

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070119\
 Data File : VX010603.D
 Acq On : 01 Jul 2019 20:01
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/2/2019 9:55:35 AM

Quant Time: Jul 02 07:21:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	231857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	352717	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	319804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	164326	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	130110	59.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.70%	
35) Dibromofluoromethane	5.50	113	126033	58.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.80%	
50) Toluene-d8	8.71	98	465682	56.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.80%	
62) 4-Bromofluorobenzene	11.13	95	170559	57.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.44%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	72346	44.882	ug/l	100
3) Chloromethane	1.32	50	79765	42.496	ug/l	99
4) Vinyl Chloride	1.41	62	91807	44.656	ug/l	98
5) Bromomethane	1.64	94	46672	46.598	ug/l	99
6) Chloroethane	1.71	64	59528	49.078	ug/l	95
7) Trichlorofluoromethane	1.93	101	165809	50.876	ug/l	98
8) Diethyl Ether	2.19	74	59564	50.964	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	94781	47.990	ug/l	99
10) Methyl Iodide	2.51	142	130237	46.206	ug/l	98
11) Tert butyl alcohol	3.05	59	124994	219.736	ug/l	98
12) 1,1-Dichloroethene	2.37	96	95923	47.730	ug/l	99
13) Acrolein	2.29	56	101463	268.882	ug/l	100
14) Allyl chloride	2.73	41	141329	49.534	ug/l	99
15) Acrylonitrile	3.14	53	291382	258.723	ug/l	99
16) Acetone	2.45	43	228708	209.923	ug/l	98
17) Carbon Disulfide	2.57	76	217584	40.355	ug/l	99
18) Methyl Acetate	2.78	43	116946	53.857	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	325159	51.431	ug/l	100
20) Methylene Chloride	2.85	84	110668	49.359	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	103095	47.697	ug/l	99
22) Diisopropyl ether	3.85	45	308302	51.682	ug/l	97
23) Vinyl Acetate	3.81	43	1336752	259.392	ug/l	99
24) 1,1-Dichloroethane	3.70	63	175639	50.937	ug/l	100
25) 2-Butanone	4.67	43	390657	244.445	ug/l	99
26) 2,2-Dichloropropane	4.59	77	128398	42.865	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	122185	48.919	ug/l	98
28) Bromochloromethane	5.02	49	78626	47.692	ug/l	95
29) Tetrahydrofuran	5.13	42	252479	255.055	ug/l	99
30) Chloroform	5.21	83	188377	50.775	ug/l	98
31) Cyclohexane	5.58	56	147708	47.040	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	163976	50.054	ug/l	100
36) 1,1-Dichloropropene	5.80	75	131500	46.916	ug/l	100
37) Ethyl Acetate	4.83	43	146939	50.959	ug/l	99
38) Carbon Tetrachloride	5.78	117	144303	47.544	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070119\
 Data File : VX010603.D
 Acq On : 01 Jul 2019 20:01
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/2/2019 9:55:35 AM

Quant Time: Jul 02 07:21:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	166157	45.099	ug/l	97
40) Benzene	6.14	78	421367	48.254	ug/l	98
41) Methacrylonitrile	5.04	41	79929	50.520	ug/l	99
42) 1,2-Dichloroethane	6.19	62	139472	52.470	ug/l	99
43) Isopropyl Acetate	6.45	43	241997	50.726	ug/l	99
44) Trichloroethene	7.21	130	124759	47.747	ug/l	97
45) 1,2-Dichloropropane	7.51	63	108017	48.984	ug/l	96
46) Dibromomethane	7.66	93	78142	49.390	ug/l	98
47) Bromodichloromethane	7.90	83	144723	49.913	ug/l	98
48) Methyl methacrylate	7.77	41	115656	52.156	ug/l	100
49) 1,4-Dioxane	7.74	88	60251	943.191	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	796932	261.191	ug/l	98
52) Toluene	8.78	92	279294	48.568	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	156614	48.178	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	169808	48.069	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	119265	50.288	ug/l	99
56) Ethyl methacrylate	9.18	69	184236	51.280	ug/l	97
57) 1,3-Dichloropropane	9.37	76	186458	50.647	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	409522	240.008	ug/l	100
59) 2-Hexanone	9.49	43	609107	253.650	ug/l	97
60) Dibromochloromethane	9.58	129	131288	49.441	ug/l	99
61) 1,2-Dibromoethane	9.67	107	126854	49.554	ug/l	99
64) Tetrachloroethene	9.34	164	117738	45.517	ug/l	98
65) Chlorobenzene	10.13	112	316071	48.681	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	119849	50.677	ug/l	100
67) Ethyl Benzene	10.25	91	542806	49.522	ug/l	100
68) m/p-Xylenes	10.36	106	417043	98.195	ug/l	100
69) o-Xylene	10.69	106	205021	49.088	ug/l	98
70) Styrene	10.71	104	356666	50.920	ug/l	99
71) Bromoform	10.85	173	99786	48.519	ug/l	98
73) Isopropylbenzene	11.02	105	547607	49.160	ug/l	99
74) N-amyl acetate	10.90	43	216832	51.507	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	183199	49.660	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	152100m	50.794	ug/l	
77) Bromobenzene	11.26	156	150909	48.517	ug/l	98
78) n-propylbenzene	11.36	91	614966	50.232	ug/l	99
79) 2-Chlorotoluene	11.42	91	360457	49.445	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	458354	49.913	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	55730	43.418	ug/l	94
82) 4-Chlorotoluene	11.51	91	414815	50.005	ug/l	100
83) tert-Butylbenzene	11.77	119	460648	49.979	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	462327	50.111	ug/l	99
85) sec-Butylbenzene	11.94	105	535819	49.513	ug/l	100
86) p-Isopropyltoluene	12.06	119	490497	49.001	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	260966	48.065	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	260231	47.080	ug/l	99
89) n-Butylbenzene	12.38	91	416571	48.974	ug/l	99
90) Hexachloroethane	12.60	117	82469	47.647	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	260211	48.222	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	38034	47.819	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070119\
Data File : VX010603.D
Acq On : 01 Jul 2019 20:01
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

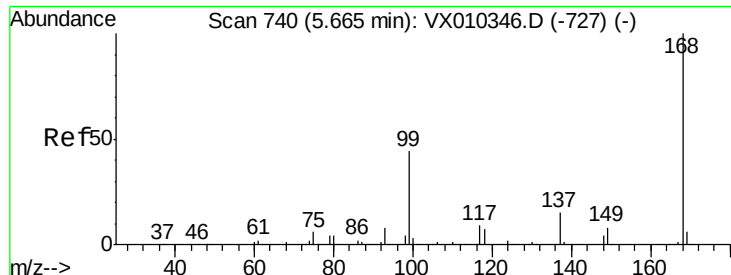
Manual Integrations
APPROVED

MMDadoda
7/2/2019 9:55:35 AM

Quant Time: Jul 02 07:21:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	181562	48.518	ug/l	99
94) Hexachlorobutadiene	13.78	225	86815	47.468	ug/l	100
95) Naphthalene	13.83	128	562459	48.910	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	183171	49.231	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010603.D

Acq: 01 Jul 2019 20:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 231857

Ion Ratio Lower Upper

168 100

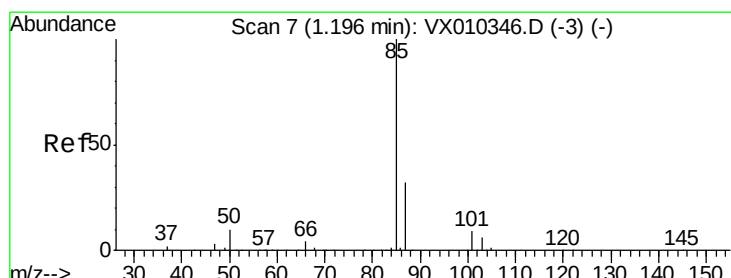
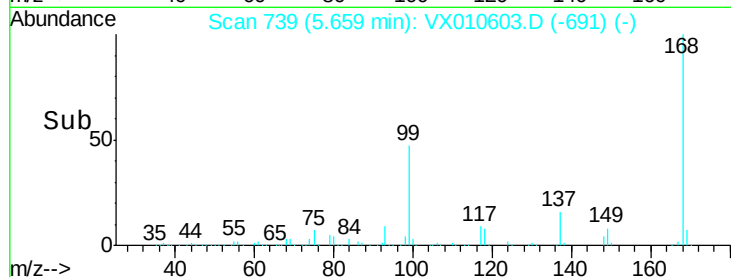
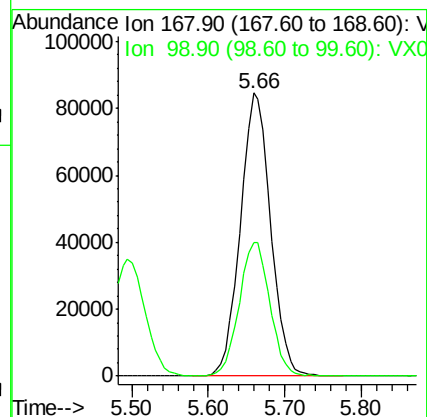
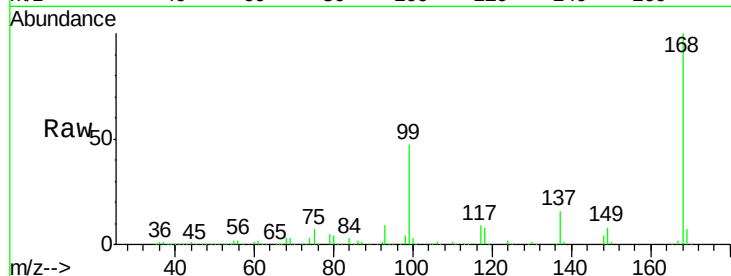
99 47.1 35.5 53.3

Manual Integrations

APPROVED

MMDadoda

7/2/2019 9:55:35 AM



#2

Dichlorodifluoromethane

Concen: 44.882 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010603.D

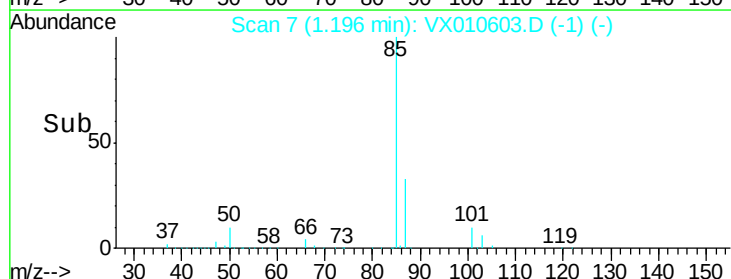
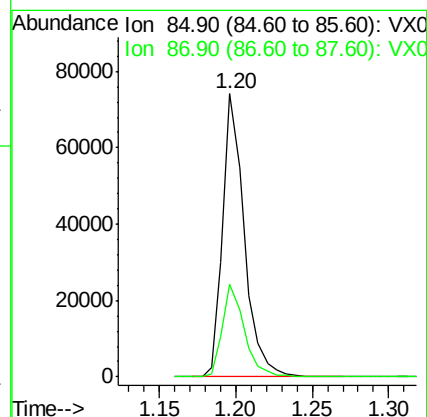
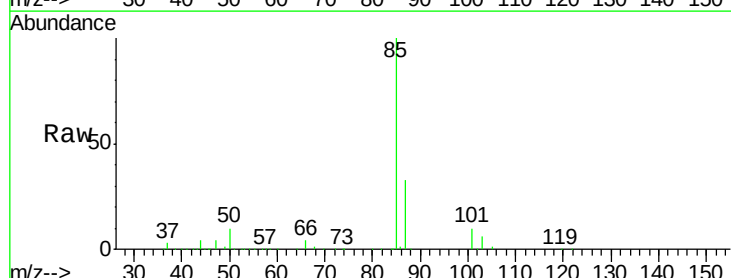
Acq: 01 Jul 2019 20:01

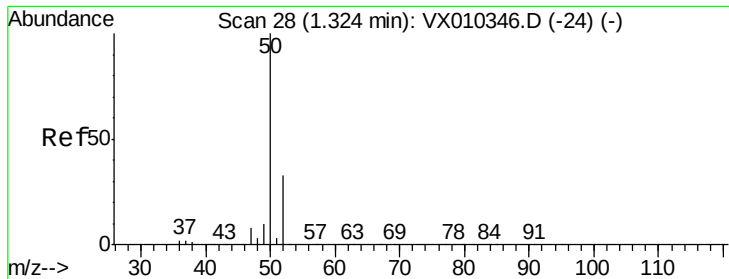
Tgt Ion: 85 Resp: 72346

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.8





#3

Chloromethane

Concen: 42.496 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010603.D

Acq: 01 Jul 2019 20:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 79765

Ion Ratio Lower Upper

50 100

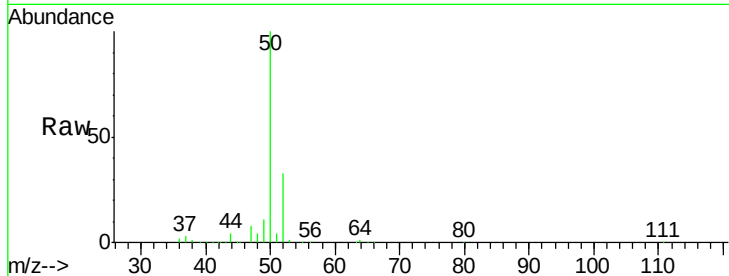
52 32.5 26.5 39.7

Manual Integrations

APPROVED

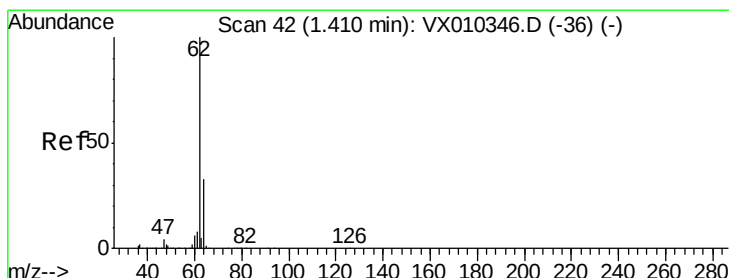
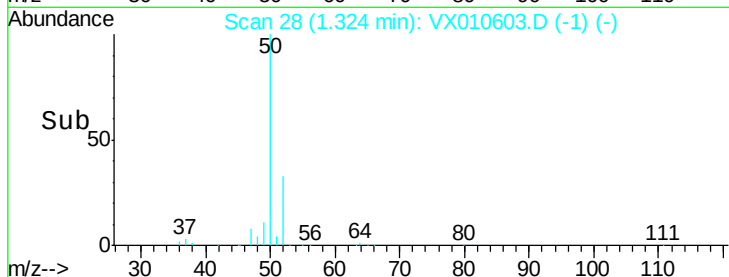
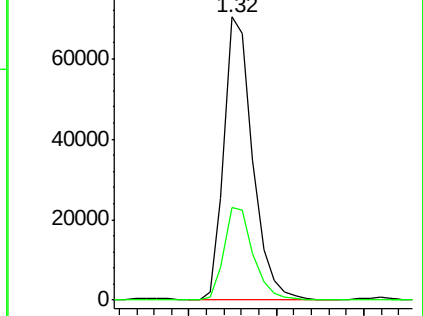
MMDadoda

7/2/2019 9:55:35 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 44.656 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010603.D

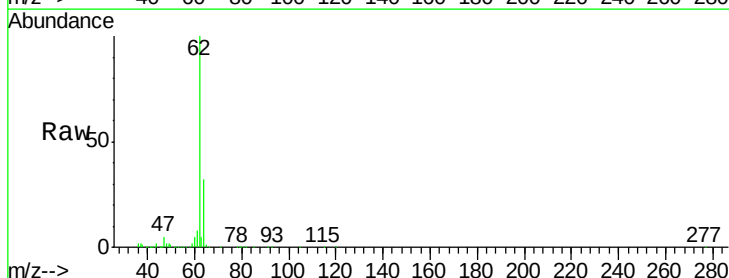
Acq: 01 Jul 2019 20:01

Tgt Ion: 62 Resp: 91807

Ion Ratio Lower Upper

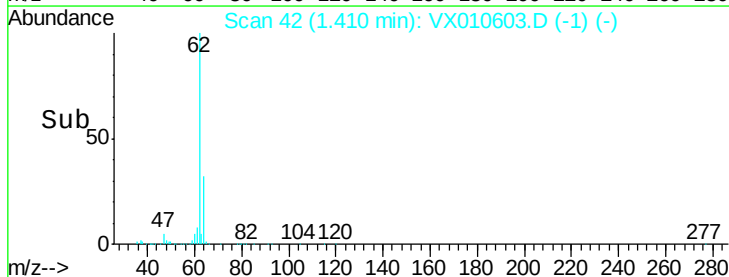
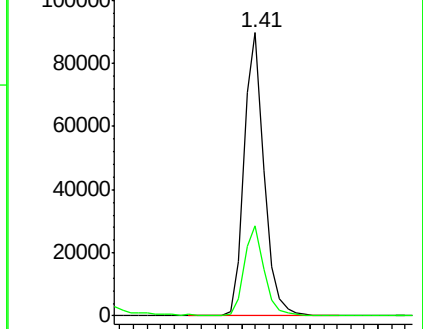
62 100

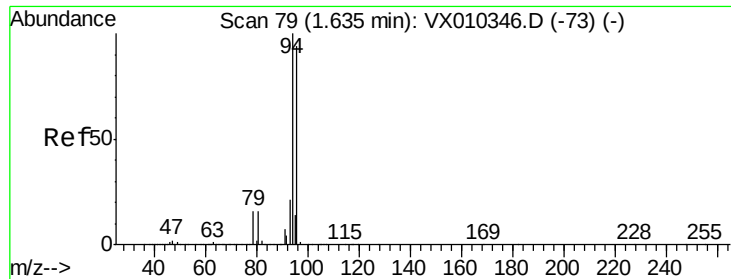
64 31.7 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 46.598 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX010603.D

Acq: 01 Jul 2019 20:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 46672

Ion Ratio Lower Upper

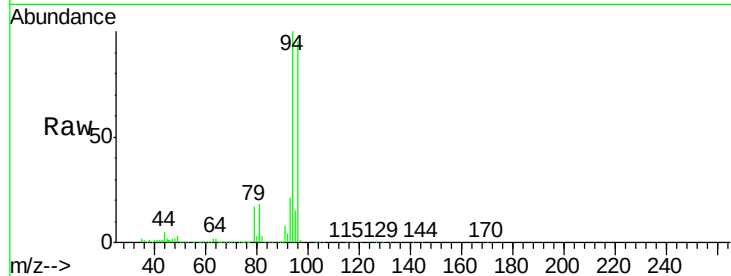
94 100

96 95.5 75.5 113.3

Manual Integrations
APPROVED

MMDadoda

7/2/2019 9:55:35 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

50000

40000

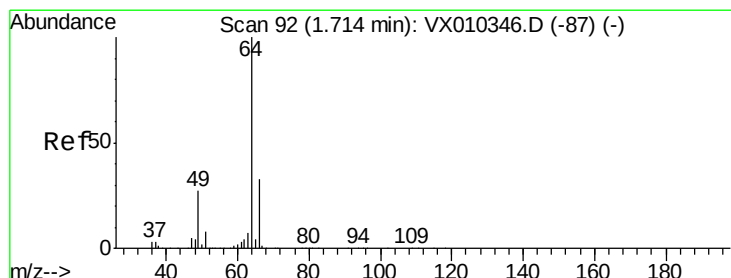
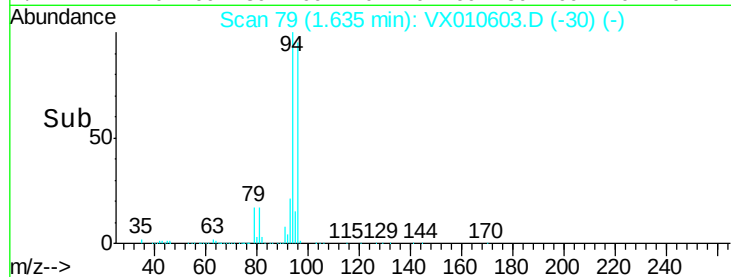
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 49.078 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010603.D

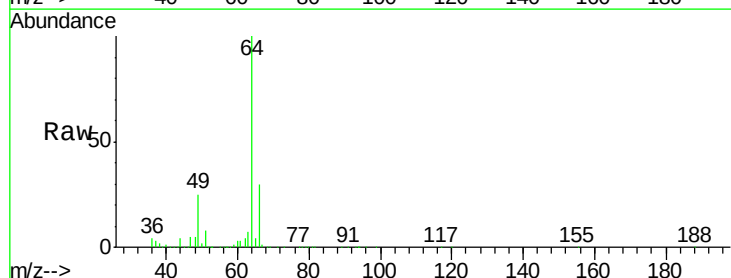
Acq: 01 Jul 2019 20:01

Tgt Ion: 64 Resp: 59528

Ion Ratio Lower Upper

64 100

66 30.7 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

50000

40000

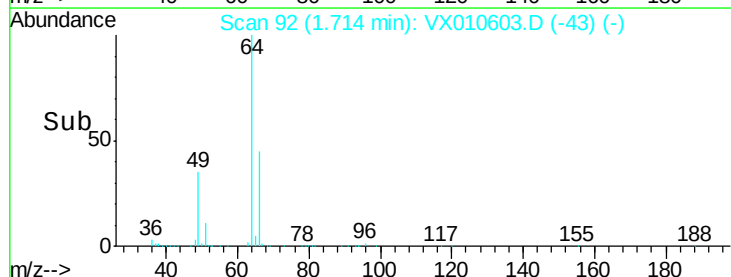
30000

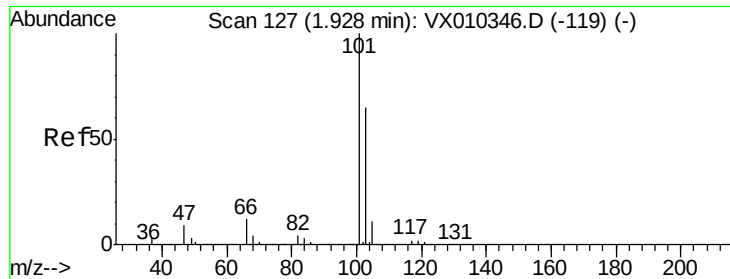
20000

10000

0

Time-->





#7

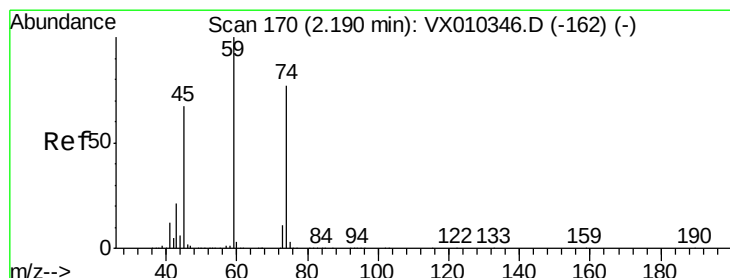
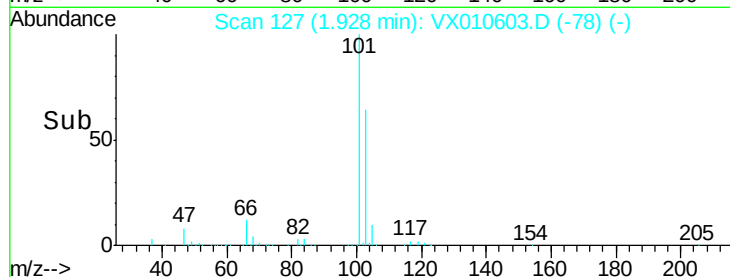
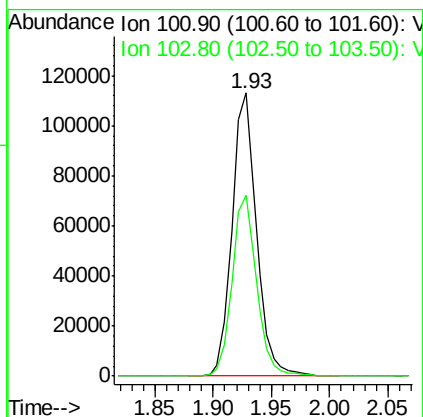
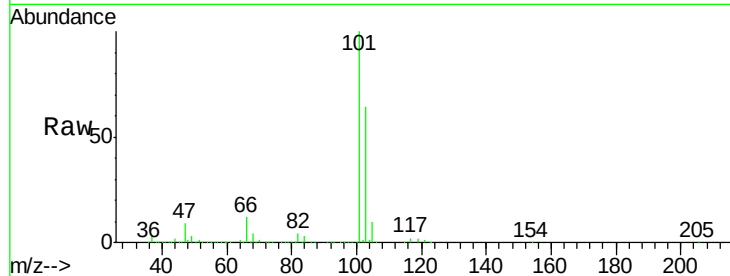
Trichlorofluoromethane
Concen: 50.876 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.3	78.5

Manual Integrations
APPROVED

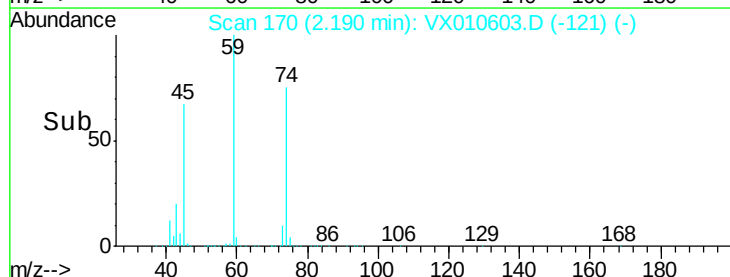
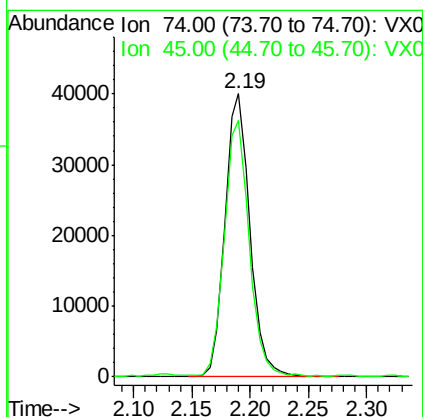
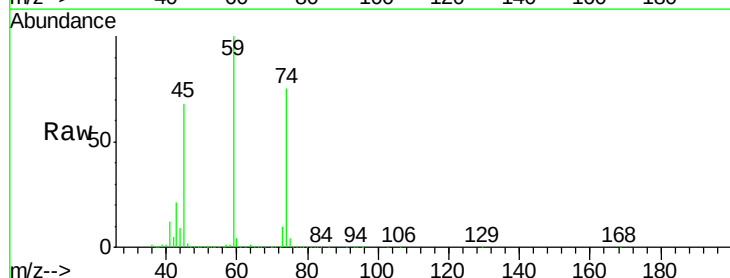
MMDadoda
7/2/2019 9:55:35 AM

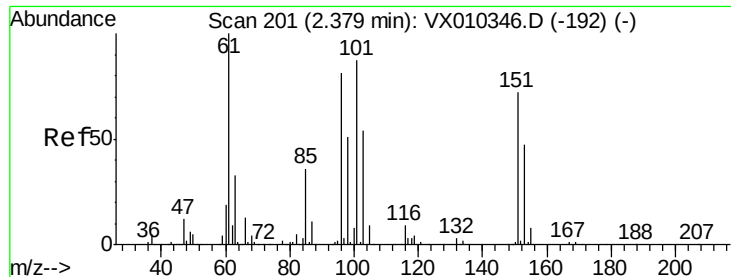


#8

Diethyl Ether
Concen: 50.964 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.5	44.8	134.4





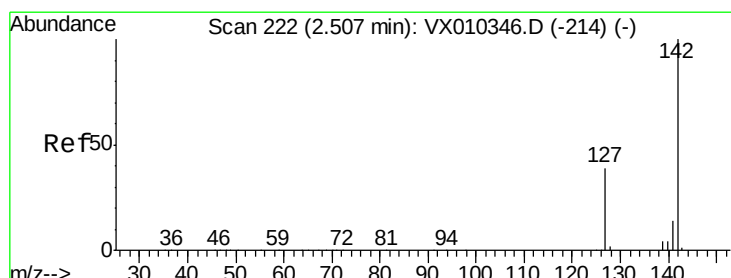
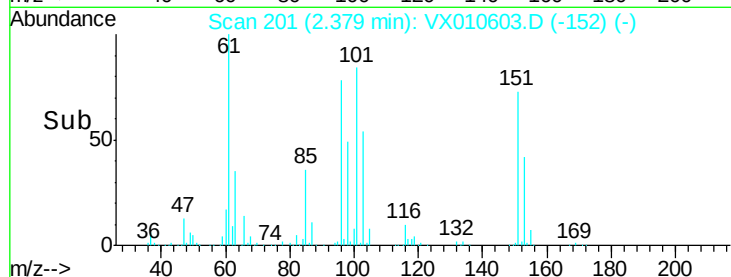
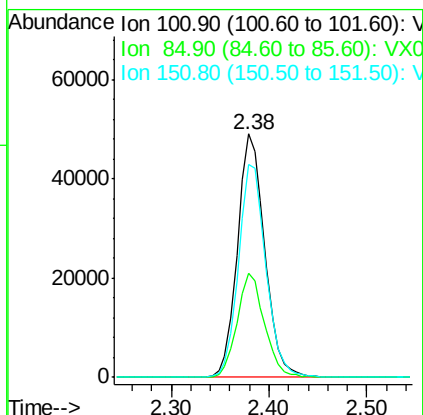
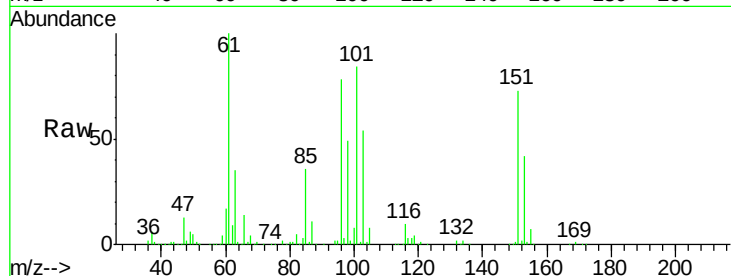
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.990 ug/l
RT: 2.38 min Scan# 201
Delta R.T. -0.00 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.0	33.7	50.5
151	87.9	70.1	105.1

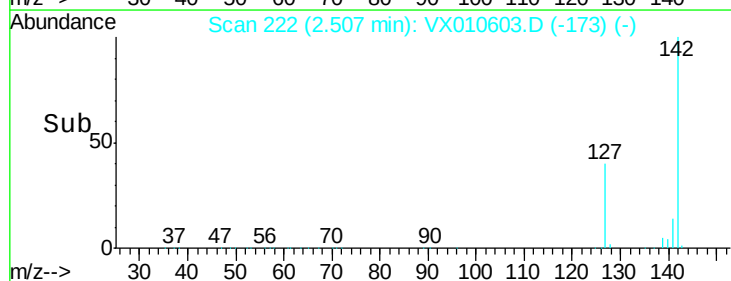
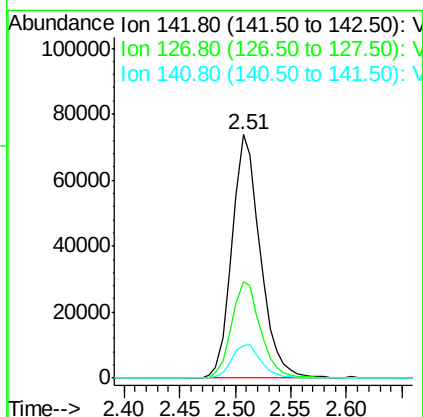
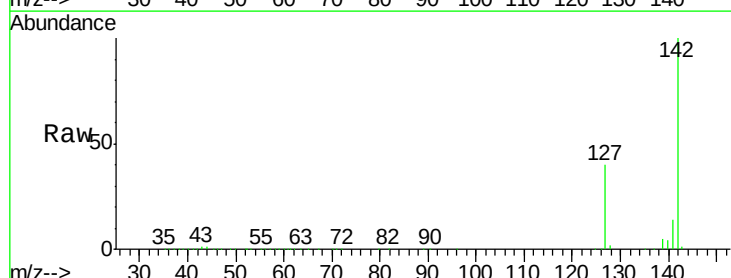
Manual Integrations
APPROVED

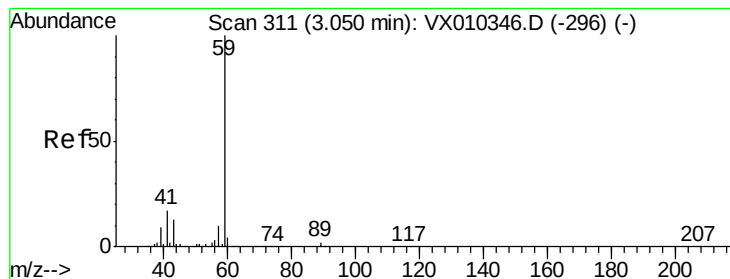
MMDadoda
7/2/2019 9:55:35 AM



#10
Methyl Iodide
Concen: 46.206 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Tgt Ion	Ratio	Lower	Upper
142	100		
127	40.5	31.1	46.7
141	14.5	11.2	16.8





#11

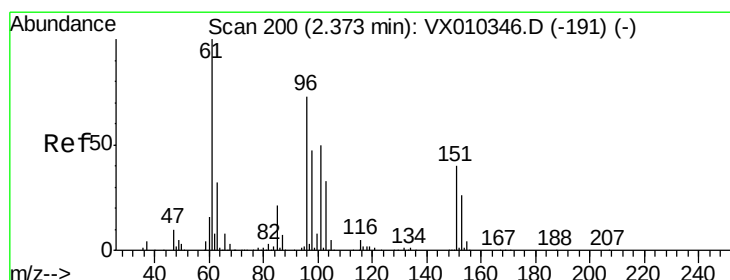
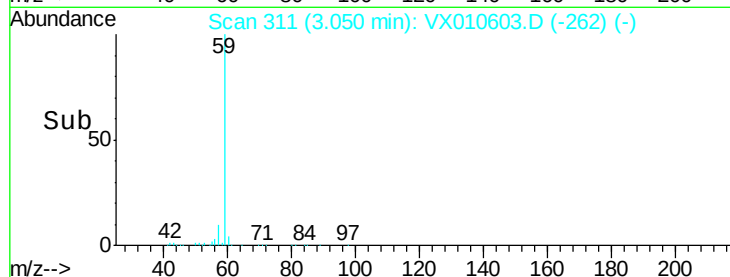
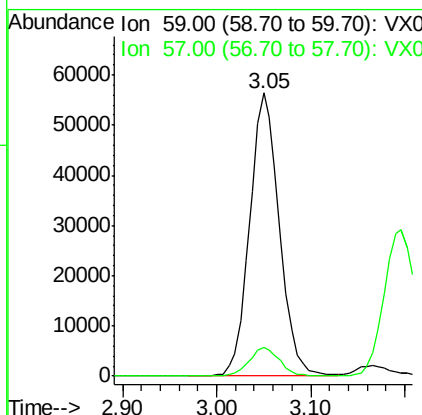
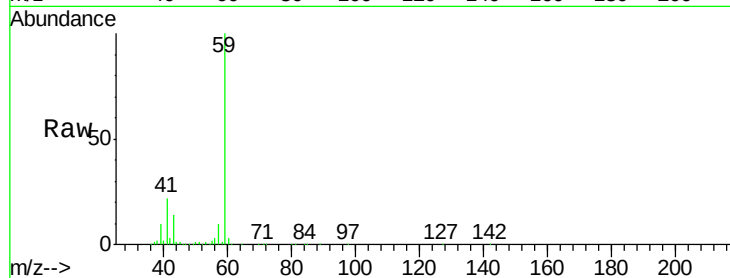
Tert butyl alcohol
Concen: 219.736 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	124994
Ion Ratio	100	Lower	Upper
57	10.5	7.7	11.5

Manual Integrations
APPROVED

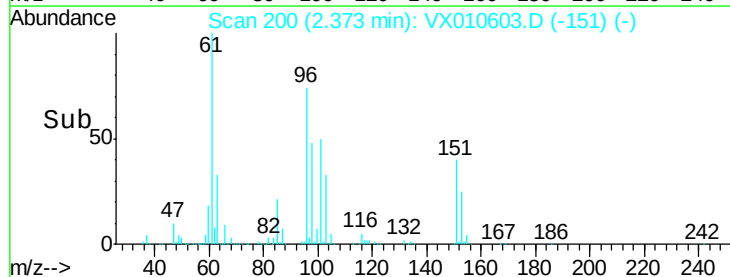
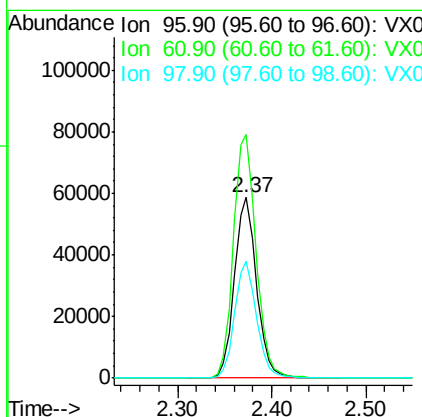
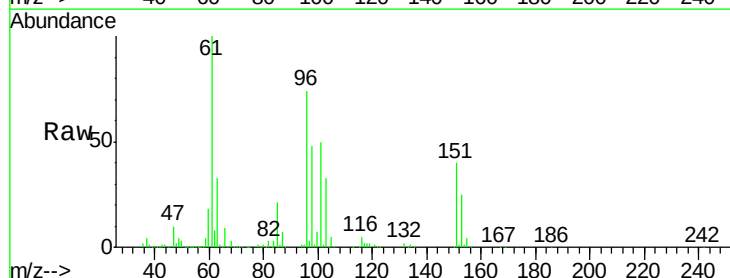
MMDadoda
7/2/2019 9:55:35 AM

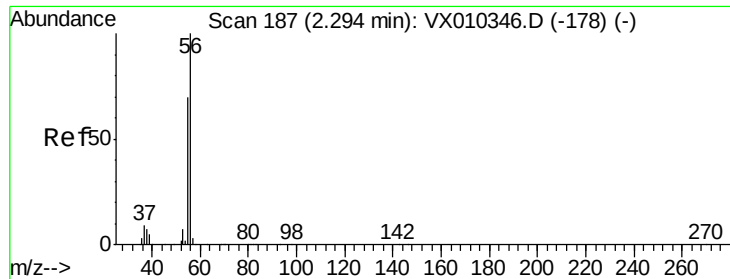


#12

1,1-Dichloroethene
Concen: 47.730 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Tgt Ion	96	Resp	95923
Ion Ratio	100	Lower	Upper
61	135.0	109.2	163.8
98	64.7	51.1	76.7





#13

Acrolein

Concen: 268.882 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010603.D

Acq: 01 Jul 2019 20:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 101463

Ion Ratio Lower Upper

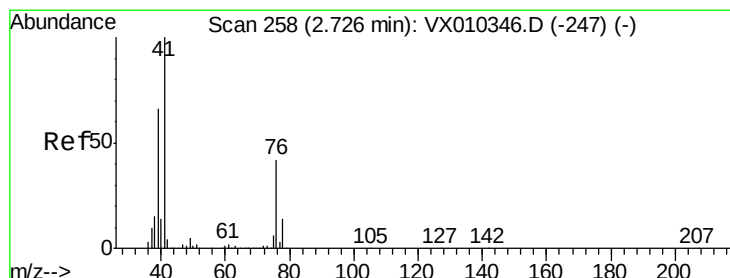
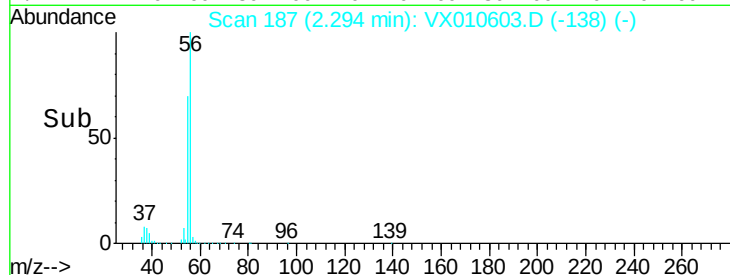
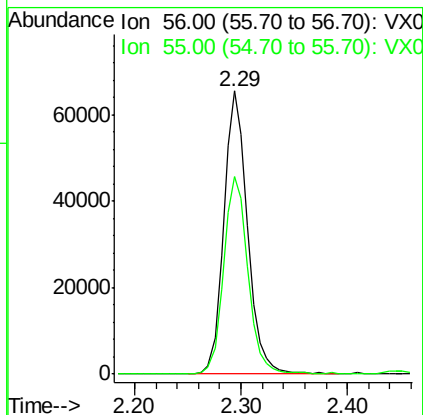
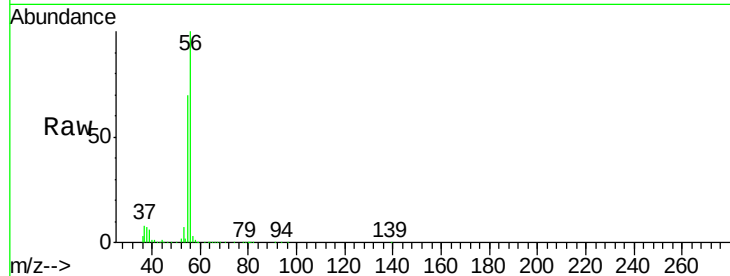
56 100

55 71.2 56.9 85.3

Manual Integrations
APPROVED

MMDadoda

7/2/2019 9:55:35 AM



#14

Allyl chloride

Concen: 49.534 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010603.D

Acq: 01 Jul 2019 20:01

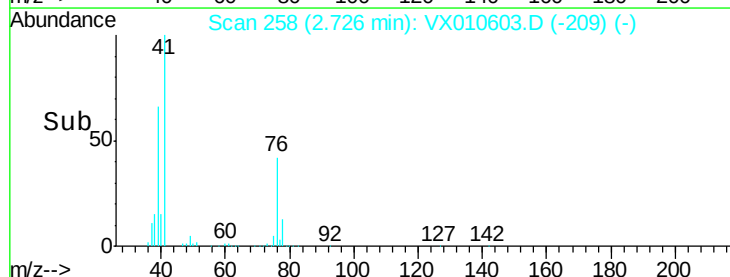
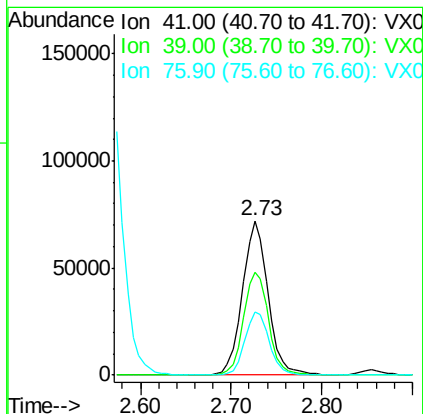
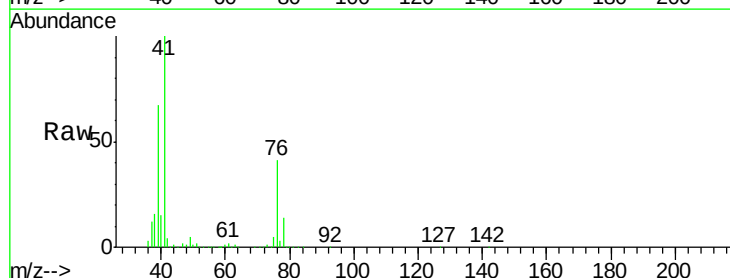
Tgt Ion: 41 Resp: 141329

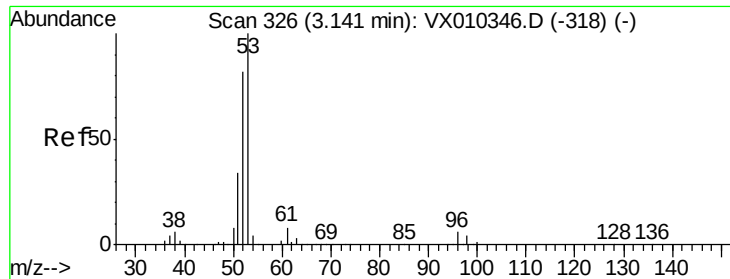
Ion Ratio Lower Upper

41 100

39 64.3 50.3 75.5

76 38.9 31.3 46.9





#15

Acrylonitrile

Concen: 258.723 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010603.D

Acq: 01 Jul 2019 20:01

Instrument :

MSVOA_X

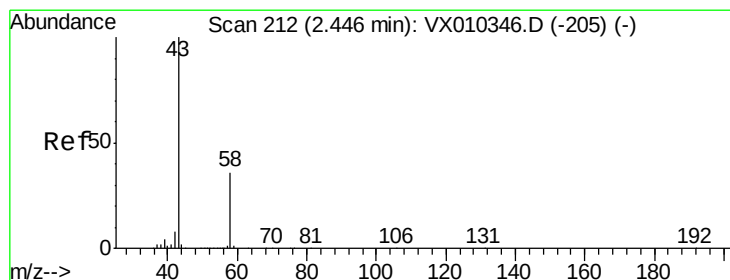
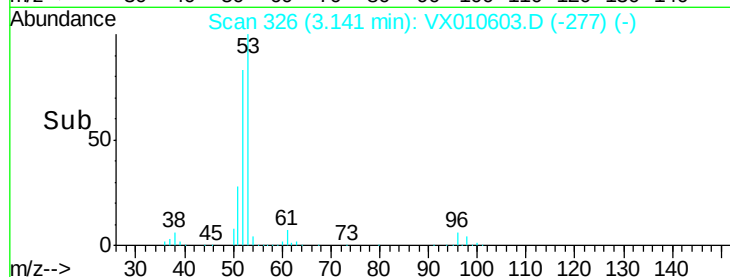
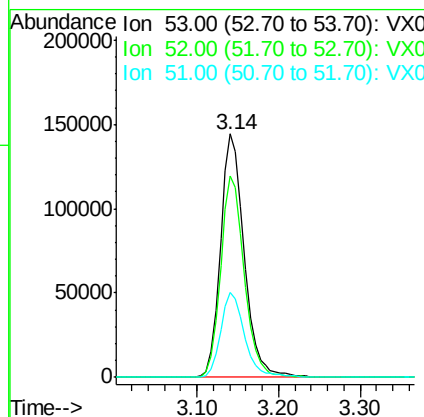
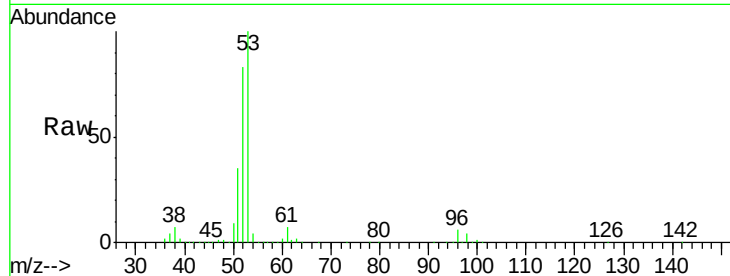
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	291382
Ion Ratio	Lower	Upper	
53	100		
52	82.7	65.5	98.3
51	35.3	28.2	42.4

Manual Integrations
APPROVED

MMDadoda
7/2/2019 9:55:35 AM



#16

Acetone

Concen: 209.923 ug/l

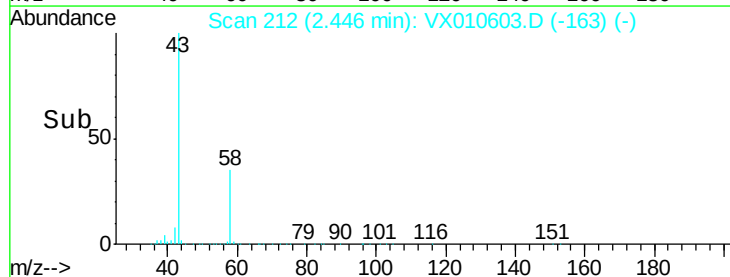
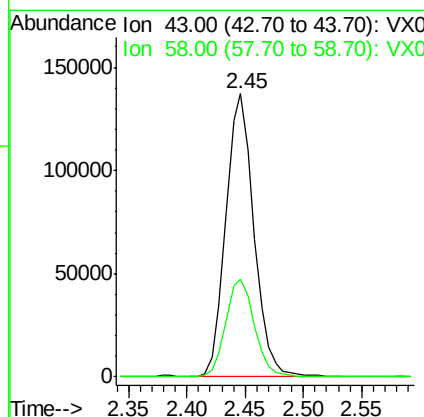
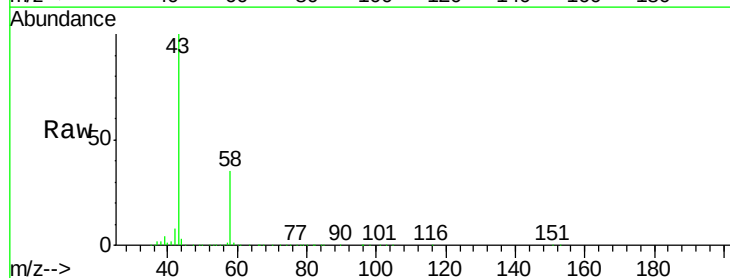
RT: 2.45 min Scan# 212

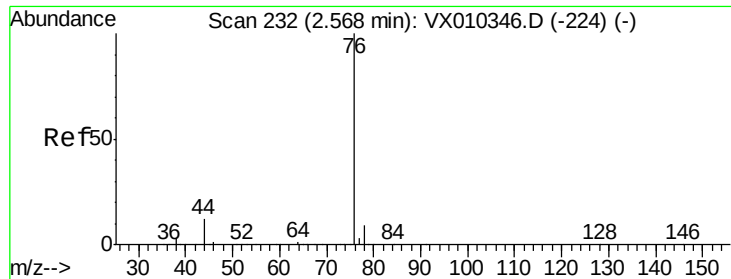
Delta R.T. -0.00 min

Lab File: VX010603.D

Acq: 01 Jul 2019 20:01

Tgt Ion:	43	Resp:	228708
Ion Ratio	Lower	Upper	
43	100		
58	34.7	28.9	43.3





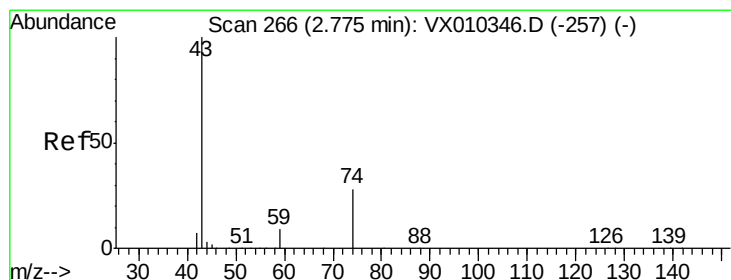
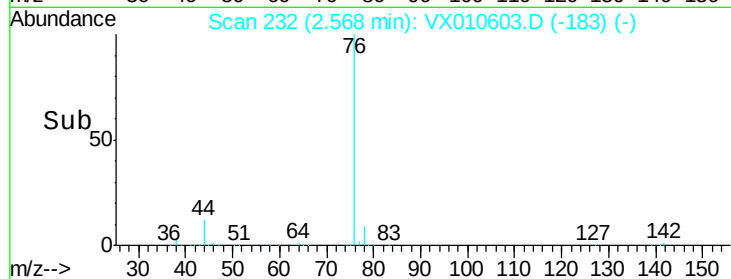
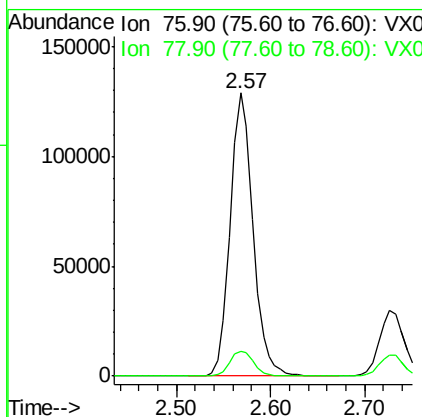
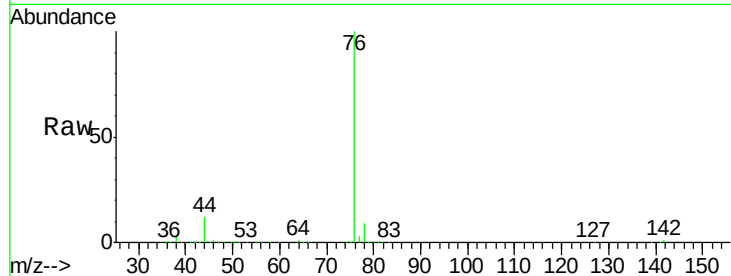
#17
Carbon Disulfide
Concen: 40.355 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.3	10.9

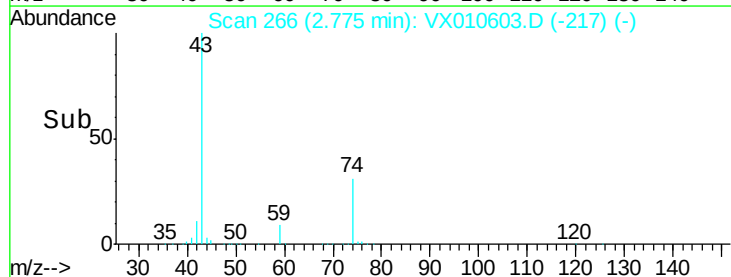
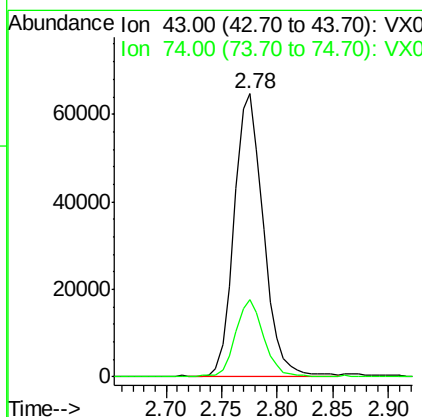
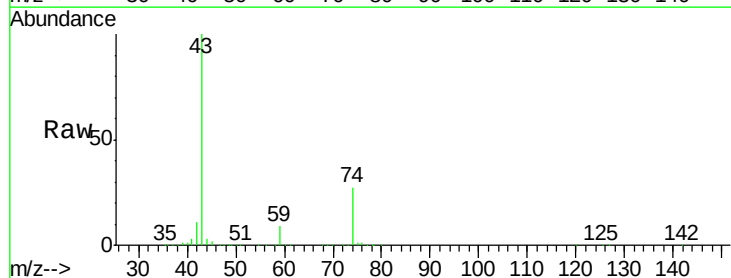
Manual Integrations
APPROVED

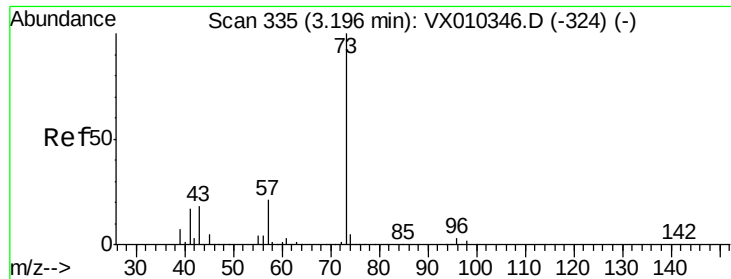
MMDadoda
7/2/2019 9:55:35 AM



#18
Methyl Acetate
Concen: 53.857 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.7	21.3	31.9





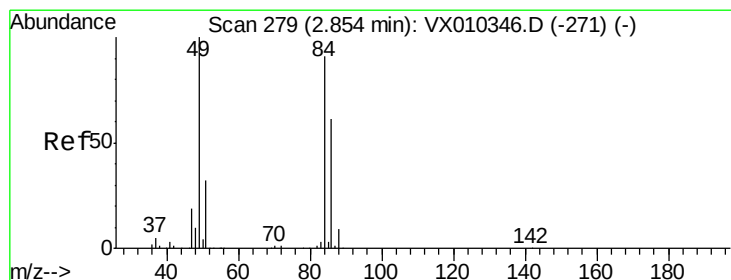
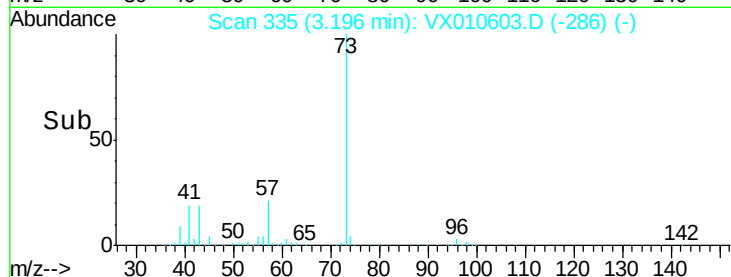
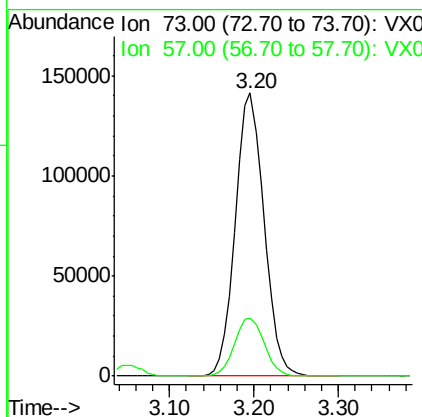
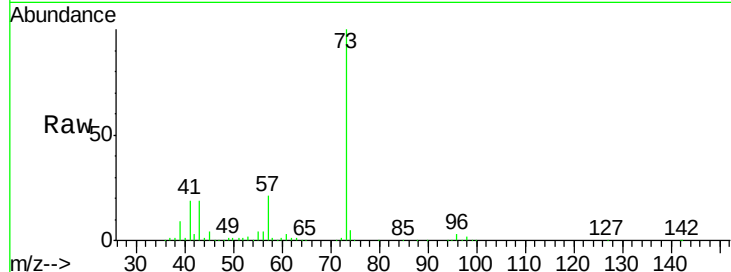
#19
Methyl tert-butyl Ether
Concen: 51.431 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 325159
Ion Ratio Lower Upper
73 100
57 20.6 16.4 24.6

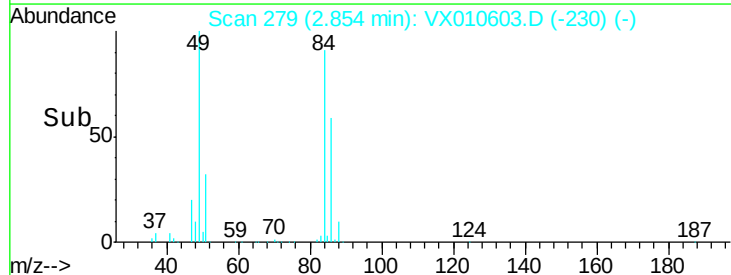
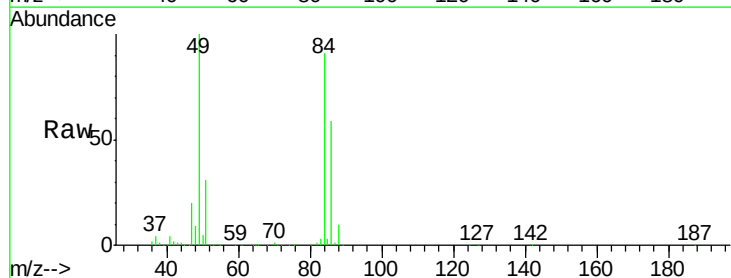
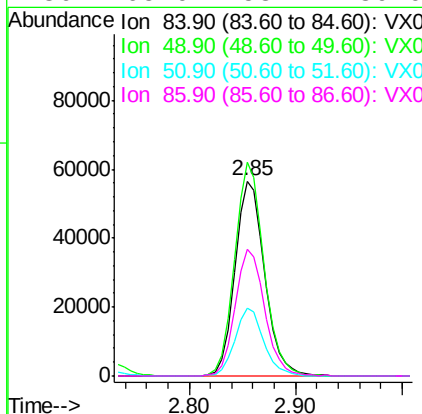
Manual Integrations
APPROVED

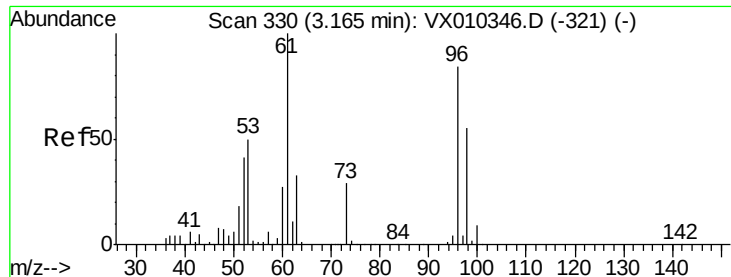
MMDadoda
7/2/2019 9:55:35 AM



#20
Methylene Chloride
Concen: 49.359 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Tgt Ion: 84 Resp: 110668
Ion Ratio Lower Upper
84 100
49 109.4 87.5 131.3
51 34.3 27.7 41.5
86 65.0 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 47.697 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010603.D

Acq: 01 Jul 2019 20:01

Instrument :

MSVOA_X

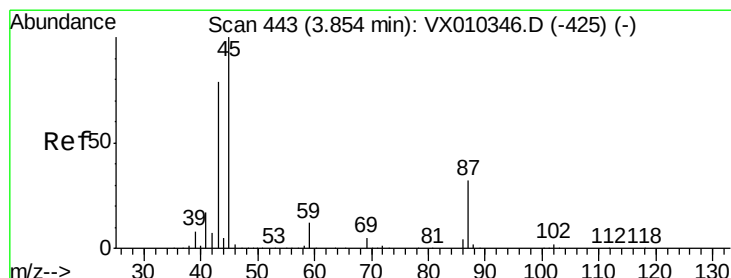
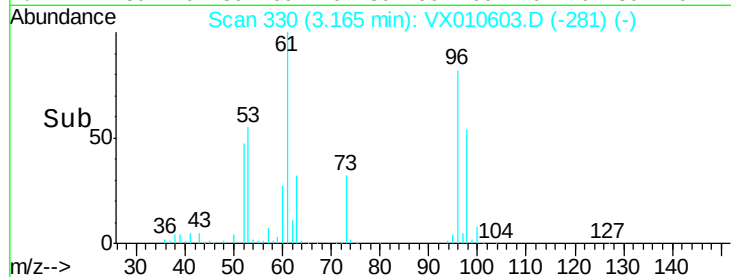
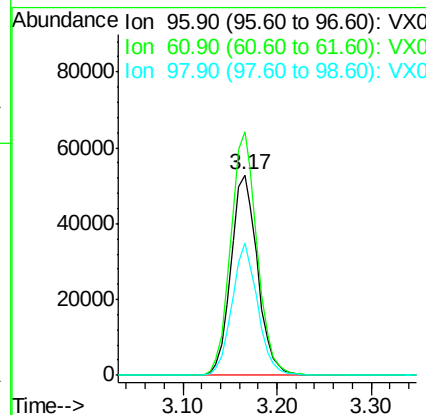
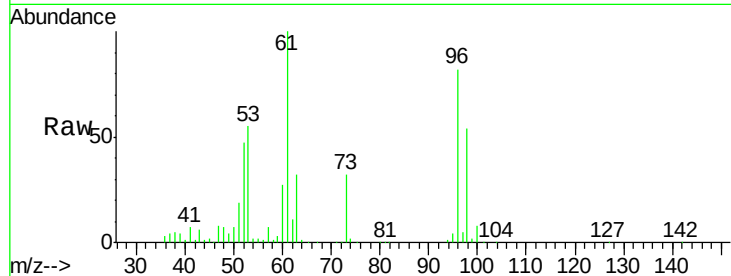
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	103095
Ion	Ratio	Lower	Upper
96	100		
61	121.4	95.6	143.4
98	65.7	52.5	78.7

Manual Integrations
APPROVED

MMDadoda
7/2/2019 9:55:35 AM



#22

Diisopropyl ether

Concen: 51.682 ug/l

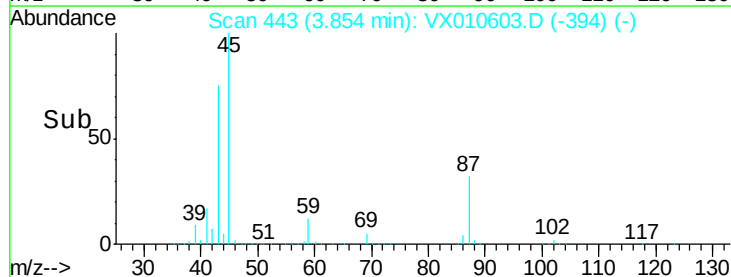
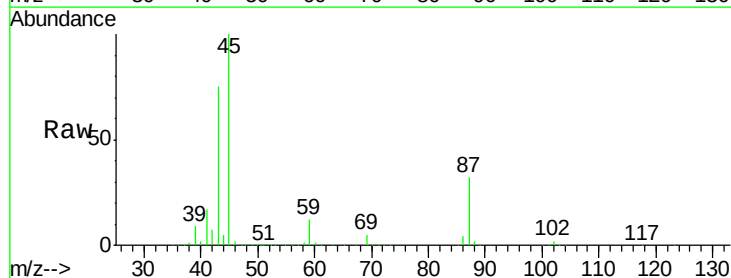
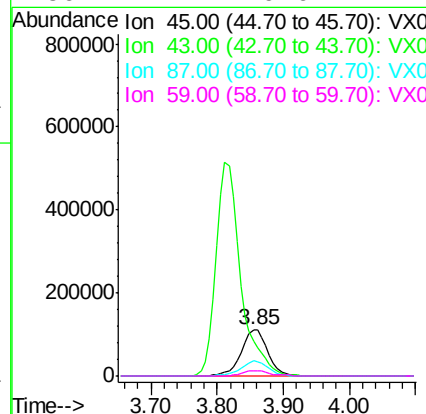
RT: 3.85 min Scan# 443

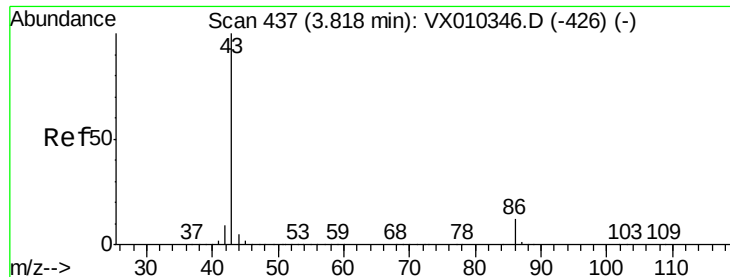
Delta R.T. -0.00 min

Lab File: VX010603.D

Acq: 01 Jul 2019 20:01

Tgt Ion:	45	Resp:	308302
Ion	Ratio	Lower	Upper
45	100		
43	74.9	63.3	94.9
87	32.0	25.8	38.8
59	11.7	9.6	14.4





#23

Vinyl Acetate

Concen: 259.392 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010603.D

Acq: 01 Jul 2019 20:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1336752

Ion Ratio Lower Upper

43 100

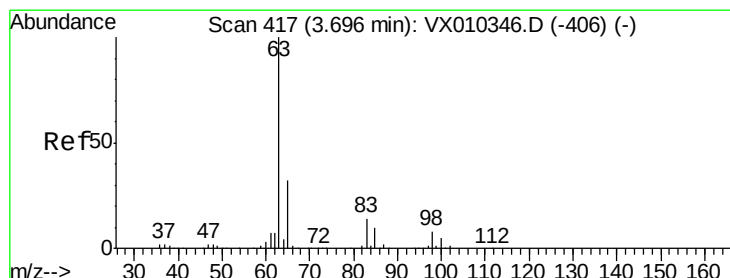
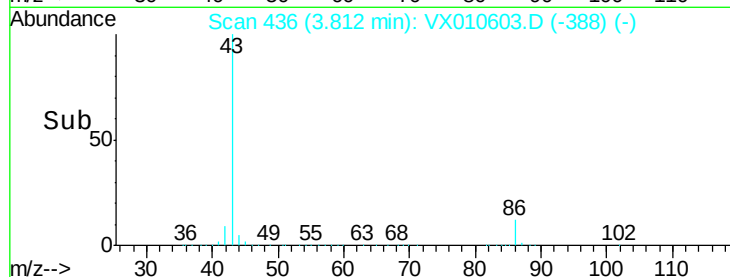
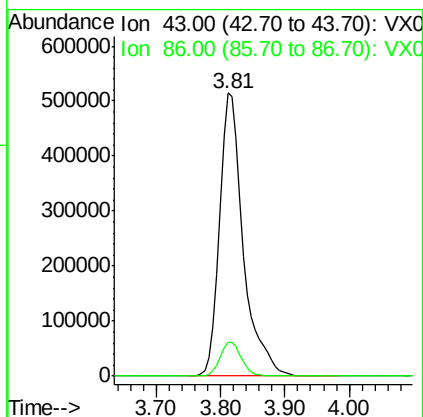
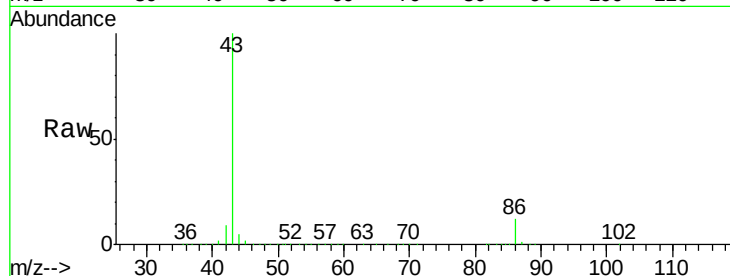
86 11.9 9.9 14.9

Manual Integrations

APPROVED

MMDadoda

7/2/2019 9:55:35 AM



#24

1,1-Dichloroethane

Concen: 50.937 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010603.D

Acq: 01 Jul 2019 20:01

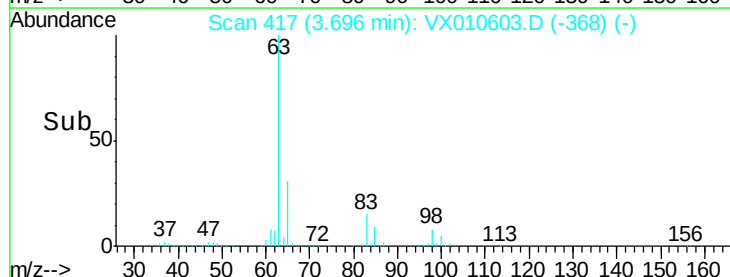
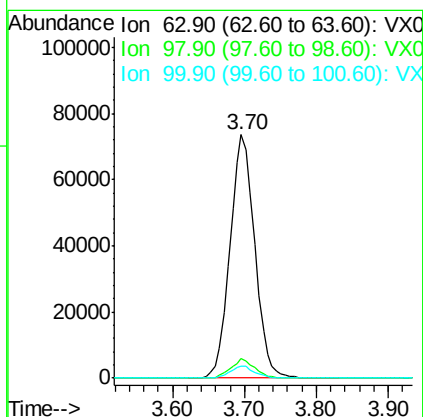
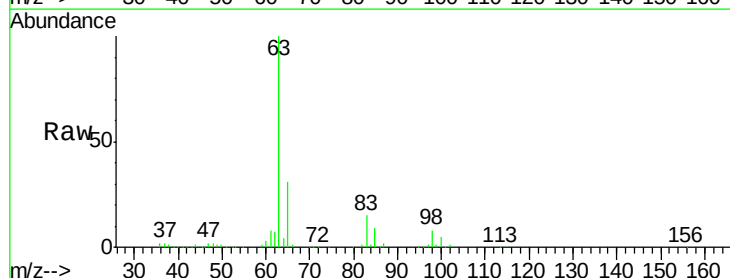
Tgt Ion: 63 Resp: 175639

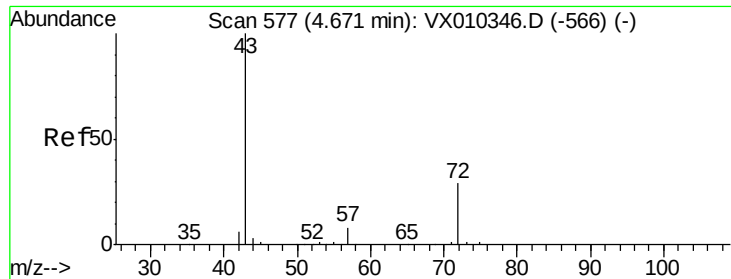
Ion Ratio Lower Upper

63 100

98 7.9 3.9 11.7

100 4.9 2.4 7.1





#25

2-Butanone

Concen: 244.445 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010603.D

Acq: 01 Jul 2019 20:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 390657

Ion Ratio Lower Upper

43 100

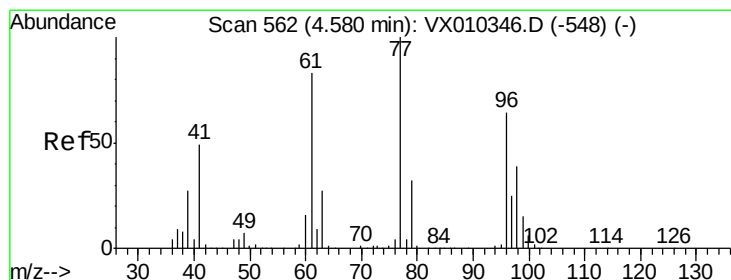
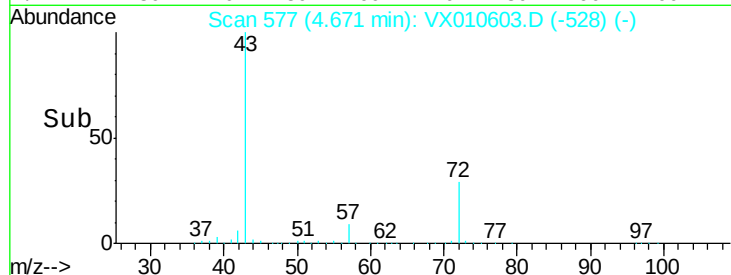
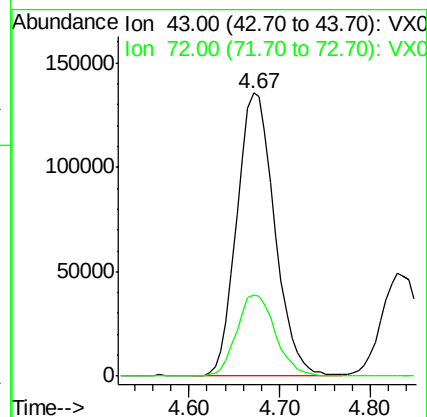
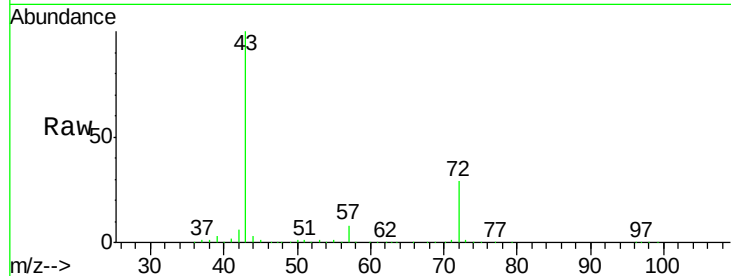
72 28.6 23.3 34.9

Manual Integrations

APPROVED

MMDadoda

7/2/2019 9:55:35 AM



#26

2,2-Dichloropropane

Concen: 42.865 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010603.D

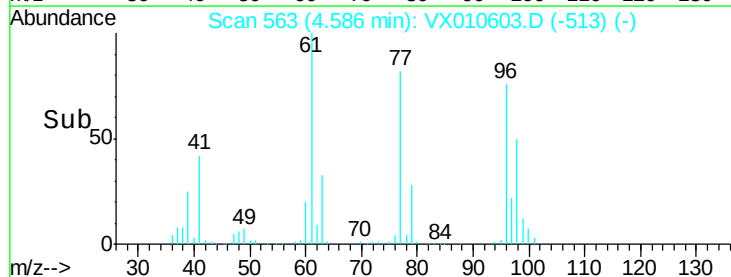
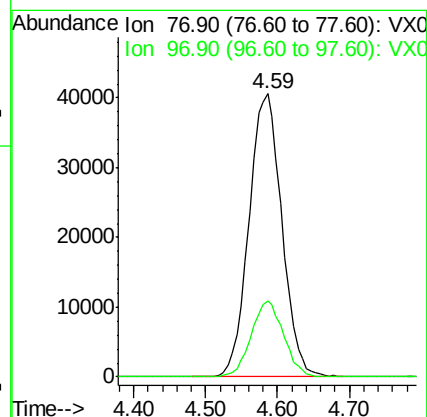
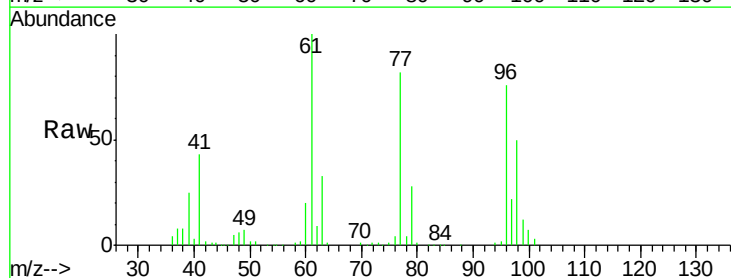
Acq: 01 Jul 2019 20:01

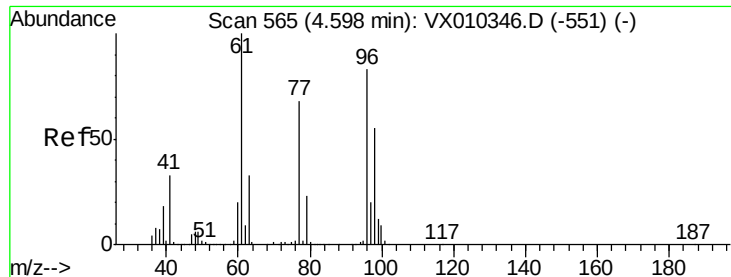
Tgt Ion: 77 Resp: 128398

Ion Ratio Lower Upper

77 100

97 26.5 13.1 39.3





#27

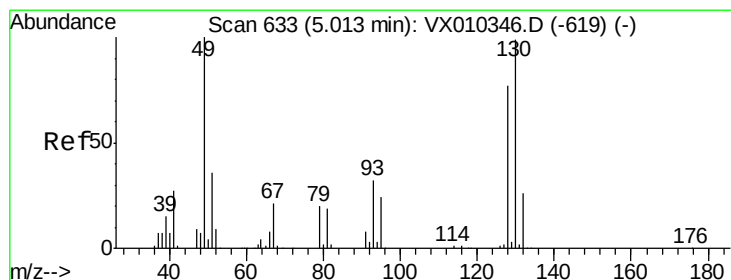
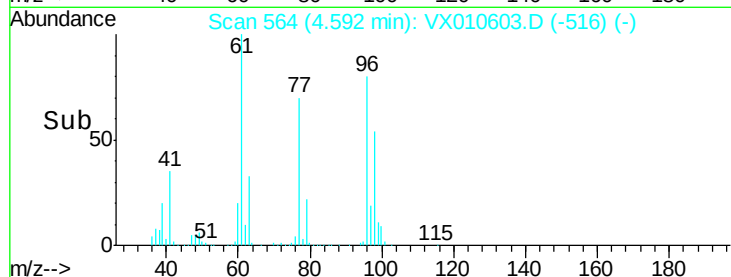
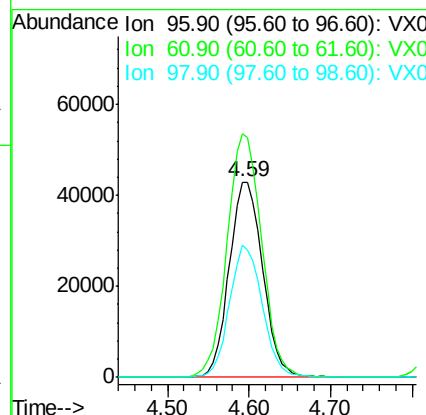
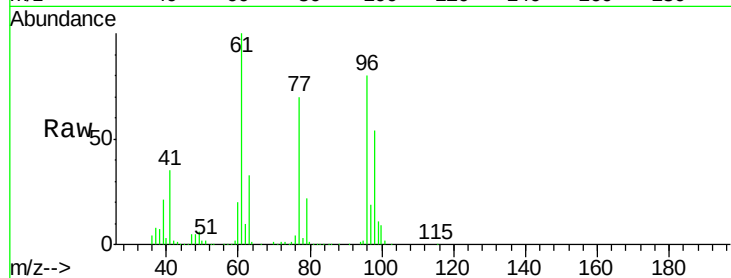
cis-1,2-Dichloroethene
Concen: 48.919 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	129.2	0.0	251.8	
98	65.9	0.0	129.4	

Manual Integrations
APPROVED

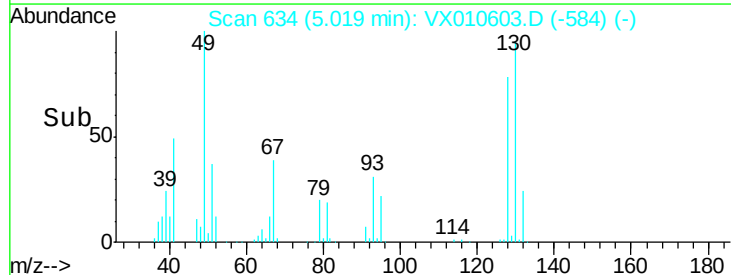
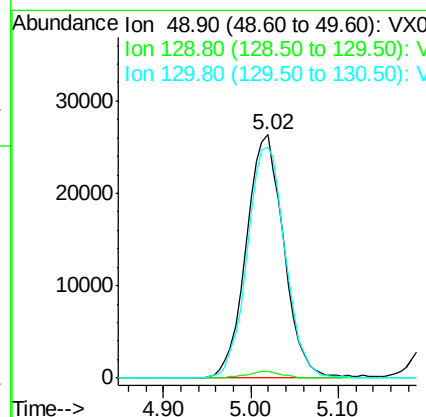
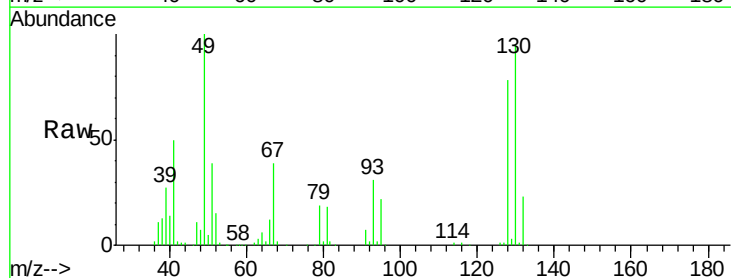
MMDadoda
7/2/2019 9:55:35 AM

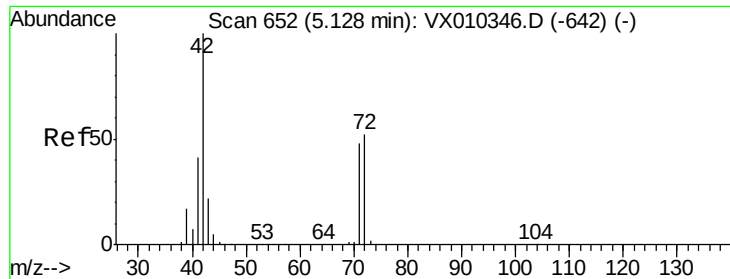


#28

Bromochloromethane
Concen: 47.692 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.7	0.0	5.6	
130	96.6	81.4	122.0	





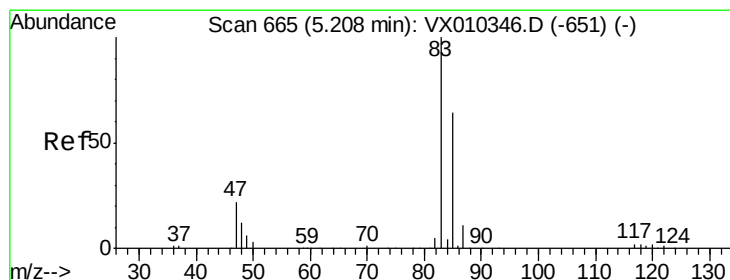
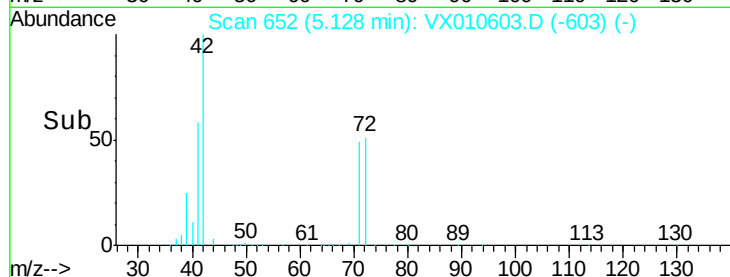
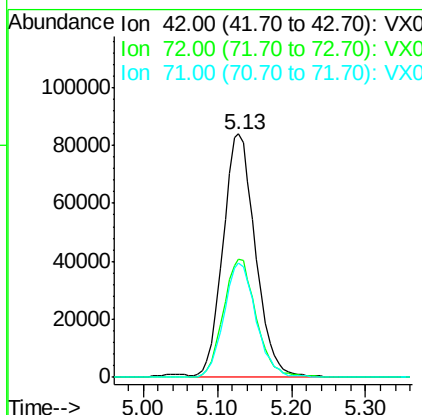
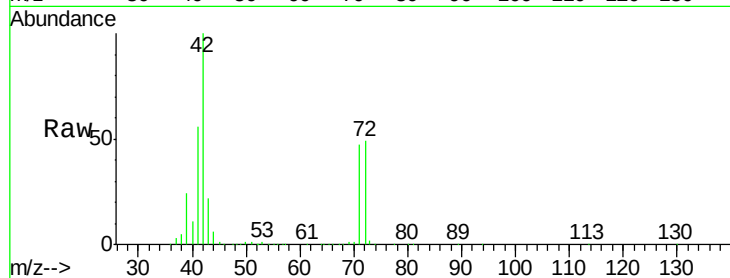
#29
Tetrahydrofuran
Concen: 255.055 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.9	40.6	60.8
71	47.0	37.8	56.8

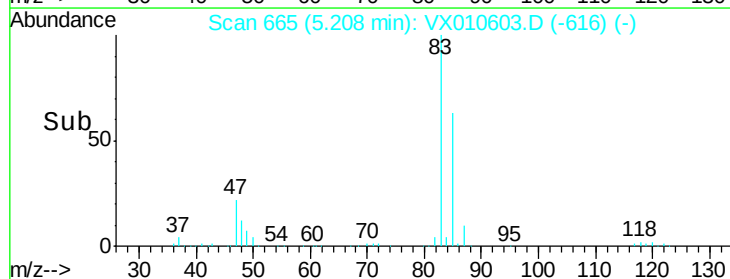
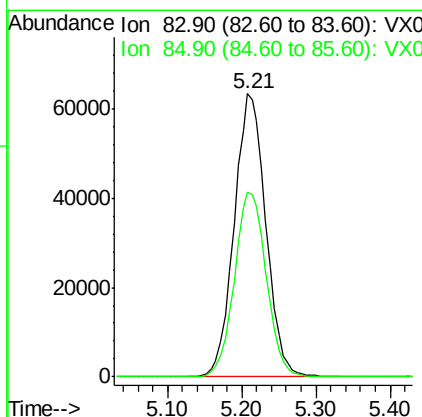
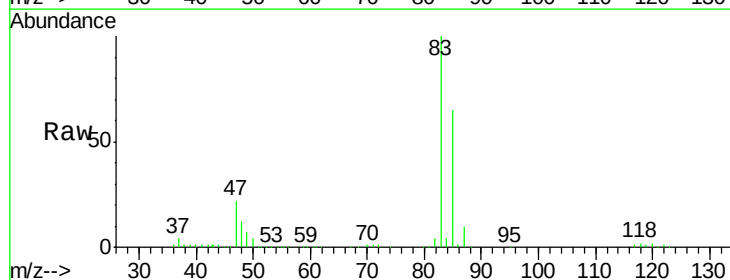
Manual Integrations
APPROVED

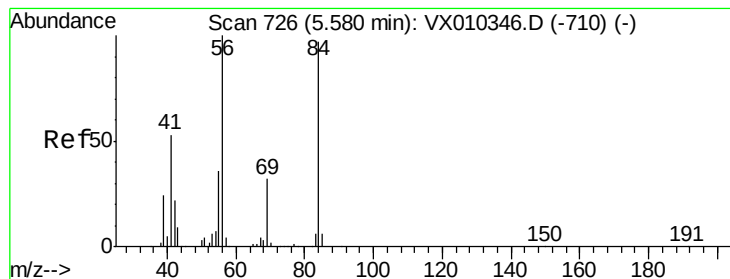
MMDadoda
7/2/2019 9:55:35 AM



#30
Chloroform
Concen: 50.775 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.9	76.3





#31

Cyclohexane

Concen: 47.040 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX010603.D

Acq: 01 Jul 2019 20:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 147708

Ion Ratio Lower Upper

56 100

69 32.0 25.9 38.9

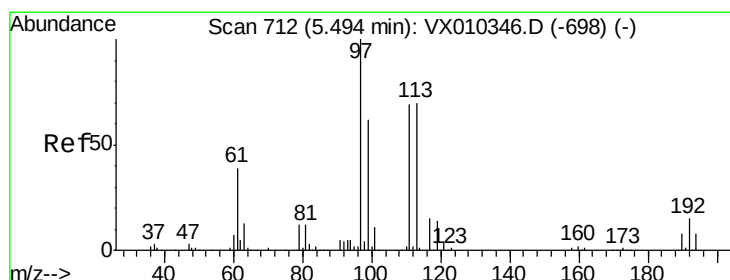
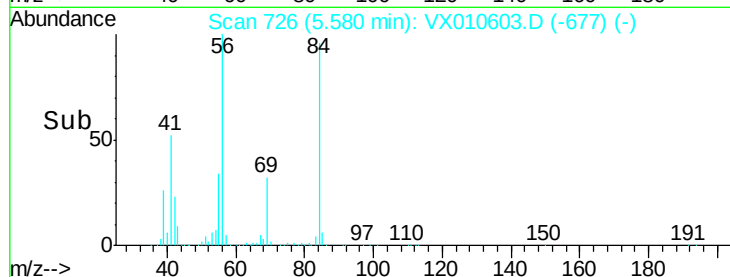
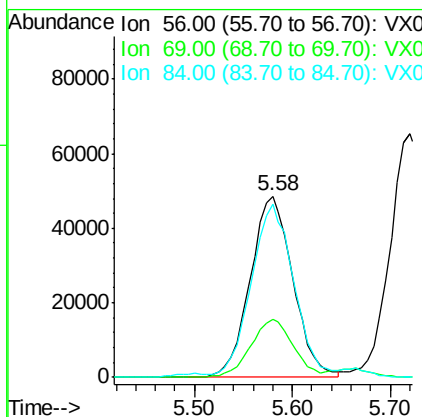
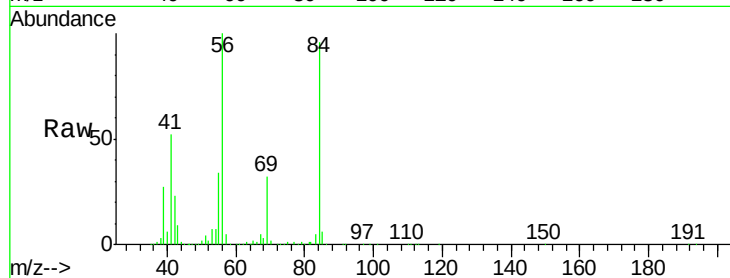
84 93.8 78.0 117.0

Manual Integrations

APPROVED

MMDadoda

7/2/2019 9:55:35 AM



#32

1,1,1-Trichloroethane

Concen: 50.054 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX010603.D

Acq: 01 Jul 2019 20:01

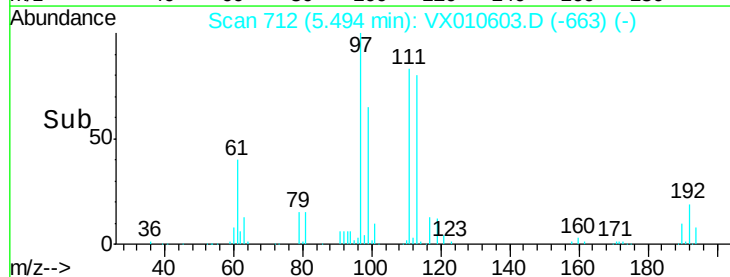
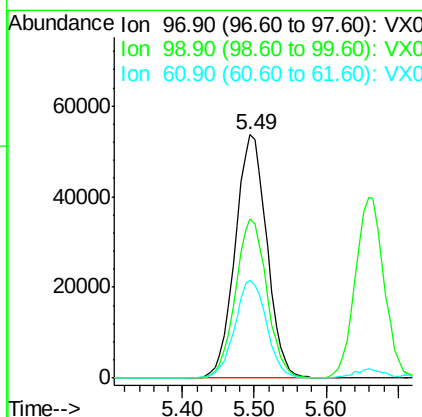
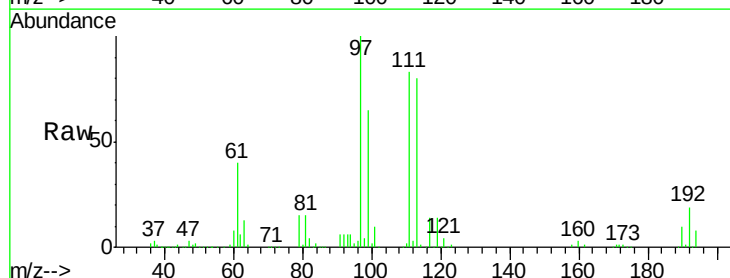
Tgt Ion: 97 Resp: 163976

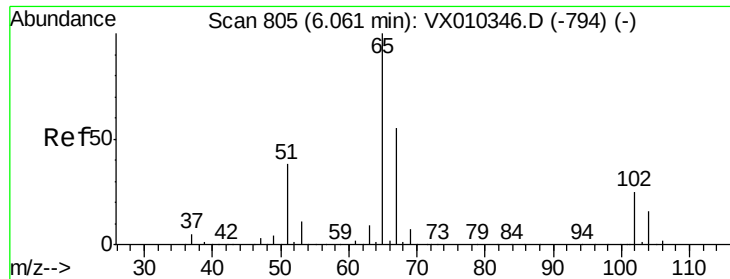
Ion Ratio Lower Upper

97 100

99 64.8 51.8 77.8

61 40.4 32.1 48.1





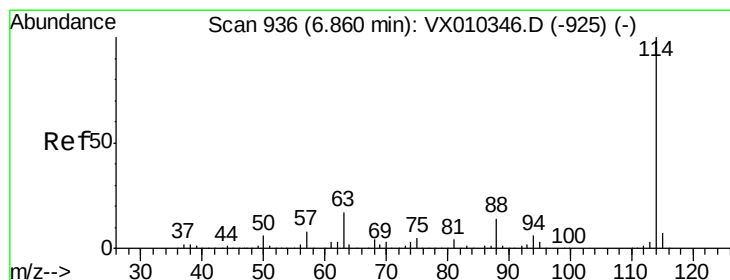
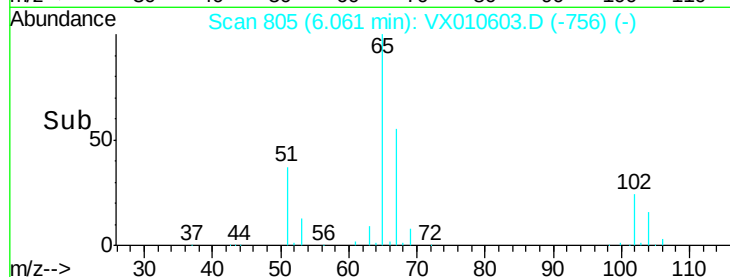
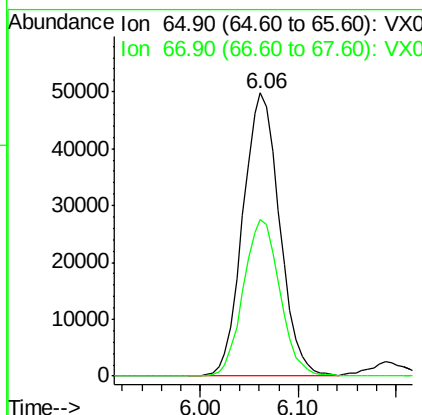
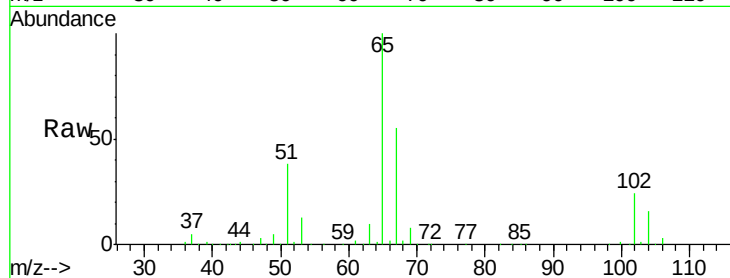
#33
 1,2-Dichloroethane-d4
 Concen: 59.851 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX010603.D
 Acq: 01 Jul 2019 20:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 130110
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 110.2

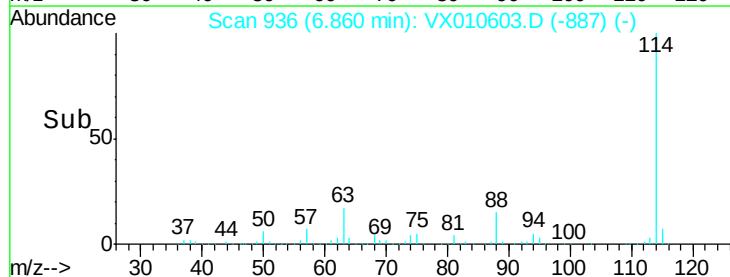
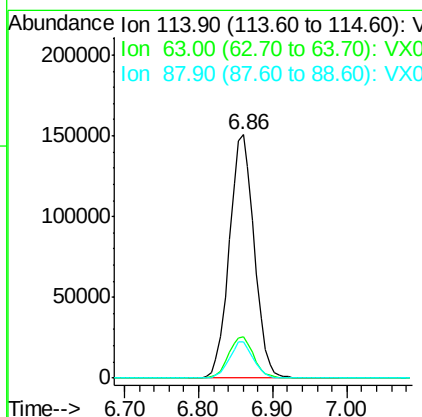
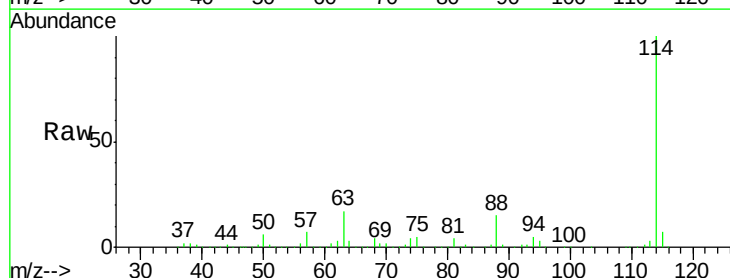
Manual Integrations
 APPROVED

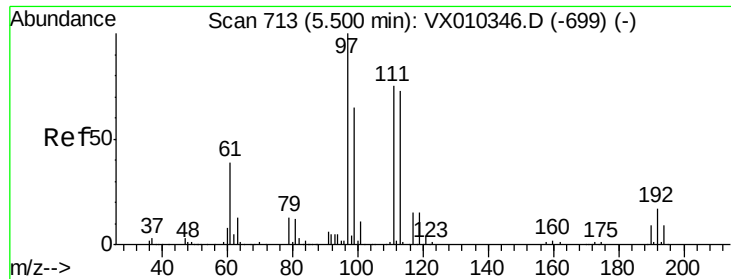
MMDadoda
 7/2/2019 9:55:35 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010603.D
 Acq: 01 Jul 2019 20:01

Tgt Ion: 114 Resp: 352717
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 33.8
 88 14.7 0.0 27.6





#35

Dibromofluoromethane

Concen: 58.401 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010603.D

Acq: 01 Jul 2019 20:01

Instrument :

MSVOA_X

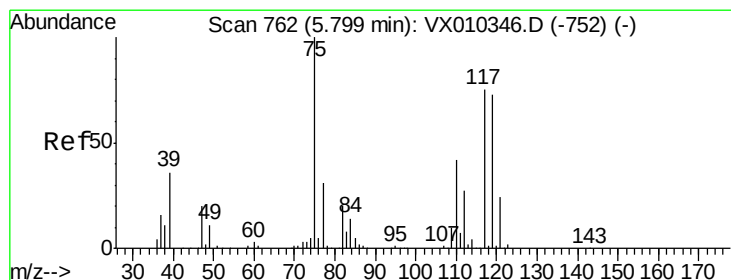
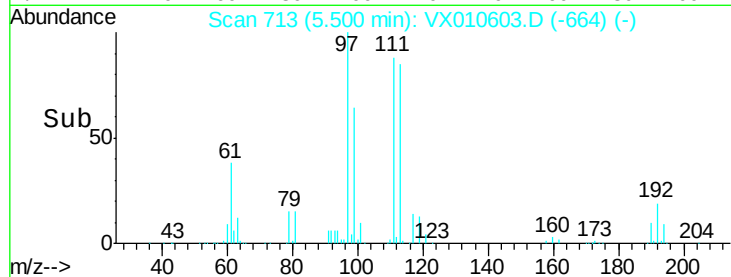
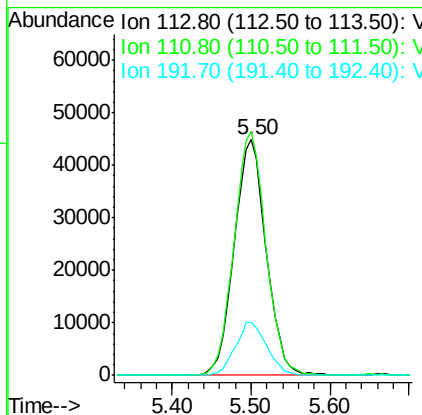
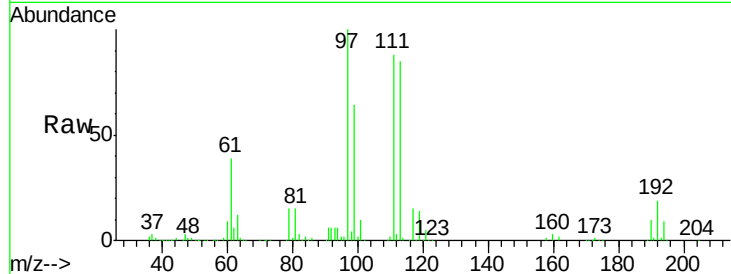
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	126033
Ion Ratio	Lower	Upper	
113	100		
111	103.1	81.2	121.8
192	22.4	18.6	27.8

Manual Integrations
APPROVED

MMDadoda
7/2/2019 9:55:35 AM



#36

1,1-Dichloropropene

Concen: 46.916 ug/l

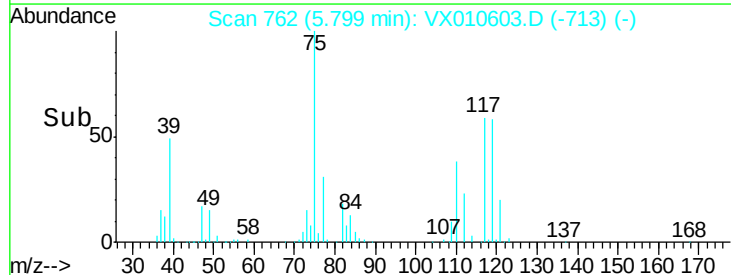
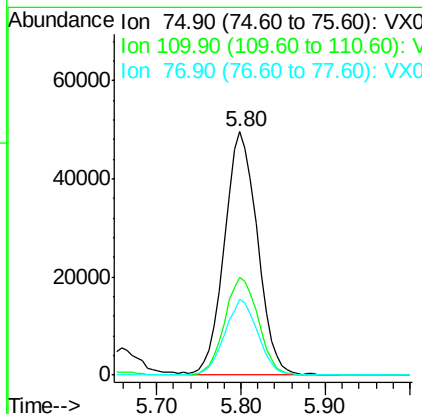
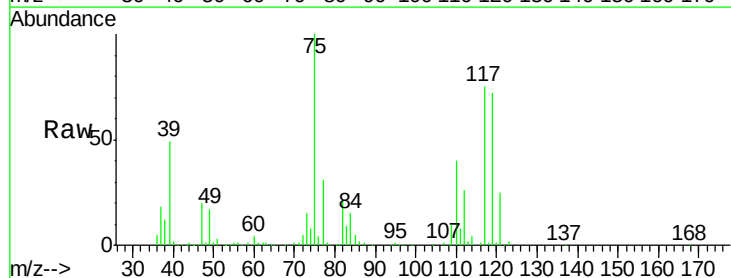
RT: 5.80 min Scan# 762

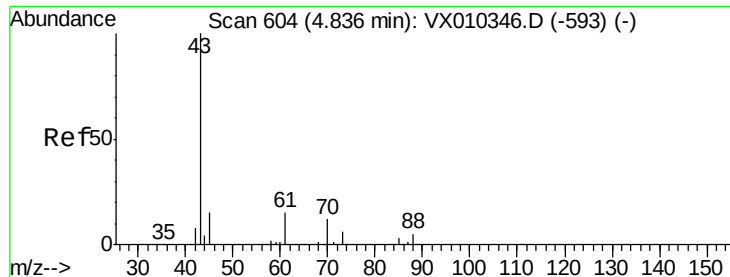
Delta R.T. -0.00 min

Lab File: VX010603.D

Acq: 01 Jul 2019 20:01

Tgt Ion:	75	Resp:	131500
Ion Ratio	Lower	Upper	
75	100		
110	41.1	20.8	62.2
77	31.8	25.4	38.0





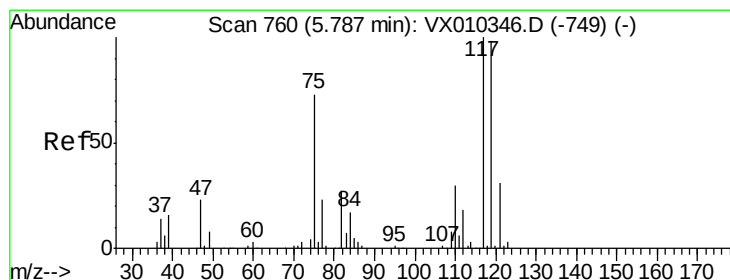
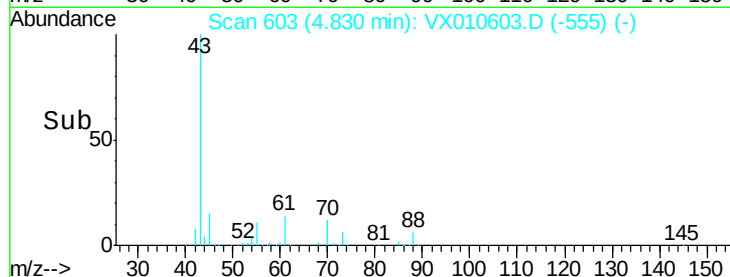
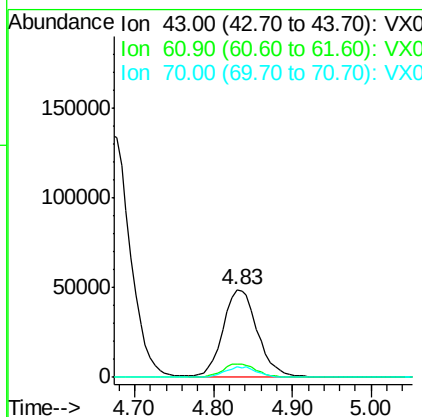
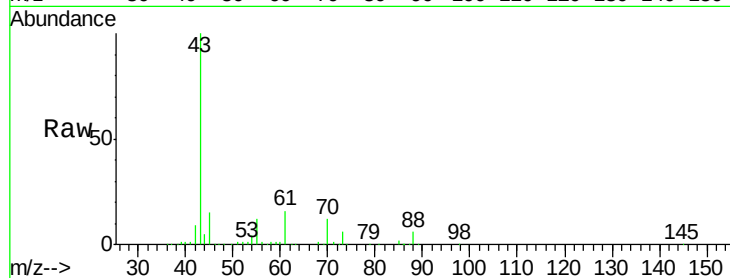
#37
Ethyl Acetate
Concen: 50.959 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion	43	Resp	146939
Ion Ratio	Lower	Upper	
43	100		
61	15.5	12.4	18.6
70	11.8	9.8	14.8

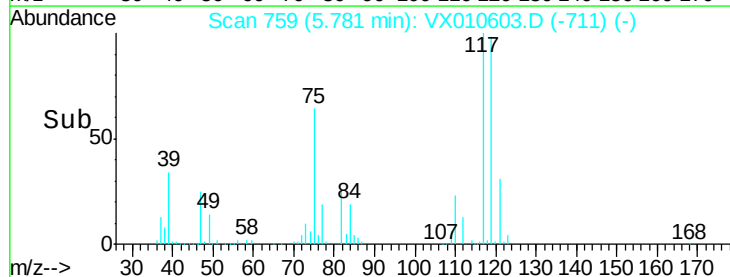
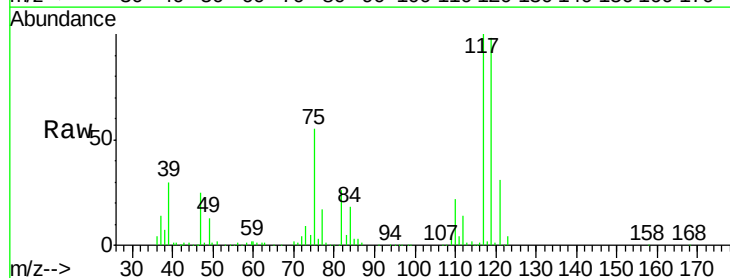
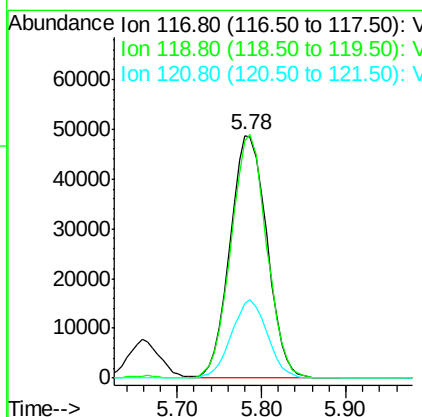
Manual Integrations
APPROVED

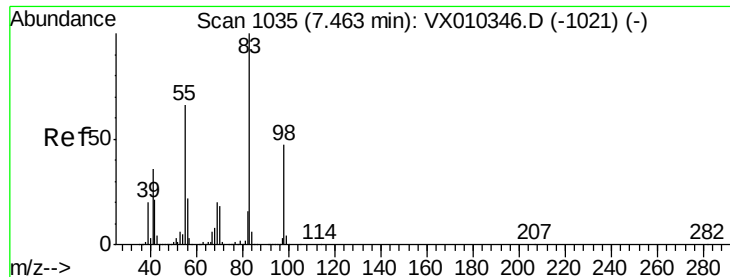
MMDadoda
7/2/2019 9:55:35 AM



#38
Carbon Tetrachloride
Concen: 47.544 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Tgt Ion	117	Resp	144303
Ion Ratio	Lower	Upper	
117	100		
119	97.7	78.2	117.4
121	30.7	24.7	37.1





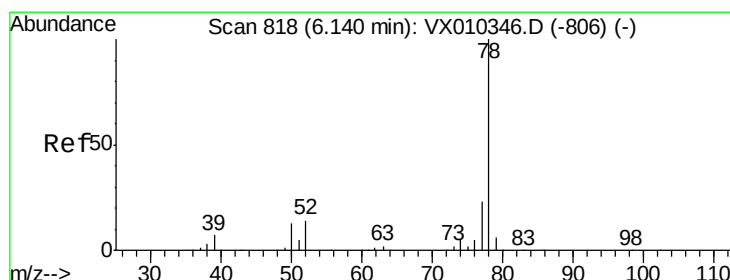
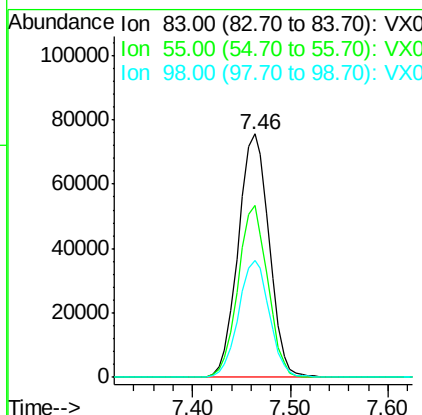
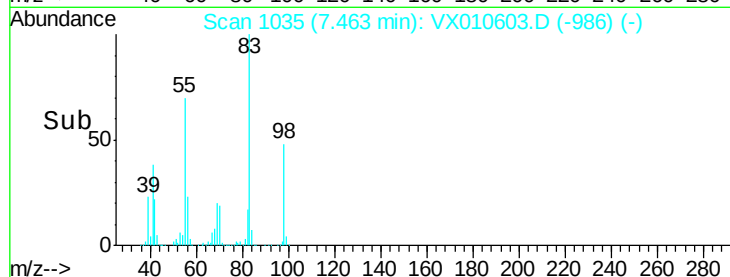
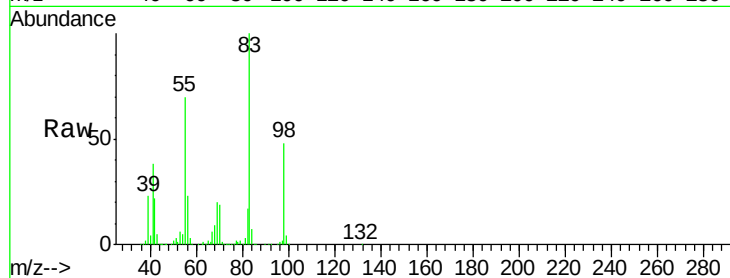
#39
Methylvlcyclohexane
Concen: 45.099 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.3	53.0	79.6
98	48.2	37.8	56.8

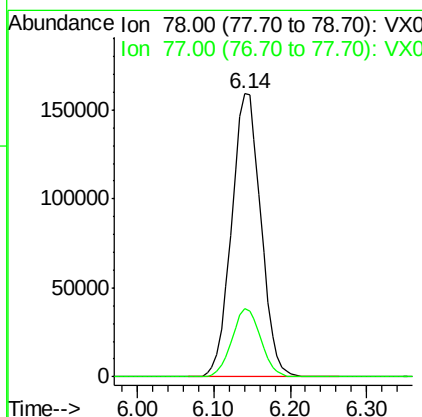
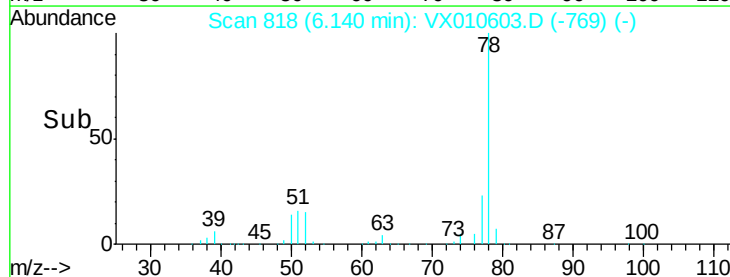
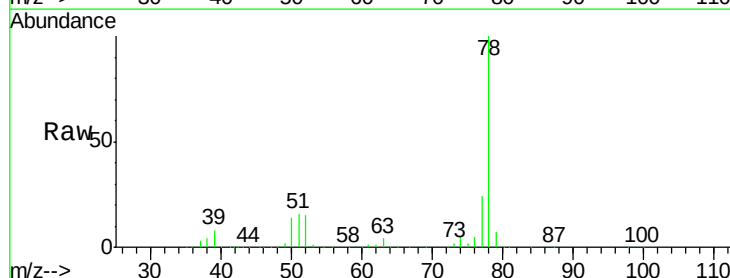
Manual Integrations
APPROVED

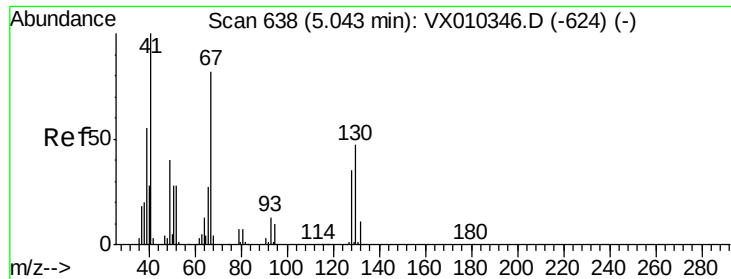
MMDadoda
7/2/2019 9:55:35 AM



#40
Benzene
Concen: 48.254 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.6	28.0





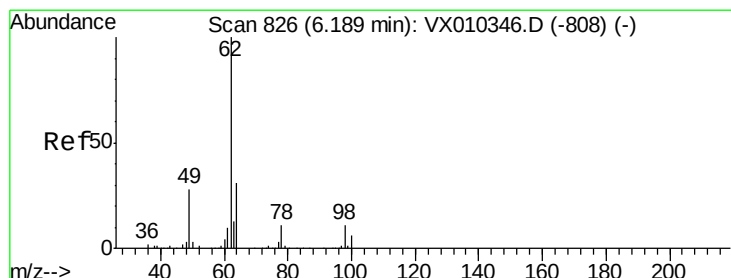
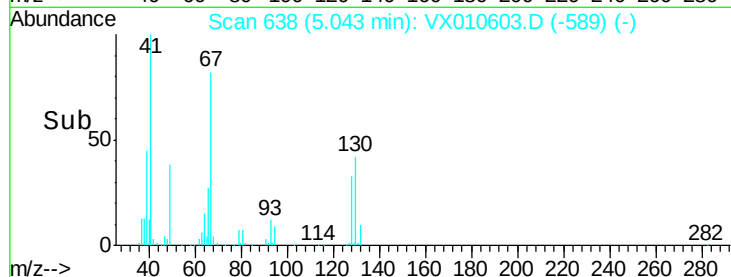
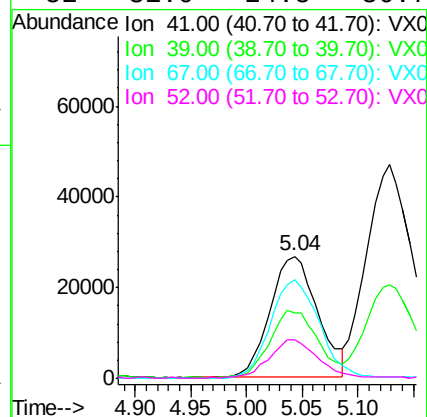
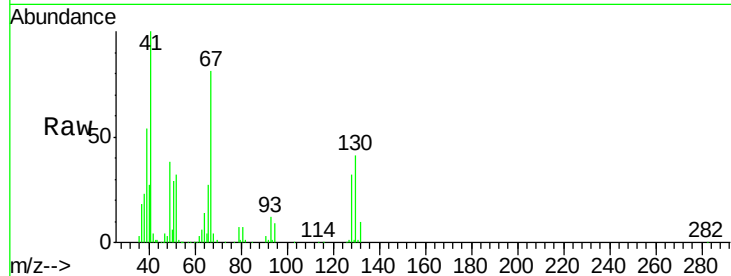
#41
Methacrylonitrile
Concen: 50.520 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.2	43.8	65.8	
67	83.6	66.6	100.0	
52	31.9	24.5	36.7	

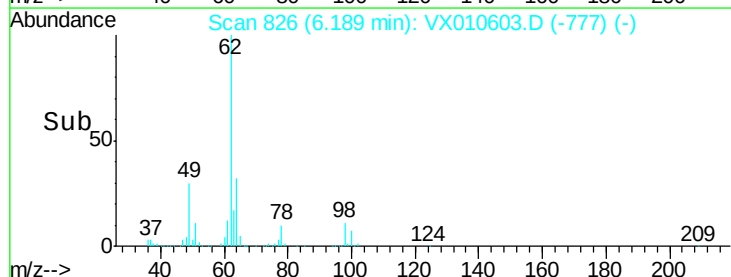
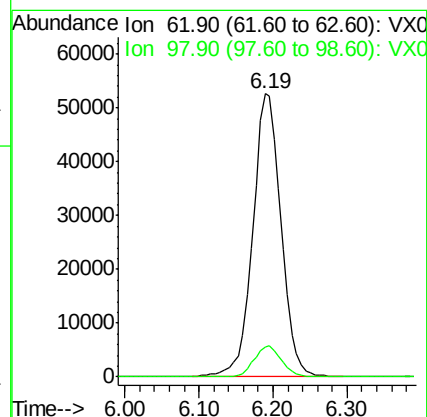
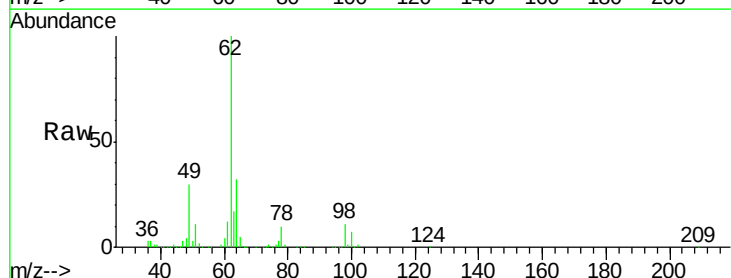
Manual Integrations
APPROVED

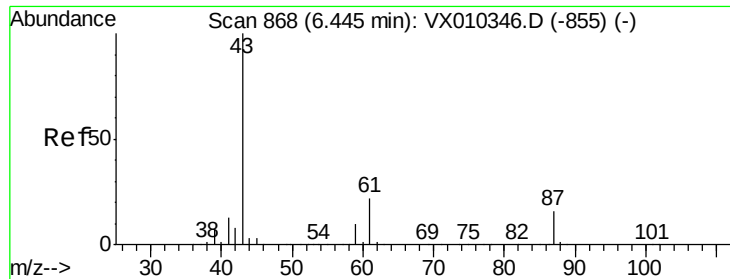
MMDadoda
7/2/2019 9:55:35 AM



#42
1,2-Dichloroethane
Concen: 52.470 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.7	0.0	22.2	





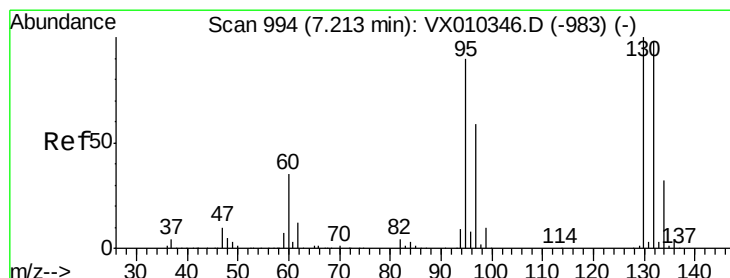
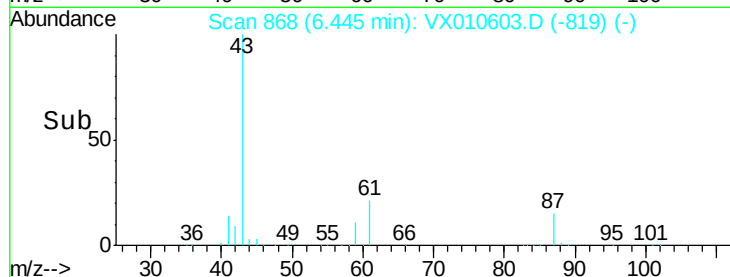
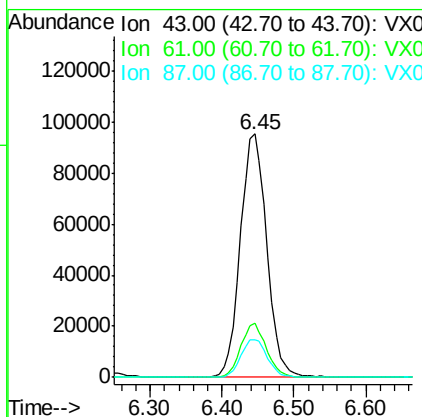
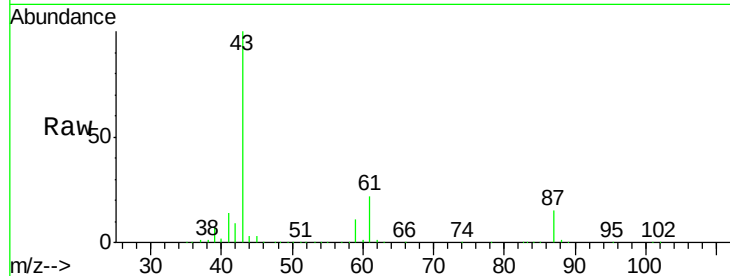
#43
Isopropyl Acetate
Concen: 50.726 ug/l
RT: 6.45 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.5	17.8	26.6
87	15.7	13.0	19.4

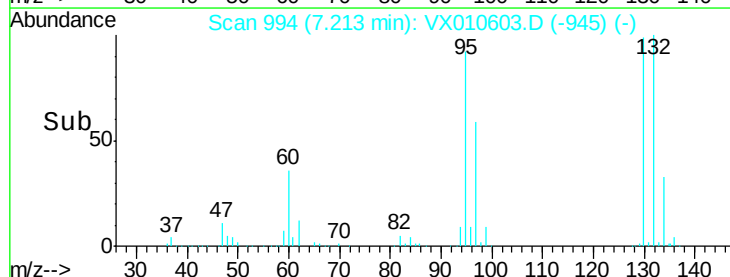
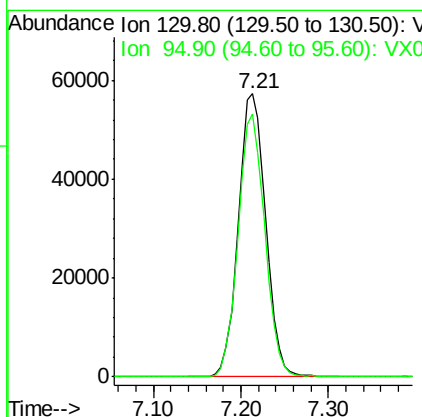
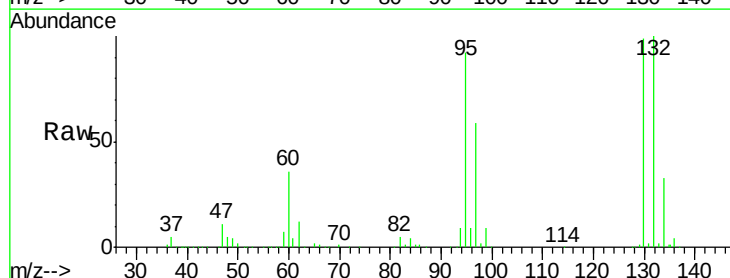
Manual Integrations
APPROVED

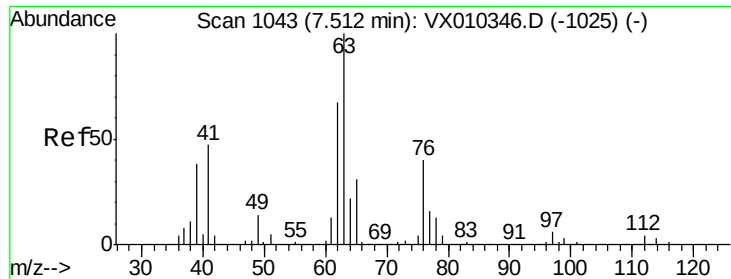
MMDadoda
7/2/2019 9:55:35 AM



#44
Trichloroethene
Concen: 47.747 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.8	0.0	180.8





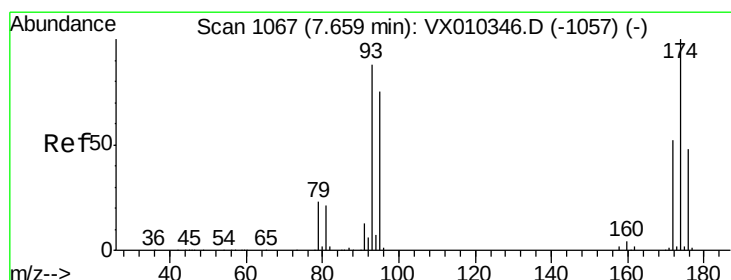
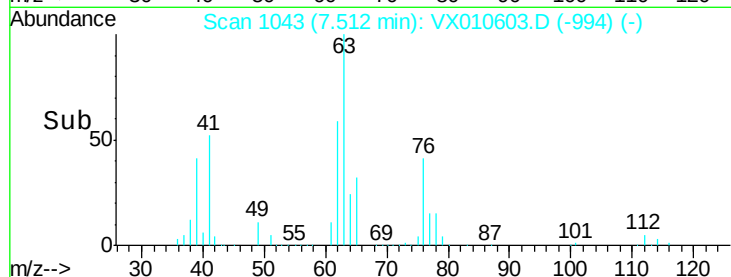
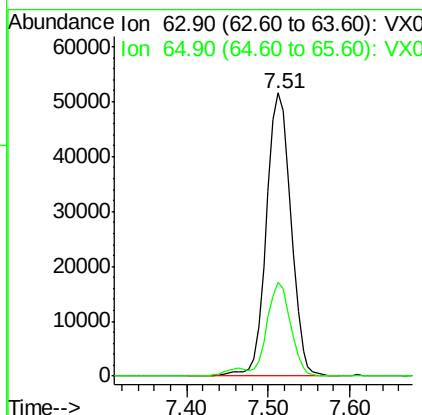
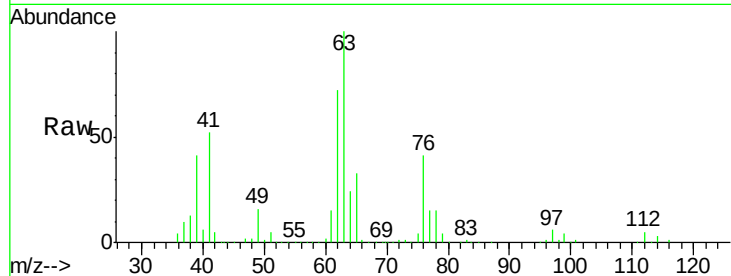
#45
 1,2-Dichloropropane
 Concen: 48.984 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX010603.D
 Acq: 01 Jul 2019 20:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 108017
 Ion Ratio Lower Upper
 63 100
 65 33.4 24.8 37.2

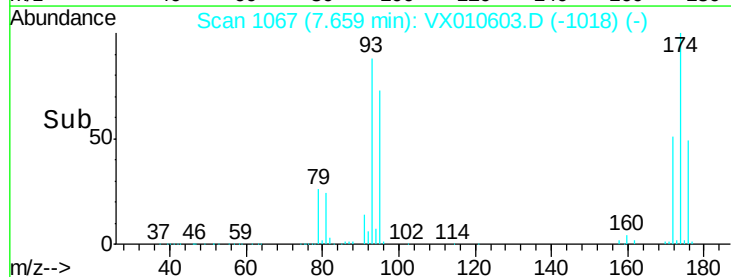
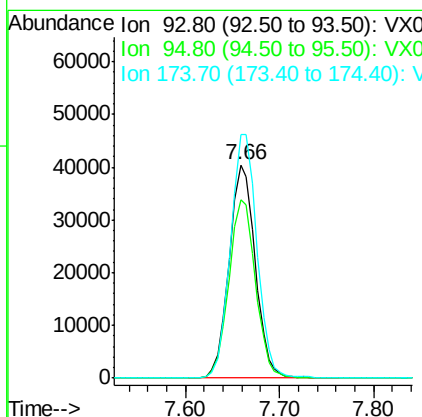
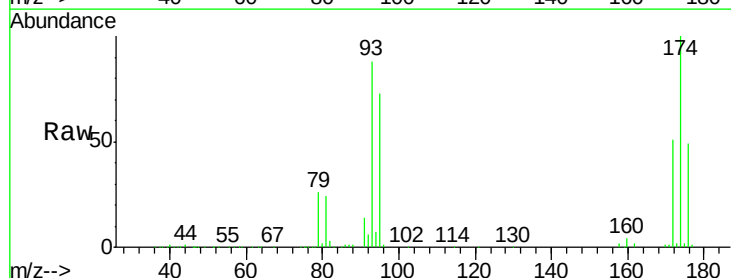
Manual Integrations
 APPROVED

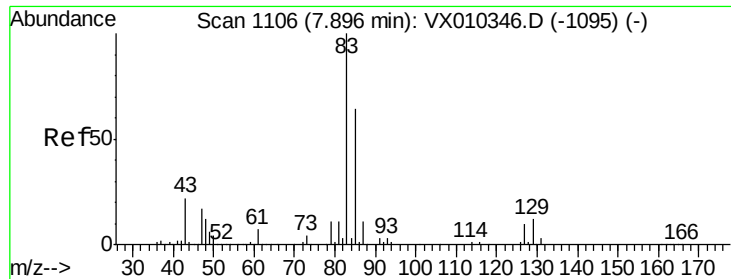
MMDadoda
 7/2/2019 9:55:35 AM



#46
 Dibromomethane
 Concen: 49.390 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX010603.D
 Acq: 01 Jul 2019 20:01

Tgt Ion: 93 Resp: 78142
 Ion Ratio Lower Upper
 93 100
 95 84.9 67.5 101.3
 174 115.9 95.8 143.6





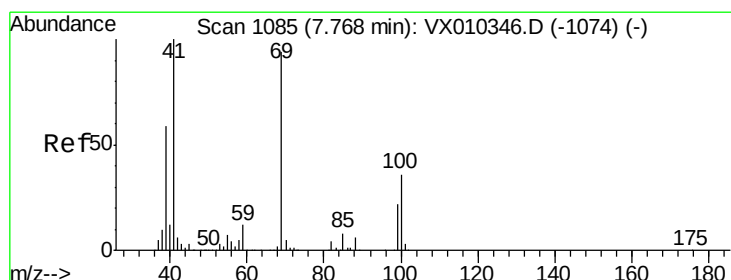
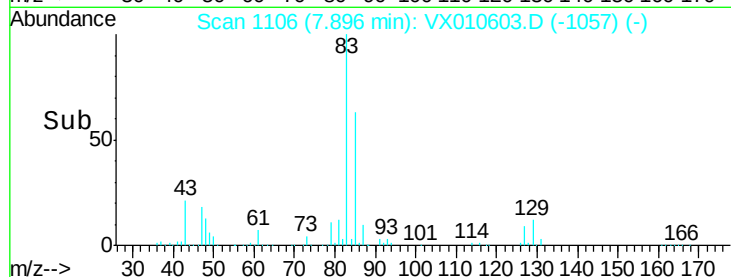
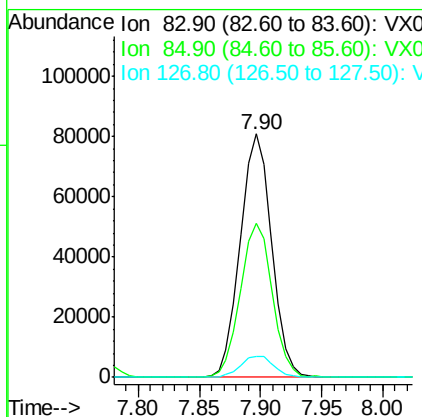
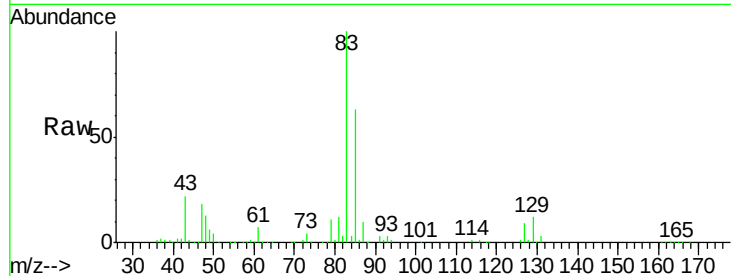
#47
Bromodichloromethane
Concen: 49.913 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	144723
Ion Ratio	100	Lower	Upper
83	100		
85	63.1	51.5	77.3
127	8.8	7.8	11.8

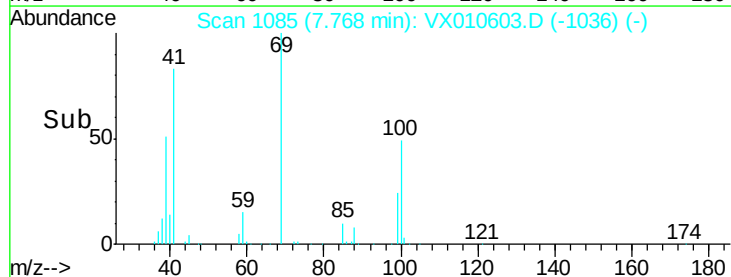
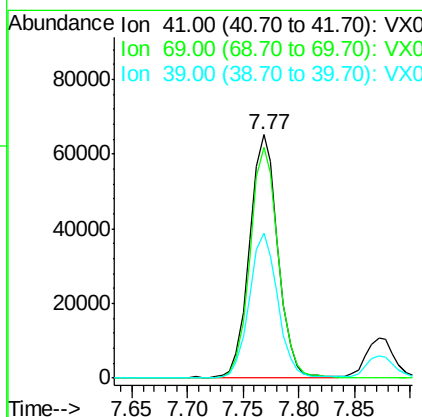
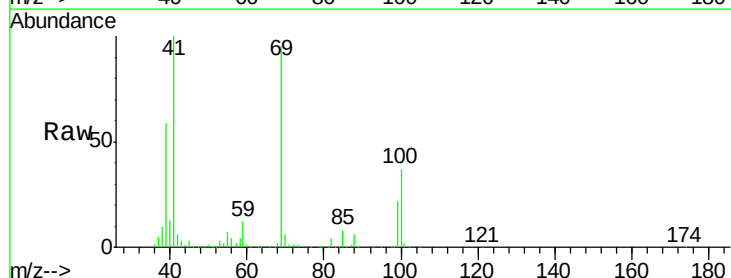
Manual Integrations
APPROVED

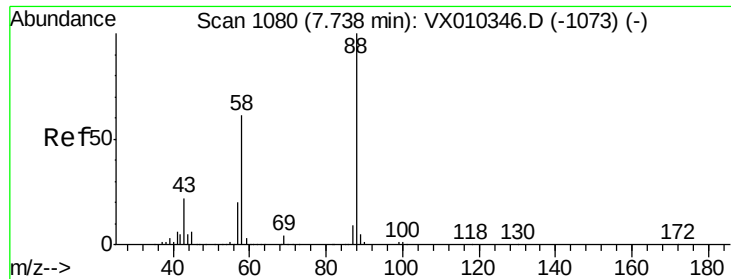
MMDadoda
7/2/2019 9:55:35 AM



#48
Methyl methacrylate
Concen: 52.156 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Tgt Ion	41	Resp	115656
Ion Ratio	100	Lower	Upper
41	100		
69	94.8	76.1	114.1
39	59.4	47.6	71.4





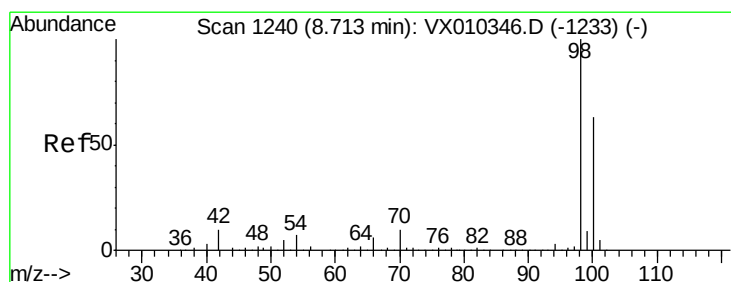
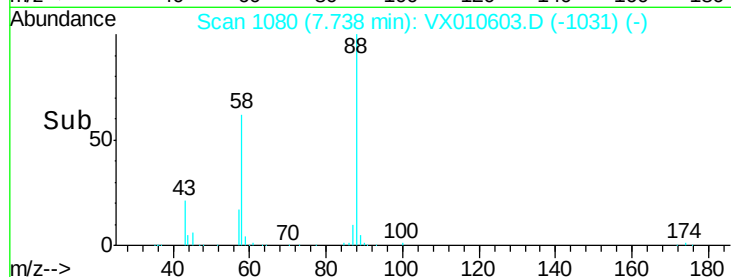
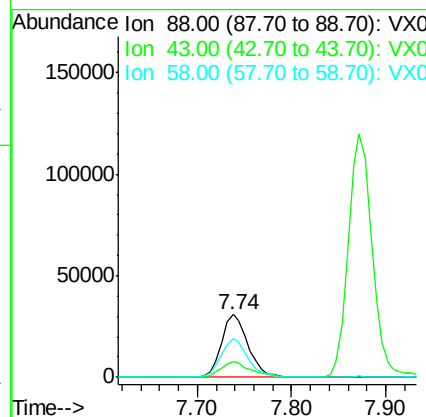
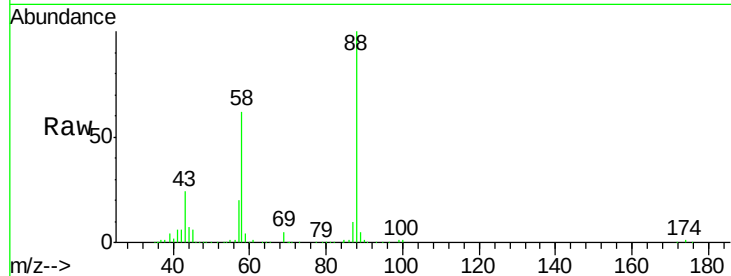
#49
 1,4-Dioxane
 Concen: 943.191 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VX010603.D
 Acq: 01 Jul 2019 20:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	88	Resp	60251
Ion	Ratio	Lower	Upper
88	100		
43	27.5	20.2	30.2
58	62.9	49.5	74.3

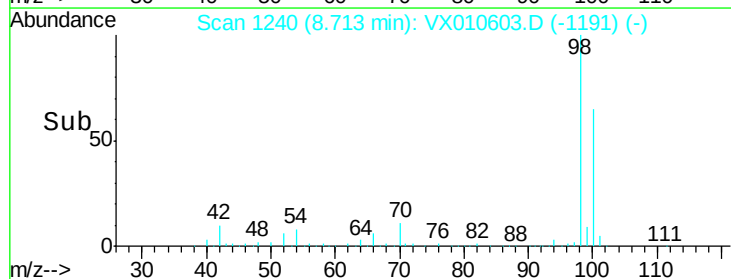
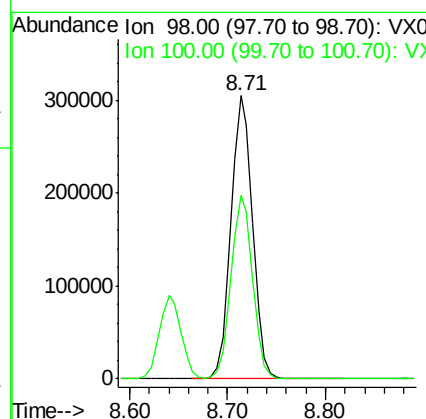
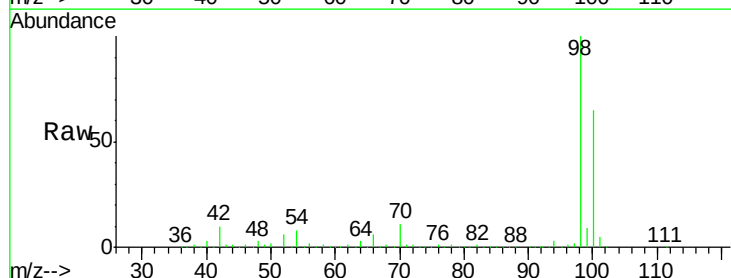
Manual Integrations
 APPROVED

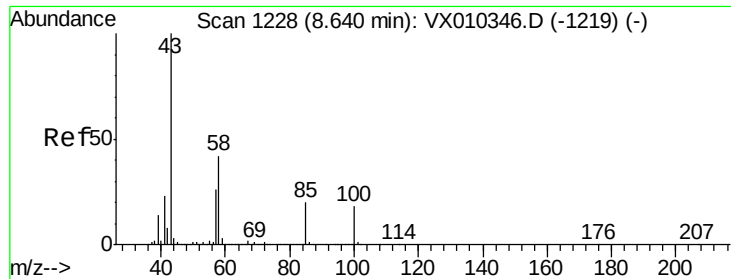
MMDadoda
 7/2/2019 9:55:35 AM



#50
 Toluene-d8
 Concen: 56.403 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX010603.D
 Acq: 01 Jul 2019 20:01

Tgt Ion	98	Resp	465682
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.6	77.4





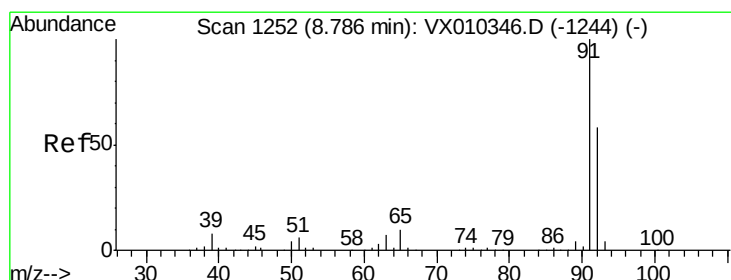
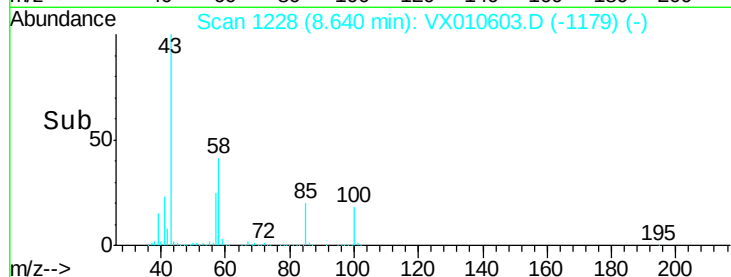
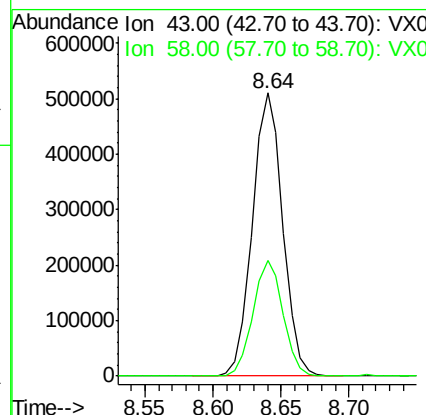
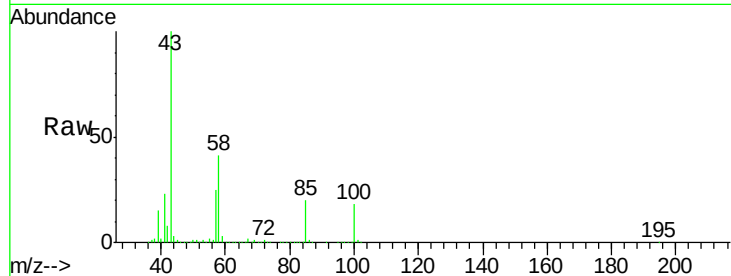
#51
4-Methyl-2-Pentanone
Concen: 261.191 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.6	33.5	50.3

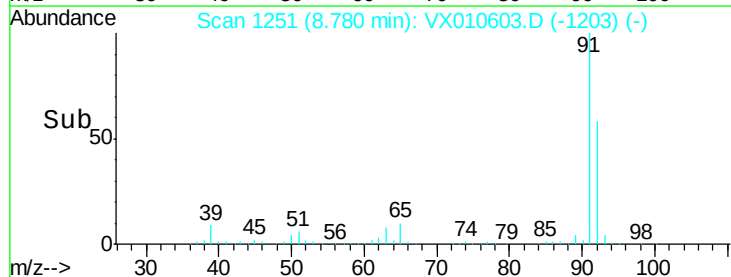
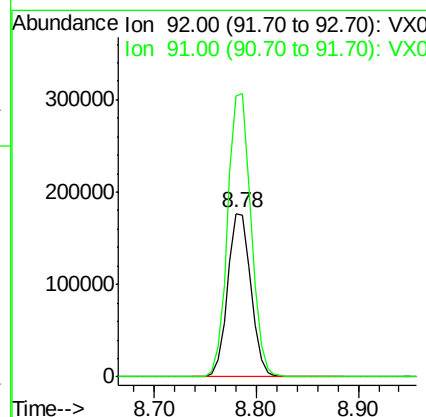
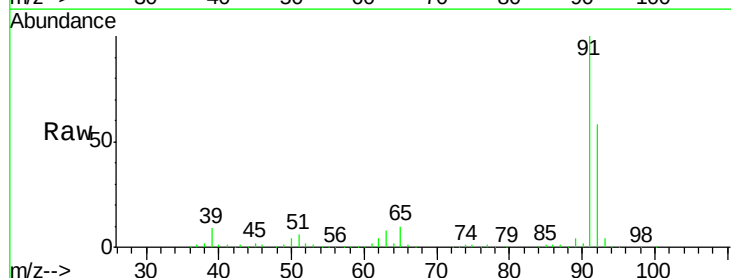
Manual Integrations
APPROVED

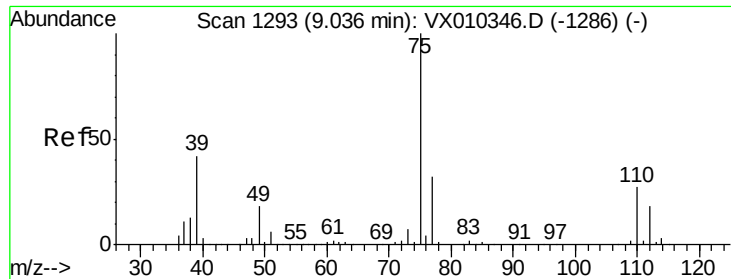
MMDadoda
7/2/2019 9:55:35 AM



#52
Toluene
Concen: 48.568 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.9	139.8	209.6





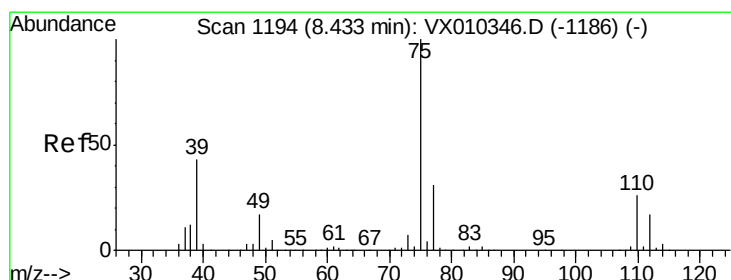
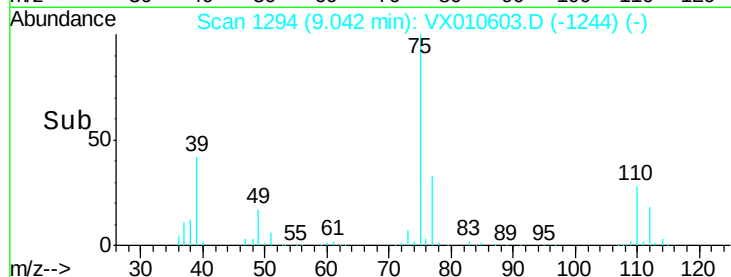
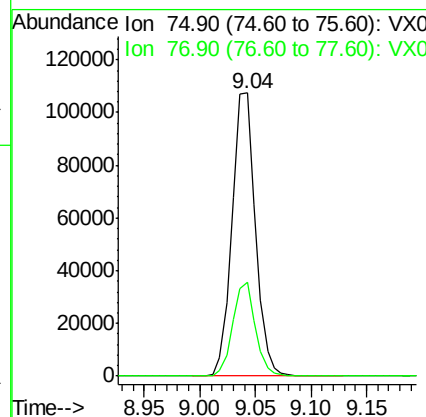
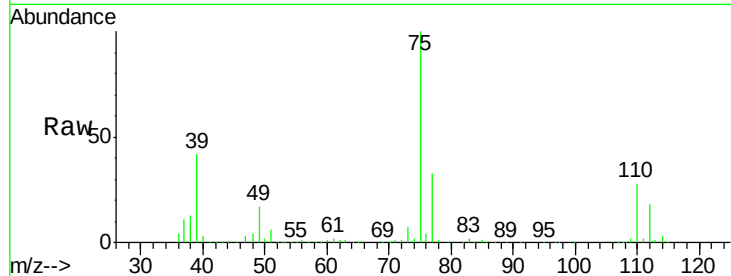
#53
t-1,3-Dichloropropene
Concen: 48.178 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 156614
Ion Ratio Lower Upper
75 100
77 33.1 25.4 38.2

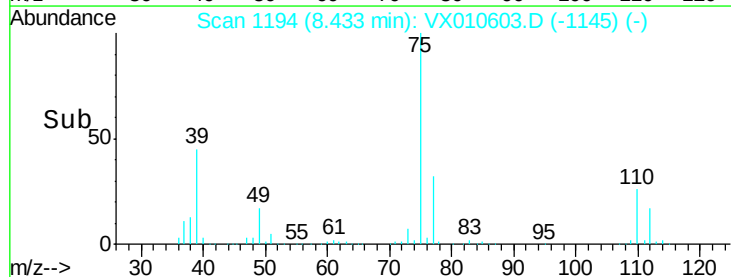
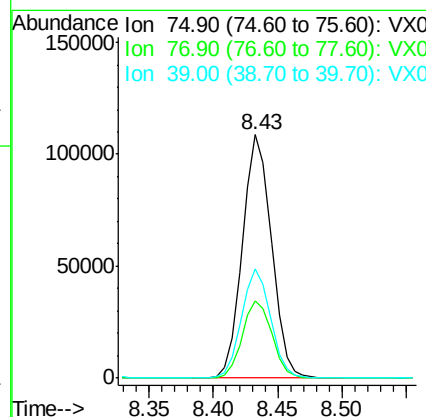
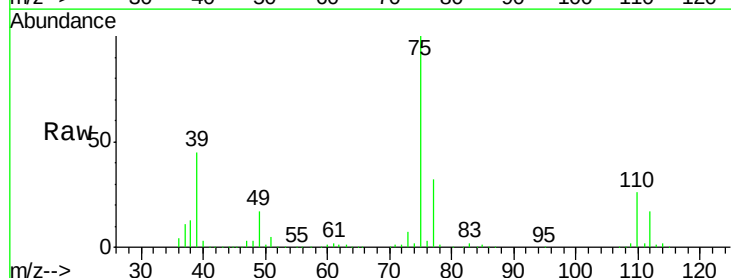
Manual Integrations
APPROVED

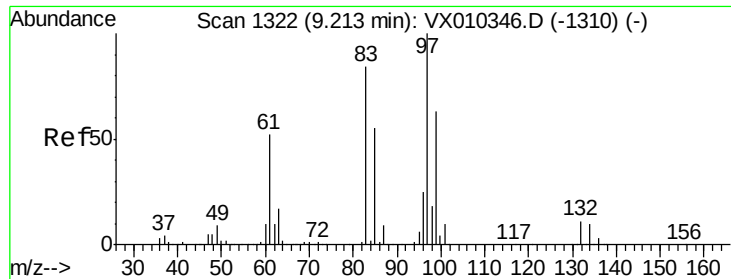
MMDadoda
7/2/2019 9:55:35 AM



#54
cis-1,3-Dichloropropene
Concen: 48.069 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Tgt Ion: 75 Resp: 169808
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8
39 44.8 34.5 51.7





#55

1,1,2-Trichloroethane

Concen: 50.288 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX010603.D

Acq: 01 Jul 2019 20:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 119265

Ion Ratio Lower Upper

97 100

83 83.1 67.4 101.0

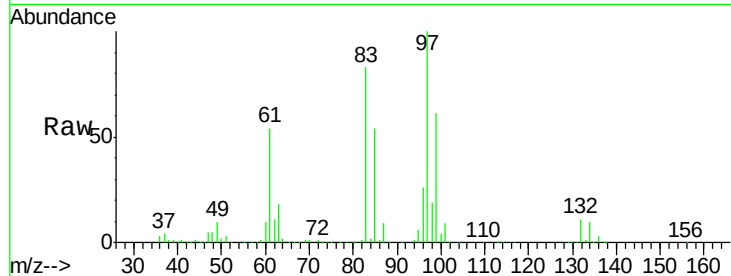
85 54.1 43.8 65.8

99 61.3 50.3 75.5

Manual Integrations
APPROVED

MMDadoda

7/2/2019 9:55:35 AM



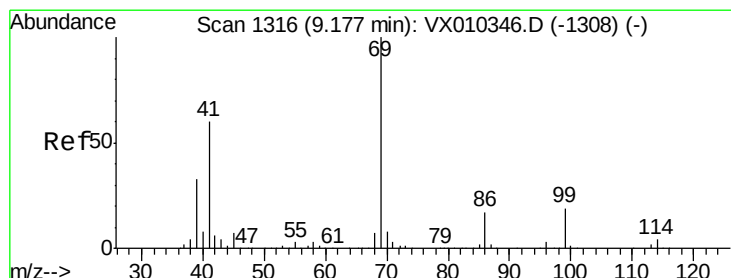
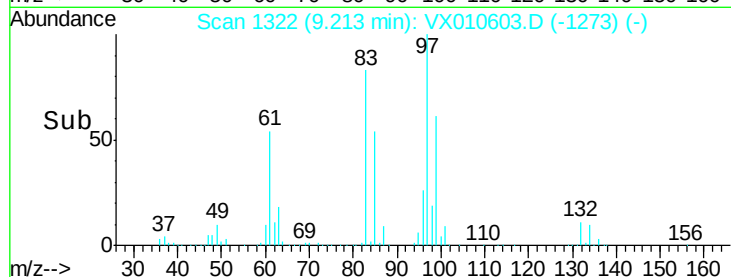
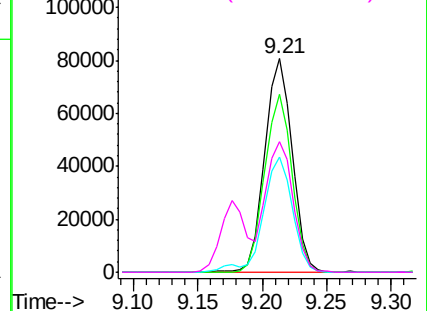
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 51.280 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX010603.D

Acq: 01 Jul 2019 20:01

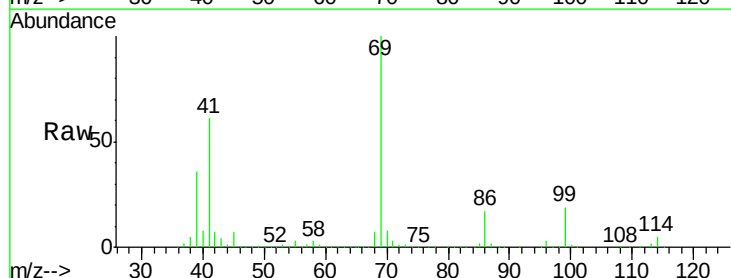
Tgt Ion: 69 Resp: 184236

Ion Ratio Lower Upper

69 100

41 60.4 47.1 70.7

39 35.9 26.6 40.0

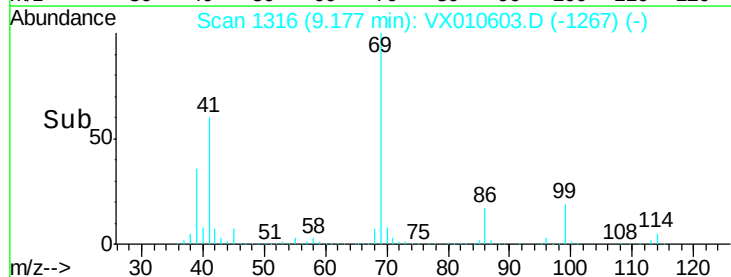
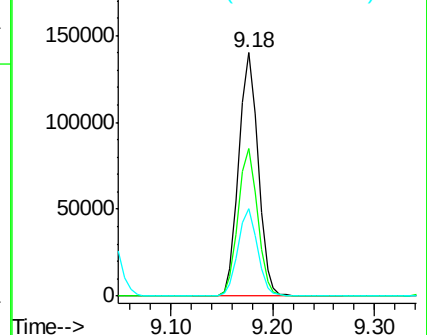


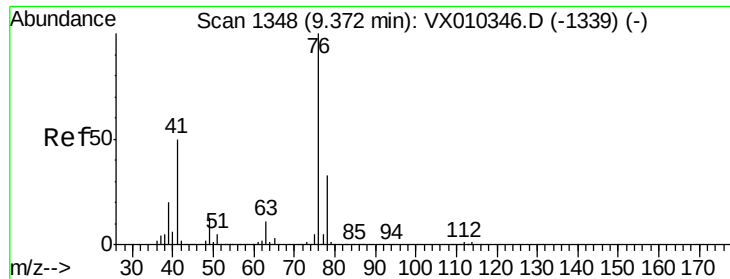
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





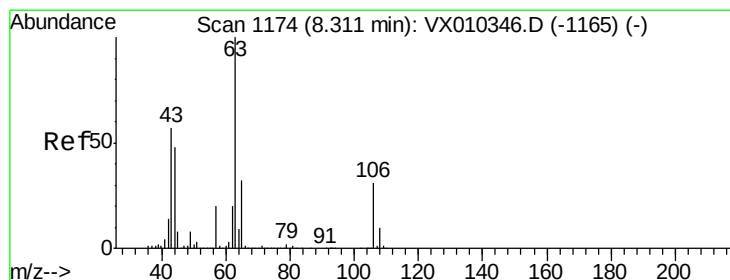
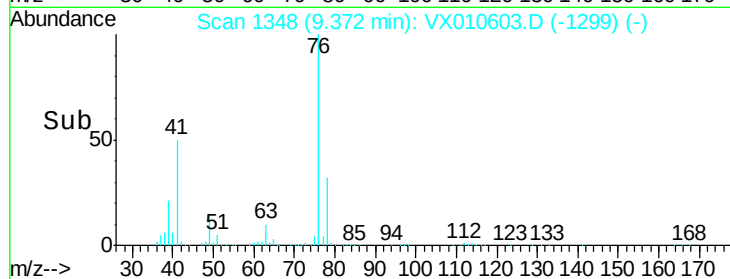
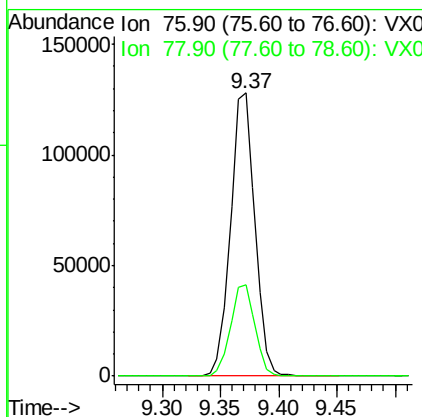
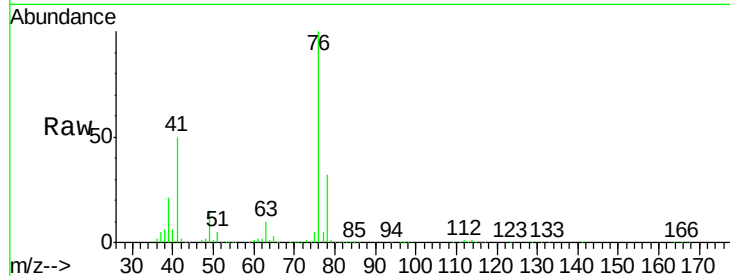
#57
 1,3-Dichloropropane
 Concen: 50.647 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX010603.D
 Acq: 01 Jul 2019 20:01

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.1	39.1

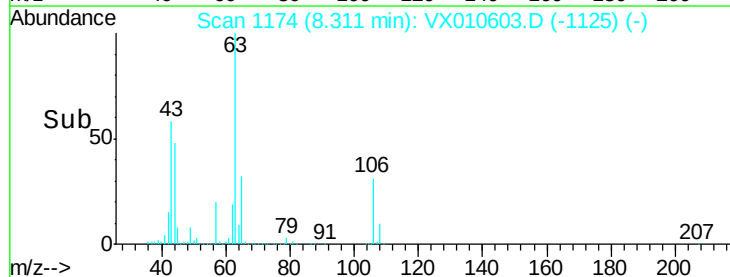
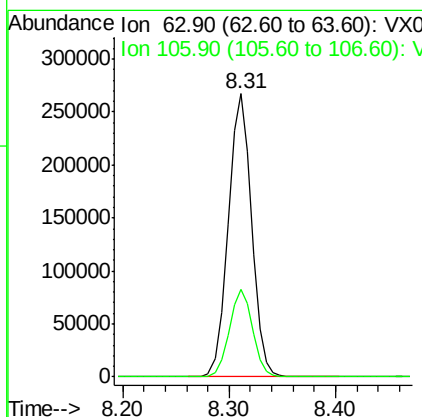
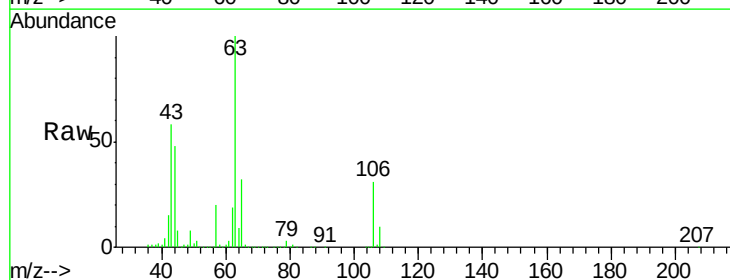
Manual Integrations
 APPROVED

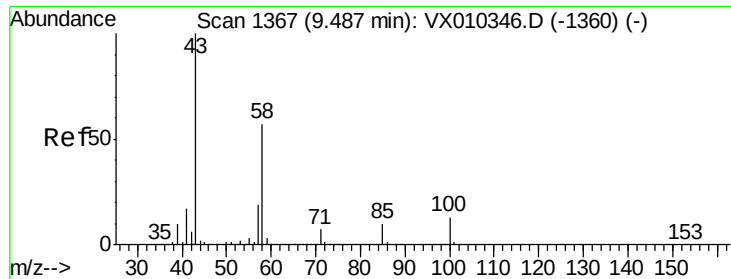
MMDadoda
 7/2/2019 9:55:35 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 240.008 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX010603.D
 Acq: 01 Jul 2019 20:01

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.8	24.7	37.1





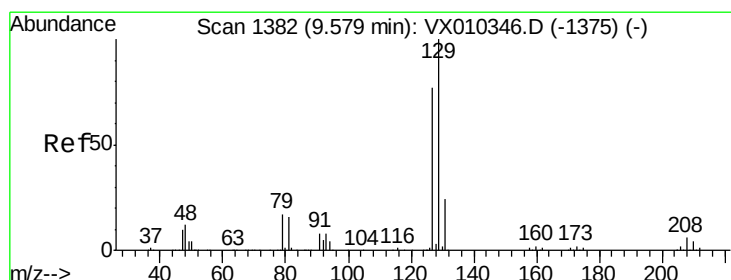
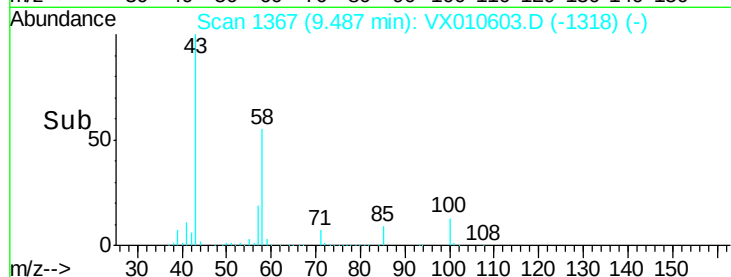
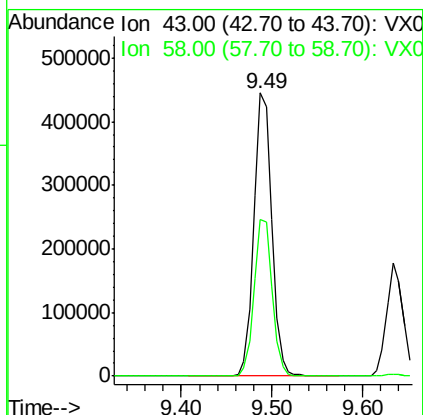
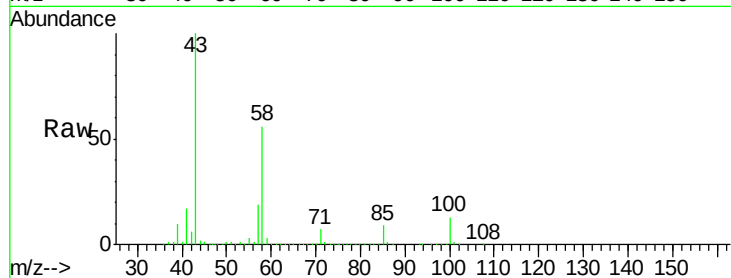
#59
2-Hexanone
Concen: 253.650 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 609107
Ion Ratio Lower Upper
43 100
58 56.2 29.0 87.1

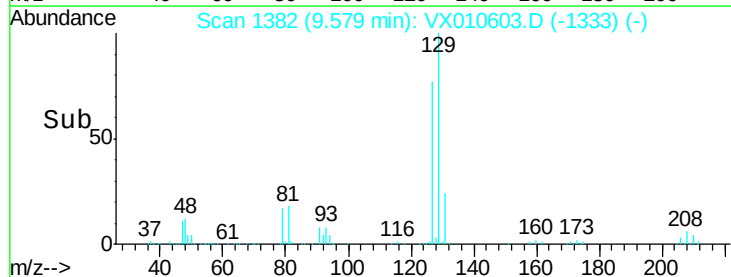
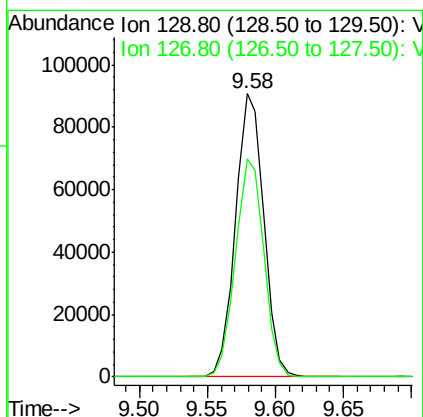
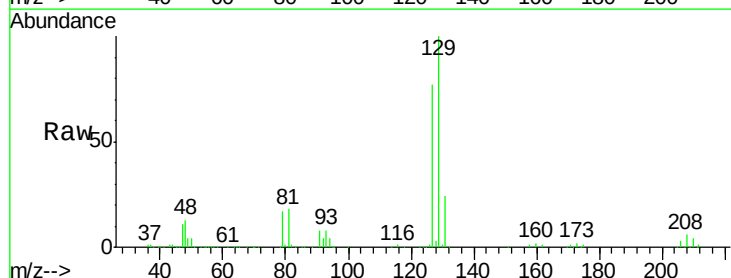
Manual Integrations
APPROVED

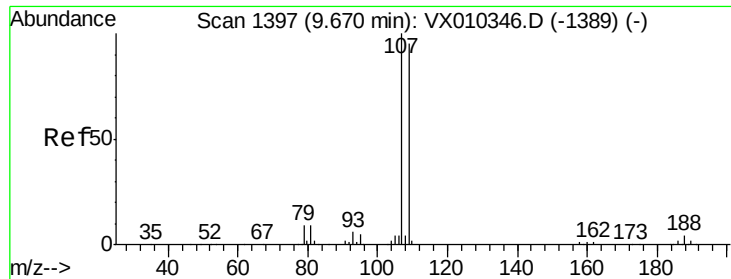
MMDadoda
7/2/2019 9:55:35 AM



#60
Dibromochloromethane
Concen: 49.441 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Tgt Ion: 129 Resp: 131288
Ion Ratio Lower Upper
129 100
127 77.4 38.4 115.1





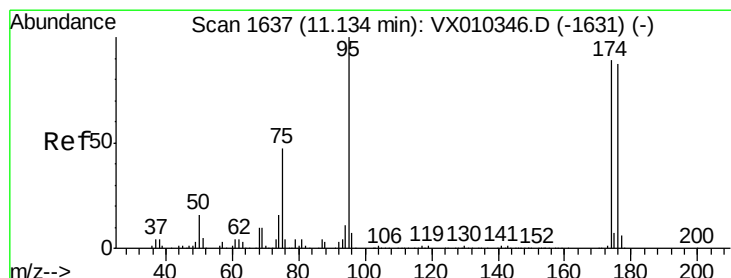
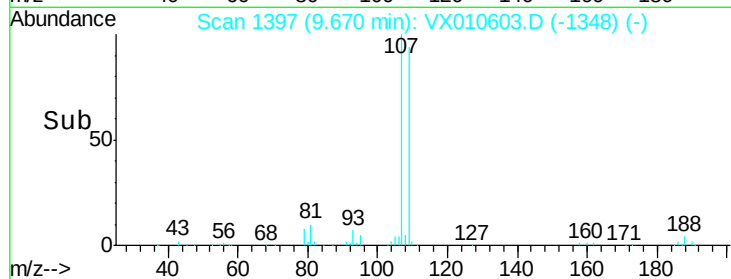
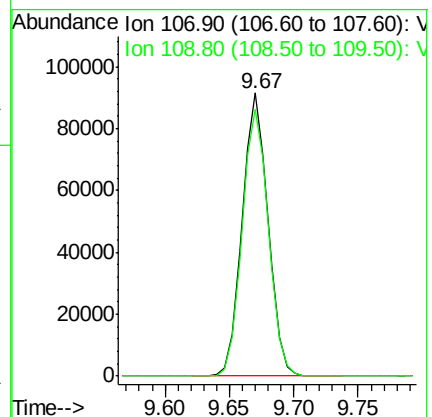
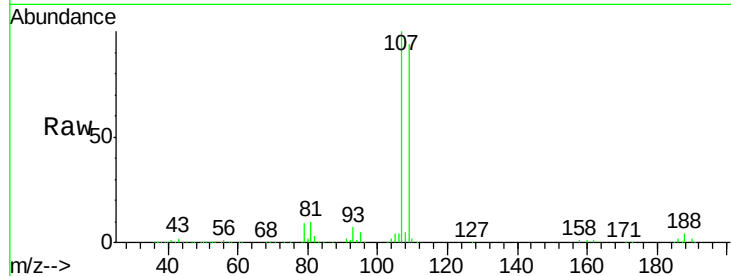
#61
 1,2-Dibromoethane
 Concen: 49.554 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX010603.D
 Acq: 01 Jul 2019 20:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	75.8	113.6

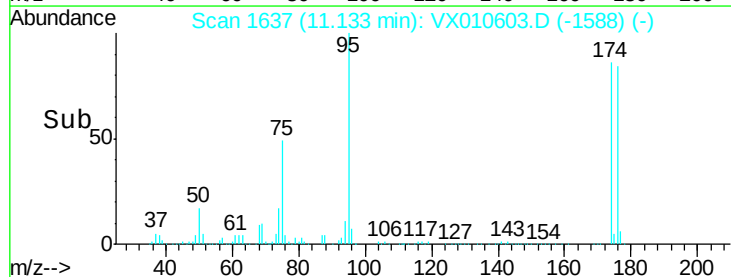
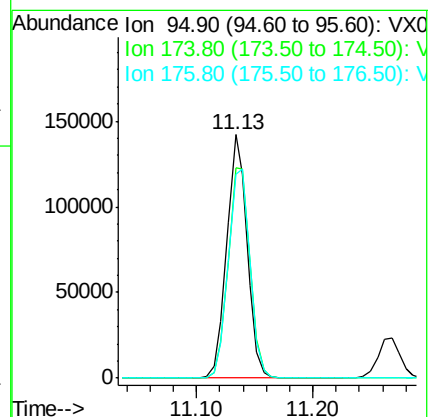
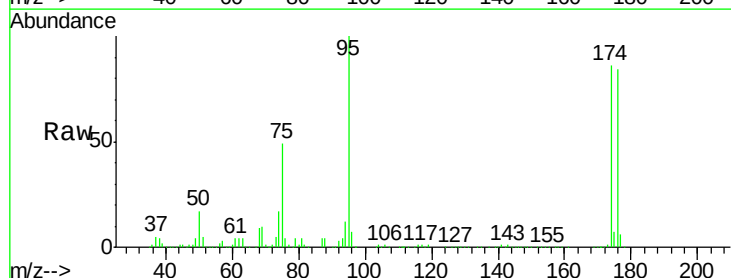
Manual Integrations
 APPROVED

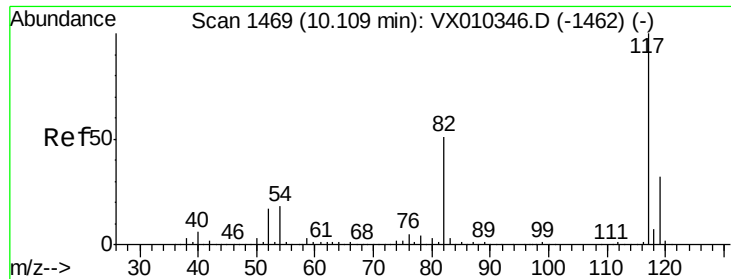
MMDadoda
 7/2/2019 9:55:35 AM



#62
 4-Bromofluorobenzene
 Concen: 57.220 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX010603.D
 Acq: 01 Jul 2019 20:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.8	0.0	187.6
176	92.0	0.0	184.0





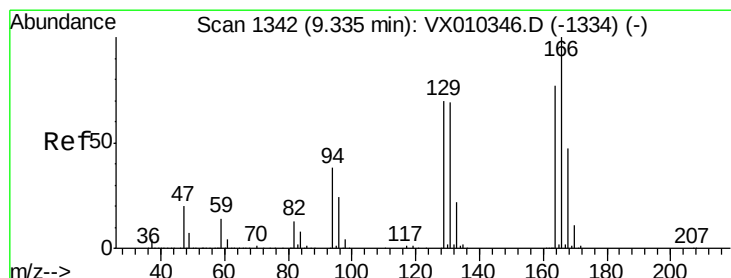
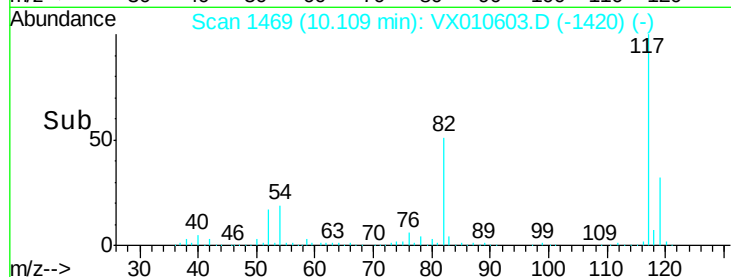
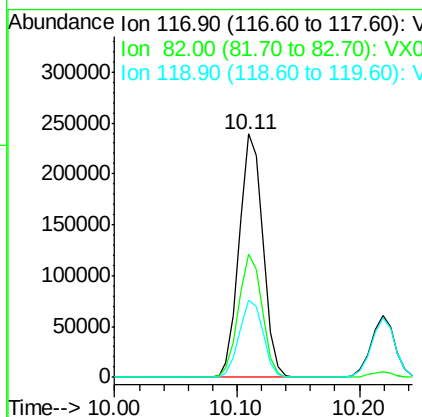
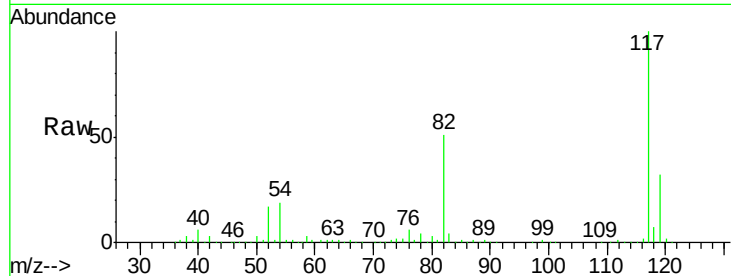
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.6	41.2	61.8
119	31.7	25.5	38.3

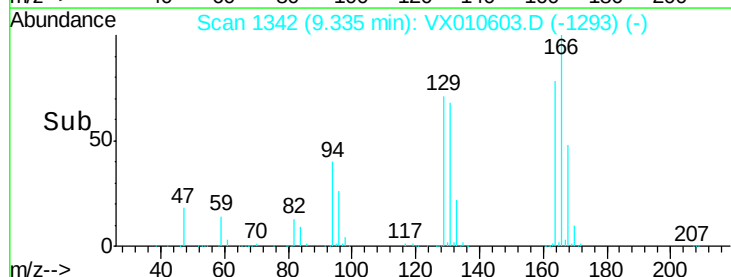
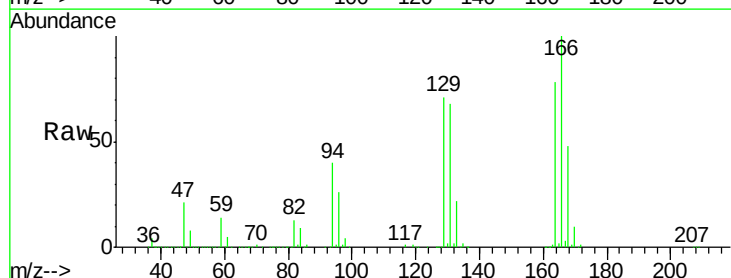
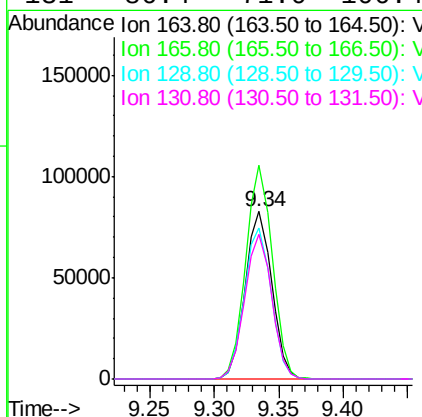
Manual Integrations
APPROVED

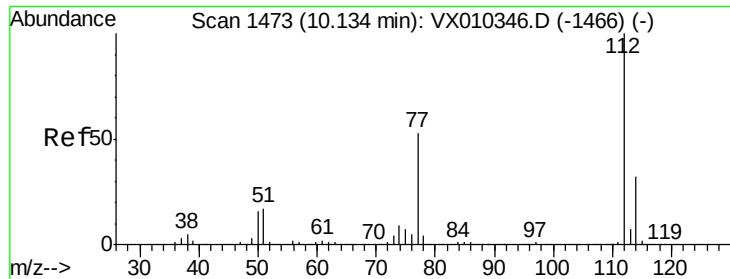
MMDadoda
7/2/2019 9:55:35 AM



#64
Tetrachloroethene
Concen: 45.517 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	103.6	155.4
129	89.9	73.0	109.4
131	86.4	71.0	106.4





#65

Chlorobenzene

Concen: 48.681 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX010603.D

Acq: 01 Jul 2019 20:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 316071

Ion Ratio Lower Upper

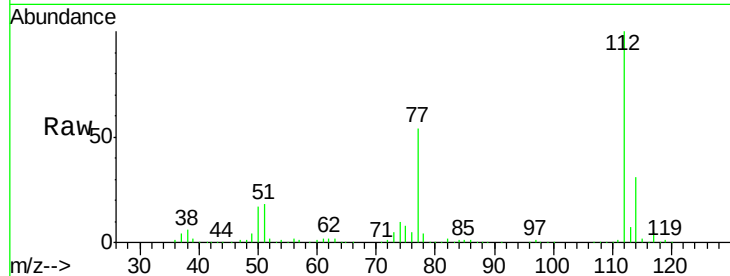
112 100

114 31.4 25.4 38.2

Manual Integrations
APPROVED

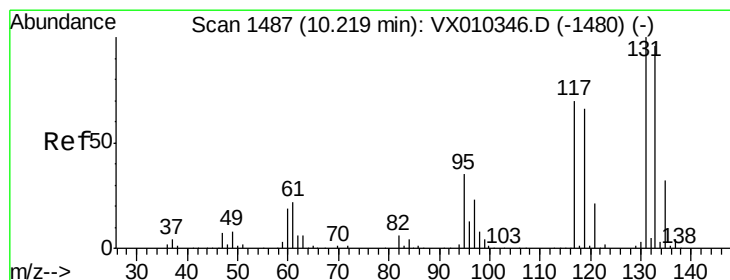
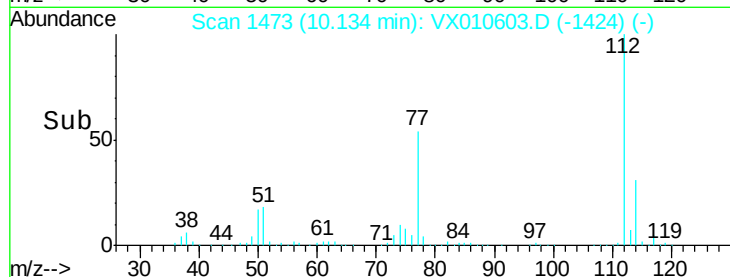
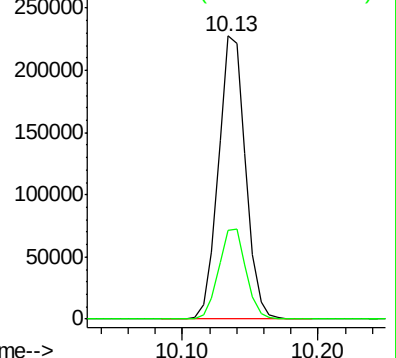
MMDadoda

7/2/2019 9:55:35 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.677 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX010603.D

Acq: 01 Jul 2019 20:01

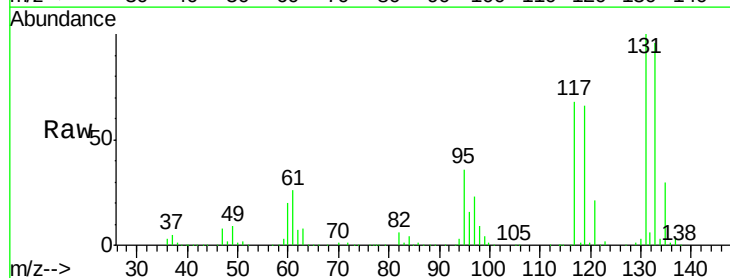
Tgt Ion:131 Resp: 119849

Ion Ratio Lower Upper

131 100

133 95.8 47.7 143.1

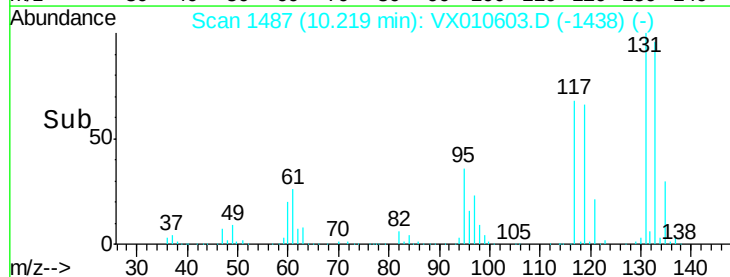
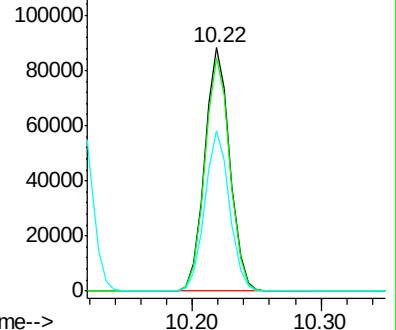
119 65.0 32.6 97.7

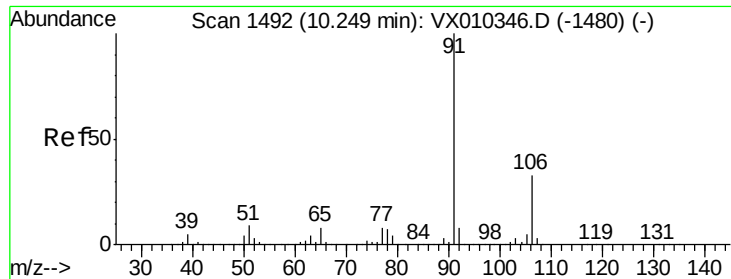


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





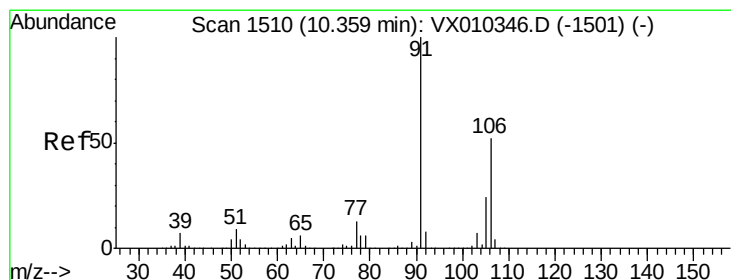
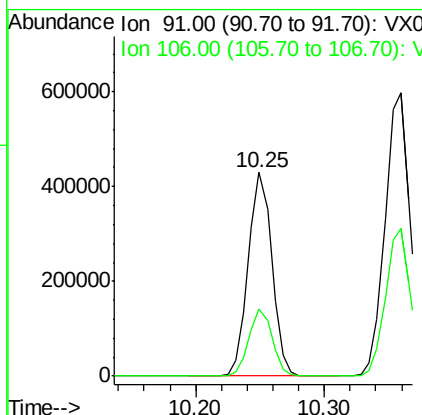
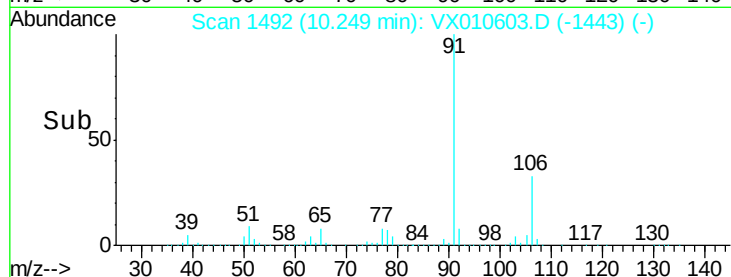
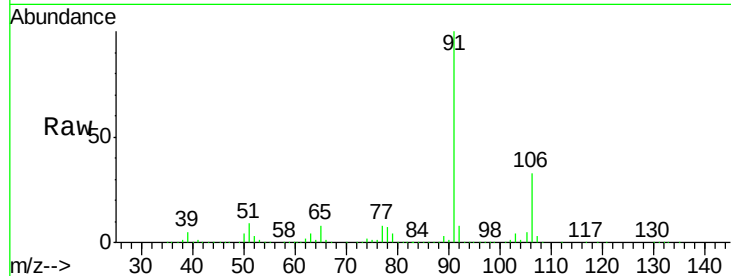
#67
Ethyl Benzene
Concen: 49.522 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 542806
Ion Ratio Lower Upper
91 100
106 32.8 26.2 39.2

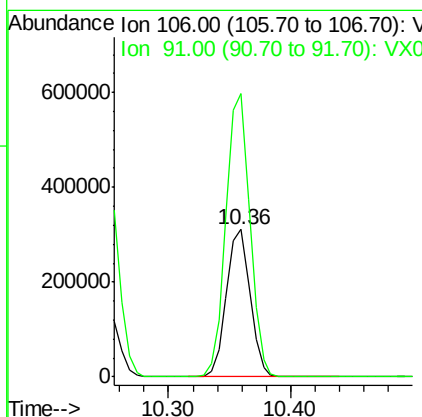
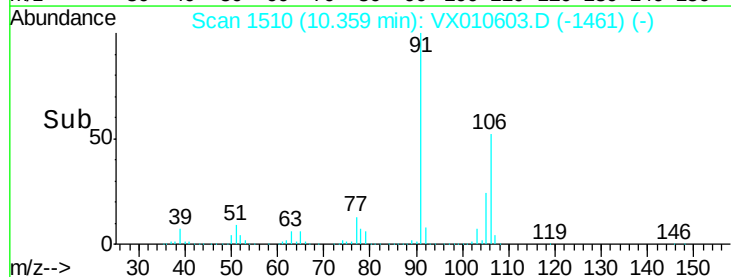
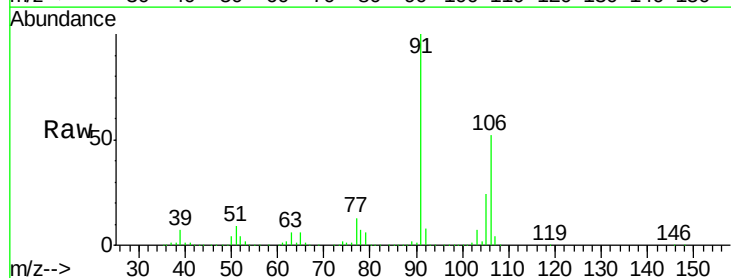
Manual Integrations
APPROVED

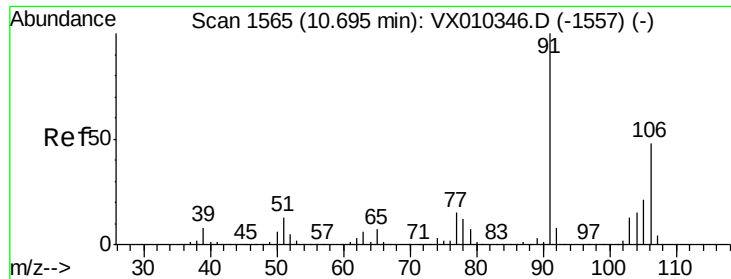
MMDadoda
7/2/2019 9:55:35 AM



#68
m/p-Xylenes
Concen: 98.195 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Tgt Ion: 106 Resp: 417043
Ion Ratio Lower Upper
106 100
91 194.3 155.3 232.9





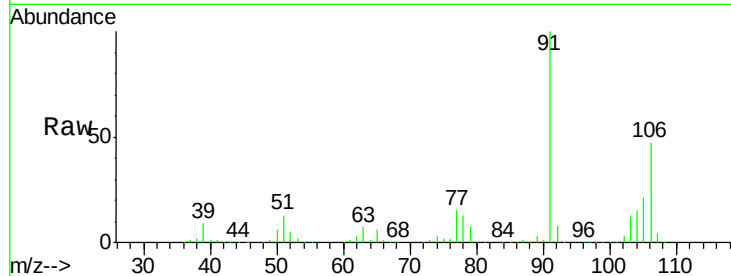
#69
o-Xylene
Concen: 49.088 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

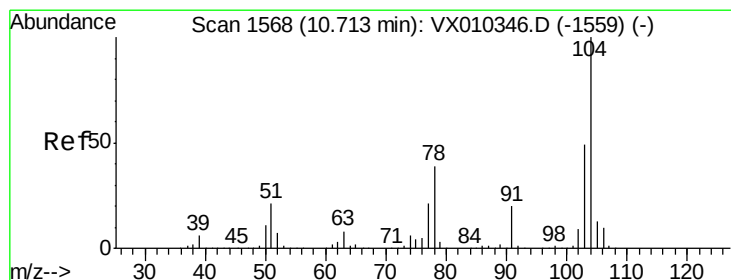
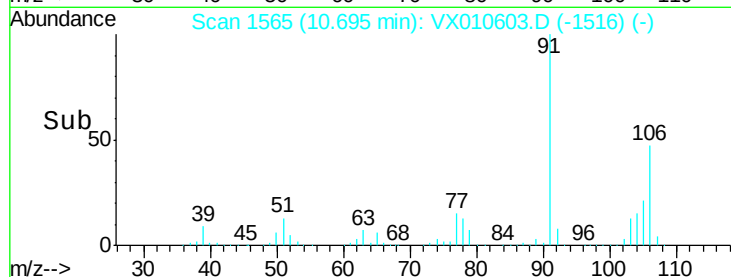
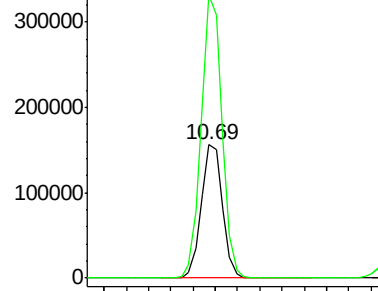
Tot Ion:106 Resp: 205021
Ion Ratio Lower Upper
106 100
91 207.8 102.7 308.1

Manual Integrations
APPROVED

MMDadoda
7/2/2019 9:55:35 AM

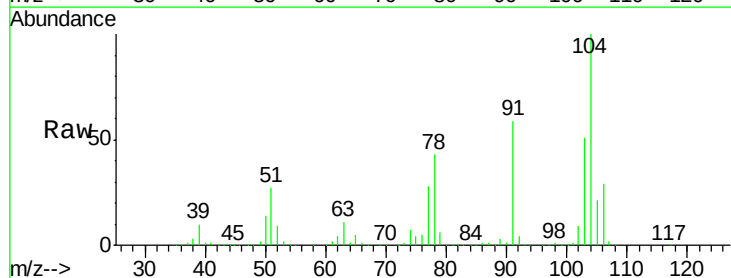


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

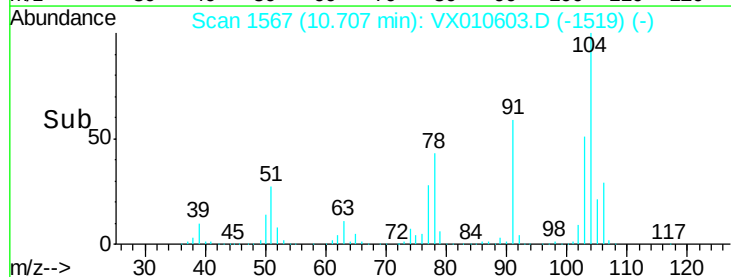
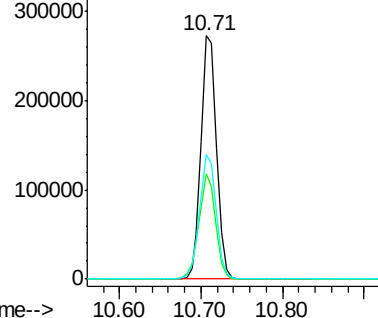


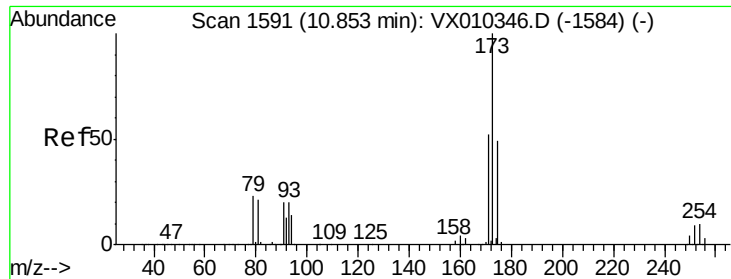
#70
Styrene
Concen: 50.920 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Tgt Ion:104 Resp: 356666
Ion Ratio Lower Upper
104 100
78 46.3 36.2 54.2
103 54.7 44.2 66.4



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





#71

Bromoform

Concen: 48.519 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010603.D

Acq: 01 Jul 2019 20:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 99786

Ion Ratio Lower Upper

173 100

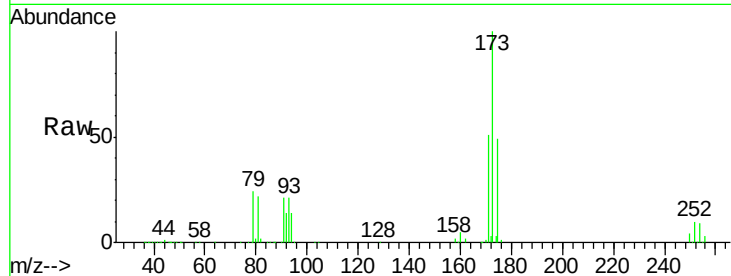
175 49.2 24.1 72.3

254 0.2 0.2 0.2

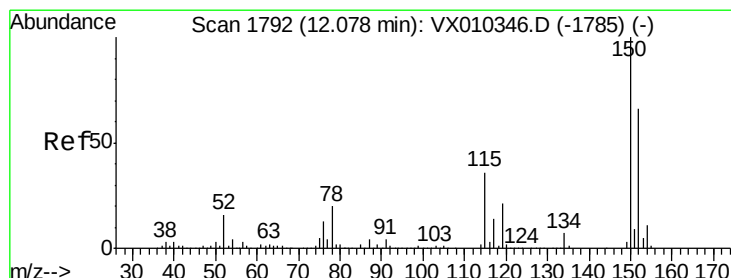
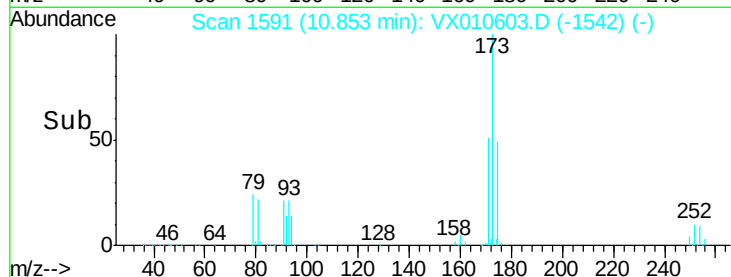
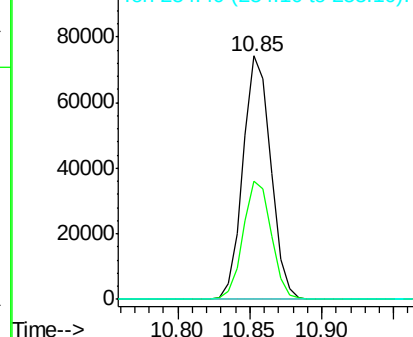
Manual Integrations
APPROVED

MMDadoda

7/2/2019 9:55:35 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: VX010603.D

Acq: 01 Jul 2019 20:01

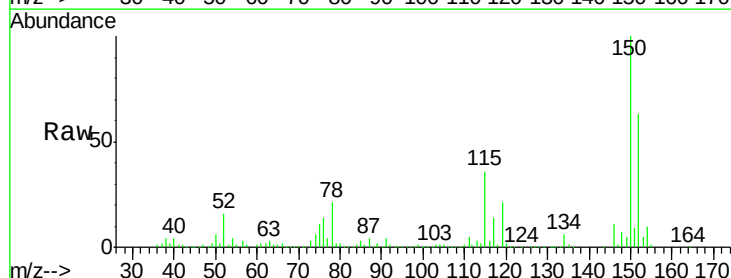
Tgt Ion:152 Resp: 164326

Ion Ratio Lower Upper

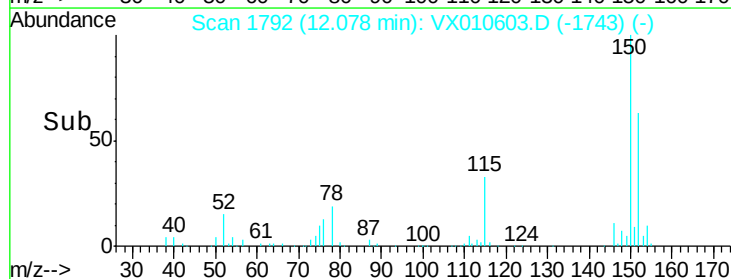
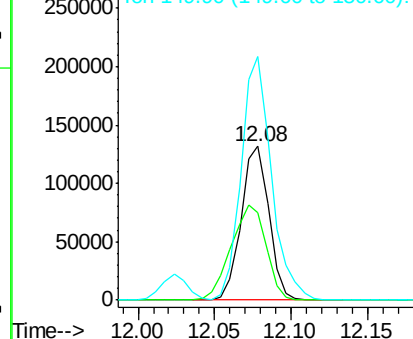
152 100

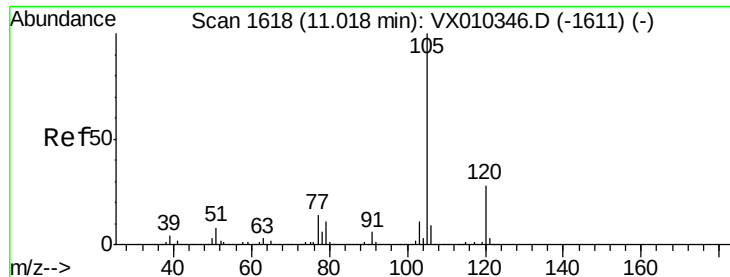
115 77.8 38.6 115.7

150 173.4 0.0 347.4



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





#73

Isopropylbenzene

Concen: 49.160 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010603.D

Acq: 01 Jul 2019 20:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 547607

Ion Ratio Lower Upper

105 100

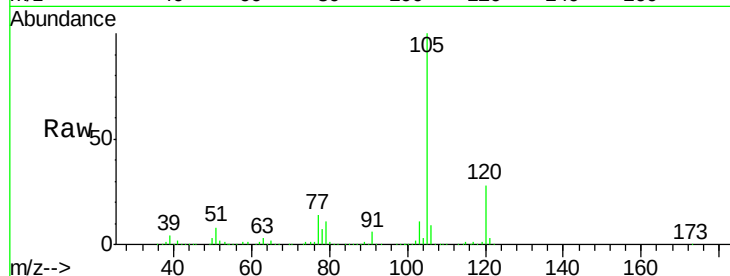
120 27.9 14.1 42.4

Manual Integrations

APPROVED

MMDadoda

7/2/2019 9:55:35 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

200000

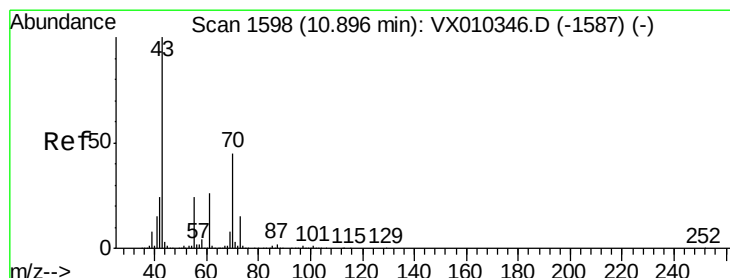
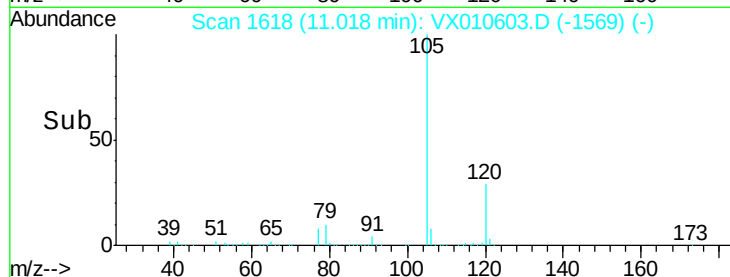
100000

0

11.02

11.00

Time-->



#74

N-ethyl acetate

Concen: 51.507 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010603.D

Acq: 01 Jul 2019 20:01

Tgt Ion: 43 Resp: 216832

Ion Ratio Lower Upper

43 100

70 45.0 36.6 54.8

55 23.5 18.7 28.1

61 25.3 20.6 31.0

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

250000

200000

150000

100000

50000

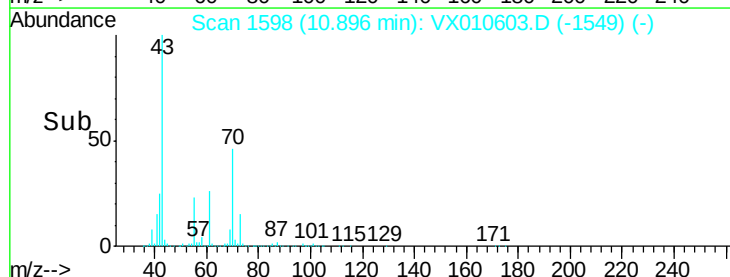
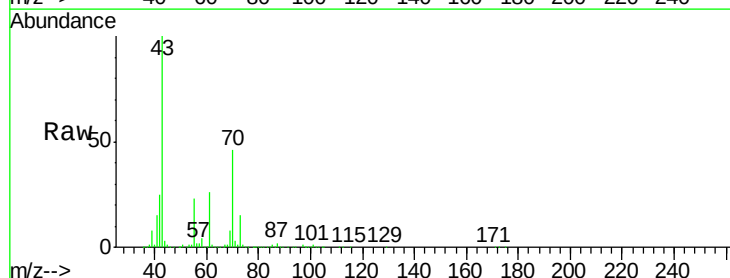
0

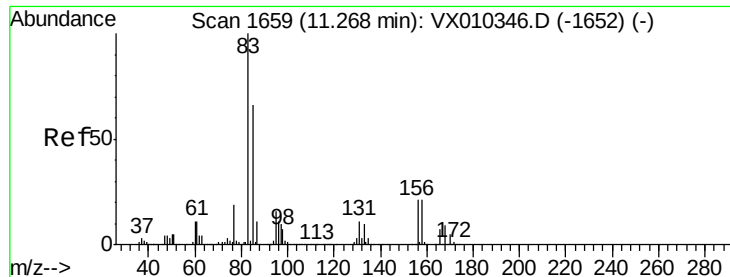
10.90

10.80

11.00

Time-->





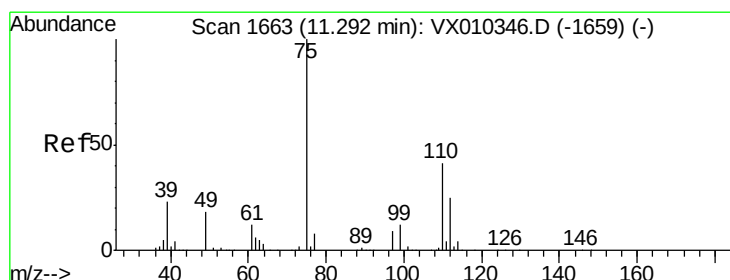
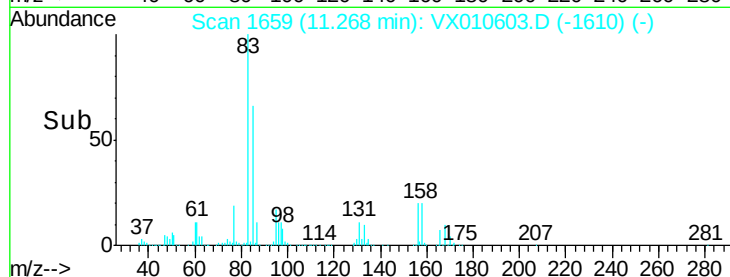
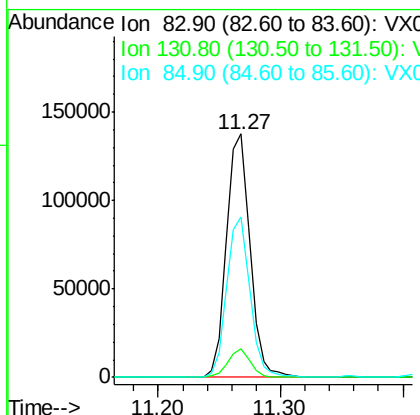
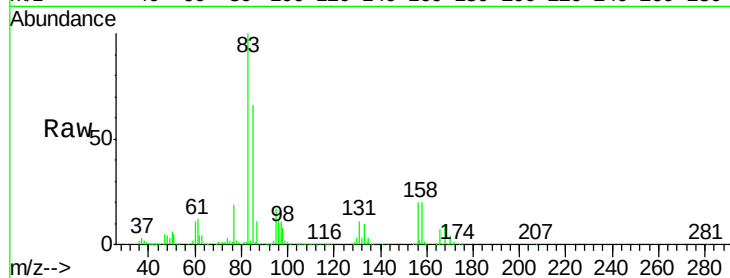
#75
 1,1,2,2-Tetrachloroethane
 Concen: 49.660 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX010603.D
 Acq: 01 Jul 2019 20:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	183199		
131	11.0	5.5	16.4	
85	65.2	32.3	96.8	

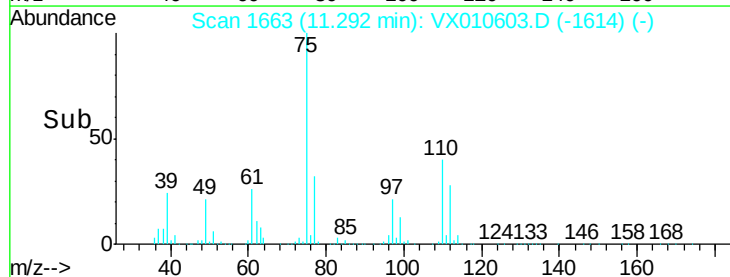
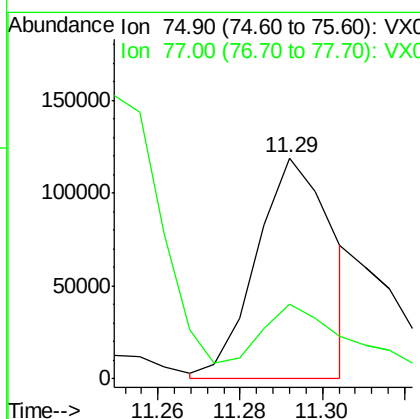
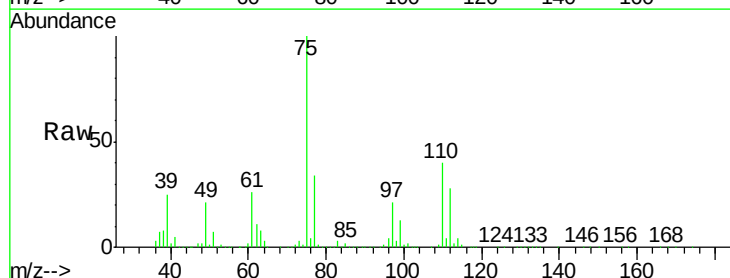
Manual Integrations
 APPROVED

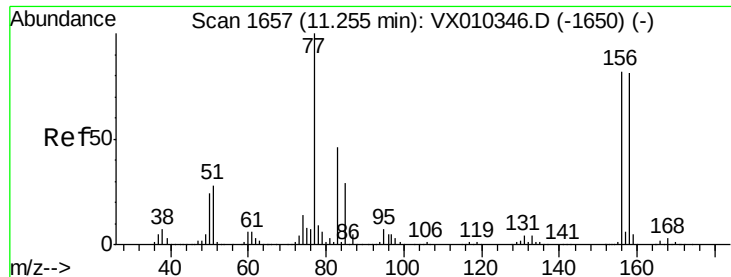
MMDadoda
 7/2/2019 9:55:35 AM



#76
 1,2,3-Trichloropropane
 Concen: 50.794 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX010603.D
 Acq: 01 Jul 2019 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	152100		
77	42.8	22.6	67.8	





#77

Bromobenzene

Concen: 48.517 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010603.D

Acq: 01 Jul 2019 20:01

Instrument :

MSVOA_X

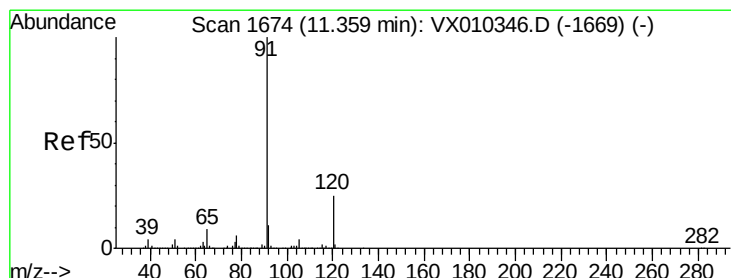
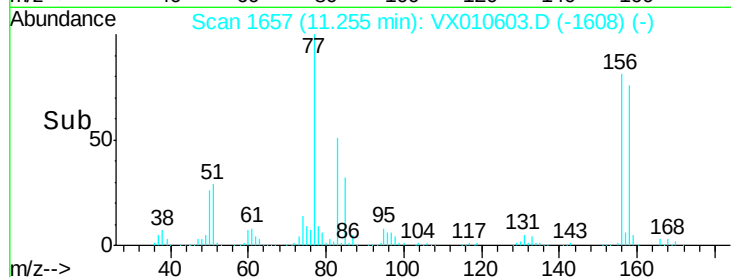
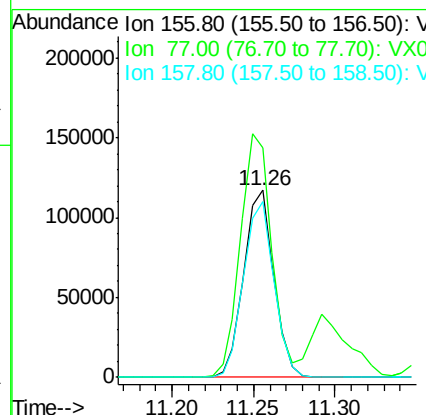
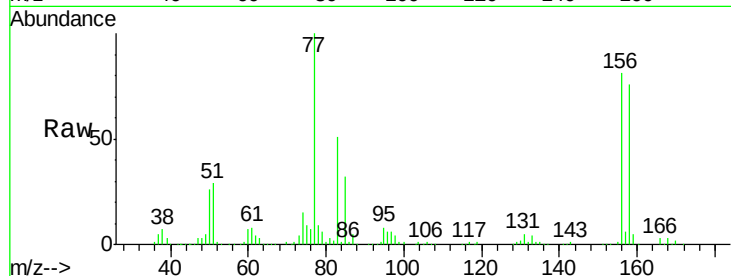
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	150909
Ion	Ratio	Lower	Upper
156	100		
77	134.5	66.3	198.7
158	95.7	48.9	146.7

Manual Integrations
APPROVED

MMDadoda
7/2/2019 9:55:35 AM



#78

n-propylbenzene

Concen: 50.232 ug/l

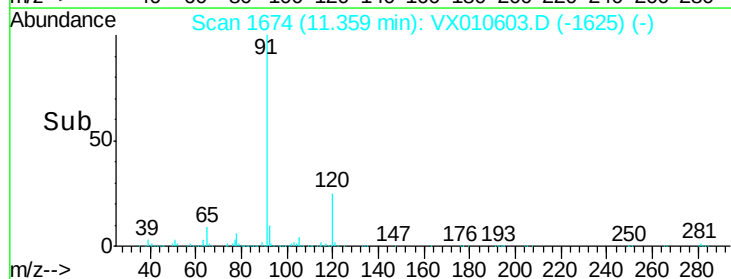
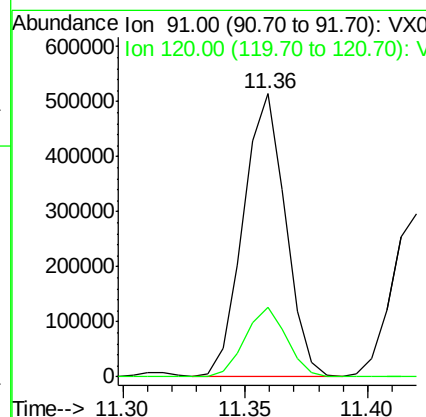
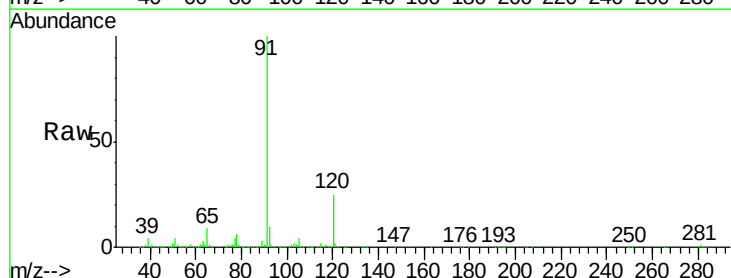
RT: 11.36 min Scan# 1674

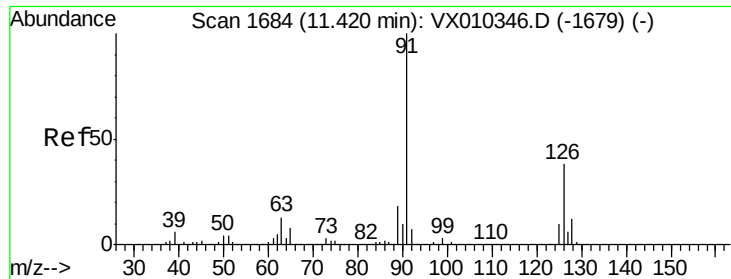
Delta R.T. -0.00 min

Lab File: VX010603.D

Acq: 01 Jul 2019 20:01

Tgt Ion:	91	Resp:	614966
Ion	Ratio	Lower	Upper
91	100		
120	24.3	12.4	37.4





#79

2-Chlorotoluene

Concen: 49.445 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010603.D

Acq: 01 Jul 2019 20:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 360457

Ion Ratio Lower Upper

91 100

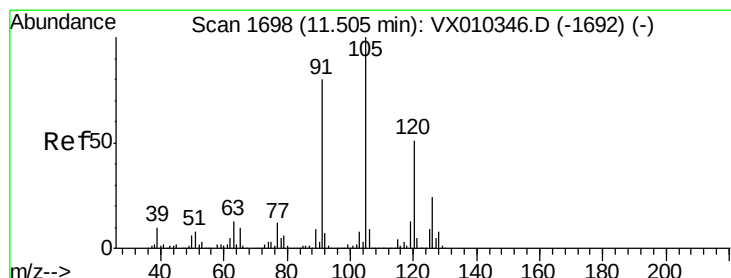
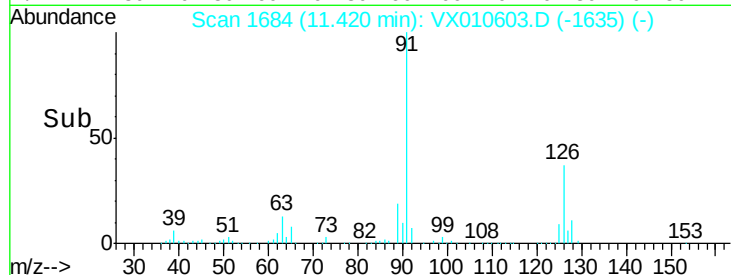
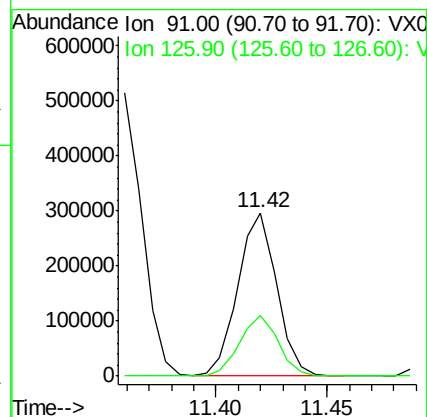
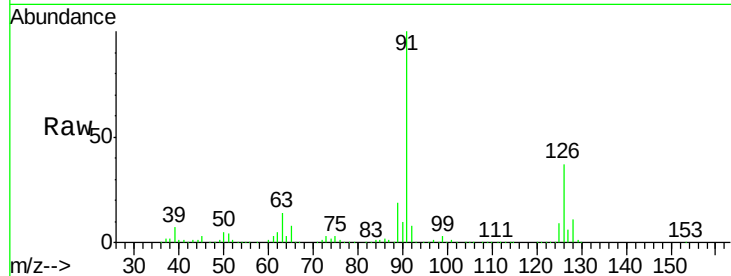
126 37.2 18.7 56.1

Manual Integrations

APPROVED

MMDadoda

7/2/2019 9:55:35 AM



#80

1,3,5-Trimethylbenzene

Concen: 49.913 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010603.D

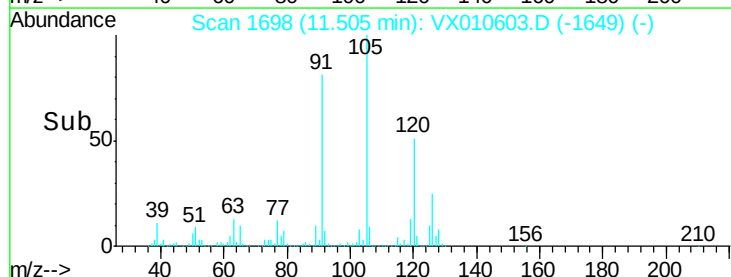
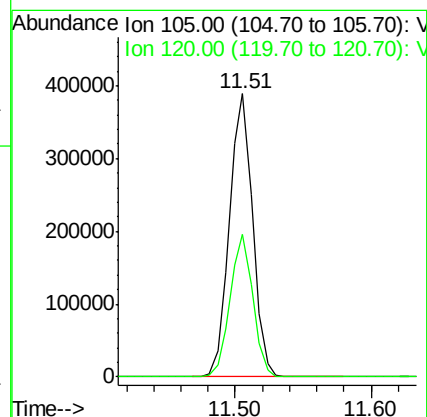
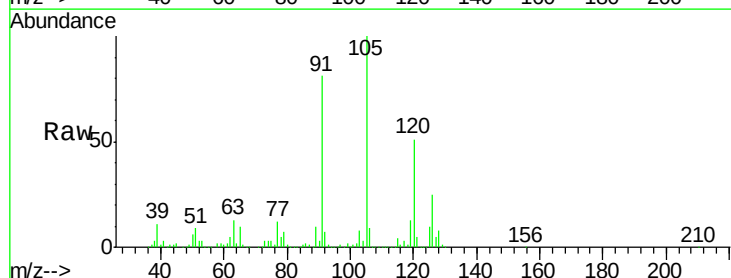
Acq: 01 Jul 2019 20:01

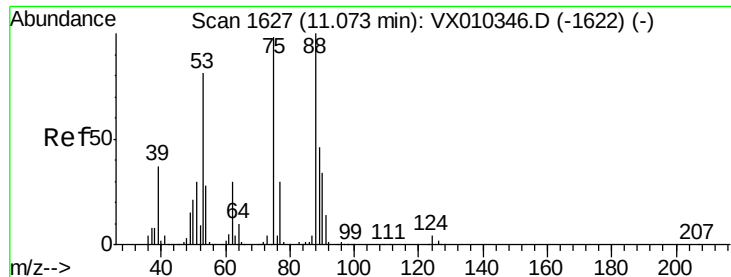
Tgt Ion: 105 Resp: 458354

Ion Ratio Lower Upper

105 100

120 49.5 25.2 75.6





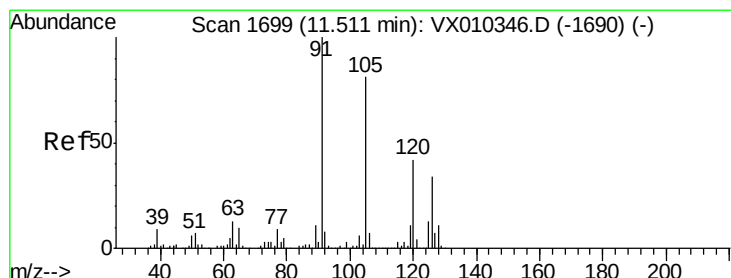
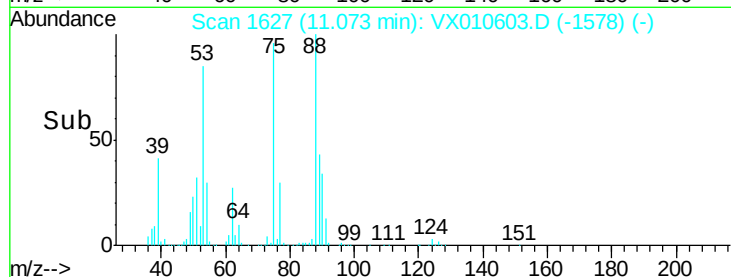
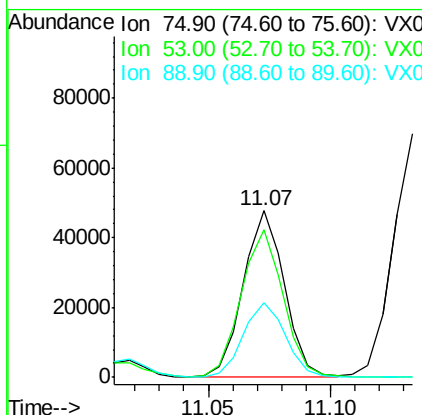
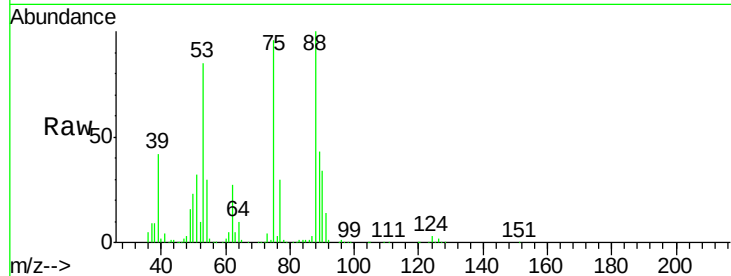
#81
trans-1,4-Dichloro-2-butene
Concen: 43.418 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.8	66.1	99.1
89	46.3	37.8	56.6

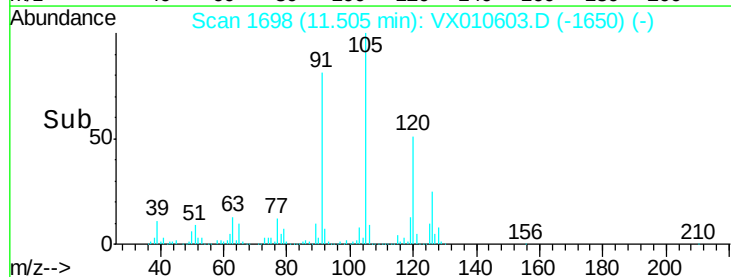
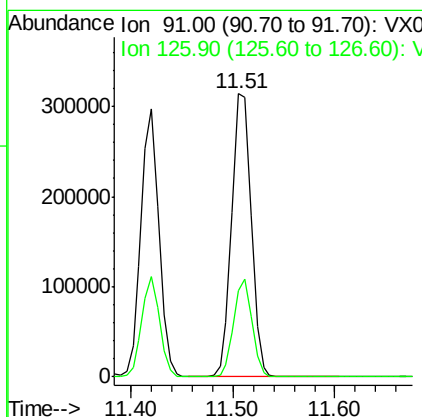
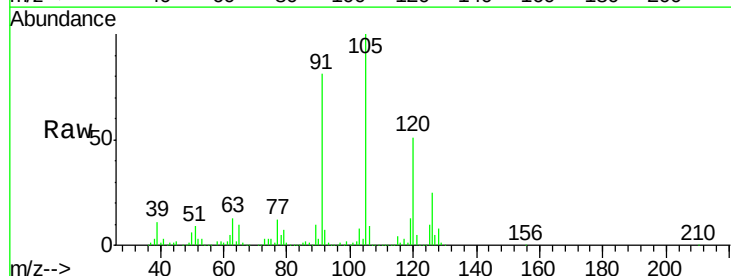
Manual Integrations
APPROVED

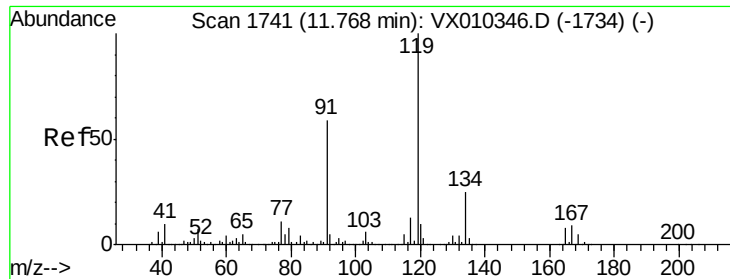
MMDadoda
7/2/2019 9:55:35 AM



#82
4-Chlorotoluene
Concen: 50.005 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.2	48.6





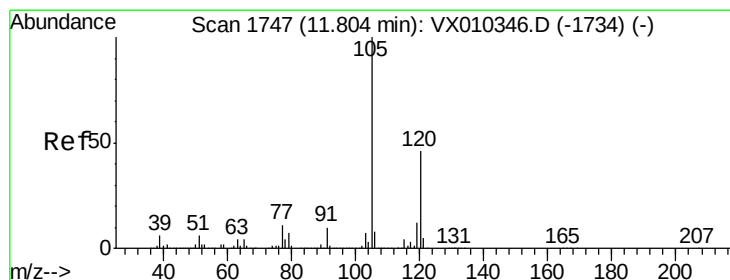
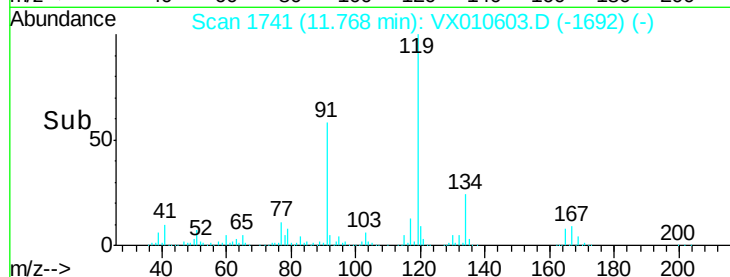
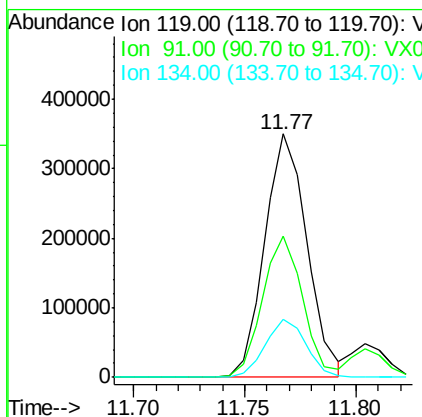
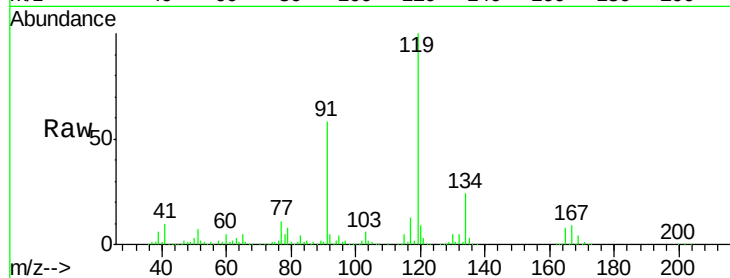
#83
 tert-Butylbenzene
 Concen: 49.979 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX010603.D
 Acq: 01 Jul 2019 20:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.7	27.6	82.7
134	23.3	11.8	35.4

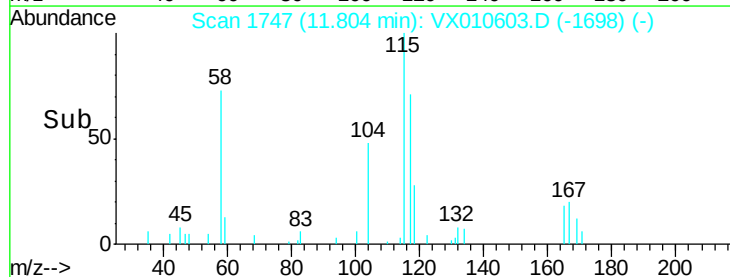
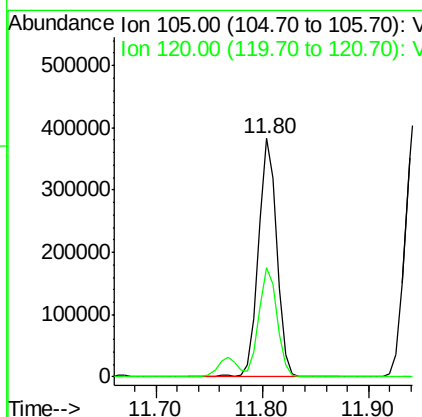
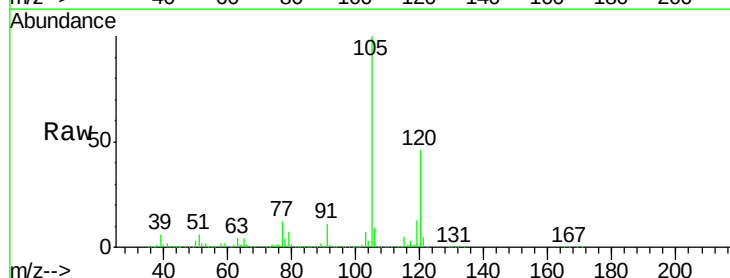
Manual Integrations
 APPROVED

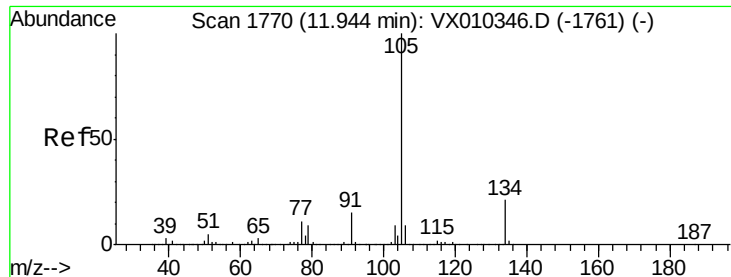
MMDadoda
 7/2/2019 9:55:35 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.111 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010603.D
 Acq: 01 Jul 2019 20:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	23.1	69.2





#85

sec-Butylbenzene

Concen: 49.513 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010603.D

Acq: 01 Jul 2019 20:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 535819

Ion Ratio Lower Upper

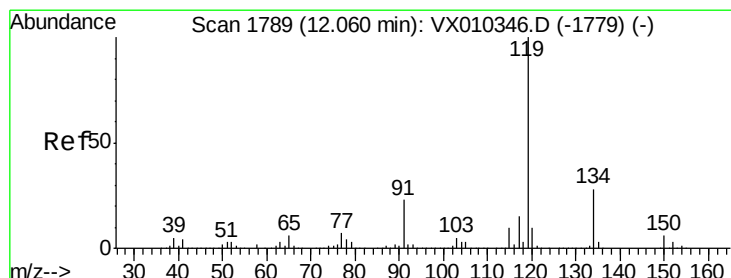
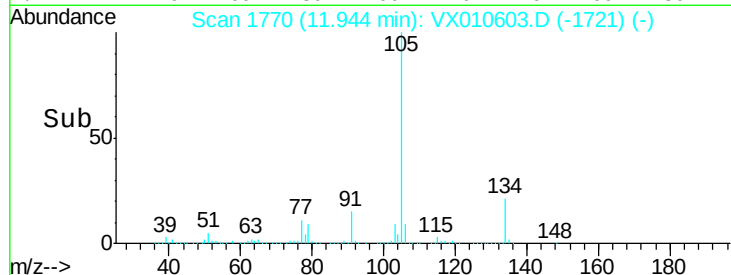
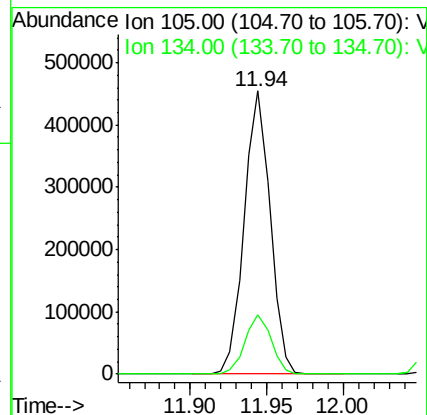
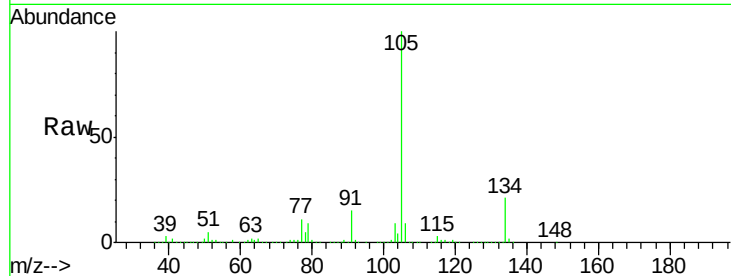
105 100

134 21.2 10.7 31.9

Manual Integrations
APPROVED

MMDadoda

7/2/2019 9:55:35 AM



#86

p-Isopropyltoluene

Concen: 49.001 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010603.D

Acq: 01 Jul 2019 20:01

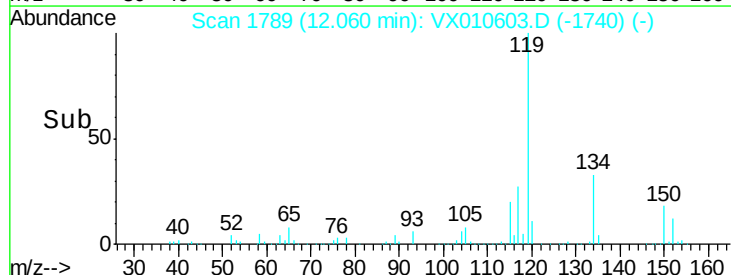
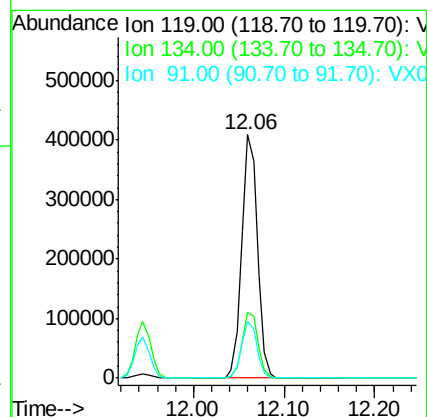
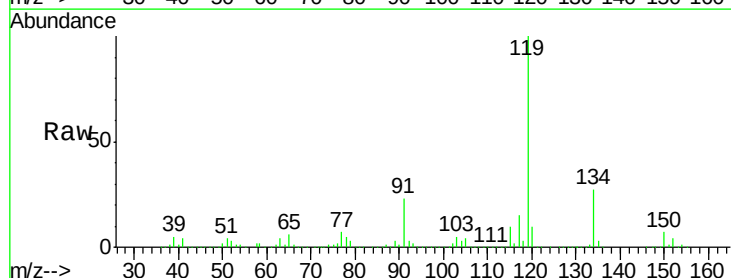
Tgt Ion:119 Resp: 490497

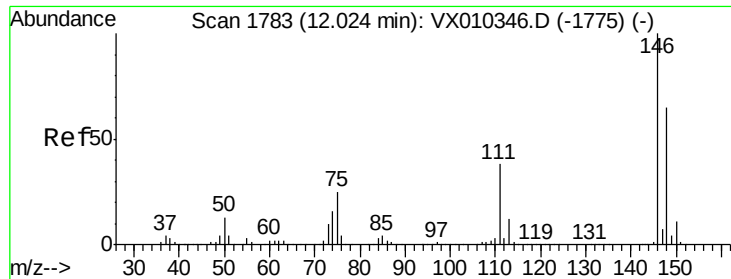
Ion Ratio Lower Upper

119 100

134 27.3 13.7 41.1

91 23.0 11.3 33.8





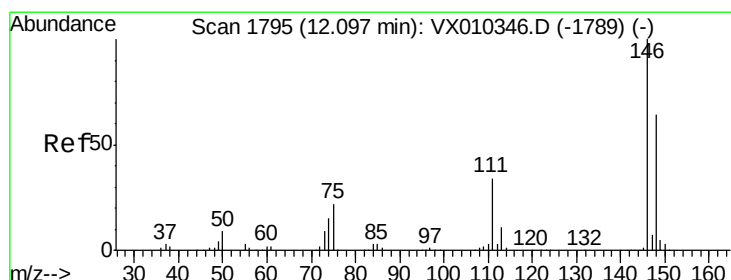
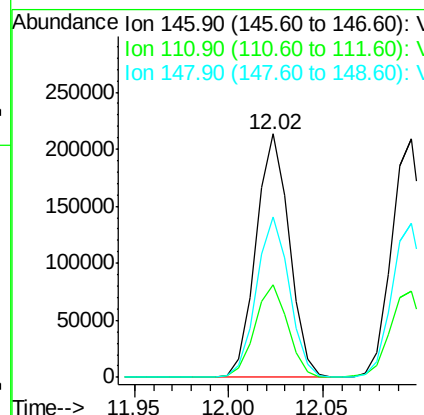
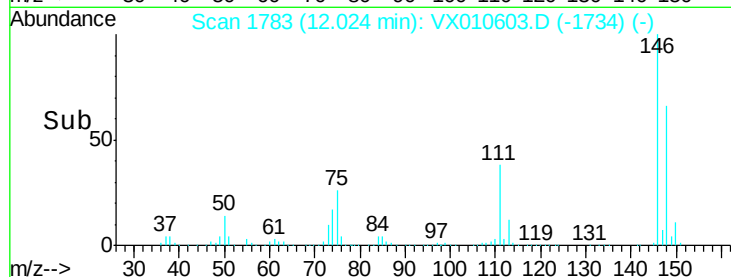
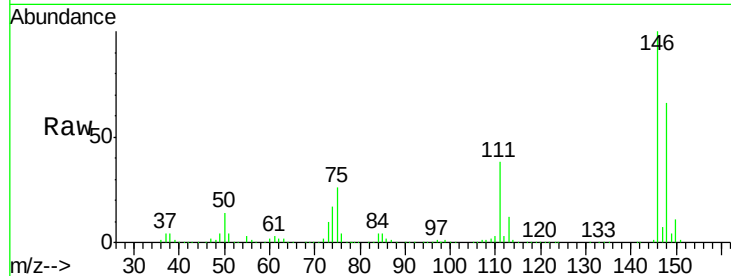
#87
 1,3-Dichlorobenzene
 Concen: 48.065 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010603.D
 Acq: 01 Jul 2019 20:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.1	57.1
148	65.3	32.5	97.4

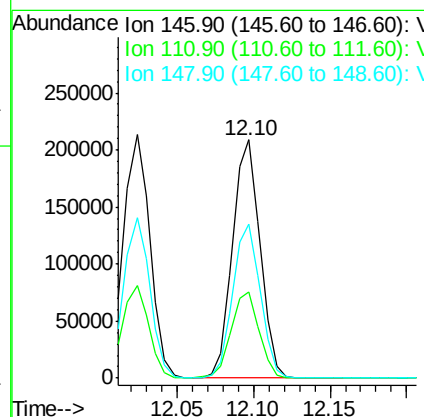
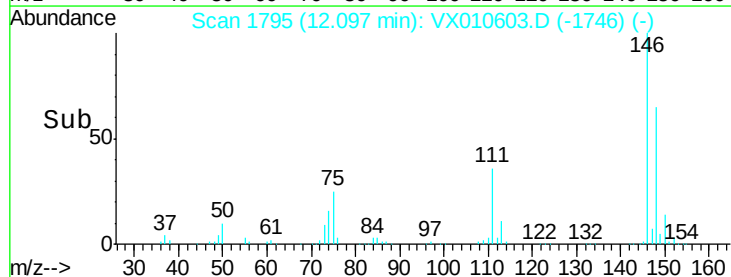
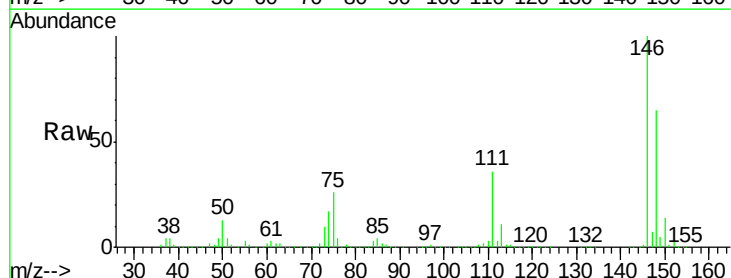
Manual Integrations
 APPROVED

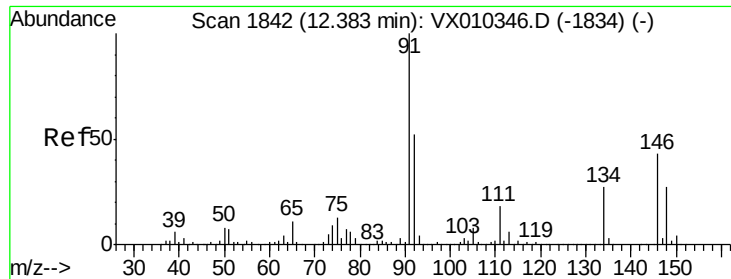
MMDadoda
 7/2/2019 9:55:35 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.080 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010603.D
 Acq: 01 Jul 2019 20:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.1	54.3
148	65.0	32.1	96.3





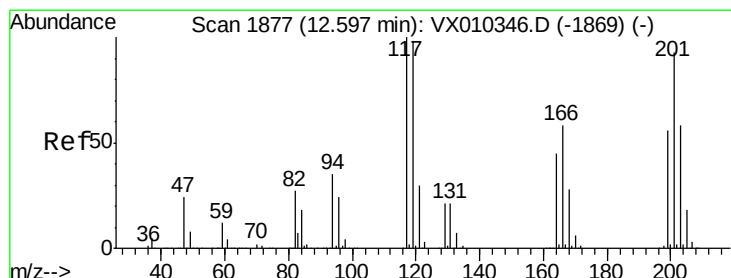
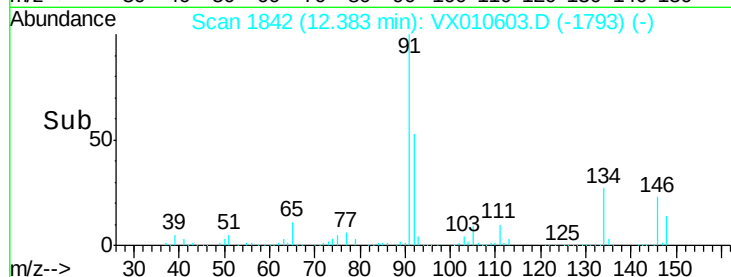
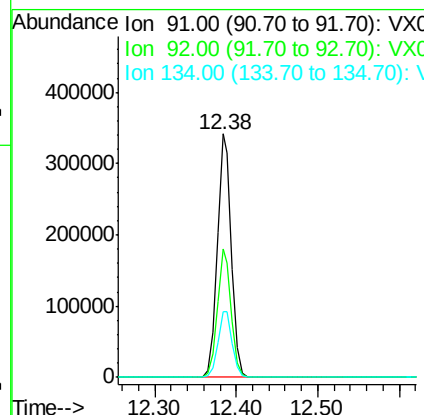
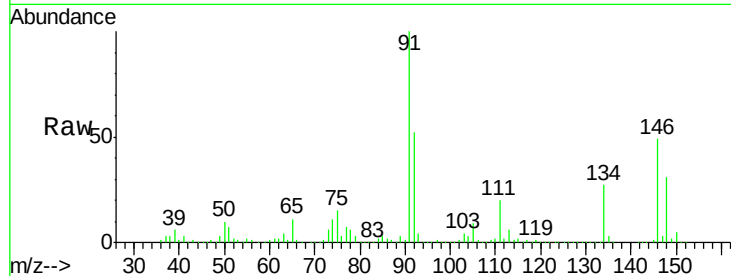
#89
n-Butylbenzene
Concen: 48.974 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.2	78.5
134	27.7	14.1	42.4

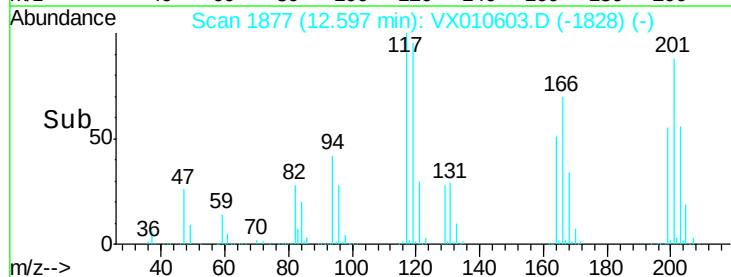
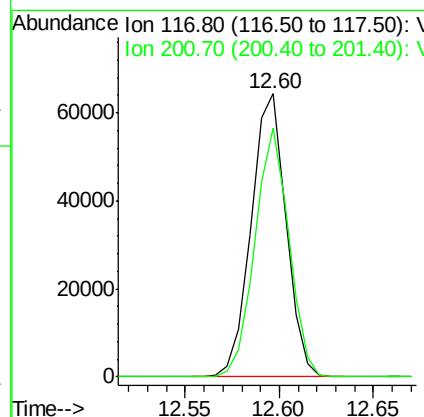
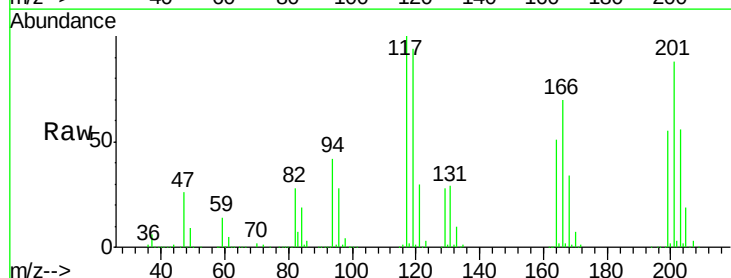
Manual Integrations
APPROVED

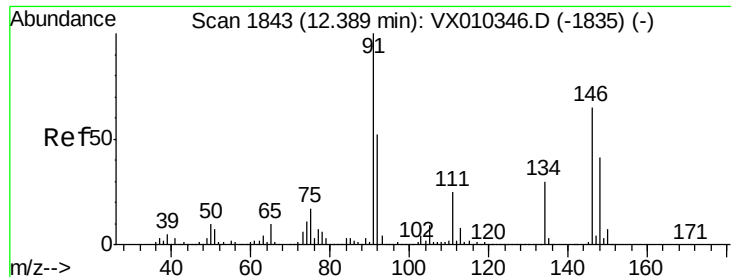
MMDadoda
7/2/2019 9:55:35 AM



#90
Hexachloroethane
Concen: 47.647 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX010603.D
Acq: 01 Jul 2019 20:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.5	44.0	131.8





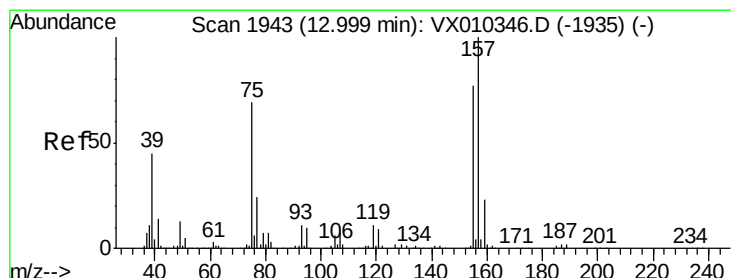
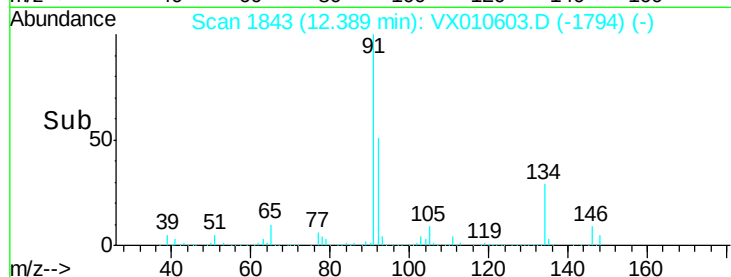
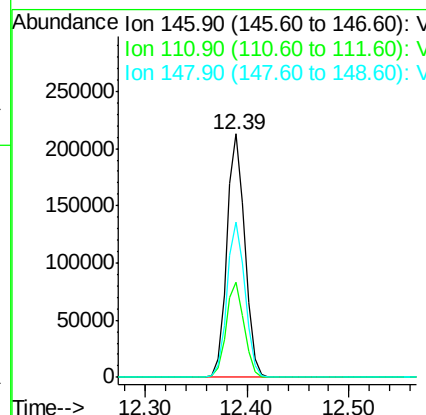
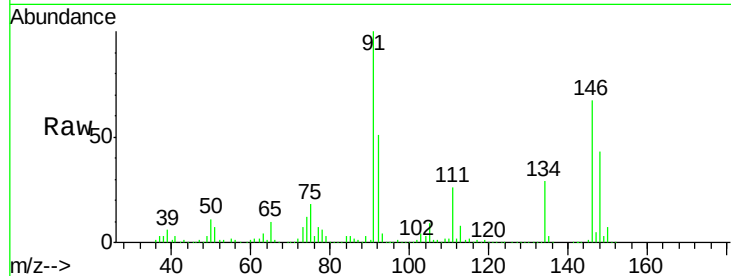
#91
 1,2-Dichlorobenzene
 Concen: 48.222 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010603.D
 Acq: 01 Jul 2019 20:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	260211		
111	39.0	19.2	57.6	
148	64.1	32.0	96.0	

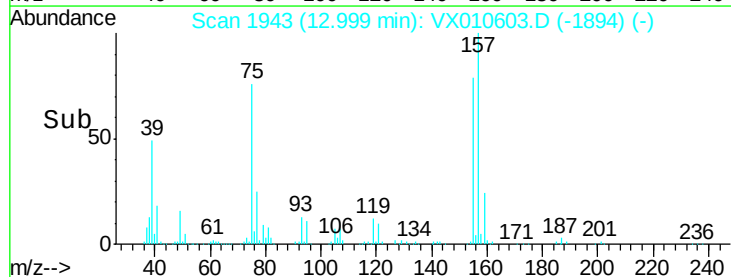
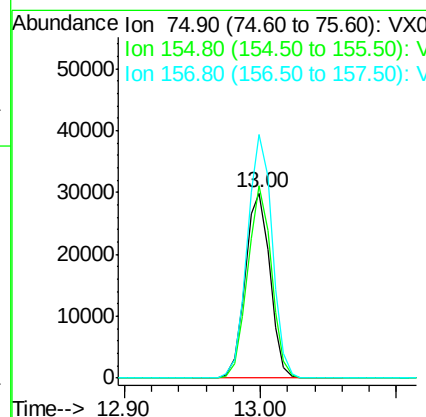
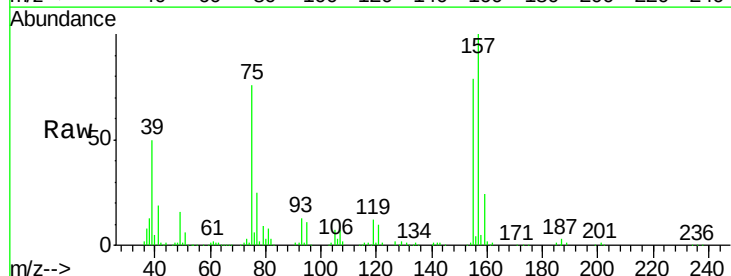
Manual Integrations
 APPROVED

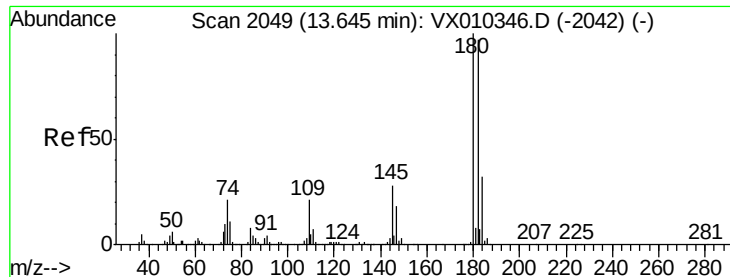
MMDadoda
 7/2/2019 9:55:35 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.819 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX010603.D
 Acq: 01 Jul 2019 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	38034		
155	100.5	54.4	163.1	
157	132.3	69.5	208.3	





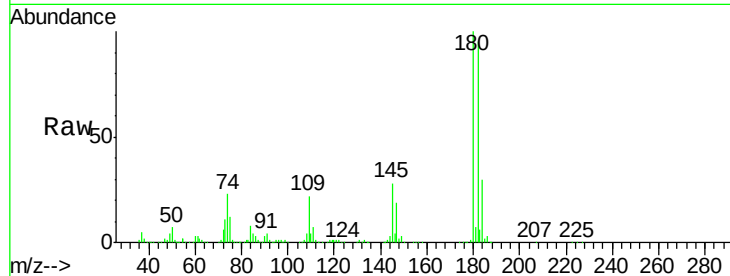
#93
 1,2,4-Trichlorobenzene
 Concen: 48.518 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010603.D
 Acq: 01 Jul 2019 20:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

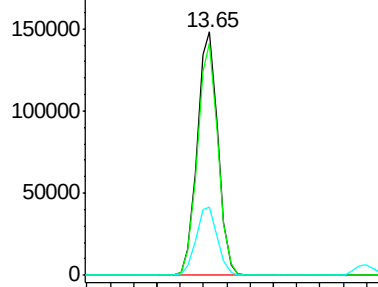
Tot Ion	Ratio	Resp	Lower	Upper
180	100	181562		
182	94.5	48.0	144.0	
145	29.0	14.4	43.4	

Manual Integrations
 APPROVED

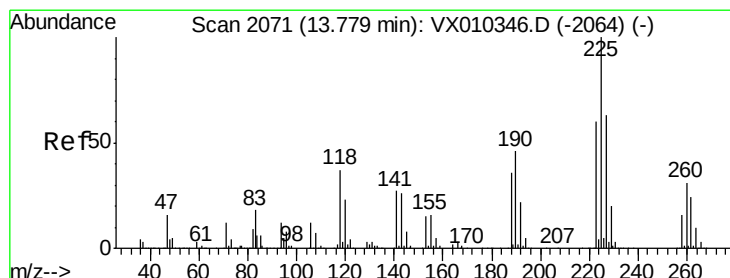
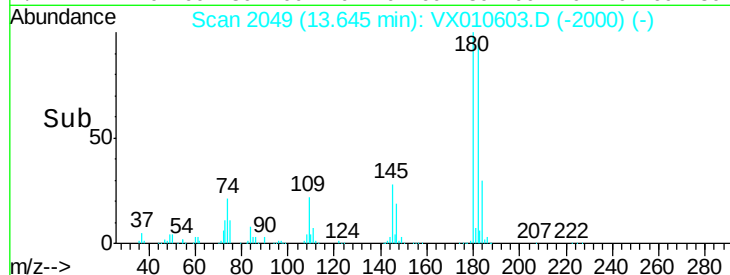
MMDadoda
 7/2/2019 9:55:35 AM



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

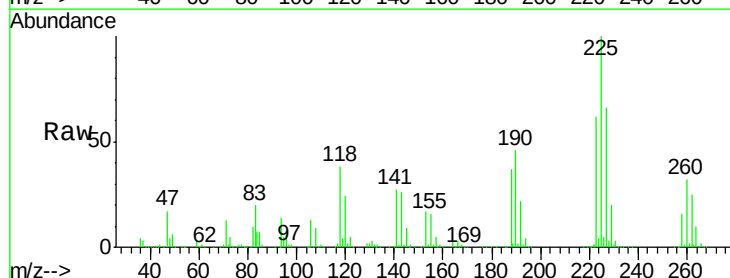


Time-->

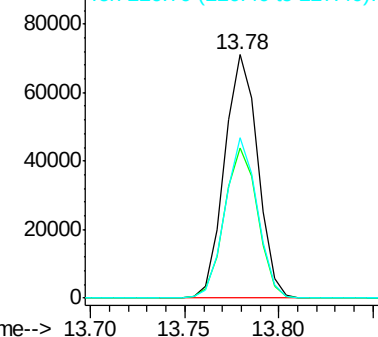


#94
 Hexachlorobutadiene
 Concen: 47.468 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX010603.D
 Acq: 01 Jul 2019 20:01

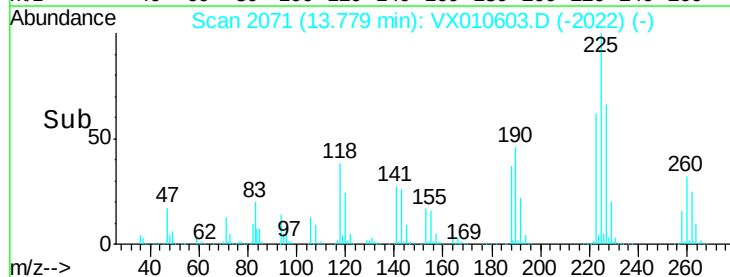
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	86815		
223	61.9	30.9	92.7	
227	63.8	31.9	95.5	

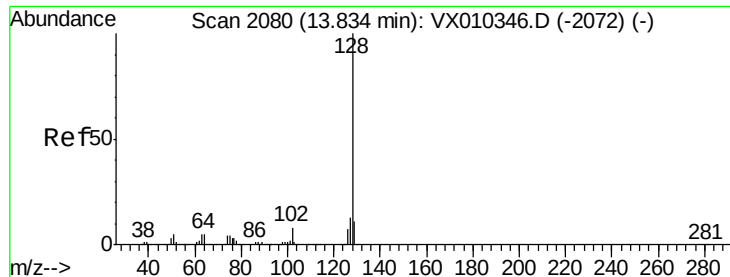


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





#95

Naphthalene

Concen: 48.910 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX010603.D

Acq: 01 Jul 2019 20:01

Instrument :

MSVOA_X

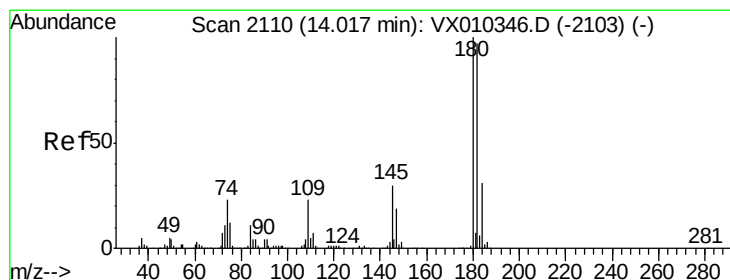
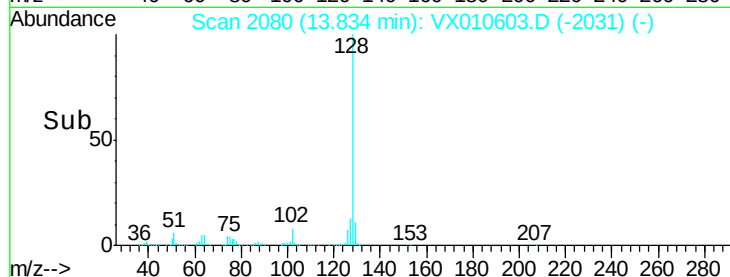
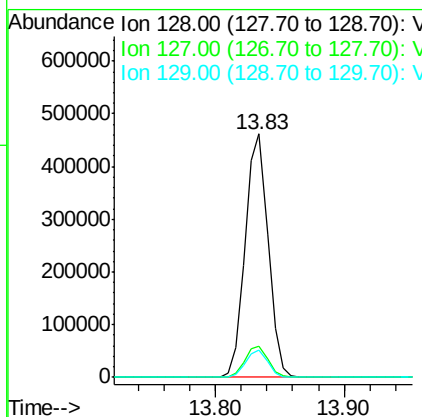
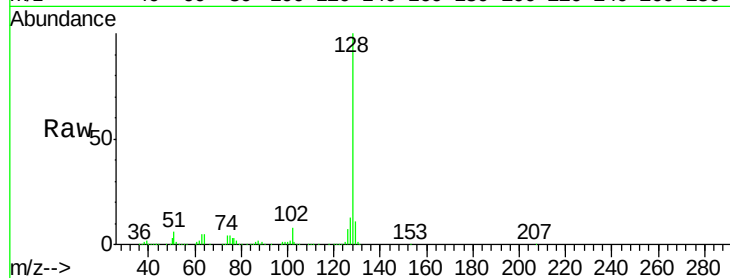
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	562459
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/2/2019 9:55:35 AM



#96

1,2,3-Trichlorobenzene

Concen: 49.231 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010603.D

Acq: 01 Jul 2019 20:01

Tgt Ion:	180	Resp:	183171
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.8	143.3
145	31.2	15.2	45.6

