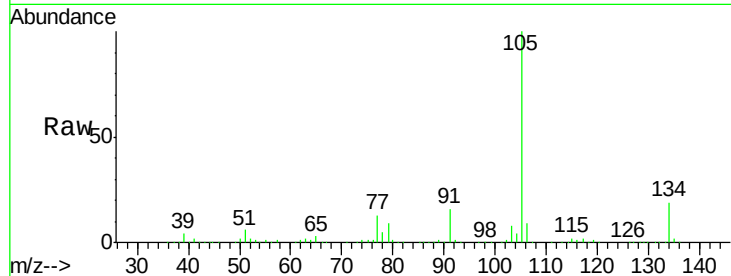
134 19.5 9.4 28.2

Manual Integrations

APPROVED

MMDadoda

4/11/2019 11:48:26 AM



#86

p-Isopropyltoluene

Concen: 47.614 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008820.D

Acq: 10 Apr 2019 21:22

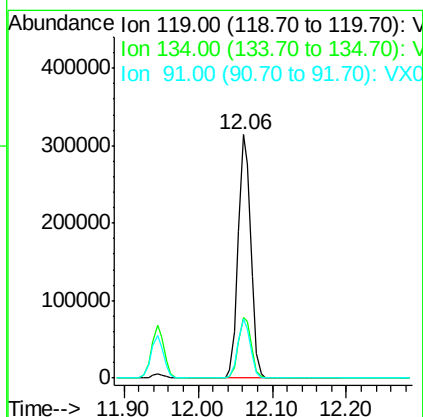
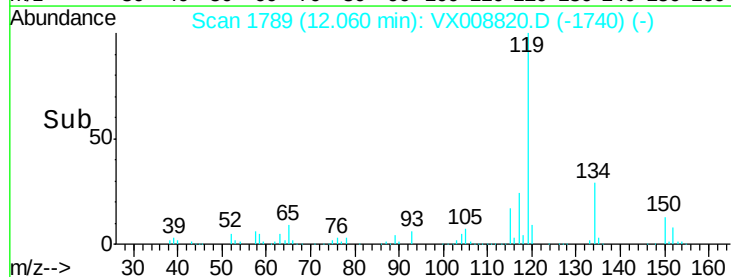
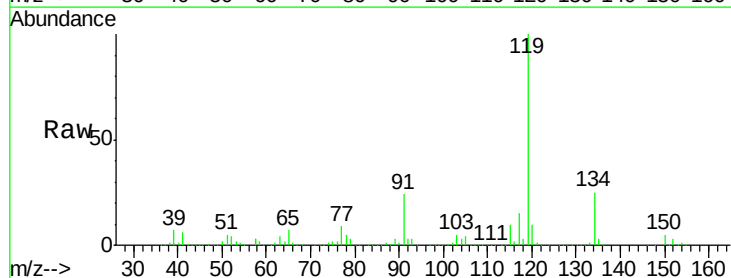
Tgt Ion:119 Resp: 374428

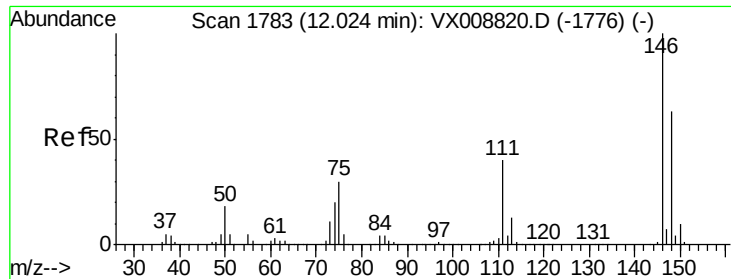
Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.4

91 23.8 12.2 36.6





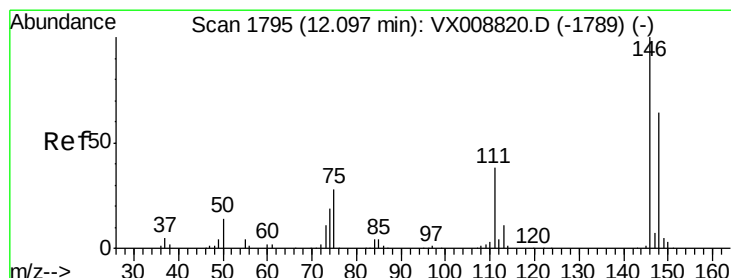
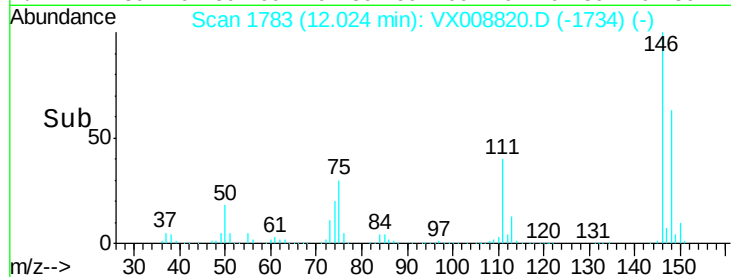
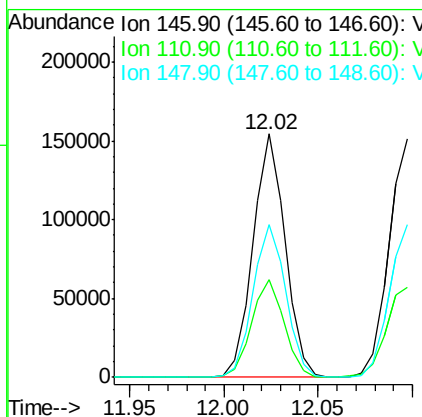
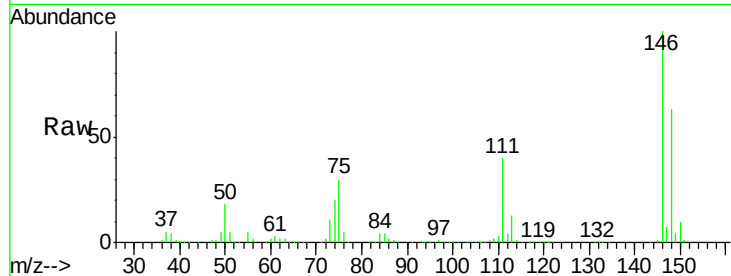
#87
 1,3-Dichlorobenzene
 Concen: 46.350 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008820.D
 Acq: 10 Apr 2019 21:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.5	61.5
148	64.1	31.6	94.7

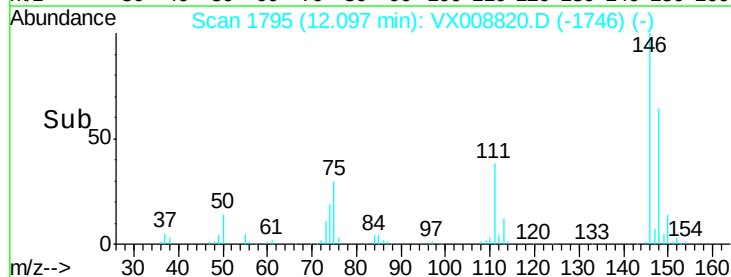
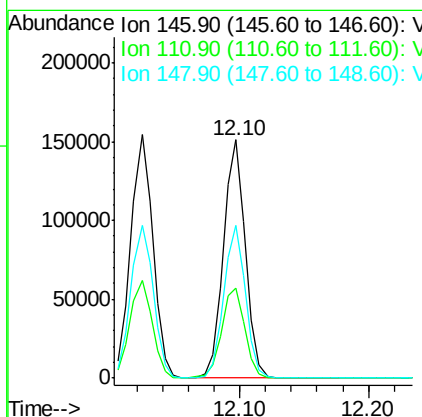
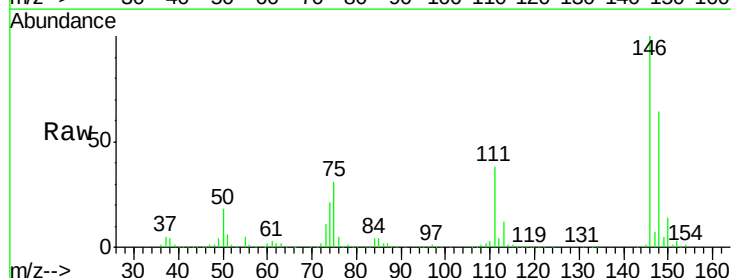
Manual Integrations
 APPROVED

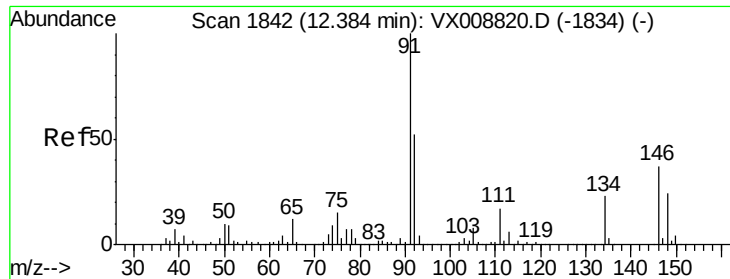
MMDadoda
 4/11/2019 11:48:26 AM



#88
 1,4-Dichlorobenzene
 Concen: 45.602 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008820.D
 Acq: 10 Apr 2019 21:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.2	60.6
148	63.8	32.0	96.0





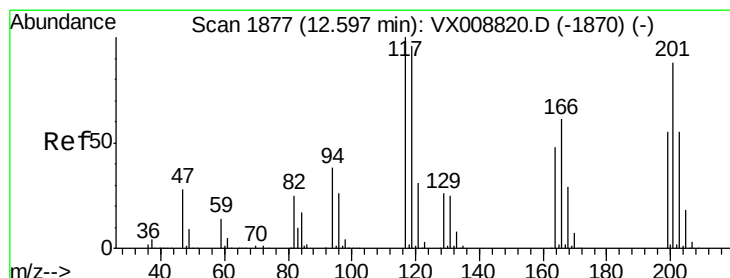
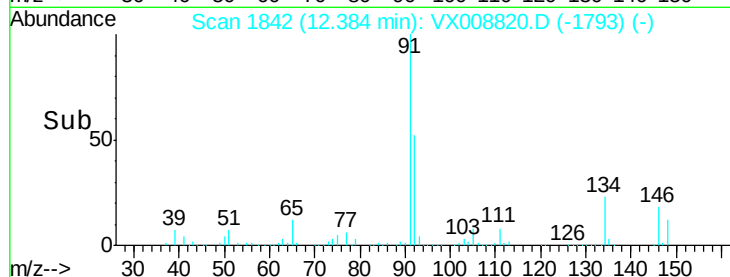
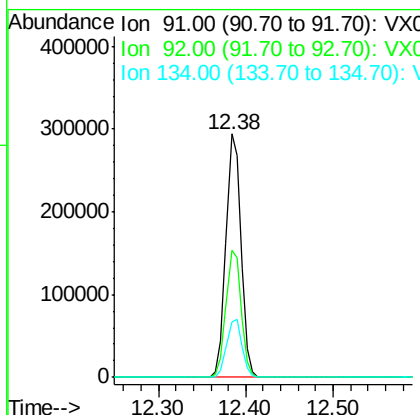
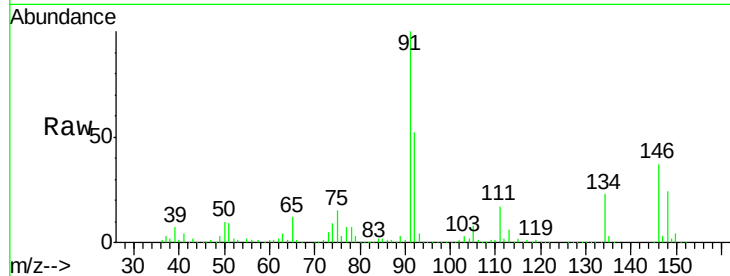
#89
n-Butylbenzene
Concen: 47.130 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008820.D
Acq: 10 Apr 2019 21:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.2
134	24.3	12.0	36.0

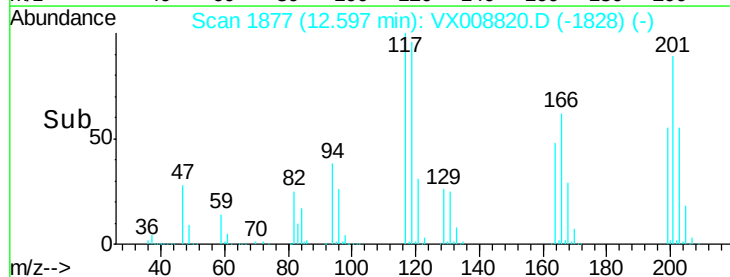
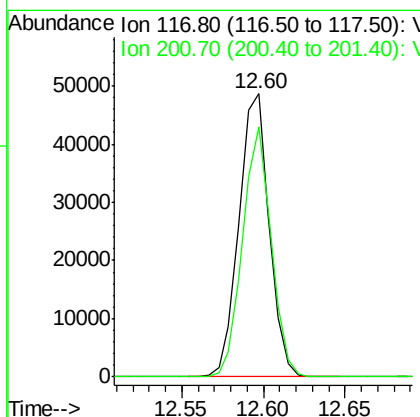
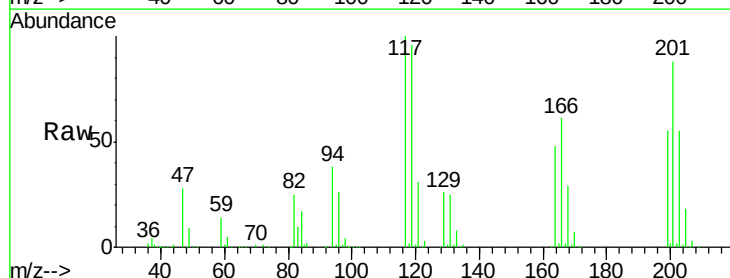
Manual Integrations
APPROVED

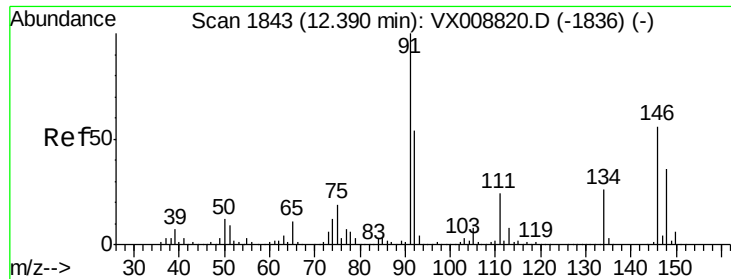
MMDadoda
4/11/2019 11:48:26 AM



#90
Hexachloroethane
Concen: 48.161 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008820.D
Acq: 10 Apr 2019 21:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.8	40.6	122.0





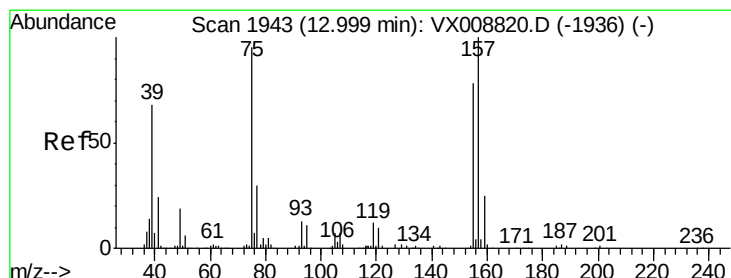
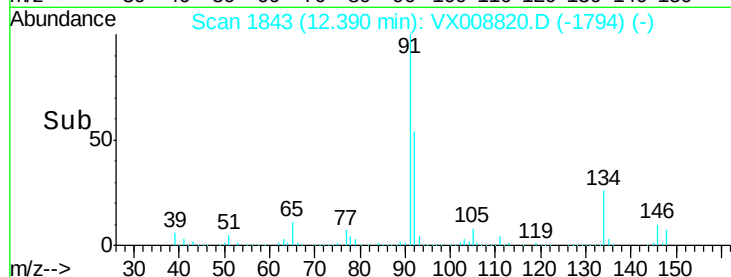
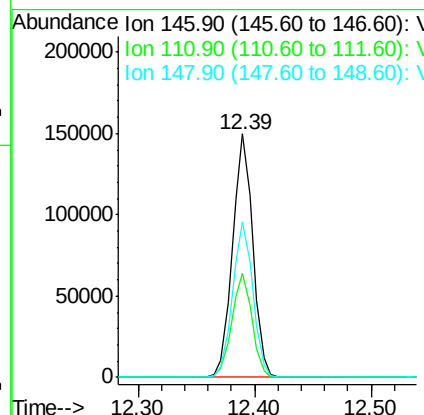
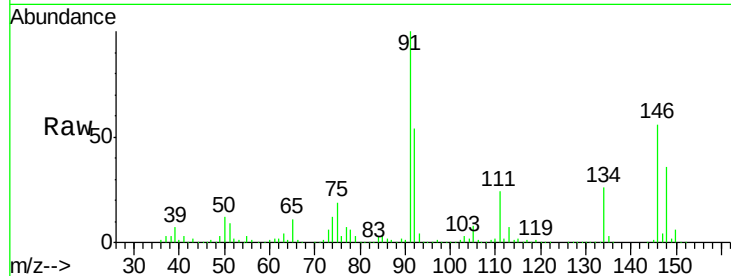
#91
 1,2-Dichlorobenzene
 Concen: 46.104 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008820.D
 Acq: 10 Apr 2019 21:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	63.9
148	64.0	31.7	95.1

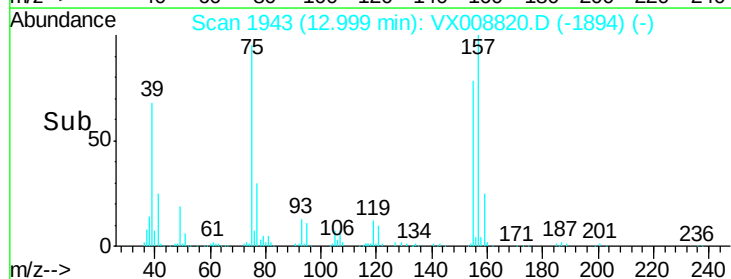
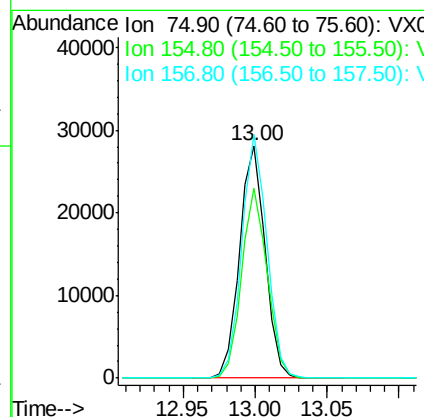
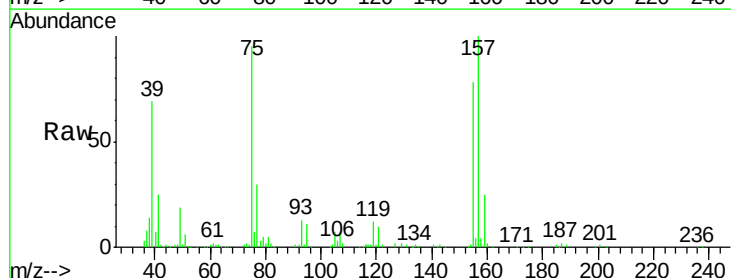
Manual Integrations
 APPROVED

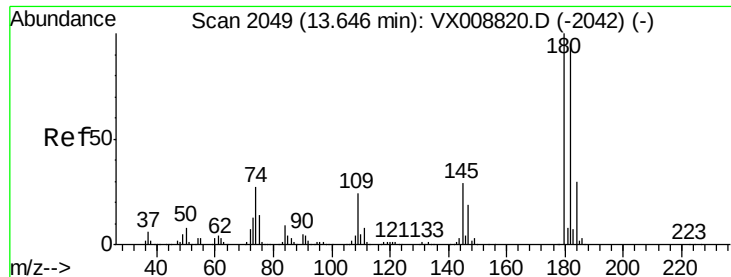
MMDadoda
 4/11/2019 11:48:26 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.602 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008820.D
 Acq: 10 Apr 2019 21:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.4	39.9	119.6
157	103.0	51.5	154.7





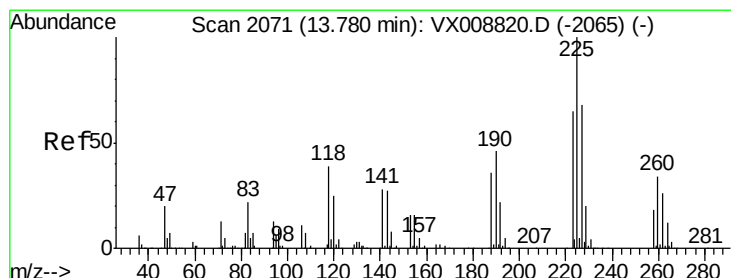
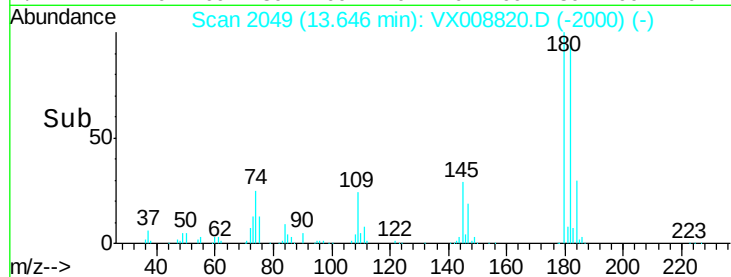
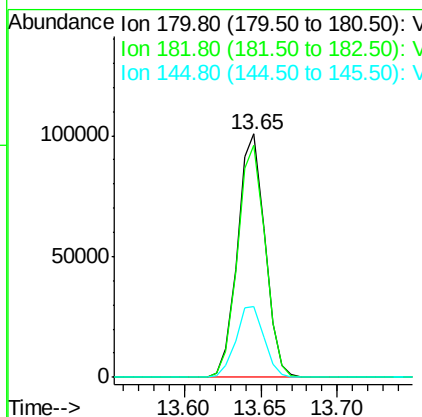
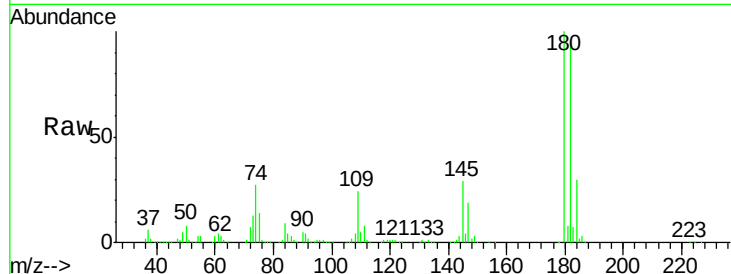
#93
 1,2,4-Trichlorobenzene
 Concen: 45.870 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008820.D
 Acq: 10 Apr 2019 21:22

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion:	180	Resp:	124474
Ion Ratio	Lower	Upper	
180	100		
182	96.6	47.2	141.6
145	30.2	15.3	45.9

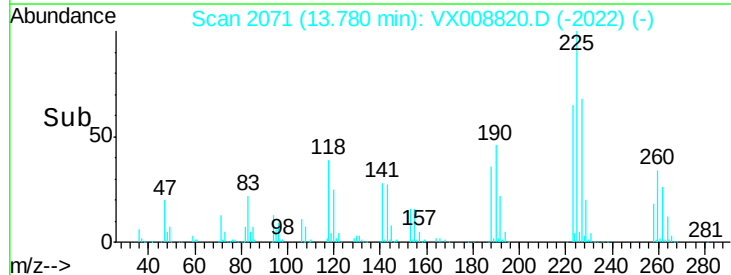
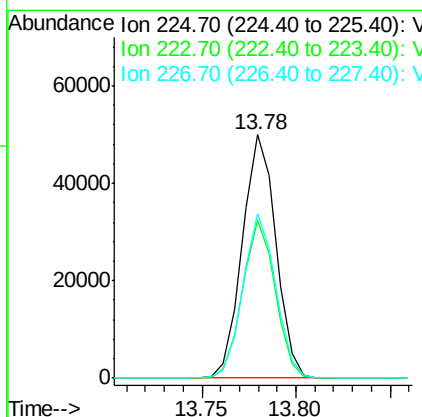
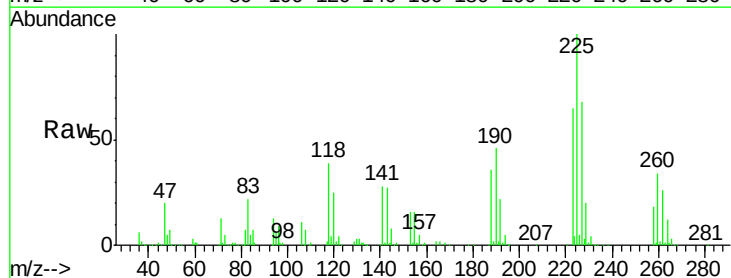
Manual Integrations
 APPROVED

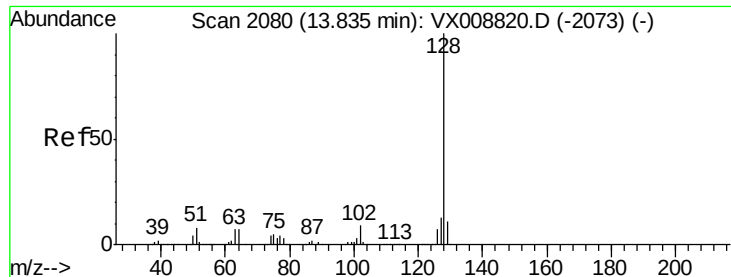
MMDadoda
 4/11/2019 11:48:26 AM



#94
 Hexachlorobutadiene
 Concen: 47.351 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008820.D
 Acq: 10 Apr 2019 21:22

Tgt Ion:	225	Resp:	61623
Ion Ratio	Lower	Upper	
225	100		
223	63.0	31.2	93.6
227	65.9	31.9	95.5





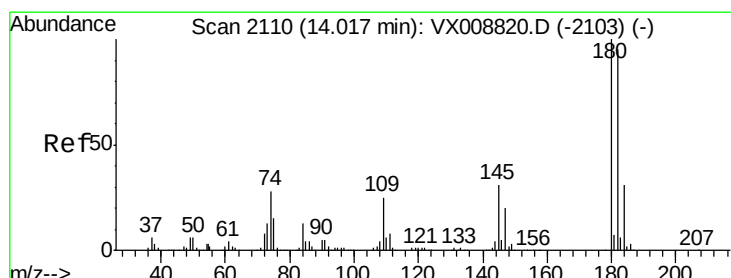
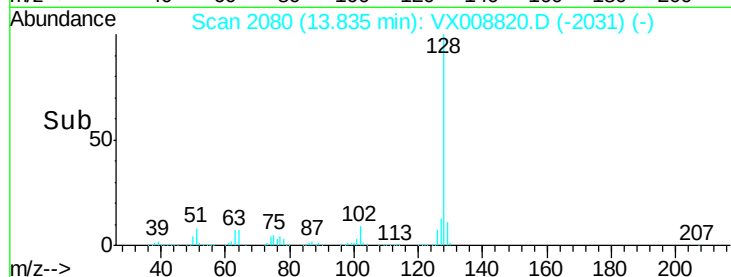
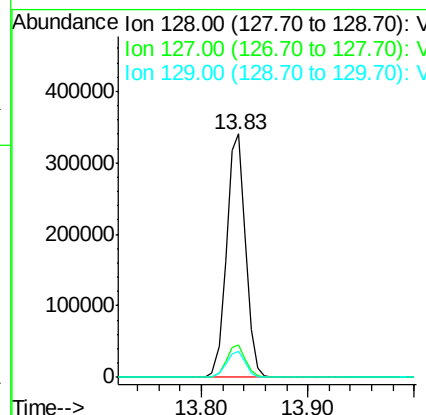
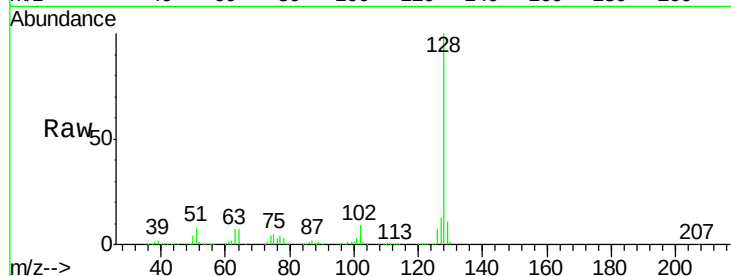
#95
Naphthalene
Concen: 46.566 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008820.D
Acq: 10 Apr 2019 21:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/11/2019 11:48:26 AM



#96
1,2,3-Trichlorobenzene
Concen: 46.926 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX008820.D
Acq: 10 Apr 2019 21:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.1	144.3
145	30.8	16.3	48.8

