

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX073120\
 Data File : VX017713.D
 Acq On : 31 Jul 2020 19:40
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/3/2020 5:02:32 PM

Quant Time: Aug 01 04:23:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 24 05:48:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	534418	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	801044	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	794200	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	431218	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	359076	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
35) Dibromofluoromethane	5.47	113	288037	53.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.52%	
50) Toluene-d8	8.70	98	1025736	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	
62) 4-Bromofluorobenzene	11.12	95	422425	54.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	247664	49.950	ug/l	100
3) Chloromethane	1.31	50	289256	43.833	ug/l	97
4) Vinyl Chloride	1.39	62	288718	42.932	ug/l	99
5) Bromomethane	1.62	94	173630	47.908	ug/l	98
6) Chloroethane	1.70	64	177739	47.897	ug/l	99
7) Trichlorofluoromethane	1.91	101	487358	46.074	ug/l	99
8) Diethyl Ether	2.17	74	164634	47.952	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.36	101	255709	44.052	ug/l	97
10) Methyl Iodide	2.49	142	287932	38.773	ug/l	96
11) Tert butyl alcohol	3.03	59	332288	229.667	ug/l	99
12) 1,1-Dichloroethene	2.35	96	248027	44.933	ug/l	98
13) Acrolein	2.28	56	274807	248.798	ug/l	100
14) Allyl chloride	2.71	41	454501	45.093	ug/l	98
15) Acrylonitrile	3.12	53	765533	244.973	ug/l	100
16) Acetone	2.42	43	705303	233.431	ug/l	98
17) Carbon Disulfide	2.55	76	684910	40.822	ug/l	99
18) Methyl Acetate	2.75	43	359650	50.541	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	899216	47.065	ug/l	99
20) Methylene Chloride	2.84	84	289504	50.898	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	272257	46.040	ug/l	98
22) Diisopropyl ether	3.82	45	916149	49.711	ug/l #	87
23) Vinyl Acetate	3.79	43	4039691	245.838	ug/l	99
24) 1,1-Dichloroethane	3.67	63	512543	48.278	ug/l	99
25) 2-Butanone	4.64	43	1079743	251.554	ug/l	97
26) 2,2-Dichloropropane	4.56	77	421904	44.396	ug/l	100
27) cis-1,2-Dichloroethene	4.57	96	308929	48.098	ug/l	98
28) Bromochloromethane	4.98	49	223965	46.553	ug/l	99
29) Tetrahydrofuran	5.09	42	684724	257.536	ug/l	99
30) Chloroform	5.18	83	538719	49.662	ug/l	99
31) Cyclohexane	5.55	56	407489	48.132	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	499210	48.802	ug/l	99
36) 1,1-Dichloropropene	5.77	75	375571	48.885	ug/l	99
37) Ethyl Acetate	4.80	43	412488	49.070	ug/l	99
38) Carbon Tetrachloride	5.76	117	459516	49.253	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX073120\
 Data File : VX017713.D
 Acq On : 31 Jul 2020 19:40
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/3/2020 5:02:32 PM

Quant Time: Aug 01 04:23:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 24 05:48:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	403270	44.965	ug/l	98
40) Benzene	6.12	78	1078153	48.949	ug/l	99
41) Methacrylonitrile	5.01	41	236869	49.160	ug/l	99
42) 1,2-Dichloroethane	6.17	62	448905	49.818	ug/l	99
43) Isopropyl Acetate	6.42	43	658309	47.464	ug/l	99
44) Trichloroethene	7.19	130	318677	49.508	ug/l	98
45) 1,2-Dichloropropane	7.49	63	284968	46.670	ug/l	100
46) Dibromomethane	7.64	93	204285	47.341	ug/l	99
47) Bromodichloromethane	7.88	83	431701	49.720	ug/l	100
48) Methyl methacrylate	7.75	41	333792	48.551	ug/l	98
49) 1,4-Dioxane	7.72	88	132253	1003.358	ug/l	100
51) 4-Methyl-2-Pentanone	8.62	43	2182978	263.790	ug/l	100
52) Toluene	8.77	92	700614	49.598	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	469695	48.325	ug/l	99
54) cis-1,3-Dichloropropene	8.41	75	498765	50.310	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	300774	51.114	ug/l	97
56) Ethyl methacrylate	9.16	69	449415	50.693	ug/l	99
57) 1,3-Dichloropropane	9.35	76	487418	50.304	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	1162413	248.875	ug/l	99
59) 2-Hexanone	9.48	43	1602422	257.191	ug/l	99
60) Dibromochloromethane	9.57	129	380726	50.905	ug/l	100
61) 1,2-Dibromoethane	9.65	107	327009	52.197	ug/l	98
64) Tetrachloroethene	9.32	164	325739	45.697	ug/l	97
65) Chlorobenzene	10.12	112	793682	46.169	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	326346	47.038	ug/l	99
67) Ethyl Benzene	10.24	91	1385423	48.280	ug/l	98
68) m/p-Xylenes	10.34	106	1057991	95.172	ug/l	98
69) o-Xylene	10.68	106	513591	48.036	ug/l	99
70) Styrene	10.69	104	899893	49.469	ug/l	98
71) Bromoform	10.84	173	281638	46.855	ug/l #	99
73) Isopropylbenzene	11.01	105	1400709	47.350	ug/l	100
74) N-amyl acetate	10.88	43	597300	45.444	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	430304	46.602	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	403020m	45.435	ug/l	
77) Bromobenzene	11.24	156	375707	45.366	ug/l	98
78) n-propylbenzene	11.35	91	1599624	47.944	ug/l	99
79) 2-Chlorotoluene	11.40	91	964197	46.652	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	1191060	47.156	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.06	75	151151	42.937	ug/l	96
82) 4-Chlorotoluene	11.49	91	1143562	46.906	ug/l	99
83) tert-Butylbenzene	11.76	119	1159448	47.974	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	1208646	48.111	ug/l	99
85) sec-Butylbenzene	11.93	105	1360902	48.338	ug/l	99
86) p-Isopropyltoluene	12.05	119	1267147	47.262	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	662233	46.565	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	670354	45.507	ug/l	98
89) n-Butylbenzene	12.37	91	1091034	45.668	ug/l	100
90) Hexachloroethane	12.58	117	242329	45.845	ug/l	100
91) 1,2-Dichlorobenzene	12.38	146	631110	45.152	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	110437	42.689	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073120\
Data File : VX017713.D
Acq On : 31 Jul 2020 19:40
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

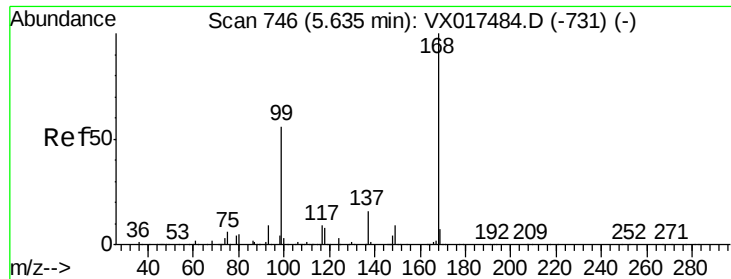
Manual Integrations
APPROVED

MMDadoda
8/3/2020 5:02:32 PM

Quant Time: Aug 01 04:23:59 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 24 05:48:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	456576	47.862	ug/l	99
94) Hexachlorobutadiene	13.77	225	195009	44.409	ug/l	99
95) Naphthalene	13.82	128	1422901	49.967	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	446328	47.385	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017713.D

Acq: 31 Jul 2020 19:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 534418

Ion Ratio Lower Upper

168 100

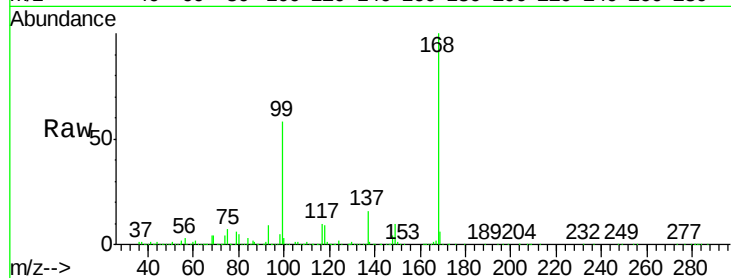
99 57.6 43.4 65.2

Manual Integrations

APPROVED

MMDadoda

8/3/2020 5:02:32 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

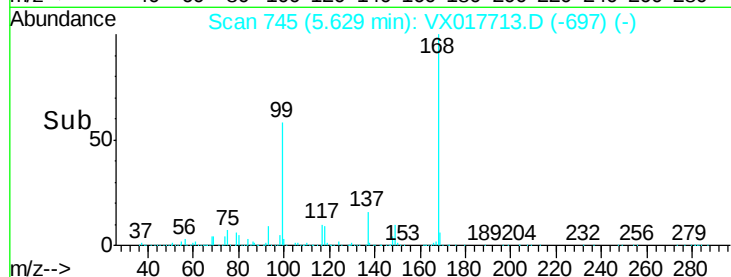
100000

50000

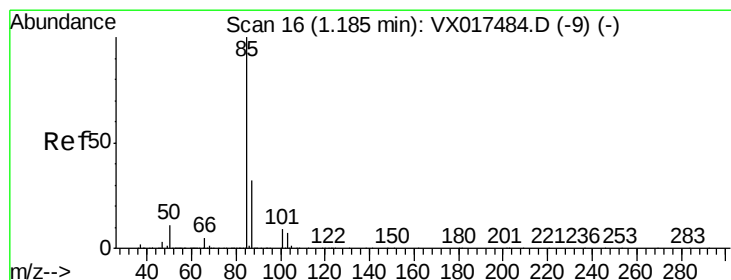
0

5.50 5.60 5.70 5.80

5.63



Time-->



#2

Dichlorodifluoromethane

Concen: 49.950 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017713.D

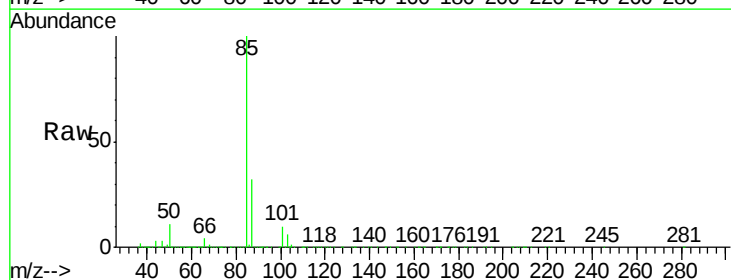
Acq: 31 Jul 2020 19:40

Tgt Ion: 85 Resp: 247664

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

300000

250000

200000

150000

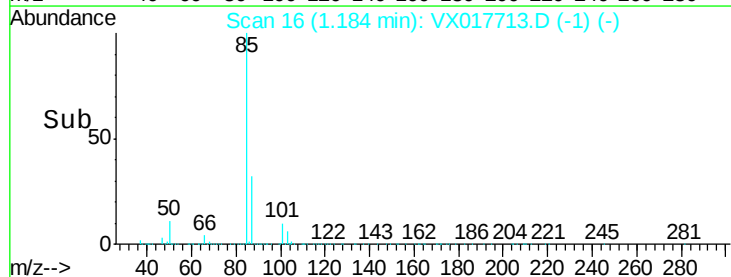
100000

50000

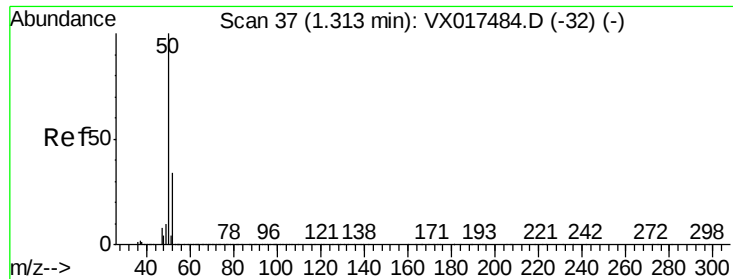
0

1.10 1.15 1.20 1.25 1.30

1.18



Time-->



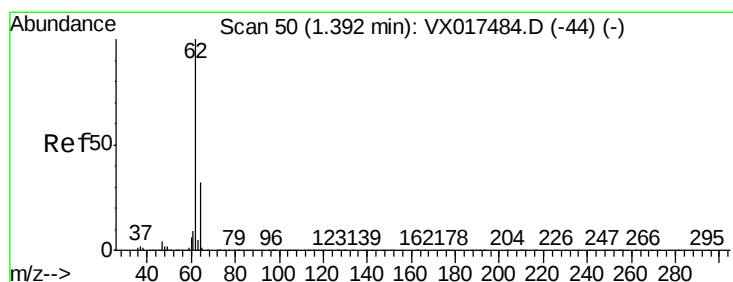
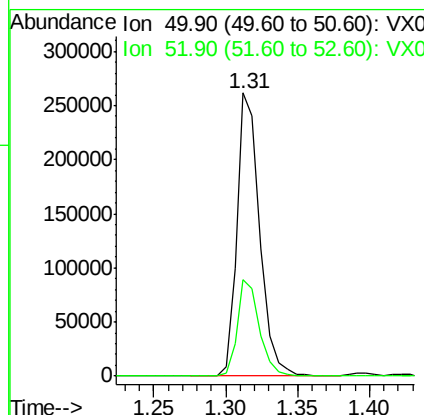
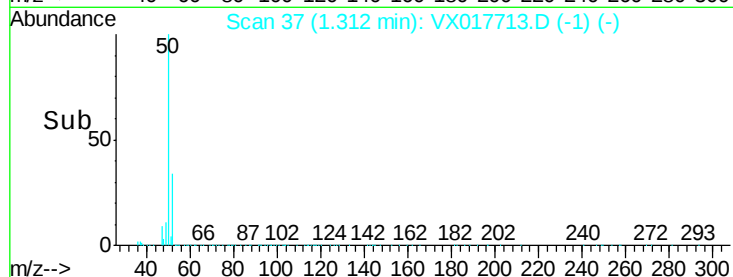
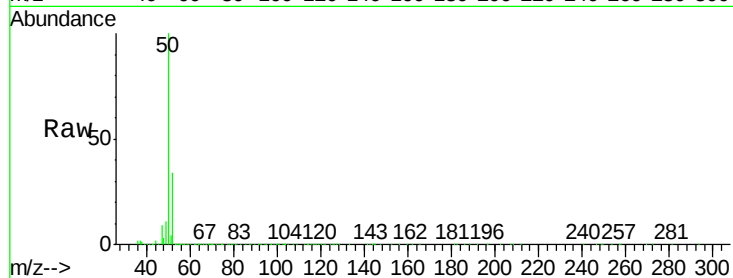
#3
Chloromethane
Concen: 43.833 ug/l
RT: 1.31 min Scan# 37
Delta R.T. 0.00 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
50	100		
52	33.8	25.9	38.9

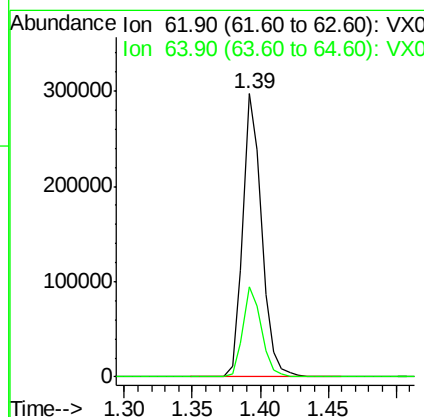
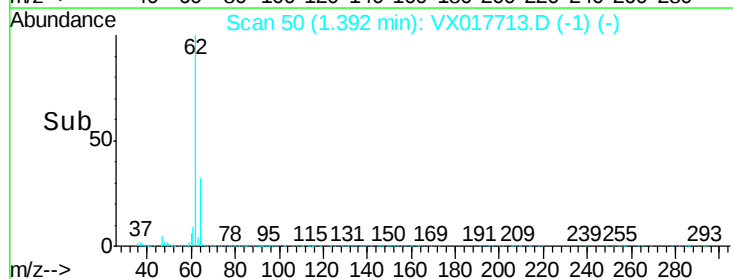
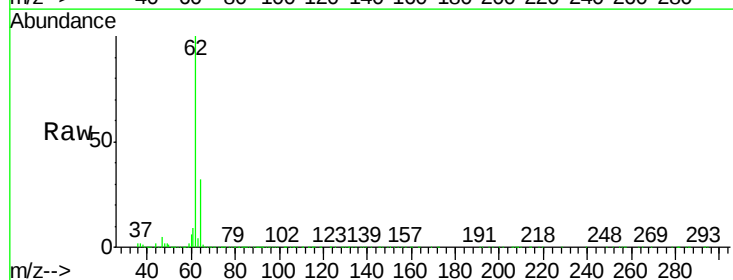
Manual Integrations
APPROVED

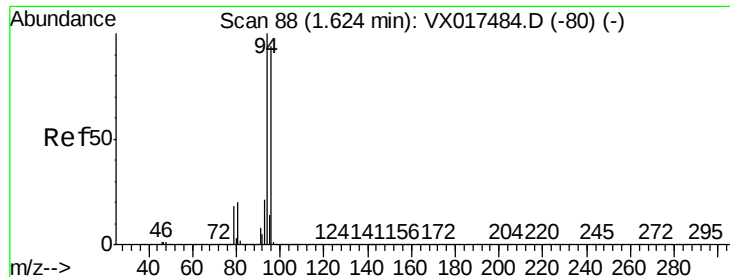
MMDadoda
8/3/2020 5:02:32 PM



#4
Vinyl Chloride
Concen: 42.932 ug/l
RT: 1.39 min Scan# 50
Delta R.T. -0.00 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.2	37.8





#5

Bromomethane

Concen: 47.908 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX017713.D

Acq: 31 Jul 2020 19:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 173630

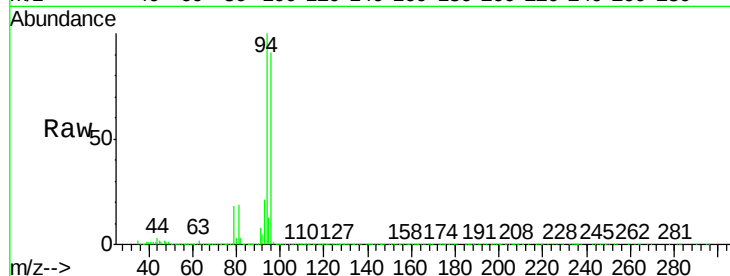
Ion Ratio Lower Upper

94 100

96 90.5 74.1 111.1

Manual Integrations
APPROVED

MMDadoda
8/3/2020 5:02:32 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

200000

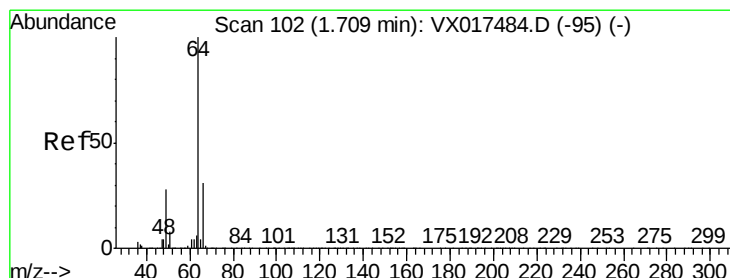
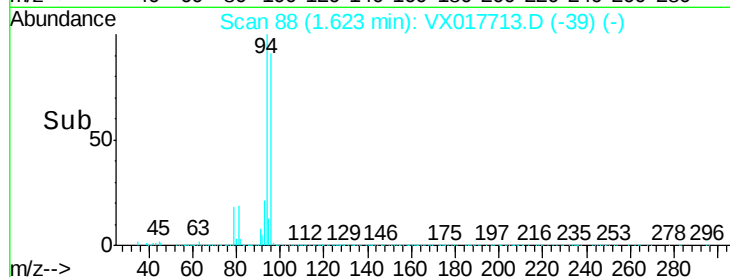
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 47.897 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX017713.D

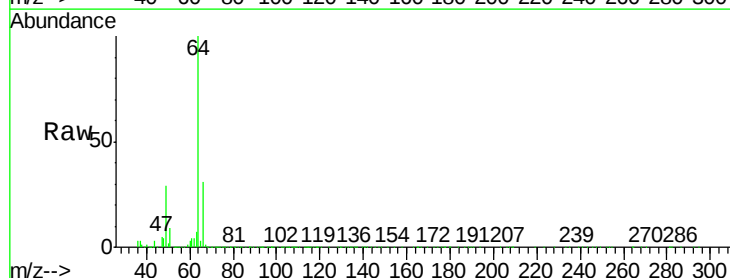
Acq: 31 Jul 2020 19:40

Tgt Ion: 64 Resp: 177739

Ion Ratio Lower Upper

64 100

66 30.8 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

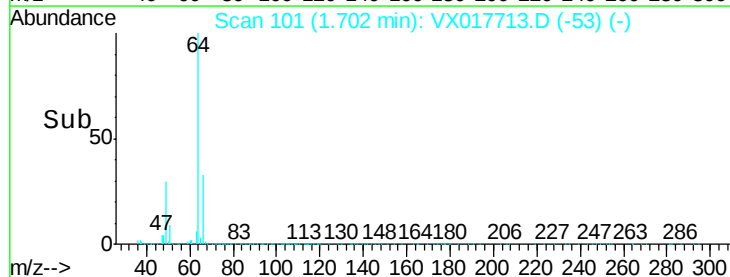
150000

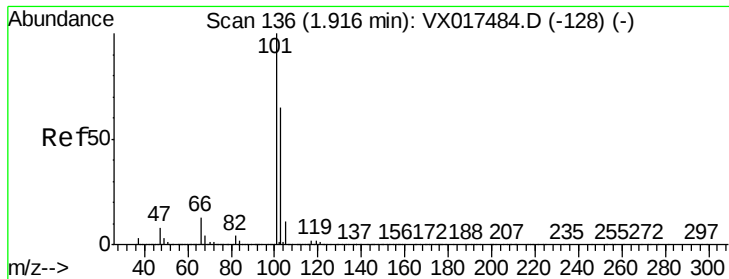
100000

50000

0

Time-->





#7

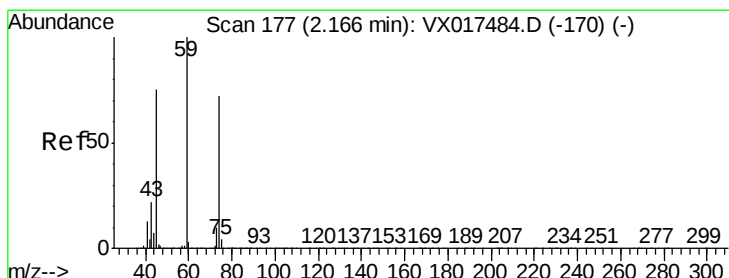
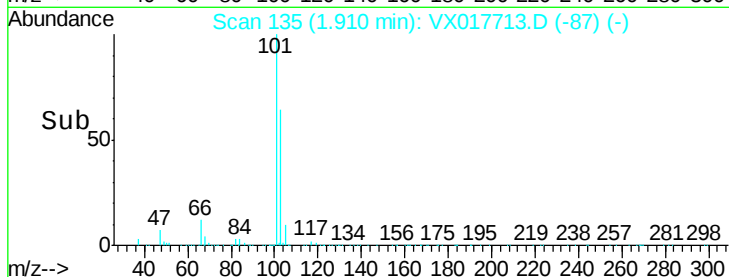
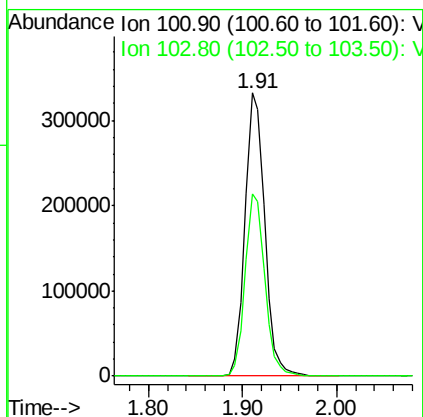
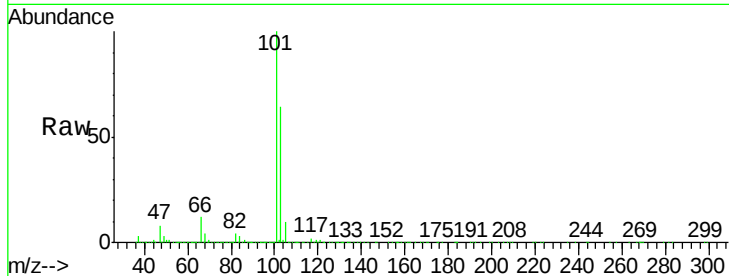
Trichlorofluoromethane
Concen: 46.074 ug/l
RT: 1.91 min Scan# 135
Delta R.T. -0.01 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.8	77.8

Manual Integrations
APPROVED

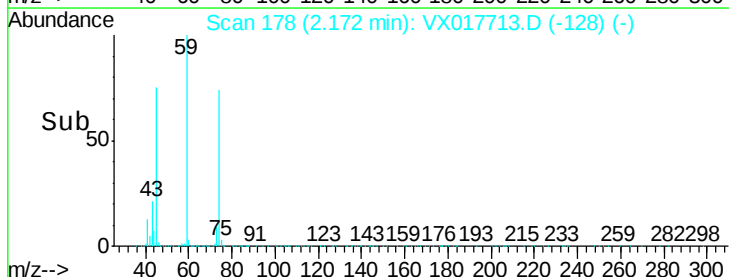
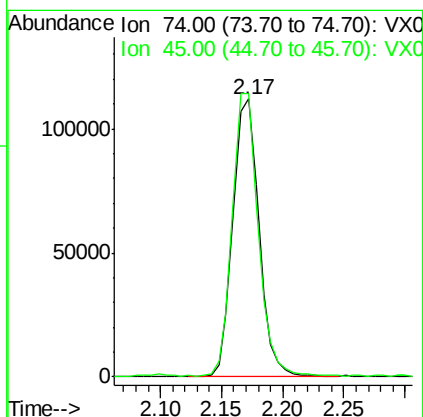
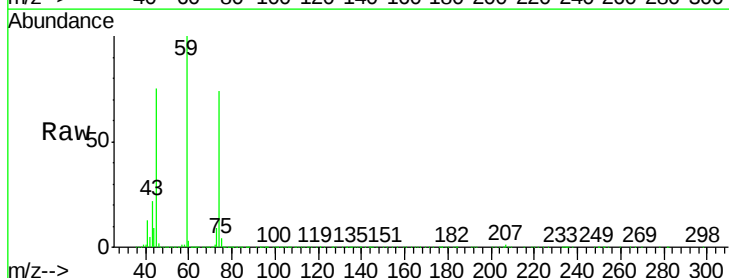
MMDadoda
8/3/2020 5:02:32 PM

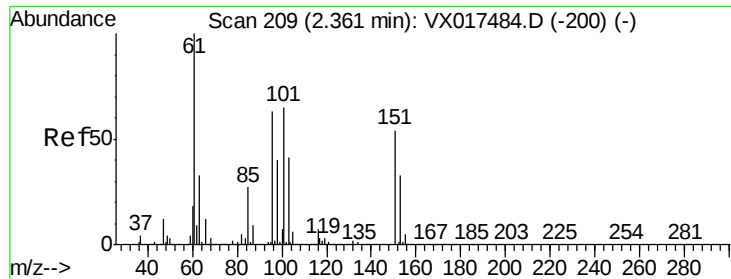


#8

Diethyl Ether
Concen: 47.952 ug/l
RT: 2.17 min Scan# 178
Delta R.T. 0.01 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.2	50.8	152.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.052 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX017713.D

Acq: 31 Jul 2020 19:40

Instrument :

MSVOA_X

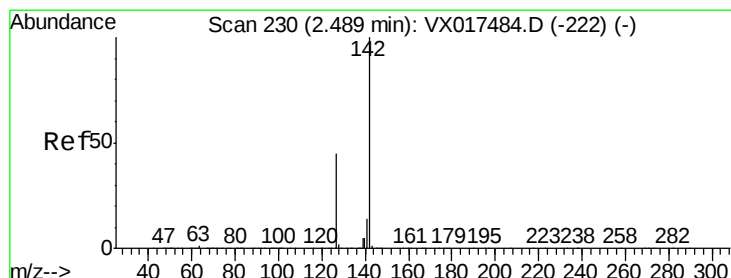
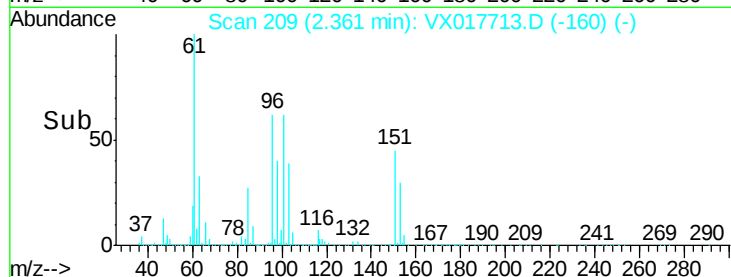
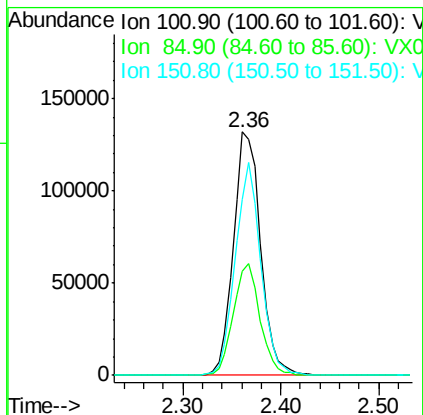
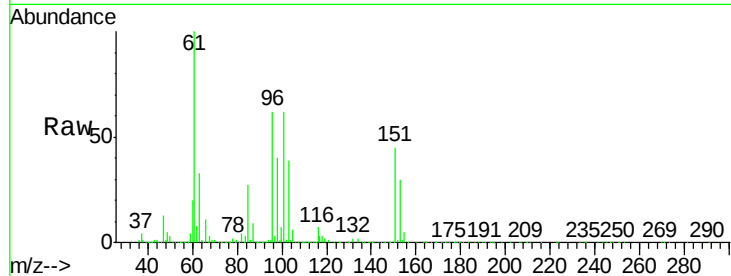
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	255709
Ion Ratio	Lower	Upper	
101	100		
85	44.8	34.8	52.2
151	81.9	68.0	102.0

Manual Integrations
APPROVED

MMDadoda
8/3/2020 5:02:32 PM



#10

Methyl Iodide

Concen: 38.773 ug/l

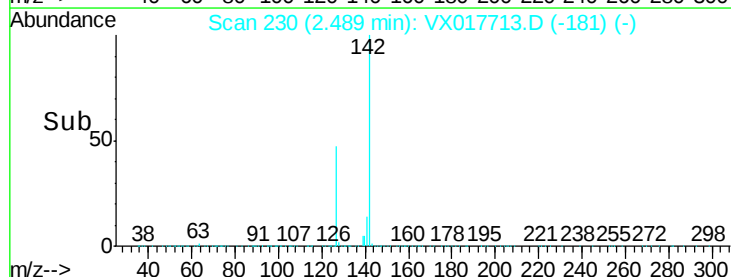
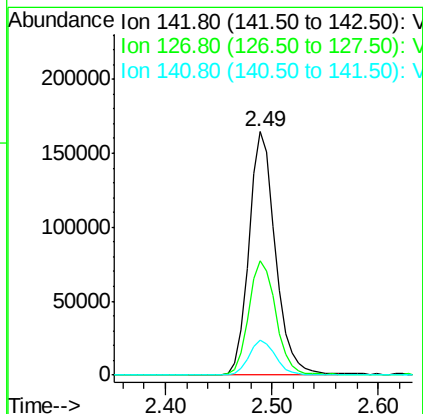
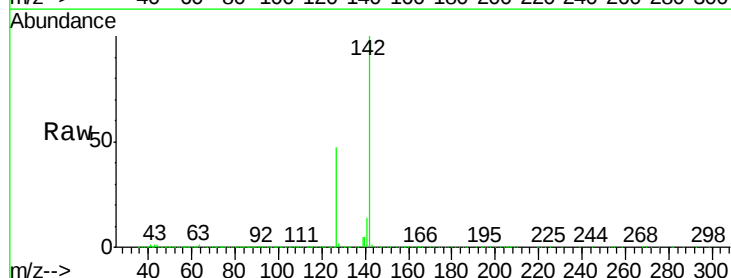
RT: 2.49 min Scan# 230

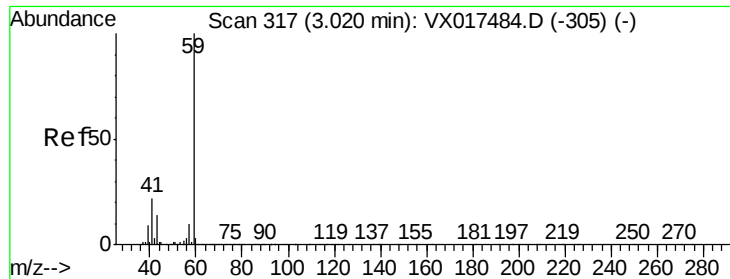
Delta R.T. -0.00 min

Lab File: VX017713.D

Acq: 31 Jul 2020 19:40

Tgt Ion:	142	Resp:	287932
Ion Ratio	Lower	Upper	
142	100		
127	48.2	35.9	53.9
141	14.8	11.4	17.0





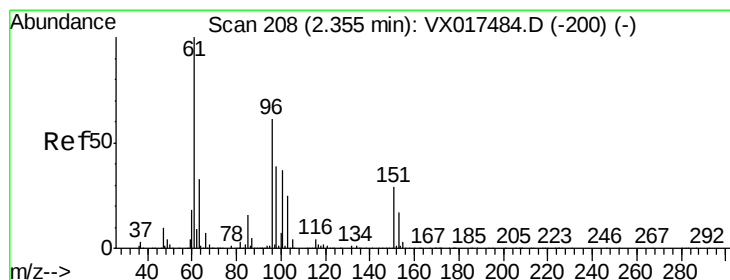
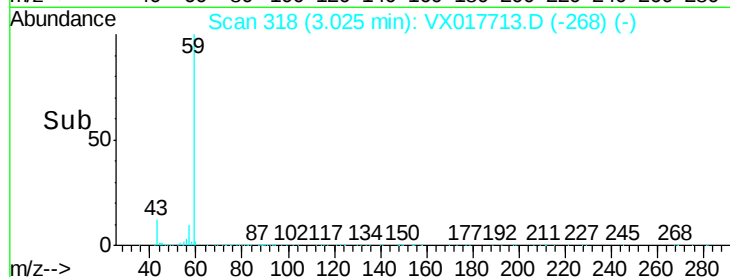
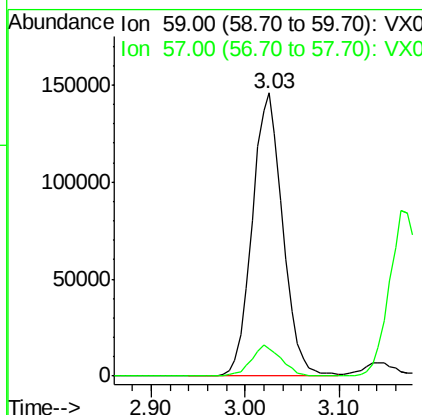
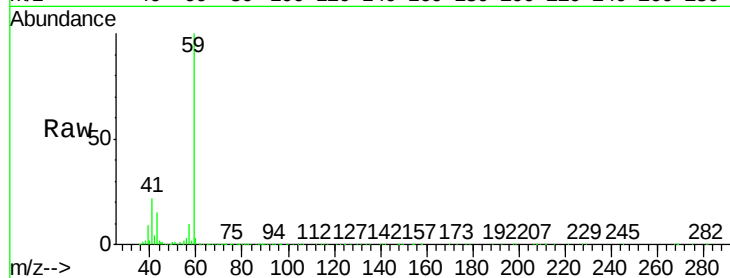
#11
Tert butyl alcohol
Concen: 229.667 ug/l
RT: 3.03 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 332288
Ion Ratio Lower Upper
59 100
57 10.5 8.6 12.8

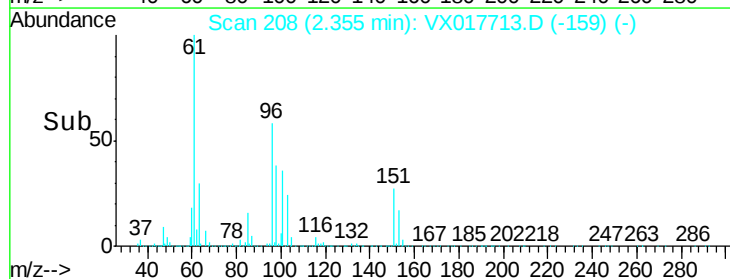
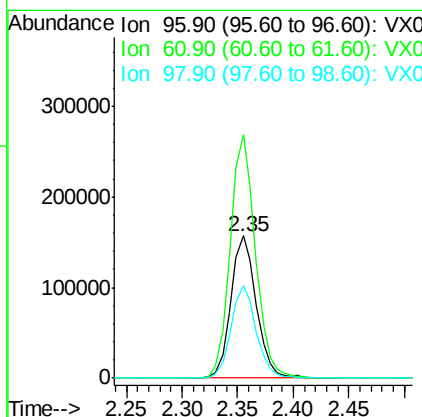
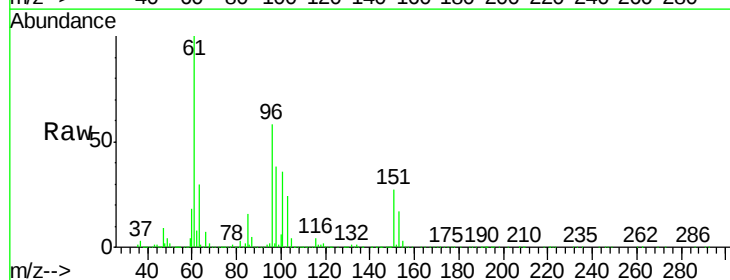
Manual Integrations
APPROVED

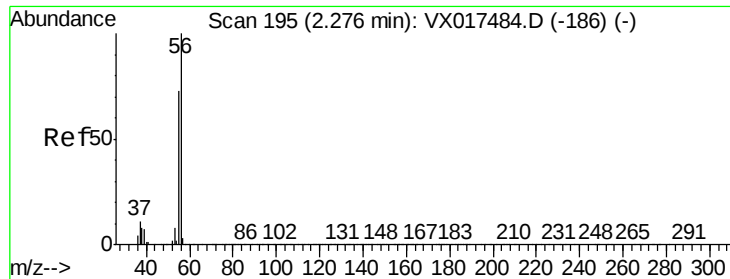
MMDadoda
8/3/2020 5:02:32 PM



#12
1,1-Dichloroethene
Concen: 44.933 ug/l
RT: 2.35 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Tgt Ion: 96 Resp: 248027
Ion Ratio Lower Upper
96 100
61 171.4 134.0 201.0
98 64.8 51.0 76.4





#13

Acrolein

Concen: 248.798 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX017713.D

Acq: 31 Jul 2020 19:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 274807

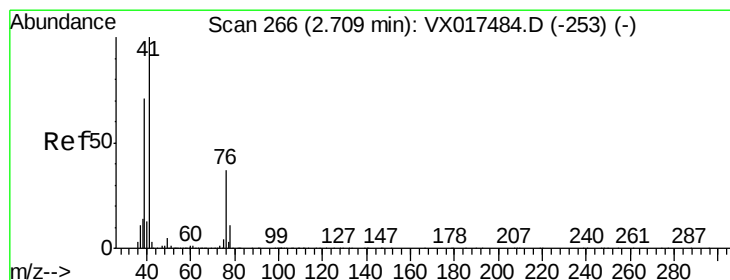
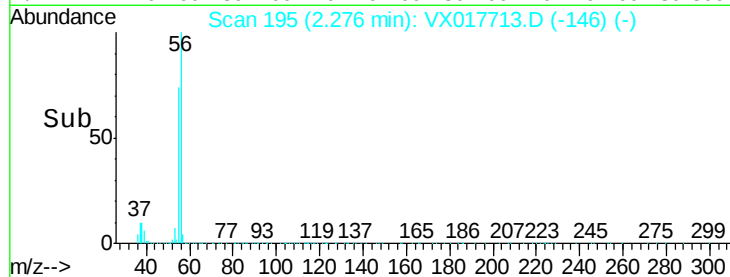
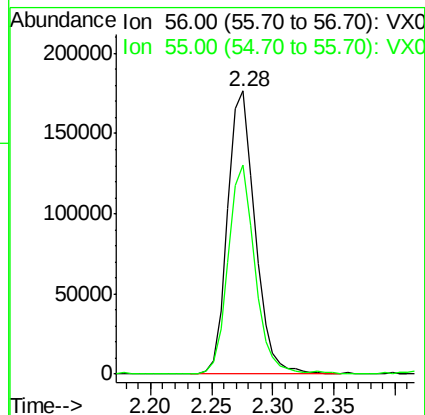
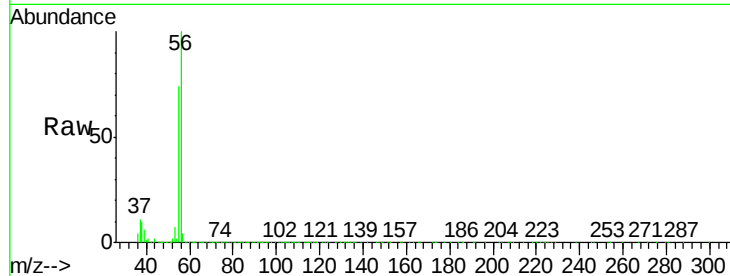
Ion Ratio Lower Upper

56 100

55 71.9 57.4 86.2

Manual Integrations
APPROVED

MMDadoda
8/3/2020 5:02:32 PM



#14

Allyl chloride

Concen: 45.093 ug/l

RT: 2.71 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX017713.D

Acq: 31 Jul 2020 19:40

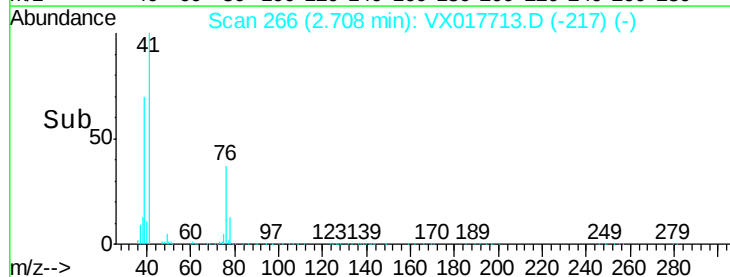
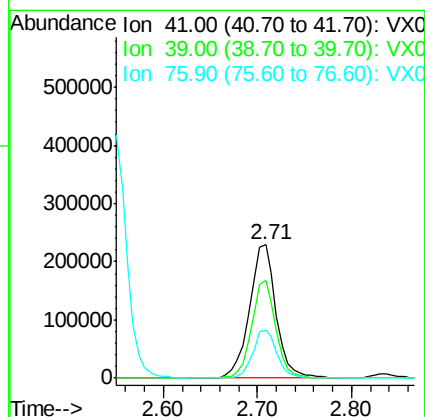
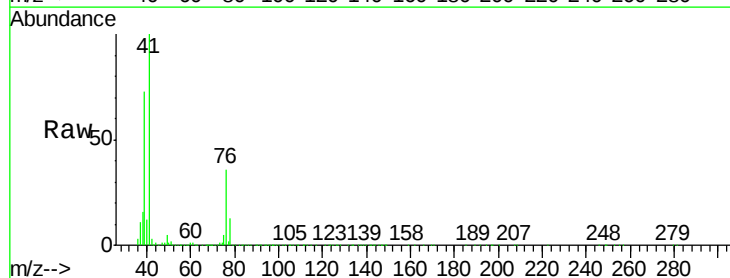
Tgt Ion: 41 Resp: 454501

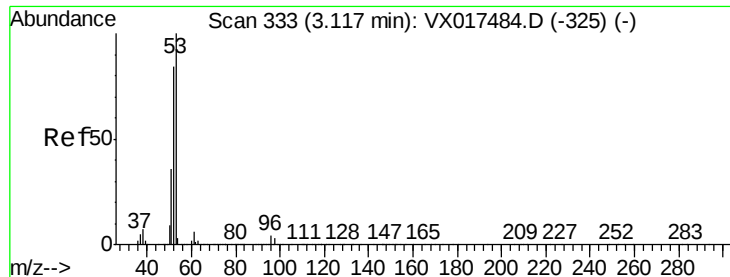
Ion Ratio Lower Upper

41 100

39 66.8 51.9 77.9

76 32.8 25.5 38.3





#15

Acrylonitrile

Concen: 244.973 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX017713.D

Acq: 31 Jul 2020 19:40

Instrument :

MSVOA_X

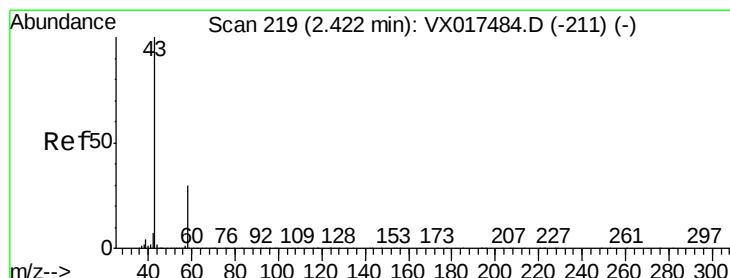
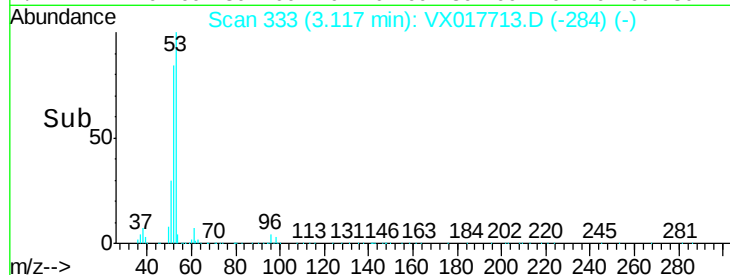
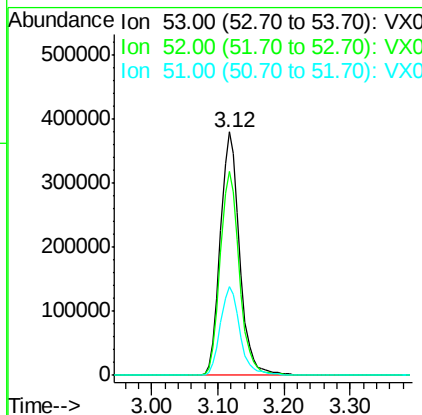
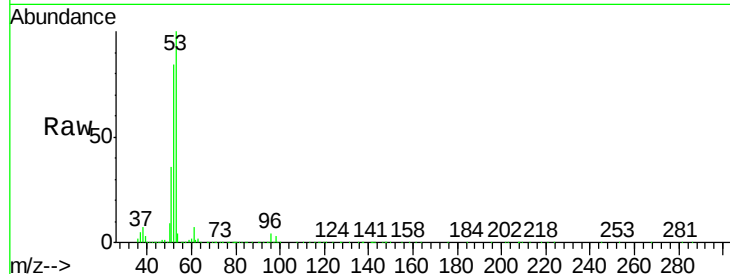
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	765533
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.6	99.8
51	37.1	29.4	44.2

Manual Integrations
APPROVED

MMDadoda
8/3/2020 5:02:32 PM



#16

Acetone

Concen: 233.431 ug/l

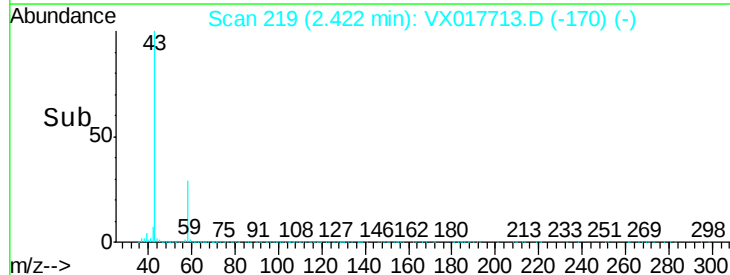
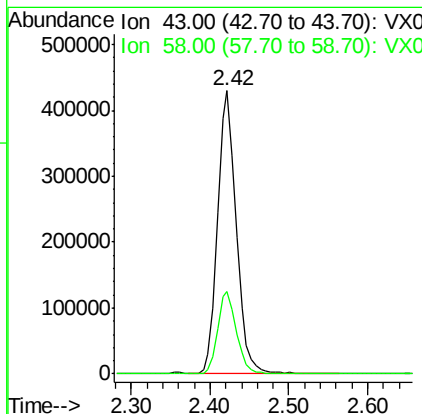
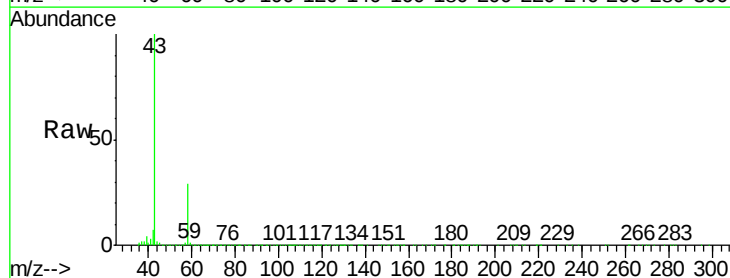
RT: 2.42 min Scan# 219

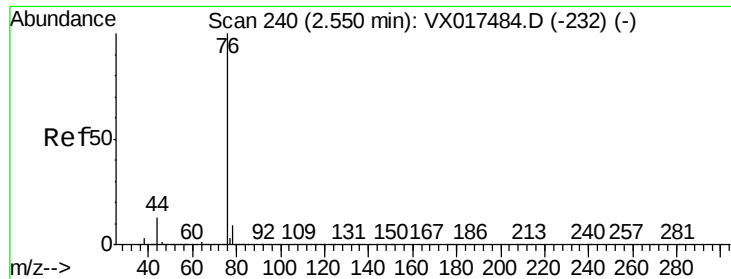
Delta R.T. -0.00 min

Lab File: VX017713.D

Acq: 31 Jul 2020 19:40

Tgt Ion:	43	Resp:	705303
Ion Ratio	Lower	Upper	
43	100		
58	29.1	24.2	36.4





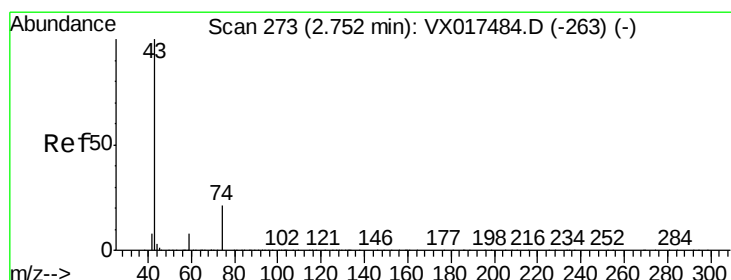
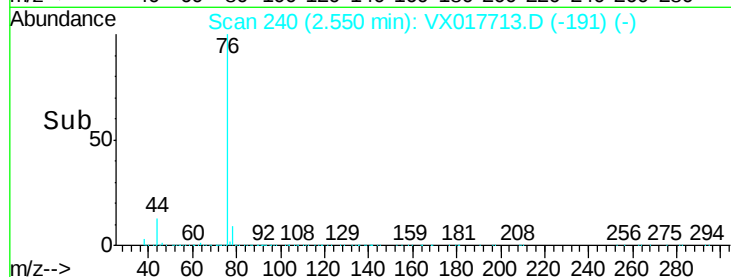
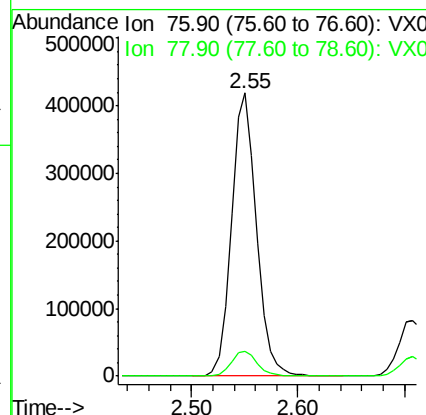
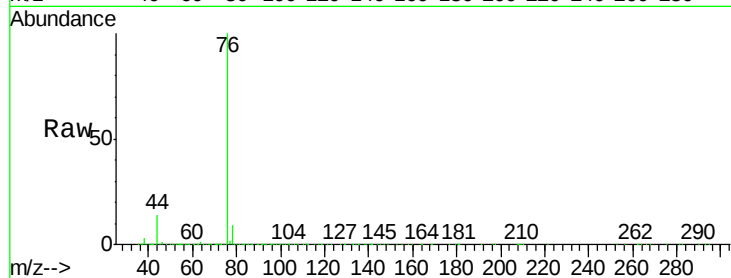
#17
Carbon Disulfide
Concen: 40.822 ug/l
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.5	11.3

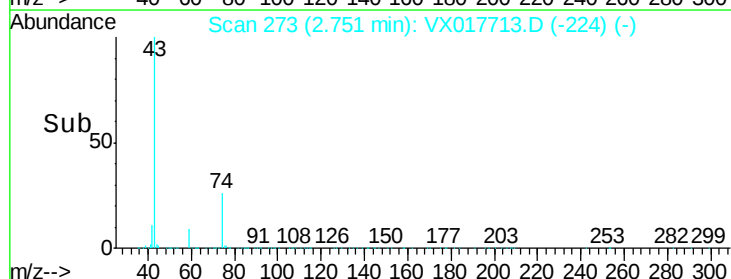
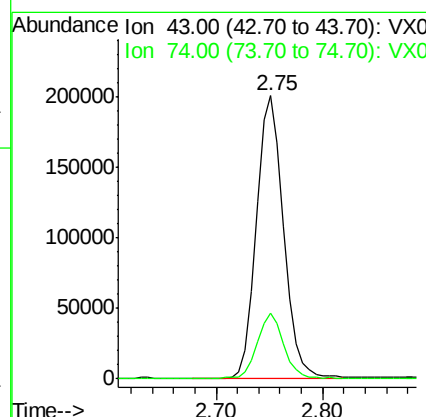
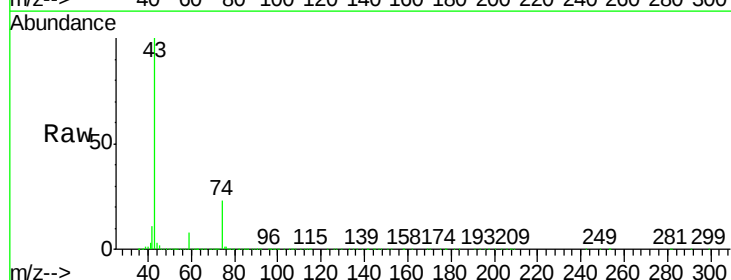
Manual Integrations
APPROVED

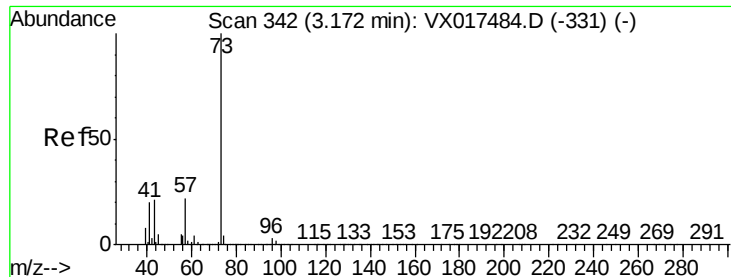
MMDadoda
8/3/2020 5:02:32 PM



#18
Methyl Acetate
Concen: 50.541 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	17.5	26.3





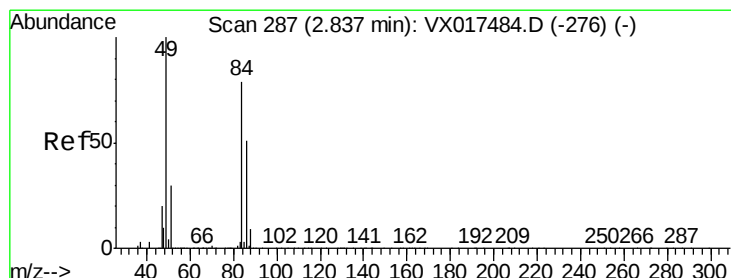
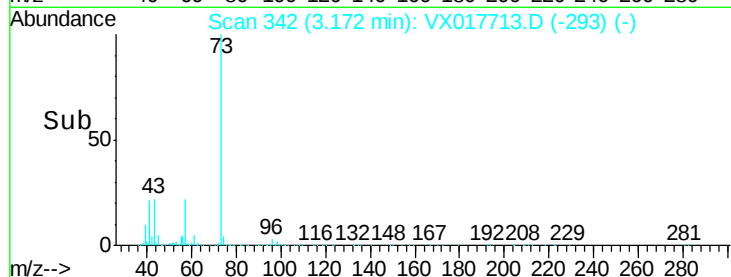
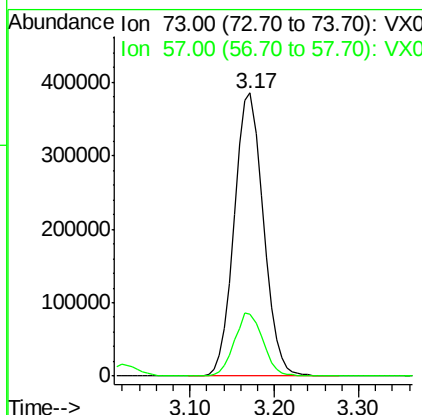
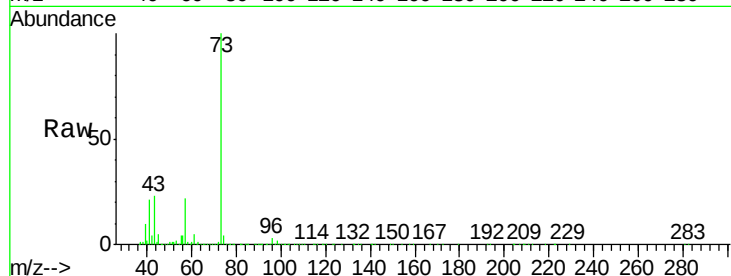
#19
Methvl tert-butvl Ether
Concen: 47.065 ug/l
RT: 3.17 min Scan# 342
Delta R.T. -0.00 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.0	25.4

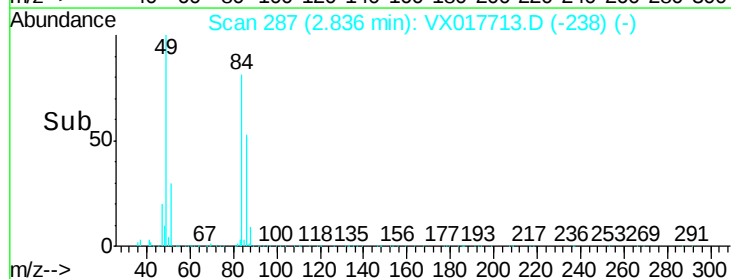
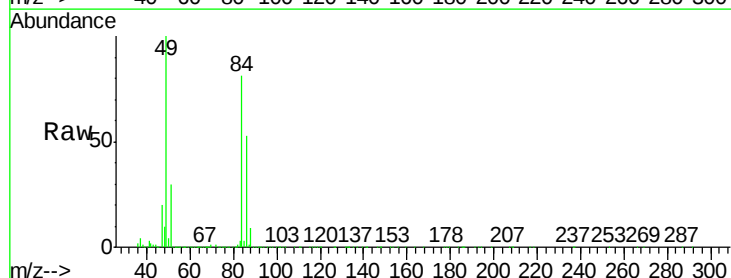
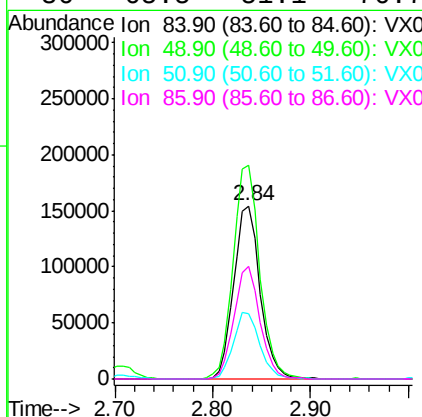
Manual Integrations
APPROVED

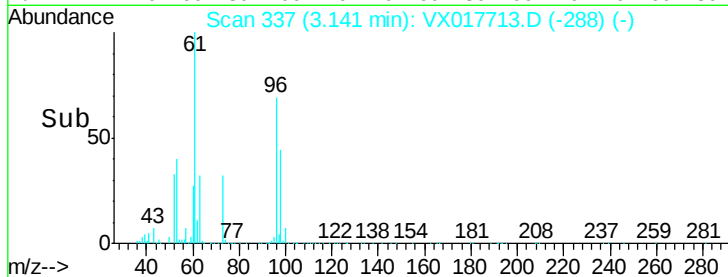
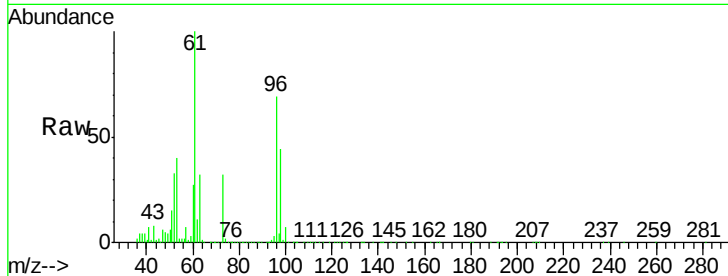
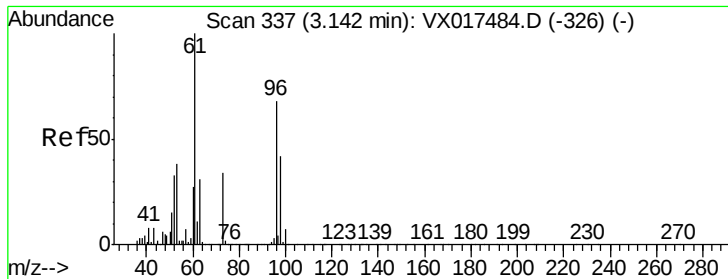
MMDadoda
8/3/2020 5:02:32 PM



#20
Methylene Chloride
Concen: 50.898 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.4	100.3	150.5
51	37.4	30.5	45.7
86	65.5	51.1	76.7





#21

trans-1,2-Dichloroethene

Concen: 46.040 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX017713.D

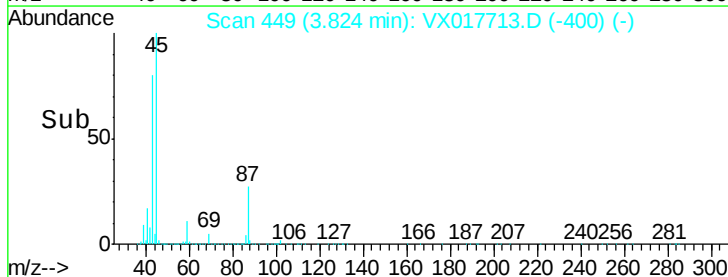
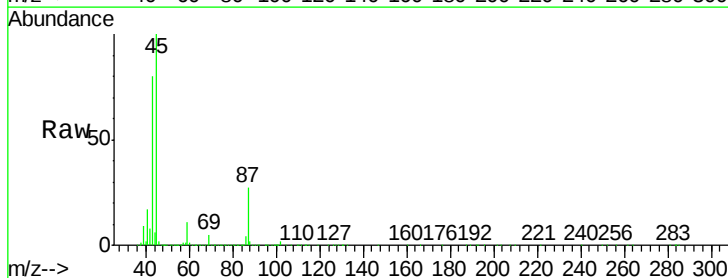
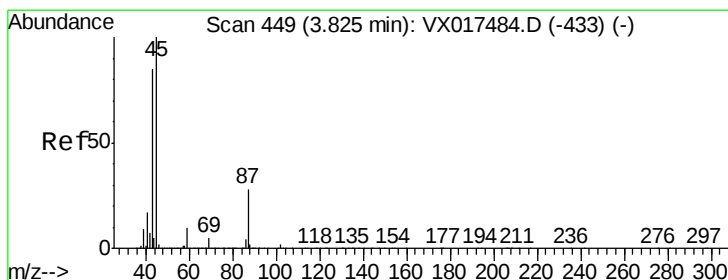
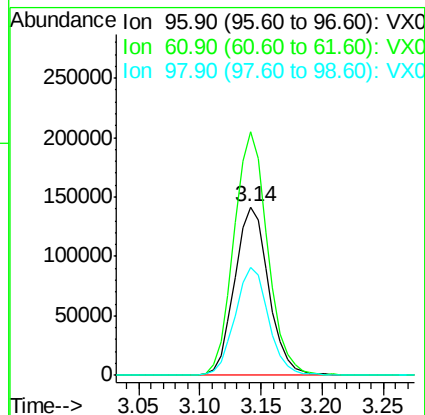
Acq: 31 Jul 2020 19:40

Tot Ion:	96	Resp:	272257
Ion	Ratio	Lower	Upper
96	100		
61	144.5	113.0	169.4
98	63.8	51.8	77.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
8/3/2020 5:02:32 PM



#22

Diisopropyl ether

Concen: 49.711 ug/l

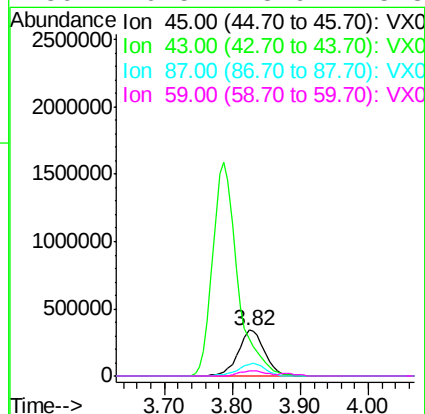
RT: 3.82 min Scan# 449

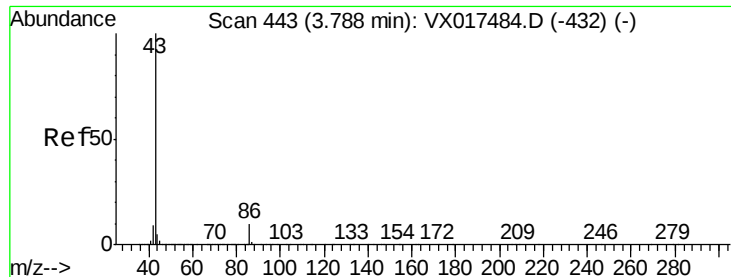
Delta R.T. -0.00 min

Lab File: VX017713.D

Acq: 31 Jul 2020 19:40

Tgt Ion:	45	Resp:	916149
Ion	Ratio	Lower	Upper
45	100		
43	80.0	52.0	78.0#
87	26.6	22.2	33.4
59	10.5	8.9	13.3





#23

Vinyl Acetate

Concen: 245.838 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX017713.D

Acq: 31 Jul 2020 19:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 4039691

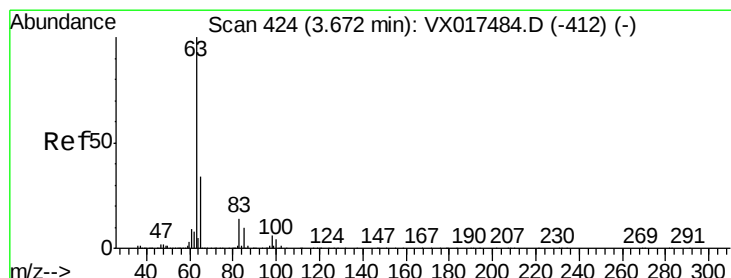
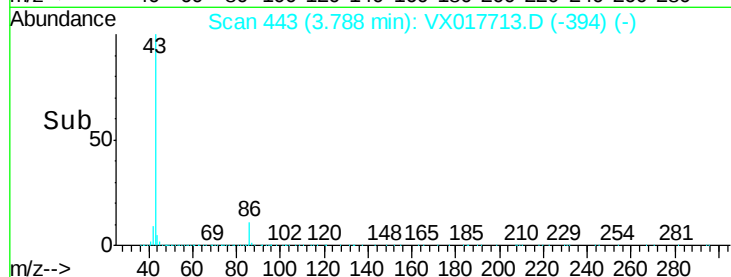
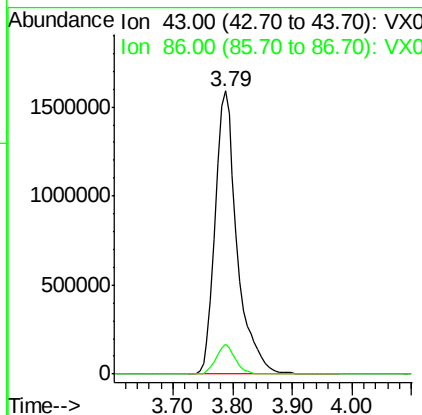
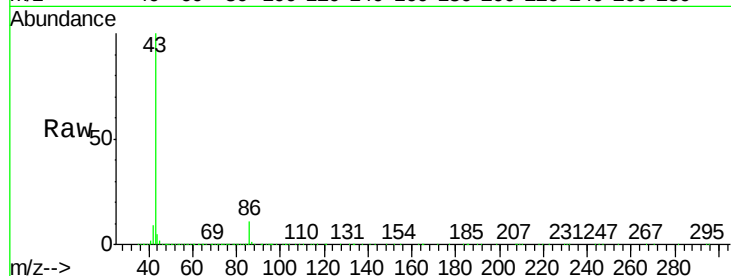
Ion Ratio Lower Upper

43 100

86 10.5 8.2 12.4

Manual Integrations
APPROVED

MMDadoda
8/3/2020 5:02:32 PM



#24

1,1-Dichloroethane

Concen: 48.278 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX017713.D

Acq: 31 Jul 2020 19:40

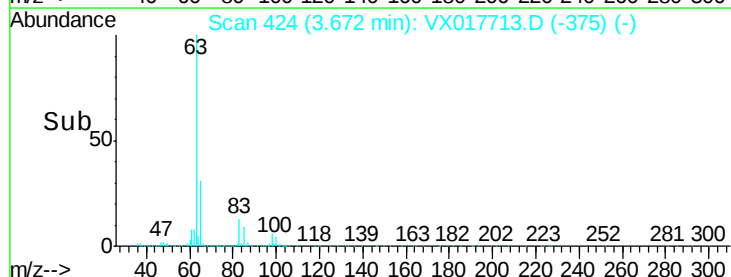
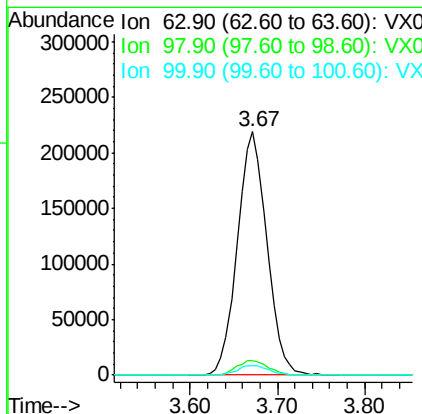
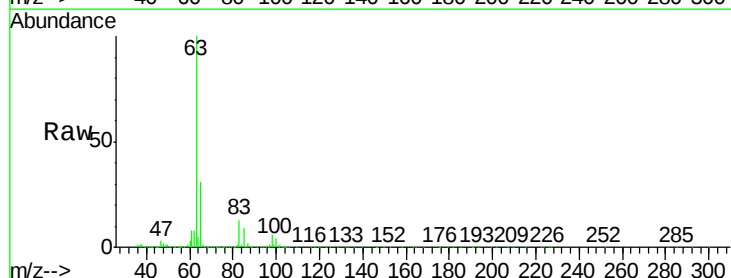
Tgt Ion: 63 Resp: 512543

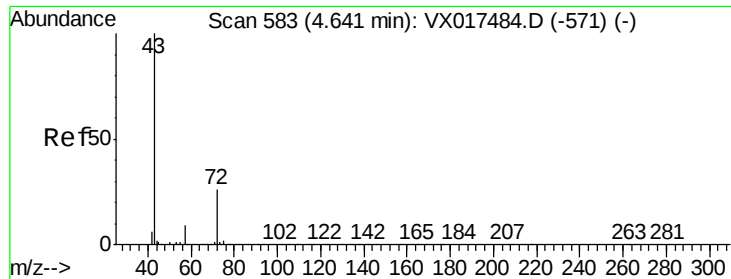
Ion Ratio Lower Upper

63 100

98 6.0 3.4 10.1

100 3.9 1.9 5.7





#25

2-Butanone

Concen: 251.554 ug/l

RT: 4.64 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX017713.D

Acq: 31 Jul 2020 19:40

Tot Ion: 43 Resp: 1079743

Ion Ratio Lower Upper

43 100

72 25.2 19.0 28.4

Instrument :

MSVOA_X

ClientSampleId :

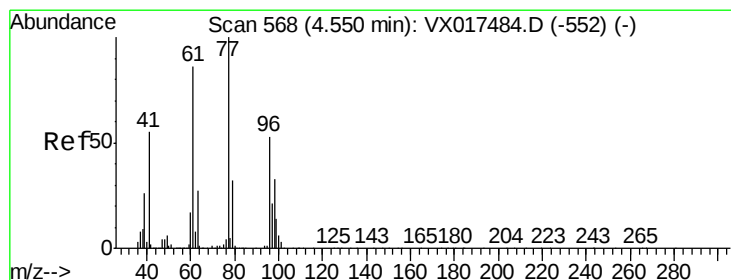
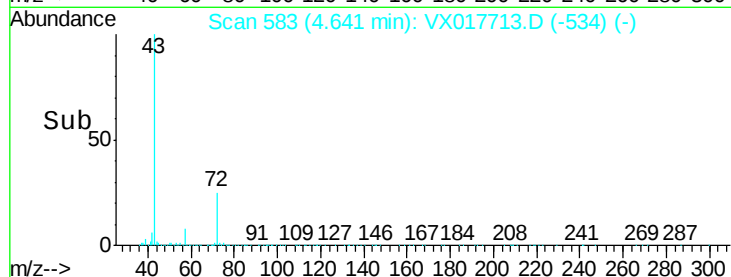
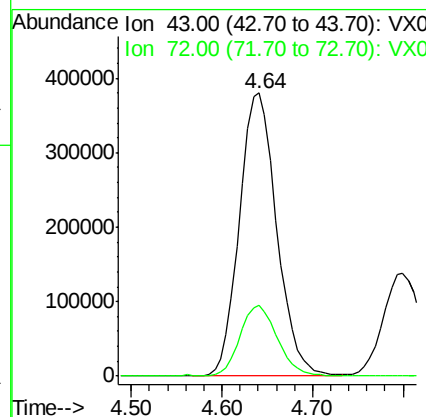
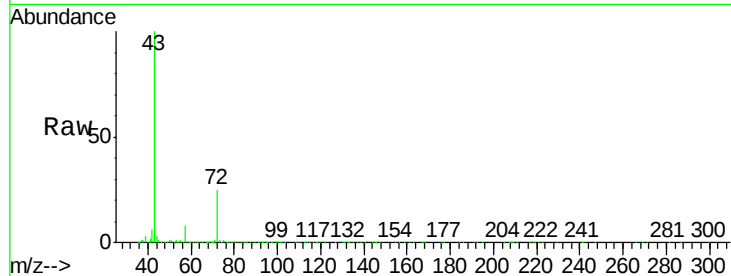
VSTDCCC050EC

Manual Integrations

APPROVED

MMDadoda

8/3/2020 5:02:32 PM



#26

2,2-Dichloropropane

Concen: 44.396 ug/l

RT: 4.56 min Scan# 569

Delta R.T. 0.01 min

Lab File: VX017713.D

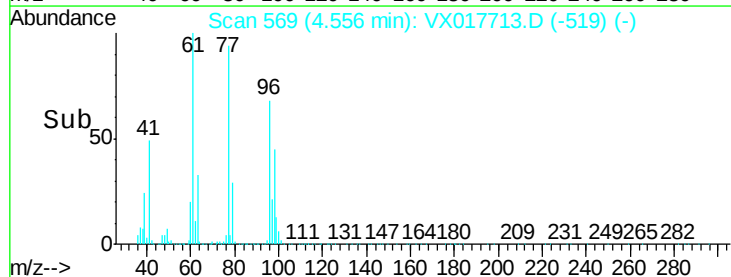
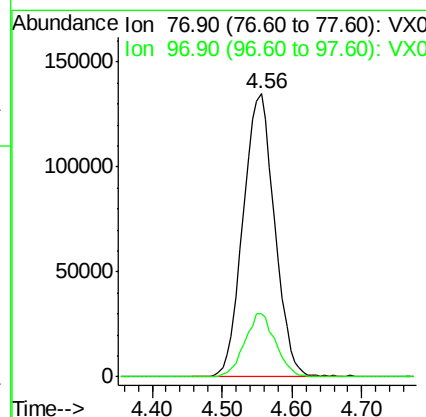
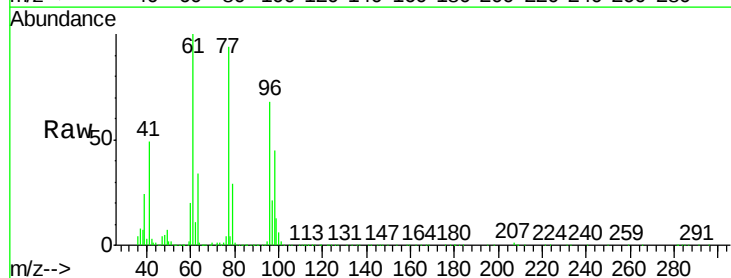
Acq: 31 Jul 2020 19:40

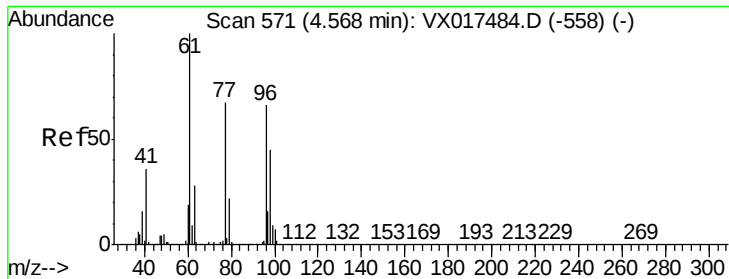
Tgt Ion: 77 Resp: 421904

Ion Ratio Lower Upper

77 100

97 21.8 10.9 32.9





#27

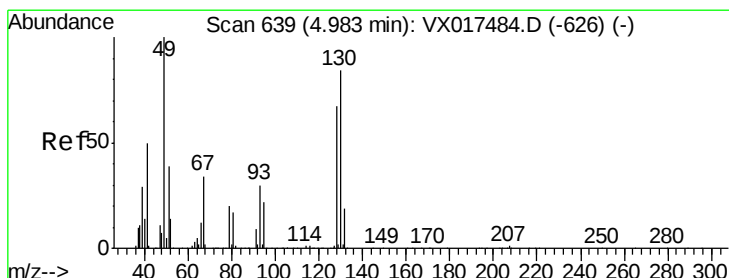
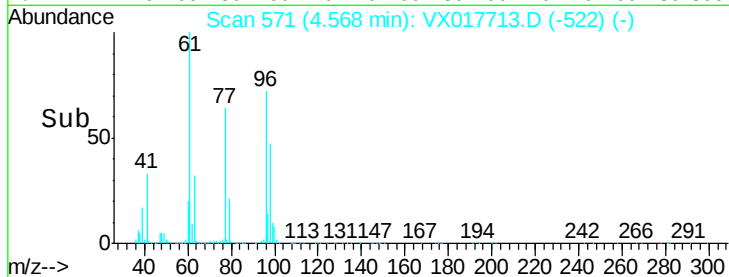
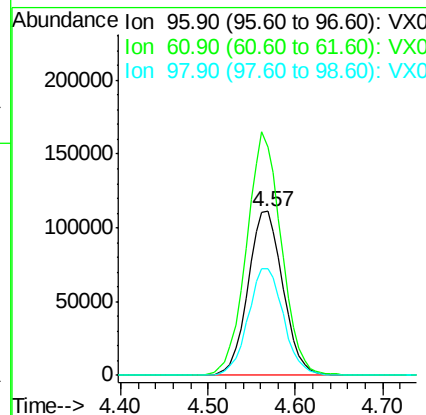
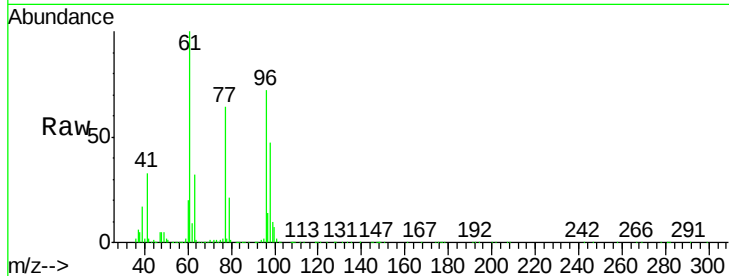
cis-1,2-Dichloroethene
Concen: 48.098 ug/l
RT: 4.57 min Scan# 571
Delta R.T. -0.00 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	308929		
61	148.1	0.0	301.2	
98	66.1	0.0	130.0	

Manual Integrations
APPROVED

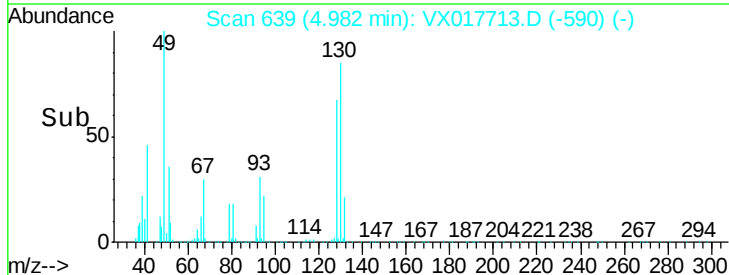
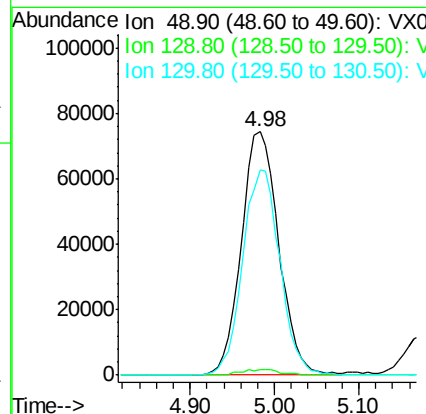
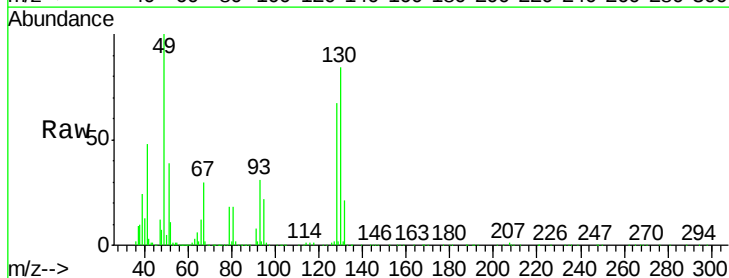
MMDadoda
8/3/2020 5:02:32 PM

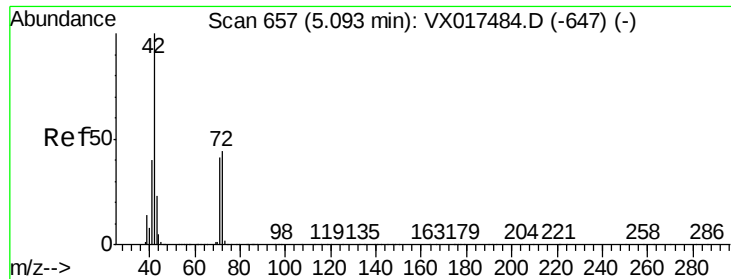


#28

Bromochloromethane
Concen: 46.553 ug/l
RT: 4.98 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	223965		
129	2.3	0.0	4.6	
130	83.9	66.7	100.1	





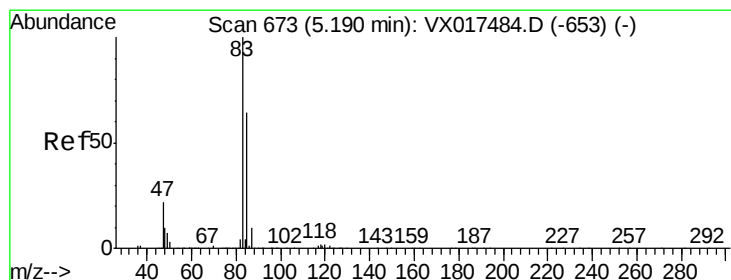
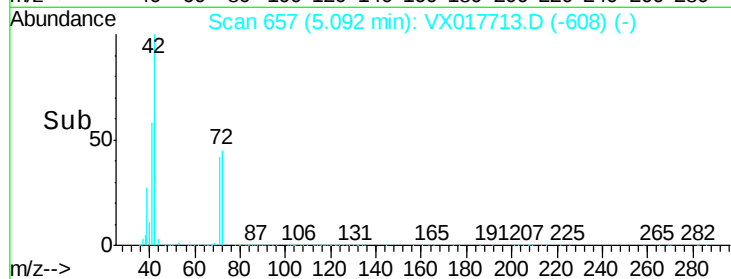
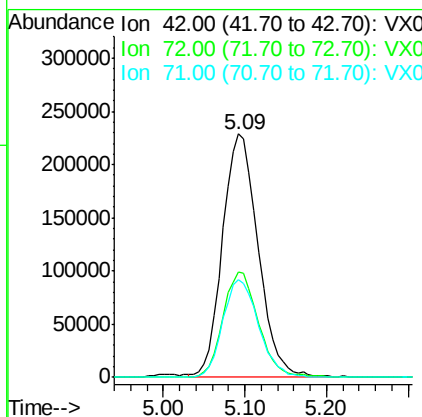
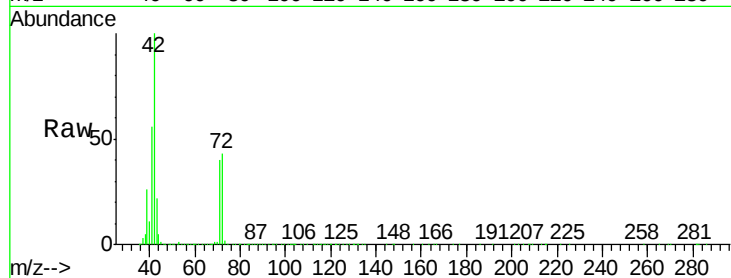
#29
Tetrahydrofuran
Concen: 257.536 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	35.5	53.3
71	40.6	33.0	49.4

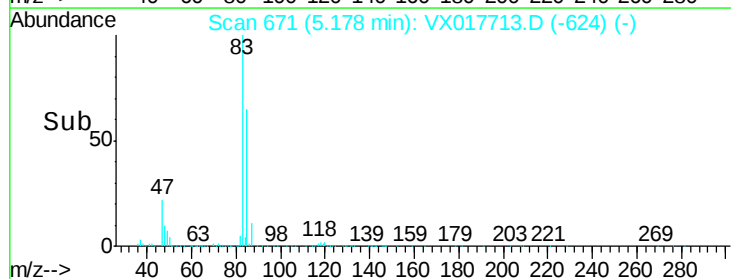
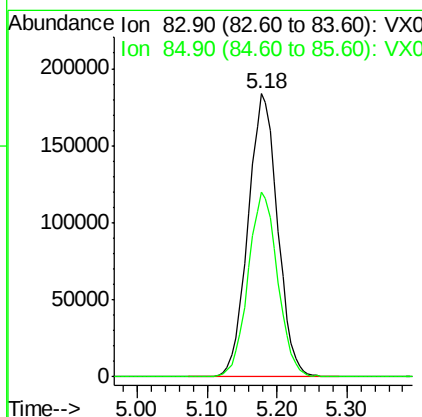
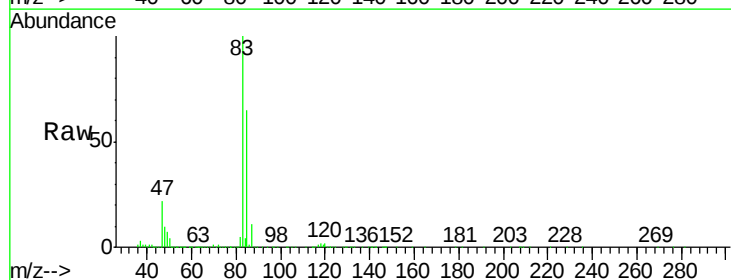
Manual Integrations
APPROVED

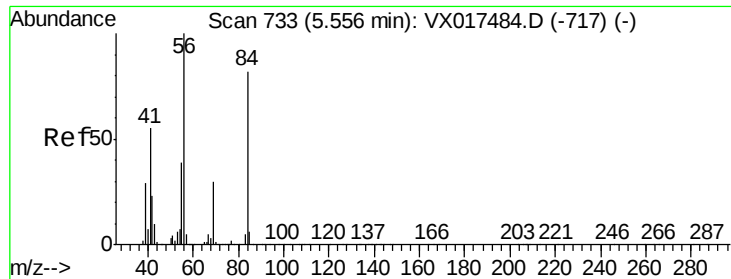
MMDadoda
8/3/2020 5:02:32 PM



#30
Chloroform
Concen: 49.662 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.01 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.4	77.2





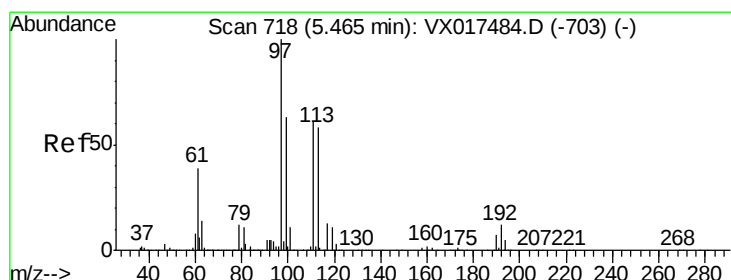
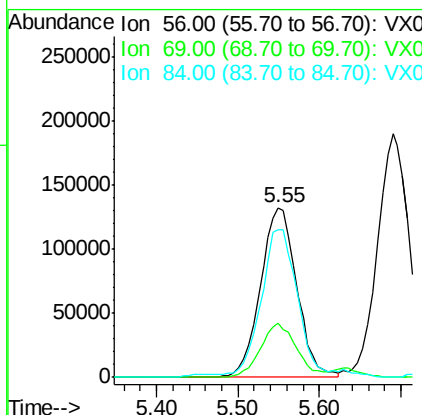
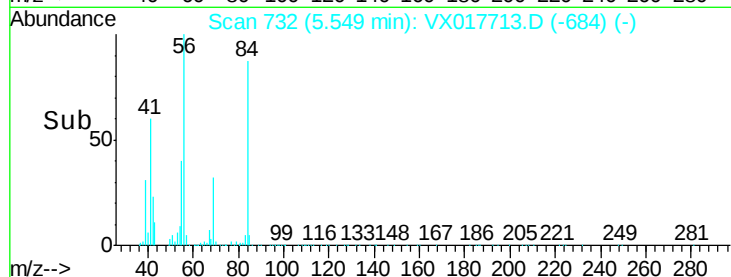
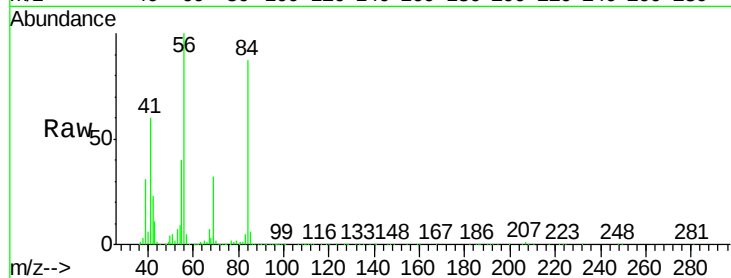
#31
Cyclohexane
Concen: 48.132 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.01 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.7	24.2	36.4
84	85.7	69.0	103.6

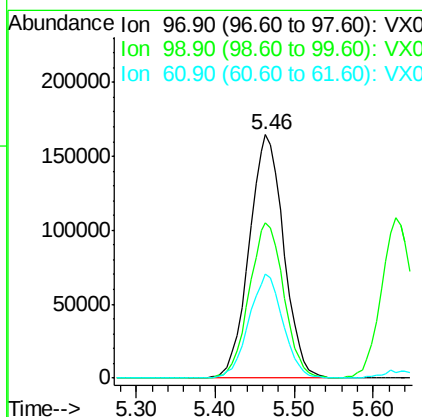
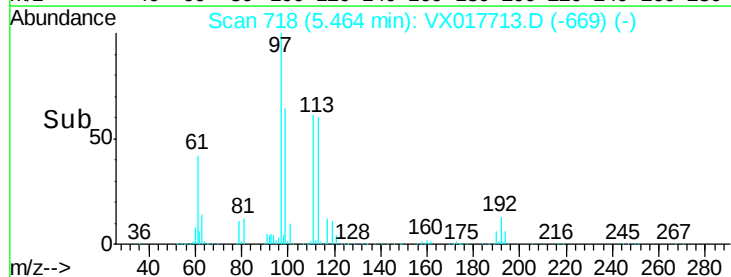
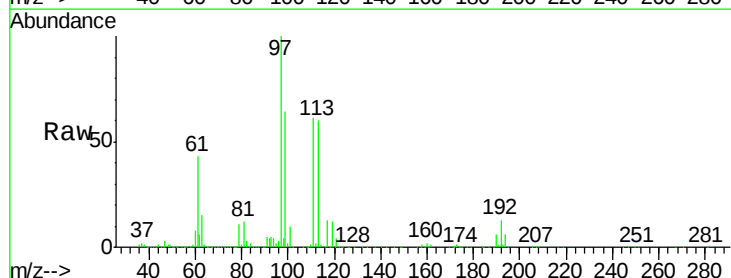
Manual Integrations
APPROVED

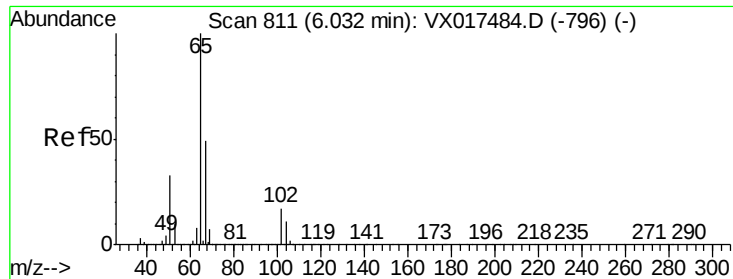
MMDadoda
8/3/2020 5:02:32 PM



#32
1,1,1-Trichloroethane
Concen: 48.802 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.9	77.9
61	42.2	34.1	51.1





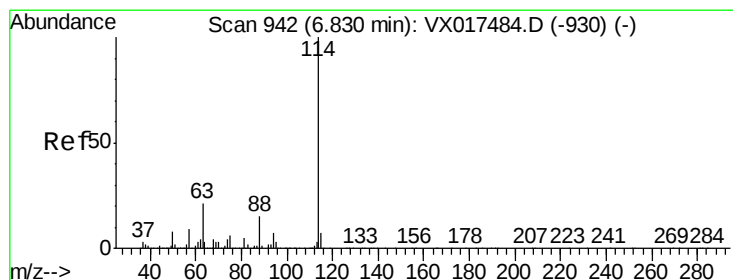
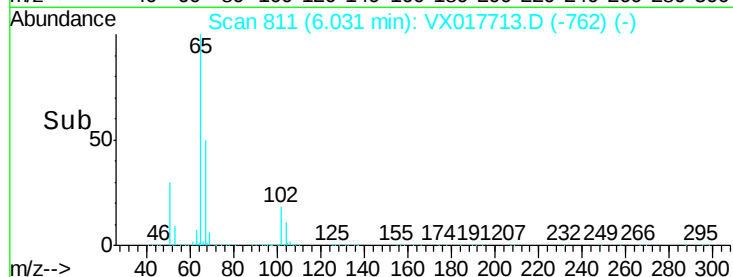
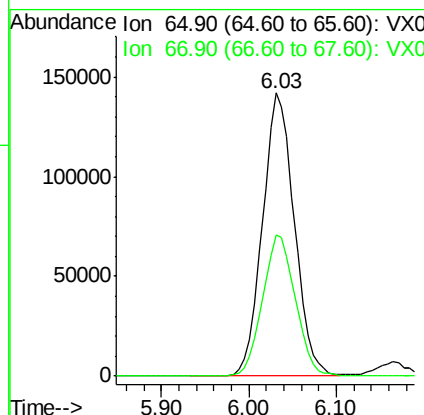
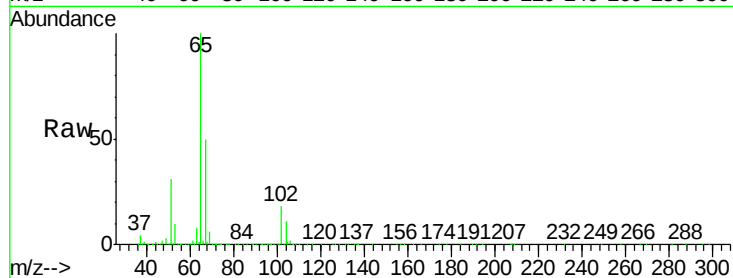
#33
 1,2-Dichloroethane-d4
 Concen: 52.307 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017713.D
 Acq: 31 Jul 2020 19:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	359076		
67	51.1	0.0	102.8	

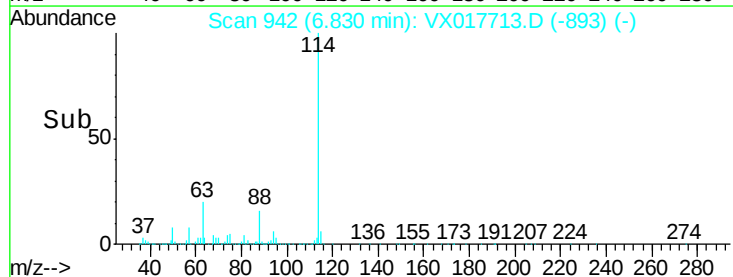
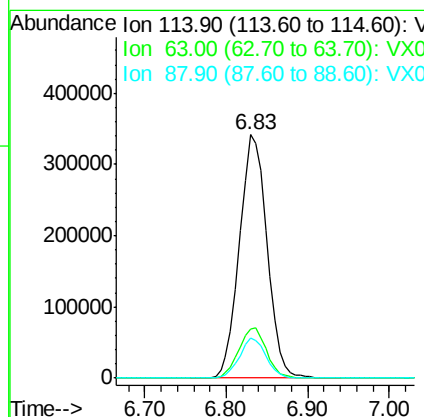
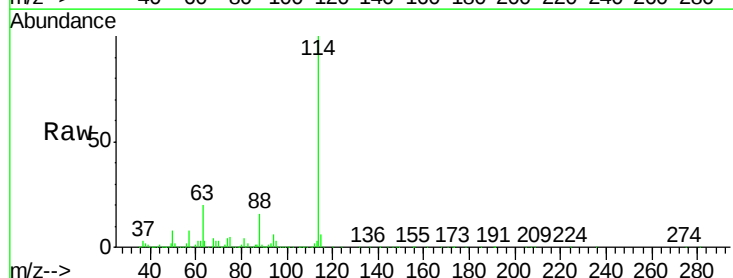
Manual Integrations
 APPROVED

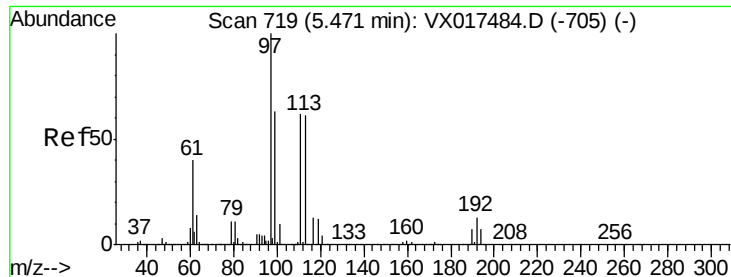
MMDadoda
 8/3/2020 5:02:32 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX017713.D
 Acq: 31 Jul 2020 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	801044		
63	19.9	0.0	40.6	
88	16.2	0.0	33.4	





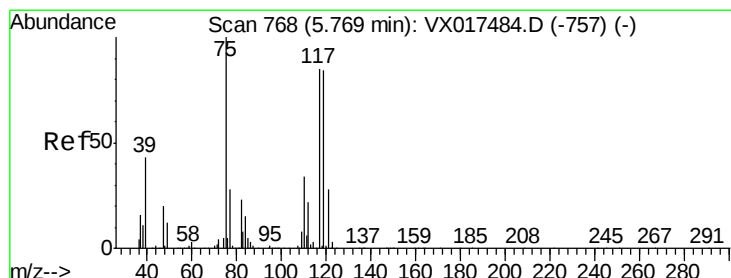
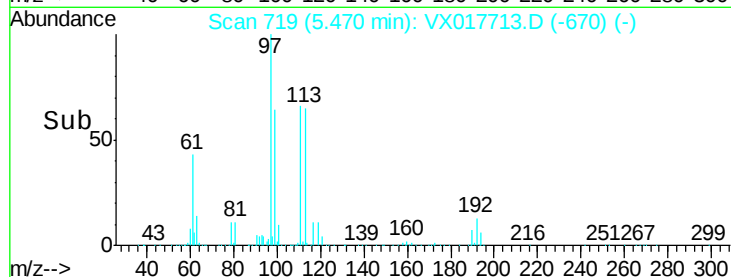
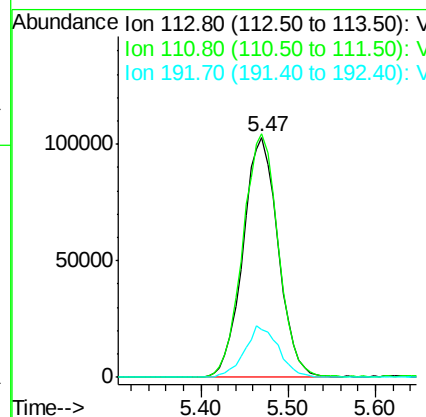
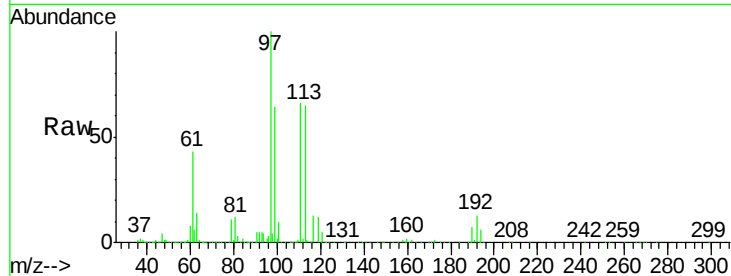
#35
Dibromofluoromethane
Concen: 53.764 ug/l
RT: 5.47 min Scan# 719
Delta R.T. -0.00 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	288037		
111	102.6	80.7	121.1	
192	20.7	16.9	25.3	

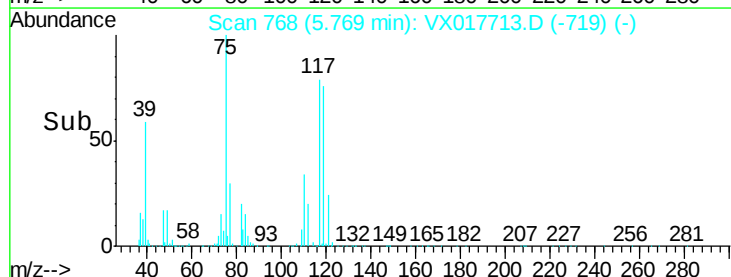
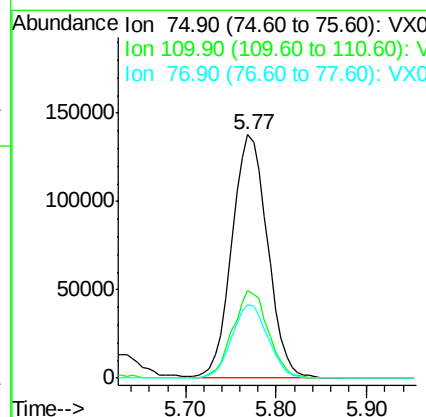
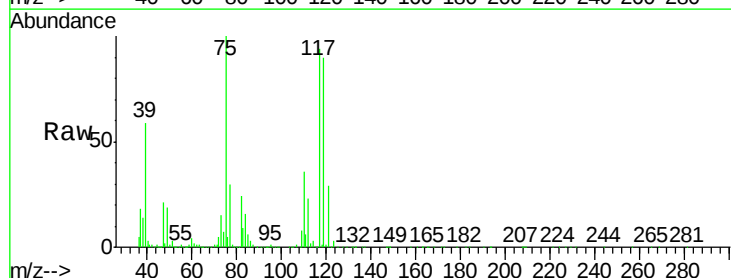
Manual Integrations
APPROVED

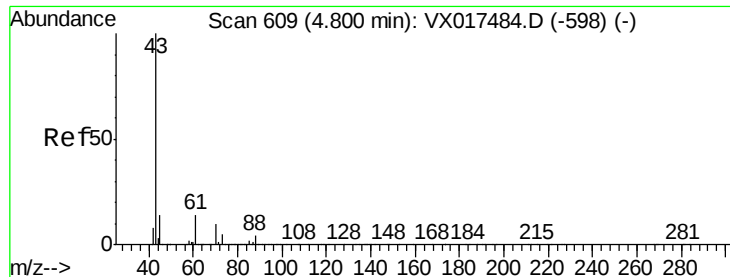
MMDadoda
8/3/2020 5:02:32 PM



#36
1,1-Dichloropropene
Concen: 48.885 ug/l
RT: 5.77 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	375571		
110	35.8	18.1	54.3	
77	30.1	24.6	37.0	





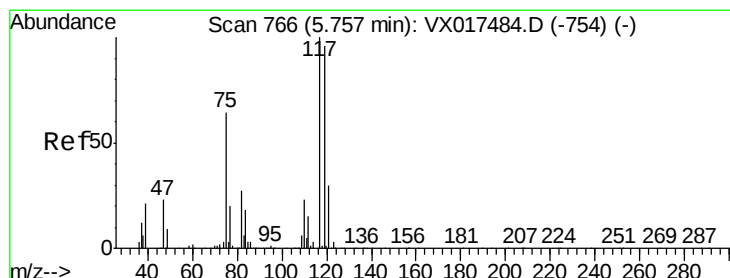
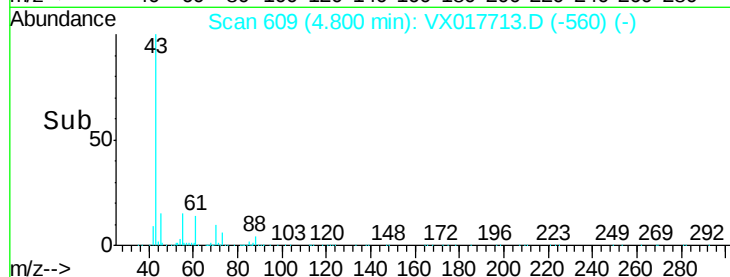
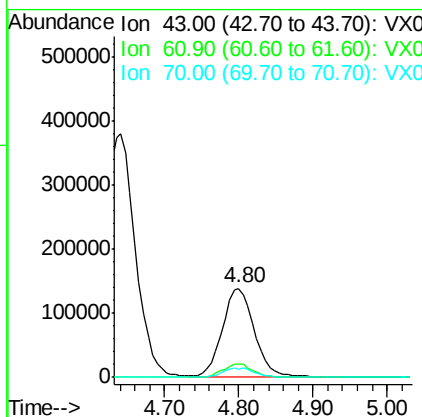
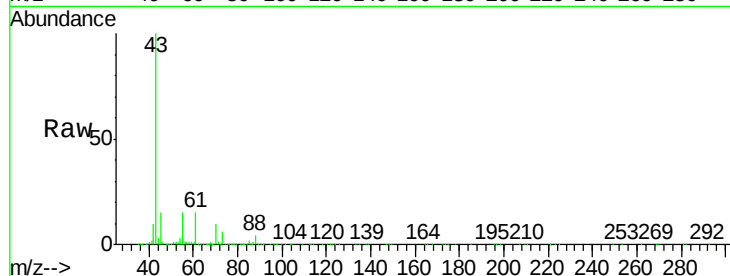
#37
Ethyl Acetate
Concen: 49.070 ug/l
RT: 4.80 min Scan# 609
Delta R.T. -0.00 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.7	16.1
70	10.3	8.5	12.7

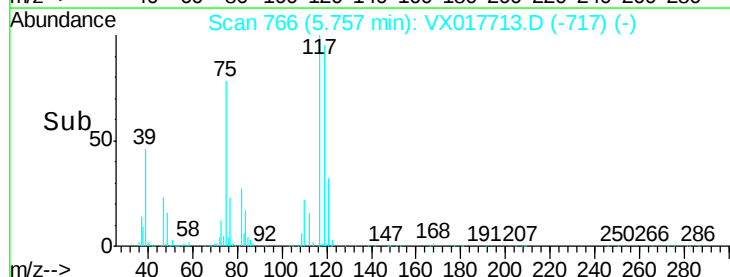
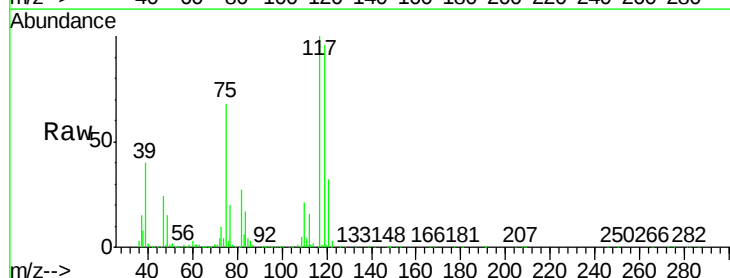
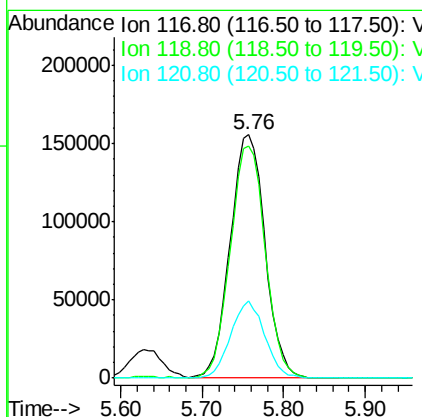
Manual Integrations
APPROVED

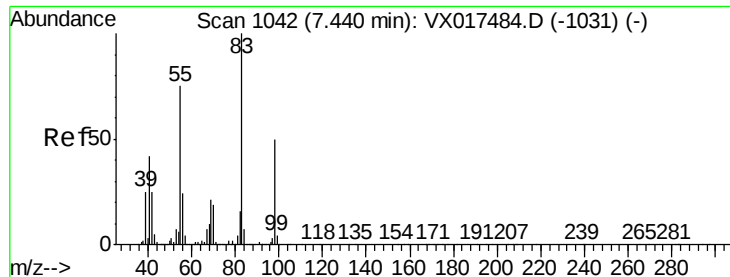
MMDadoda
8/3/2020 5:02:32 PM



#38
Carbon Tetrachloride
Concen: 49.253 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	75.4	113.0
121	31.7	24.3	36.5





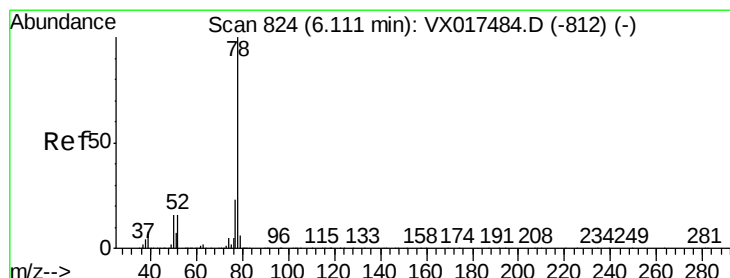
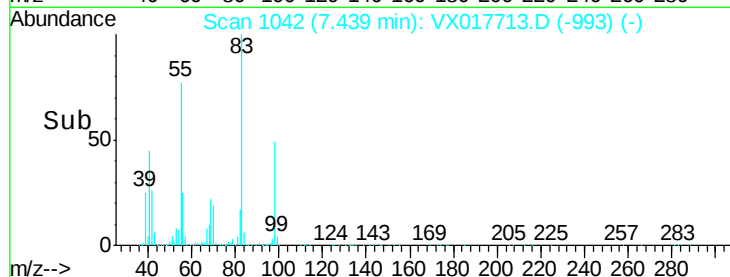
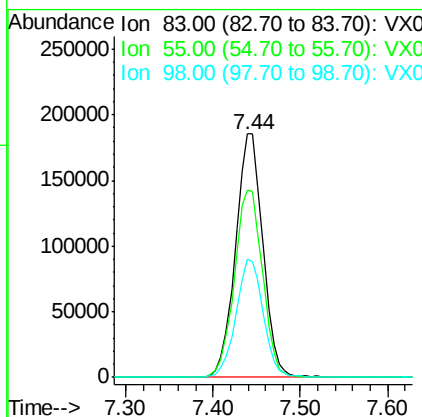
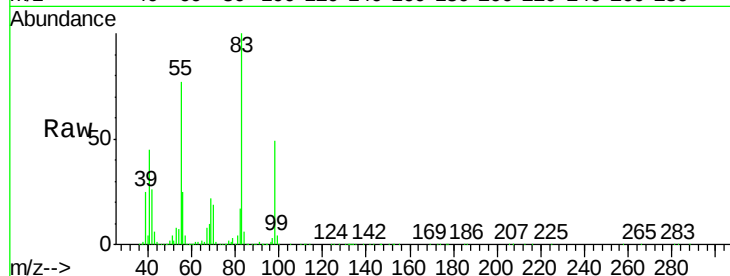
#39
Methvlcvclohexane
Concen: 44.965 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.8	61.8	92.8
98	48.7	36.9	55.3

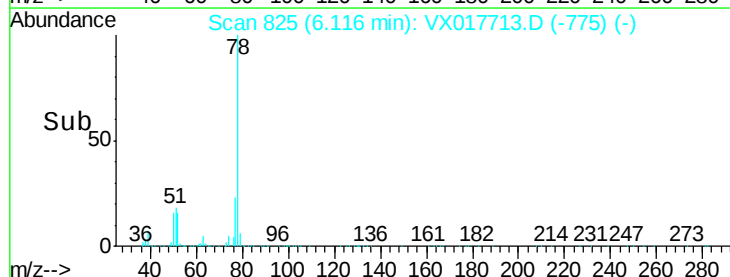
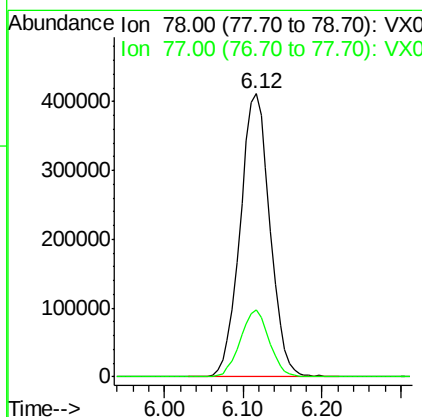
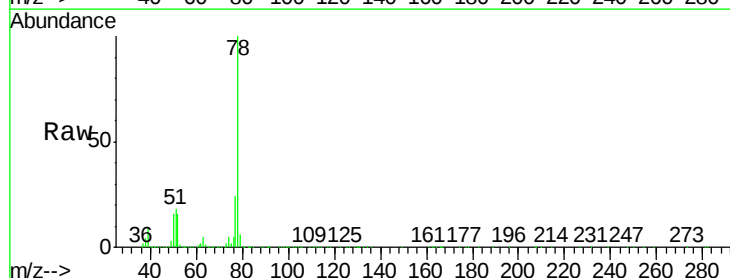
Manual Integrations
APPROVED

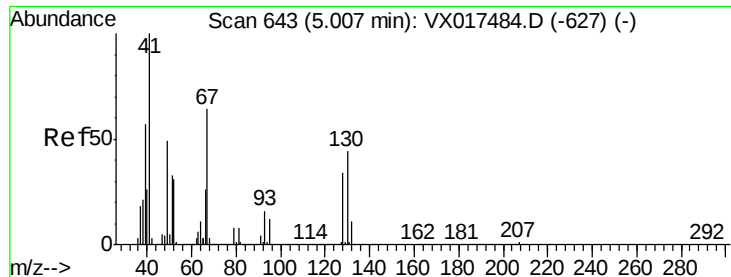
MMDadoda
8/3/2020 5:02:32 PM



#40
Benzene
Concen: 48.949 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.4	29.2





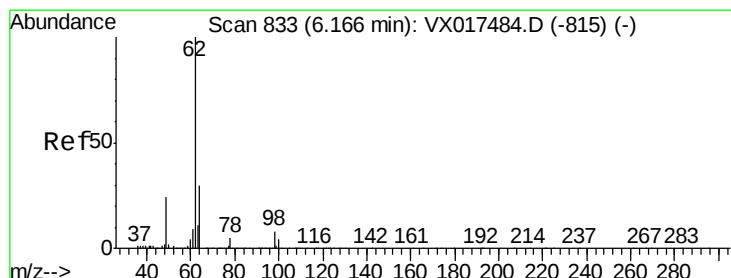
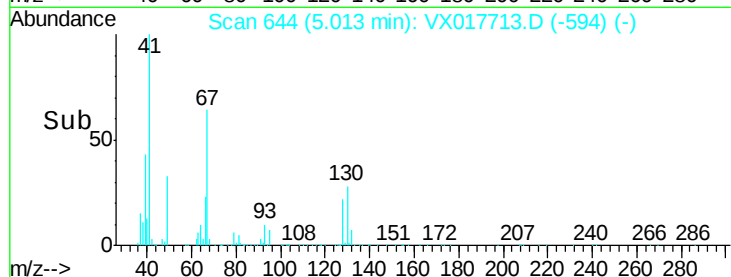
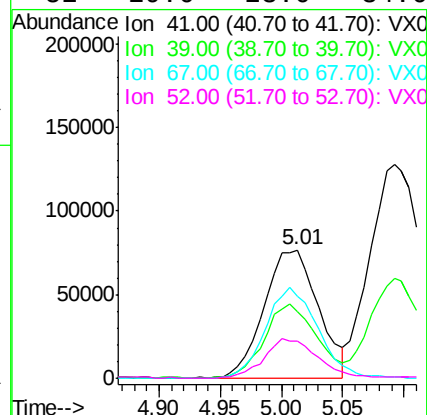
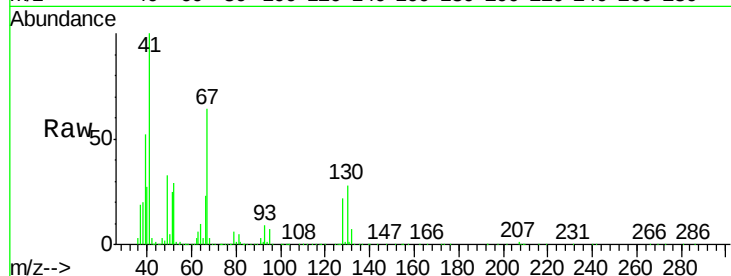
#41
Methacrylonitrile
Concen: 49.160 ug/l
RT: 5.01 min Scan# 644
Delta R.T. 0.01 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.2	43.9	65.9	
67	68.9	54.0	81.0	
52	29.6	23.0	34.6	

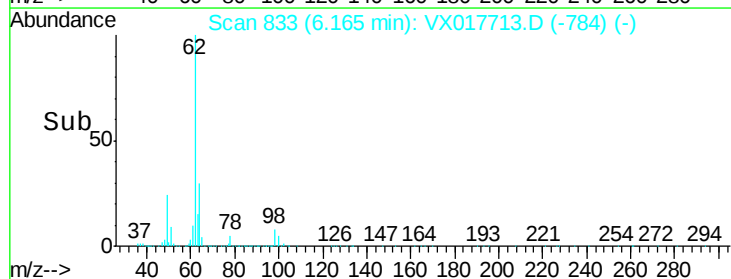
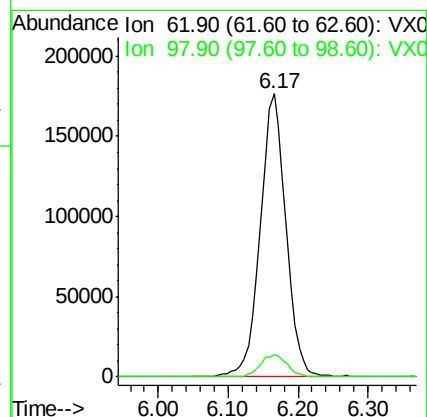
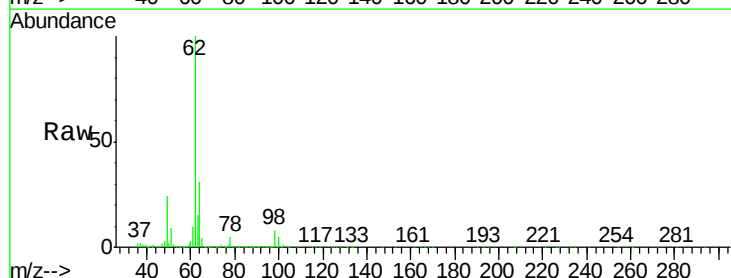
Manual Integrations
APPROVED

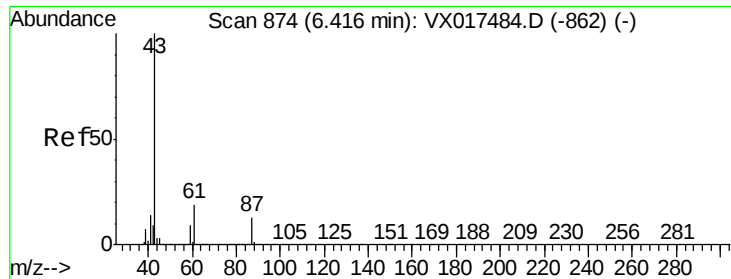
MMDadoda
8/3/2020 5:02:32 PM



#42
1,2-Dichloroethane
Concen: 49.818 ug/l
RT: 6.17 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	0.0	16.0	





#43

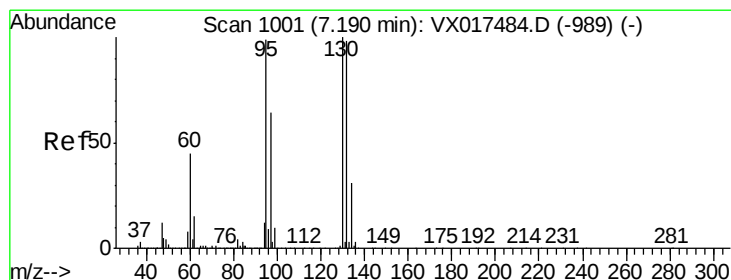
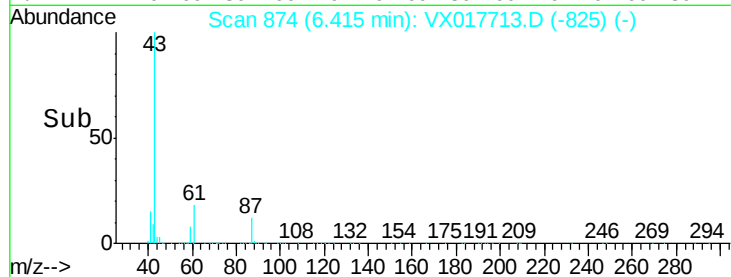
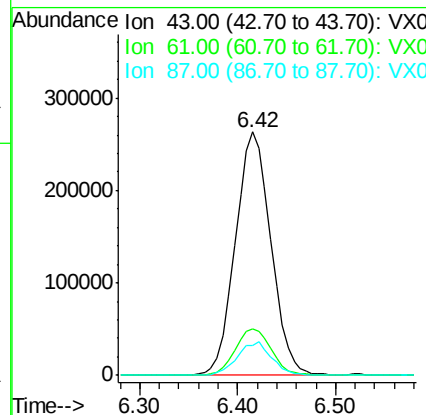
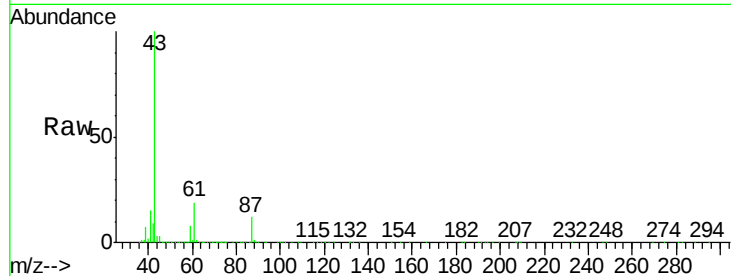
Isopropyl Acetate
 Concen: 47.464 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VX017713.D
 Acq: 31 Jul 2020 19:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.5	23.3
87	13.4	10.5	15.7

Manual Integrations
 APPROVED

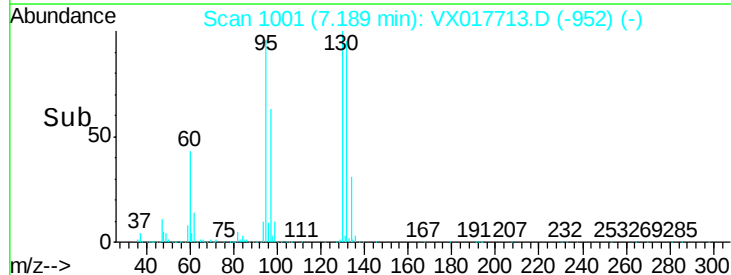
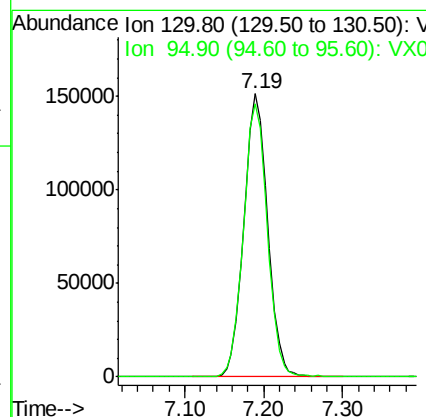
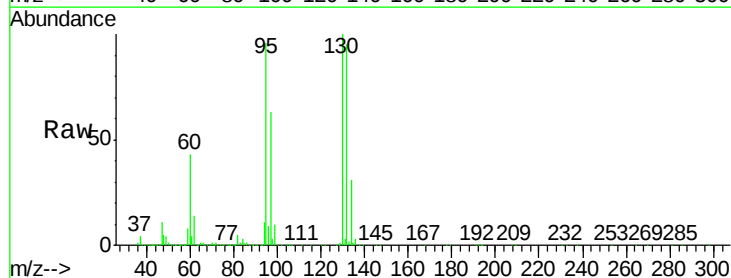
MMDadoda
 8/3/2020 5:02:32 PM

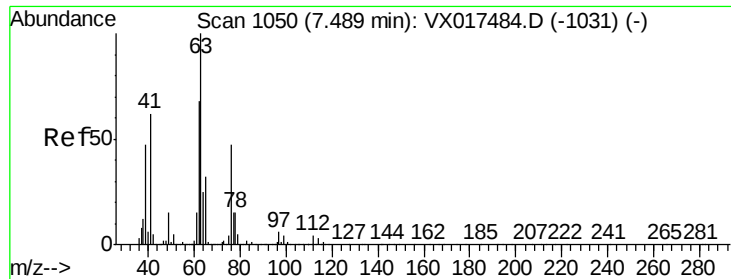


#44

Trichloroethene
 Concen: 49.508 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VX017713.D
 Acq: 31 Jul 2020 19:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	189.0





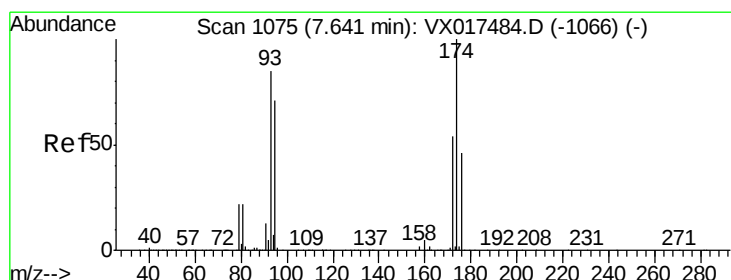
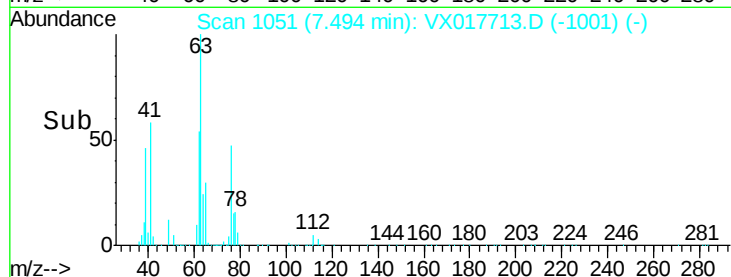
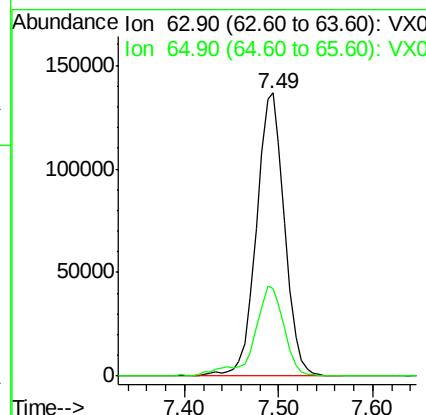
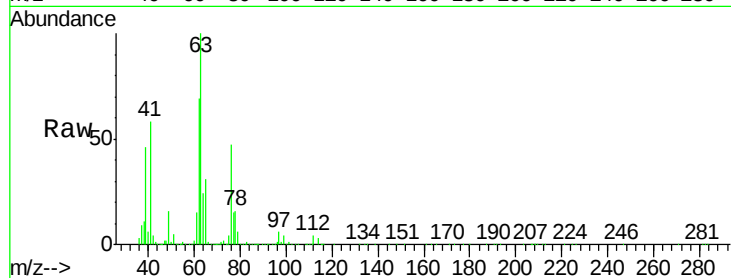
#45
 1,2-Dichloropropane
 Concen: 46.670 ug/l
 RT: 7.49 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VX017713.D
 Acq: 31 Jul 2020 19:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.5	36.7

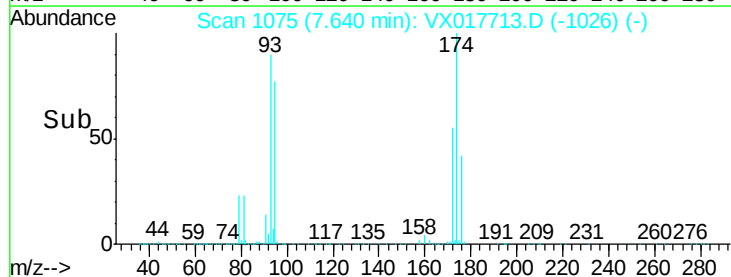
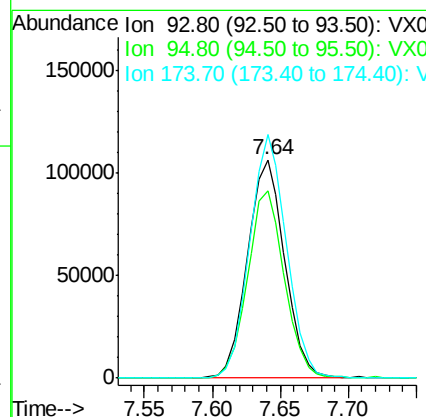
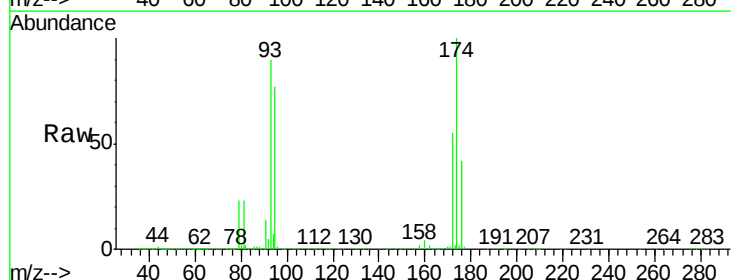
Manual Integrations
 APPROVED

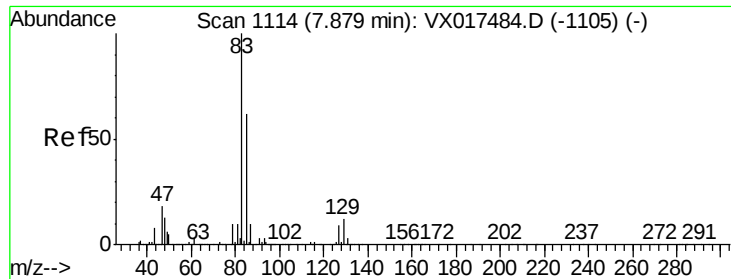
MMDadoda
 8/3/2020 5:02:32 PM



#46
 Dibromomethane
 Concen: 47.341 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VX017713.D
 Acq: 31 Jul 2020 19:40

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.0	66.6	99.8
174	109.9	87.0	130.6





#47

Bromodichloromethane

Concen: 49.720 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX017713.D

Acq: 31 Jul 2020 19:40

Instrument :

MSVOA_X

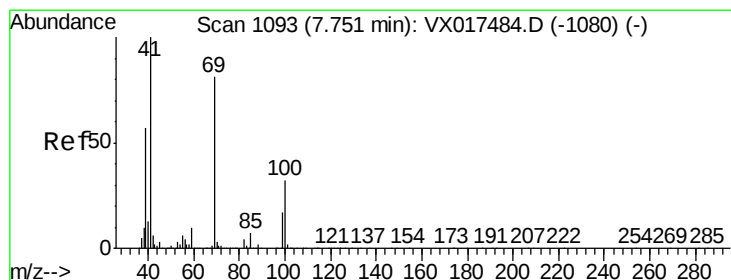
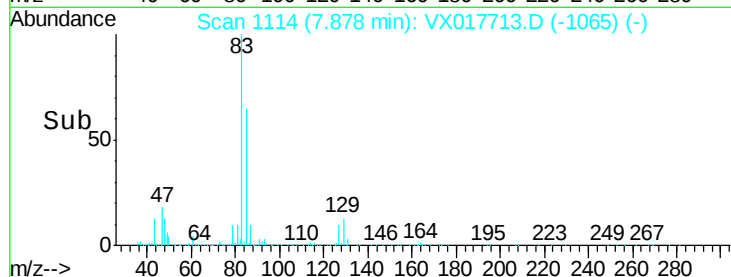
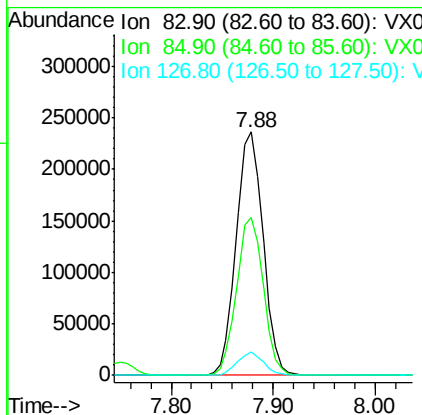
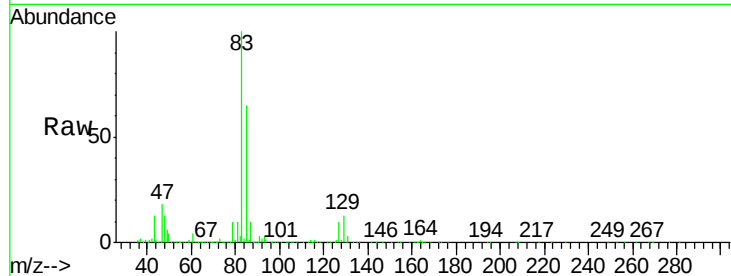
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	431701
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.8
127	9.6	7.4	11.2

Manual Integrations
APPROVED

MMDadoda
8/3/2020 5:02:32 PM



#48

Methyl methacrylate

Concen: 48.551 ug/l

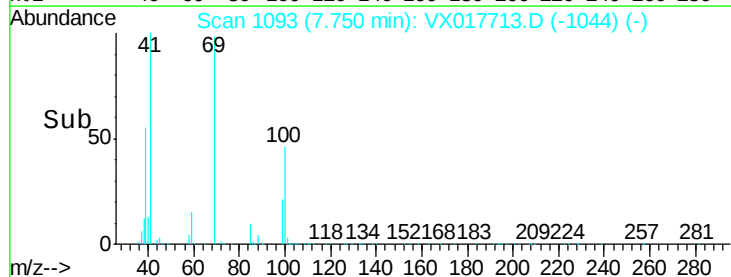
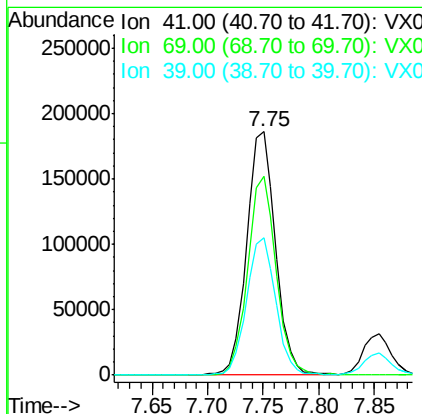
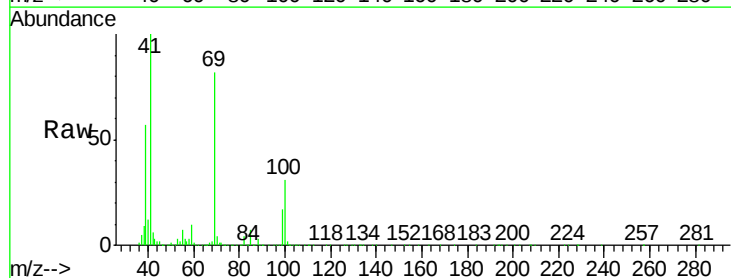
RT: 7.75 min Scan# 1093

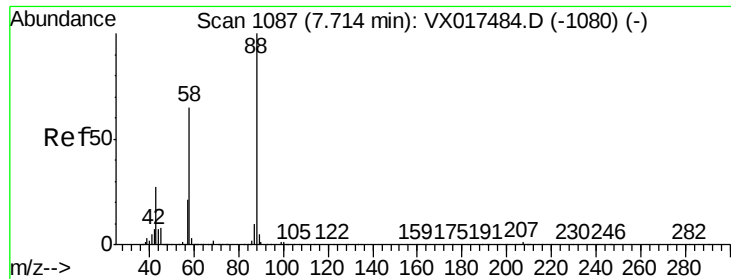
Delta R.T. -0.00 min

Lab File: VX017713.D

Acq: 31 Jul 2020 19:40

Tgt Ion:	41	Resp:	333792
Ion	Ratio	Lower	Upper
41	100		
69	81.5	63.1	94.7
39	57.2	45.1	67.7





#49

1,4-Dioxane

Concen: 1003.358 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX017713.D

Acq: 31 Jul 2020 19:40

Instrument :

MSVOA_X

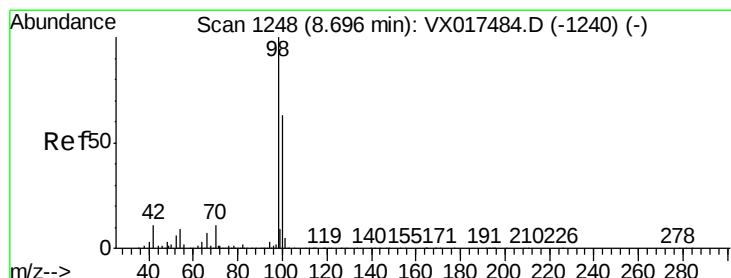
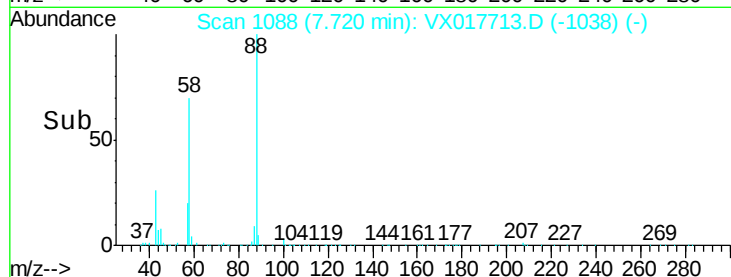
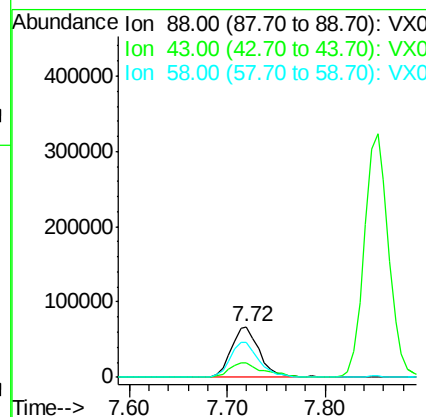
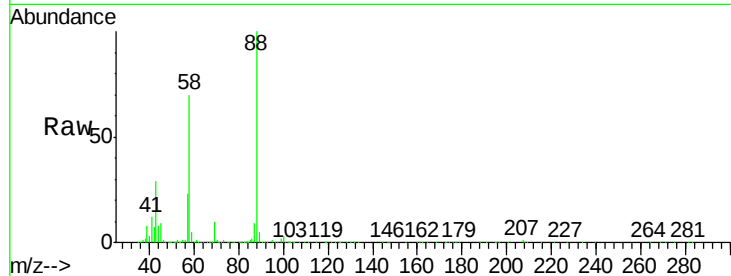
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	132253
Ion	Ratio	Lower	Upper
88	100		
43	35.0	27.8	41.6
58	72.7	58.3	87.5

Manual Integrations
APPROVED

MMDadoda
8/3/2020 5:02:32 PM



#50

Toluene-d8

Concen: 53.073 ug/l

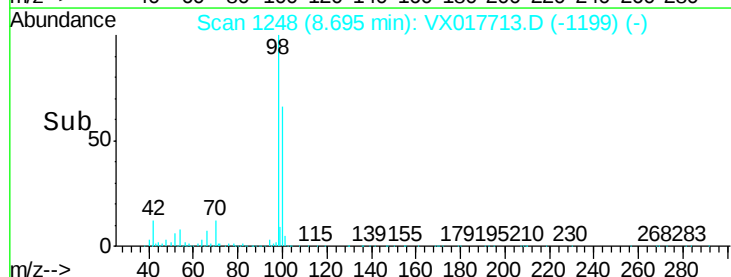
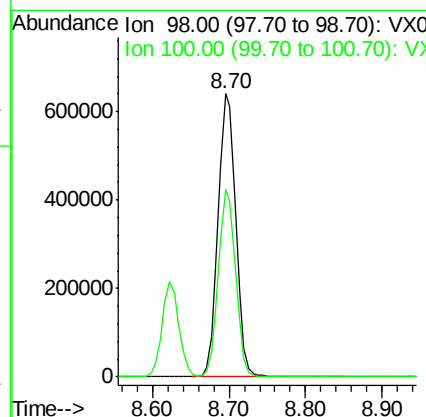
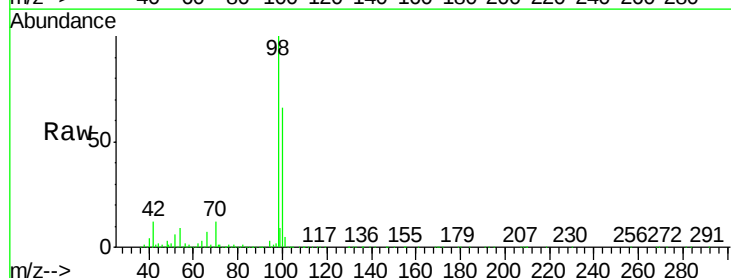
RT: 8.70 min Scan# 1248

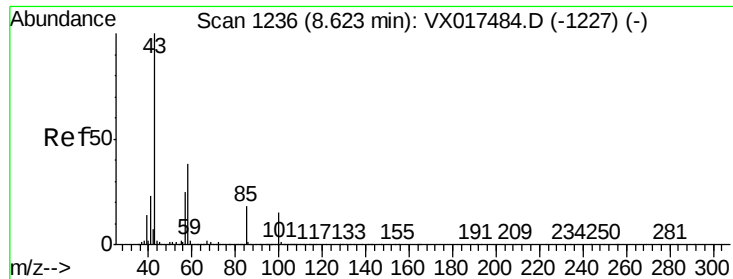
Delta R.T. -0.00 min

Lab File: VX017713.D

Acq: 31 Jul 2020 19:40

Tgt Ion:	98	Resp:	1025736
Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 263.790 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX017713.D

Acq: 31 Jul 2020 19:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2182978

Ion Ratio Lower Upper

43 100

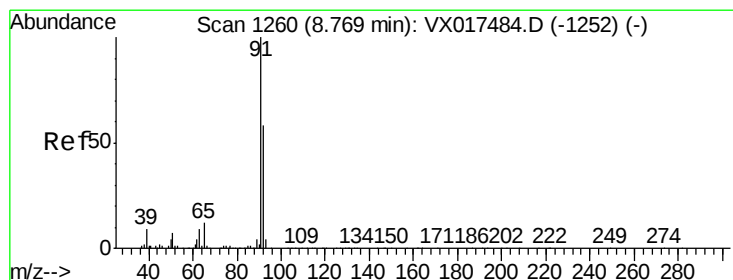
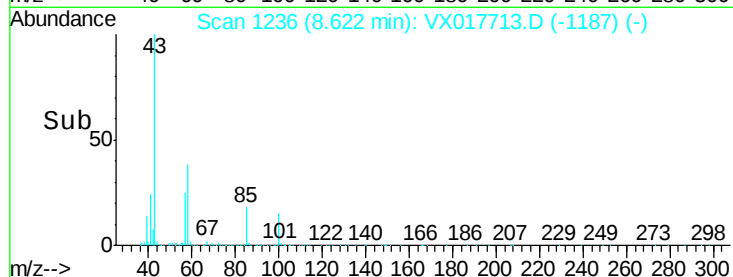
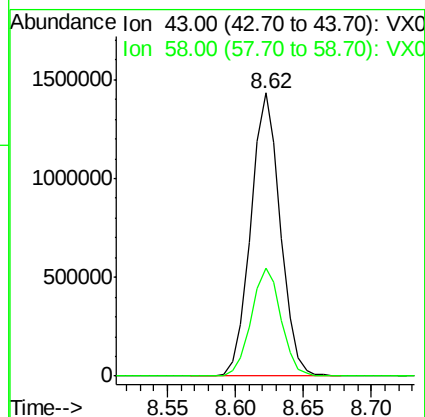
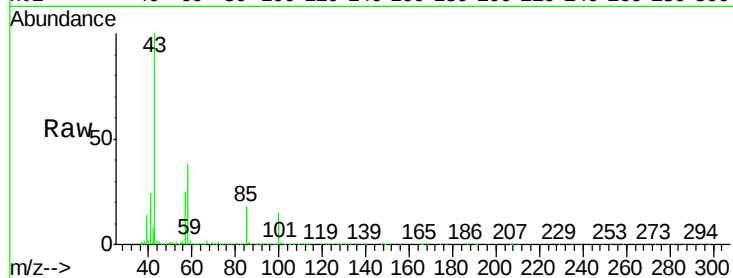
58 38.6 31.0 46.4

Manual Integrations

APPROVED

MMDadoda

8/3/2020 5:02:32 PM



#52

Toluene

Concen: 49.598 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX017713.D

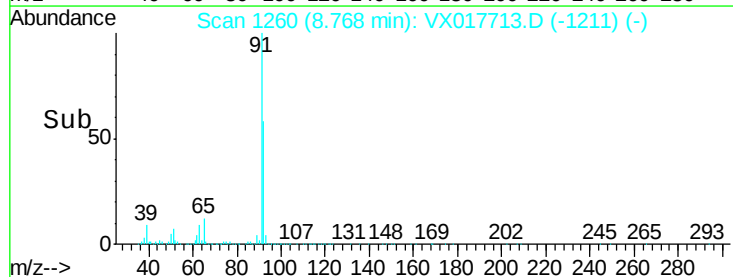
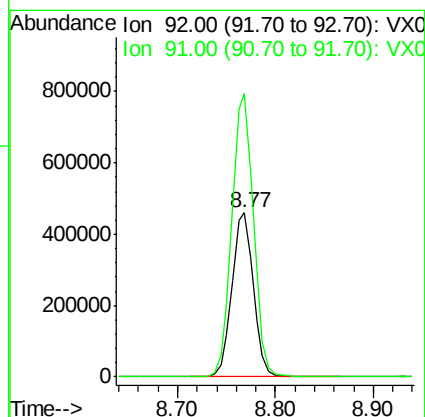
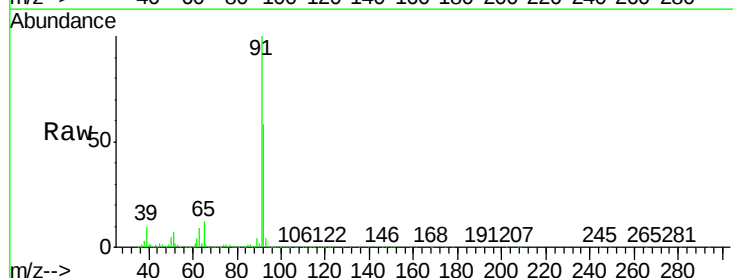
Acq: 31 Jul 2020 19:40

Tgt Ion: 92 Resp: 700614

Ion Ratio Lower Upper

92 100

91 174.1 137.6 206.4





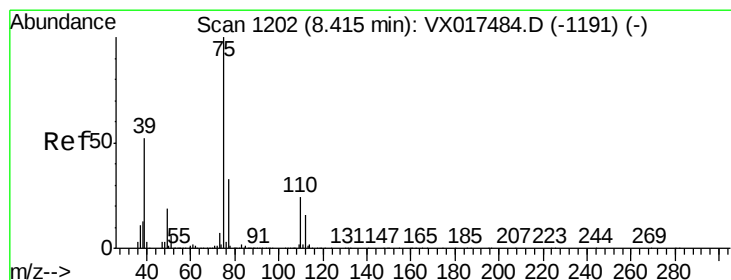
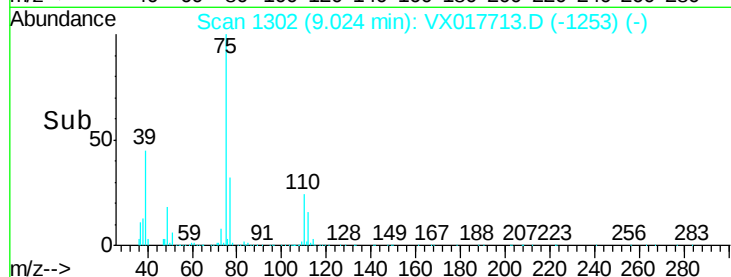
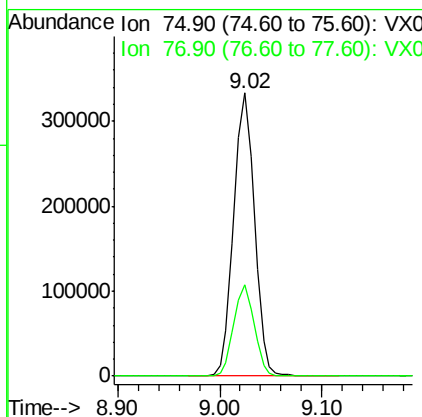
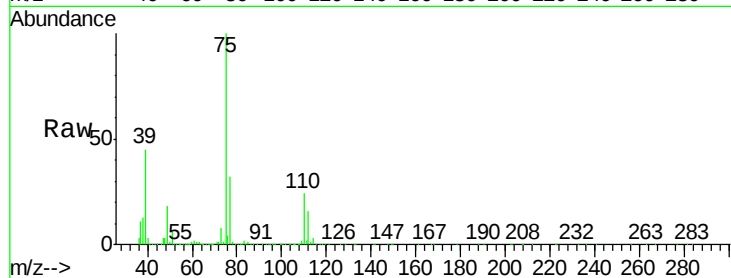
#53
t-1,3-Dichloropropene
Concen: 48.325 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.5	38.3

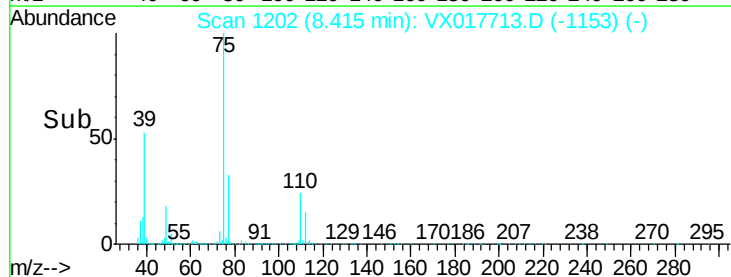
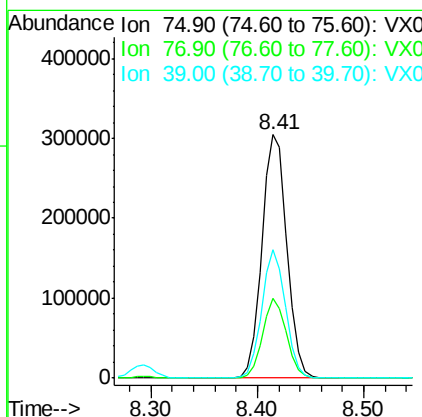
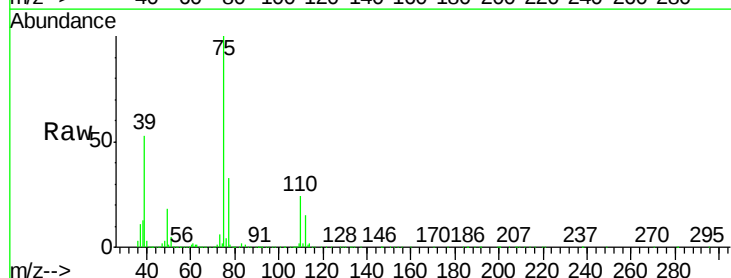
Manual Integrations
APPROVED

MMDadoda
8/3/2020 5:02:32 PM



#54
cis-1,3-Dichloropropene
Concen: 50.310 ug/l
RT: 8.41 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.5	38.3
39	52.7	41.8	62.8





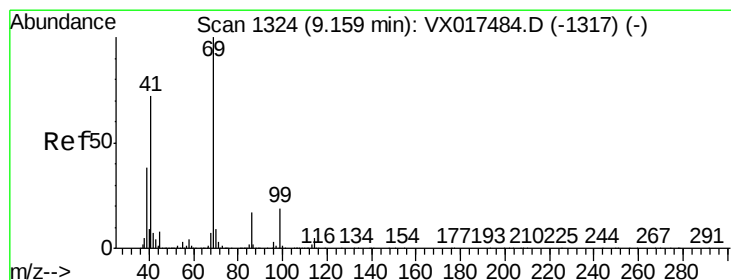
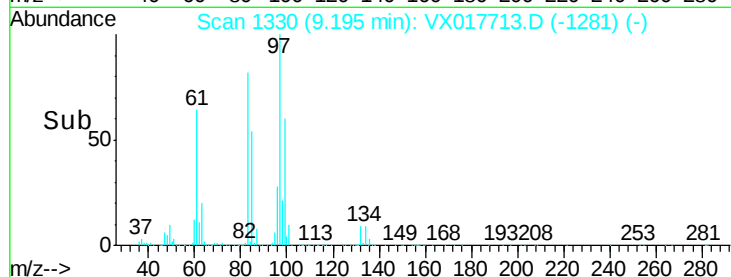
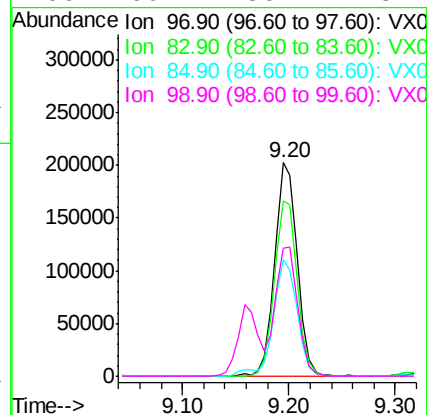
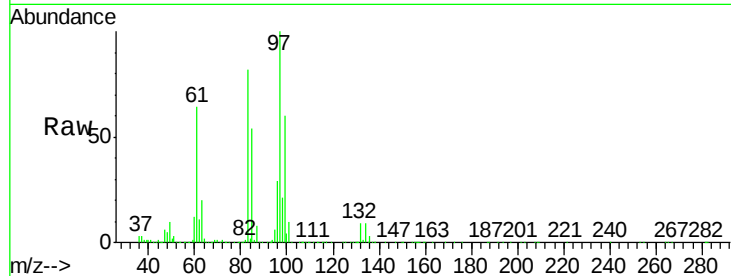
#55
 1,1,2-Trichloroethane
 Concen: 51.114 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX017713.D
 Acq: 31 Jul 2020 19:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		300774		
83	82.1	67.6	101.4		
85	54.4	44.6	67.0		
99	60.1	50.2	75.4		

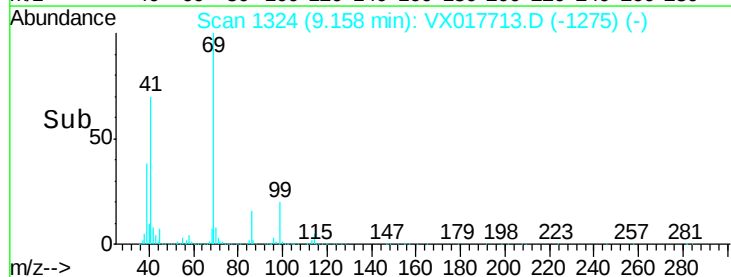
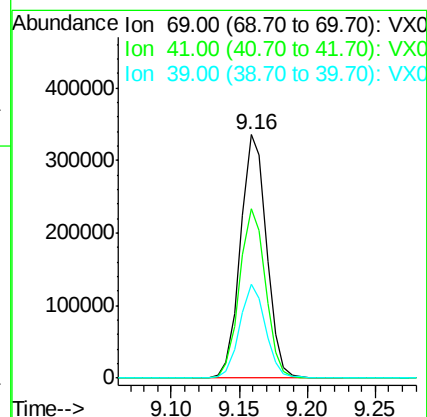
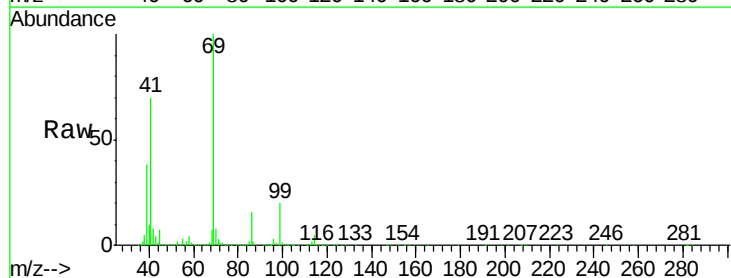
Manual Integrations
 APPROVED

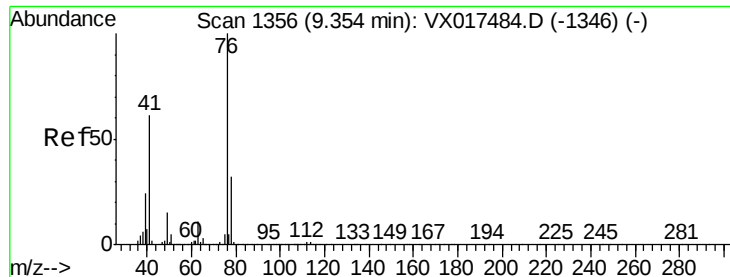
MMDadoda
 8/3/2020 5:02:32 PM



#56
 Ethyl methacrylate
 Concen: 50.693 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX017713.D
 Acq: 31 Jul 2020 19:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		449415		
41	69.2	55.0	82.6		
39	38.3	30.0	45.0		





#57

1,3-Dichloropropane

Concen: 50.304 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX017713.D

Acq: 31 Jul 2020 19:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 487418

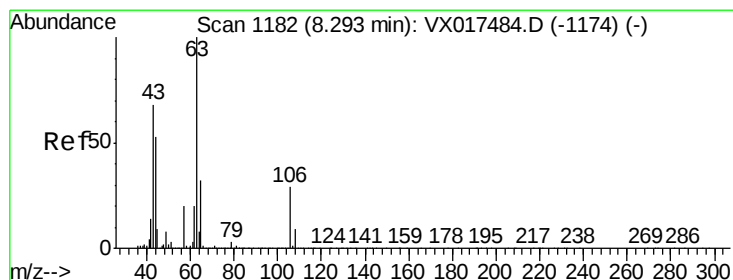
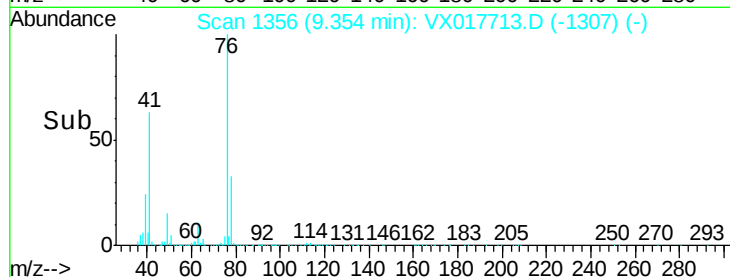
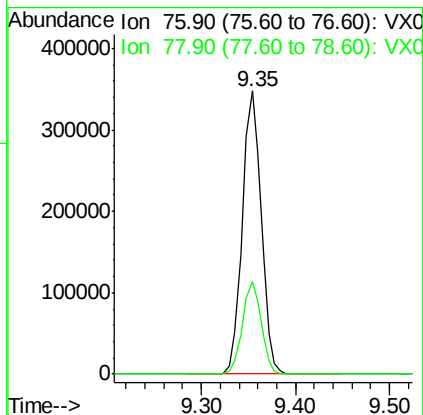
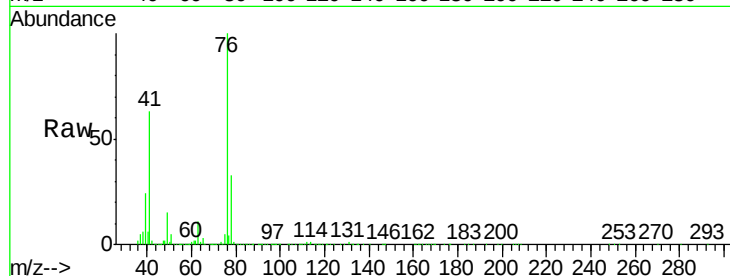
Ion Ratio Lower Upper

76 100

78 32.7 25.8 38.8

Manual Integrations
APPROVED

MMDadoda
8/3/2020 5:02:32 PM



#58

2-Chloroethyl Vinyl ether

Concen: 248.875 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX017713.D

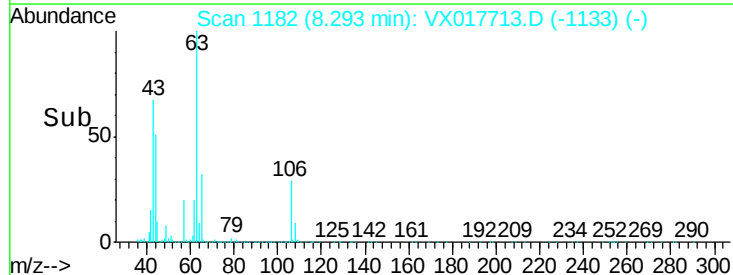
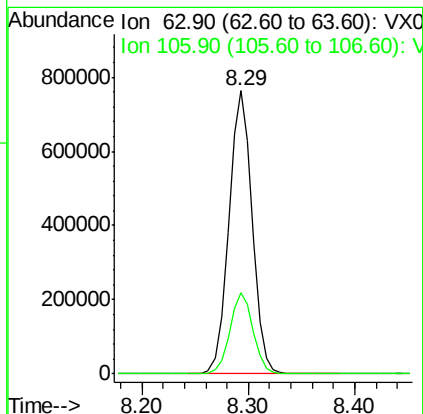
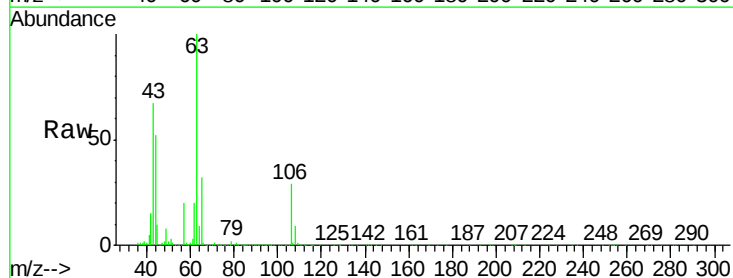
Acq: 31 Jul 2020 19:40

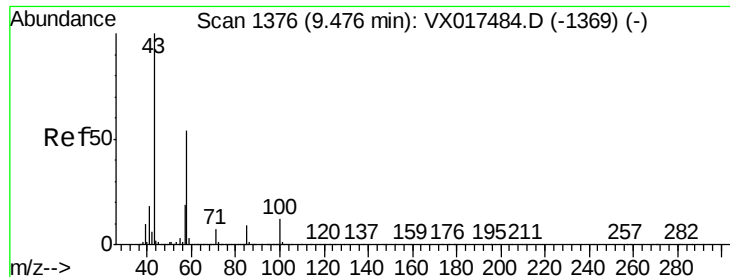
Tgt Ion: 63 Resp: 1162413

Ion Ratio Lower Upper

63 100

106 28.6 22.6 34.0





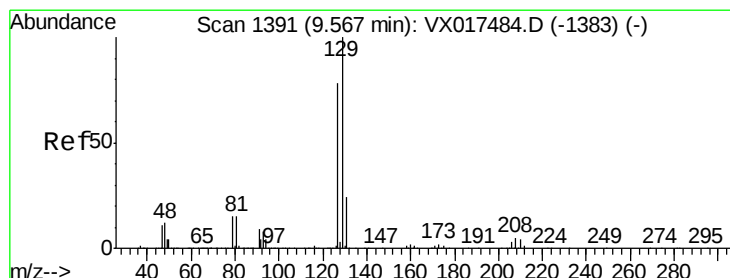
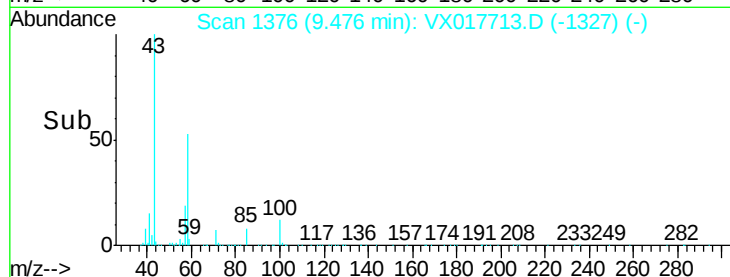
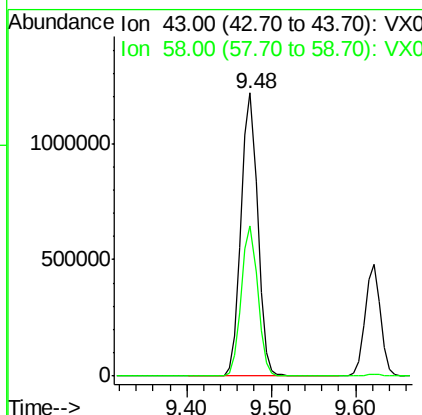
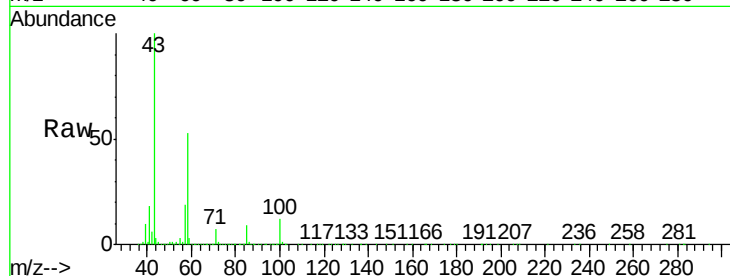
#59
2-Hexanone
Concen: 257.191 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1602422
Ion Ratio Lower Upper
43 100
58 52.6 26.6 79.8

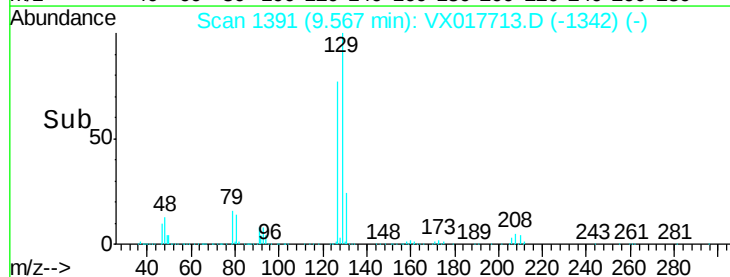
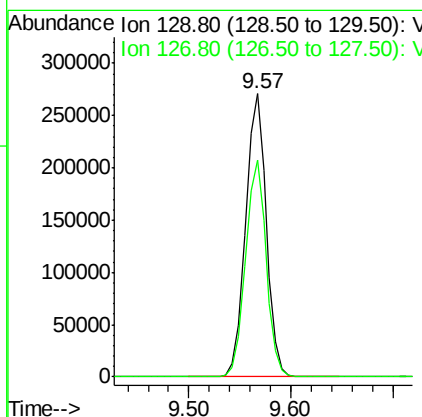
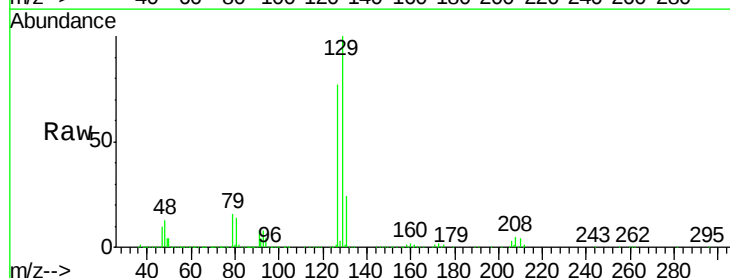
Manual Integrations
APPROVED

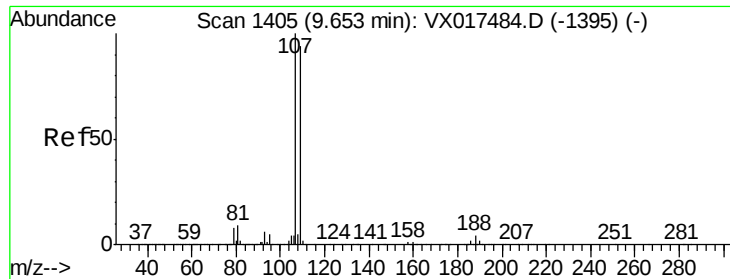
MMDadoda
8/3/2020 5:02:32 PM



#60
Dibromochloromethane
Concen: 50.905 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Tgt Ion: 129 Resp: 380726
Ion Ratio Lower Upper
129 100
127 76.5 38.4 115.1





#61

1,2-Dibromoethane

Concen: 52.197 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX017713.D

Acq: 31 Jul 2020 19:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 327009

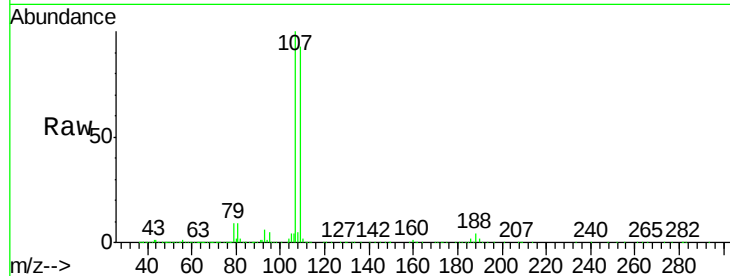
Ion Ratio Lower Upper

107 100

109 95.8 74.9 112.3

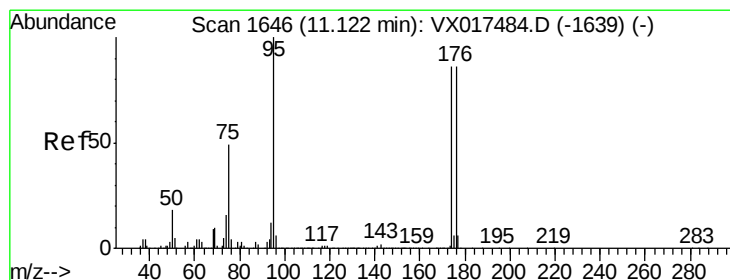
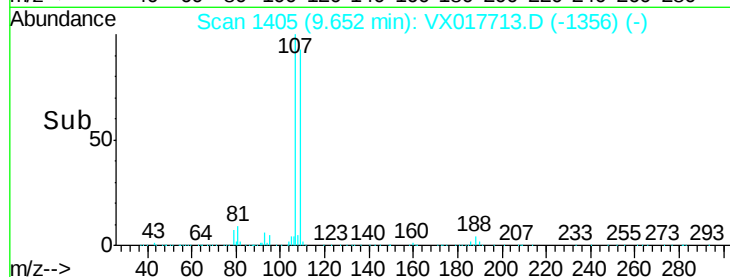
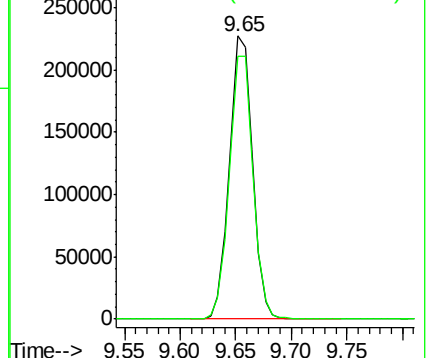
Manual Integrations
APPROVED

MMDadoda
8/3/2020 5:02:32 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.615 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017713.D

Acq: 31 Jul 2020 19:40

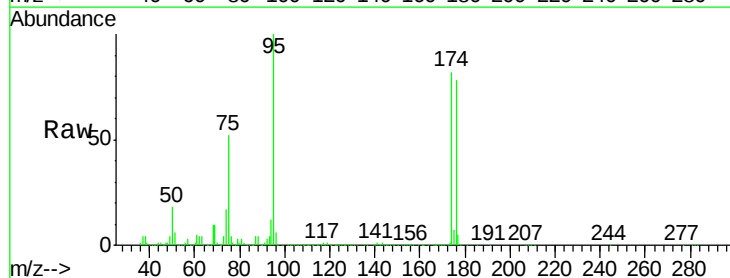
Tgt Ion: 95 Resp: 422425

Ion Ratio Lower Upper

95 100

174 83.4 0.0 169.0

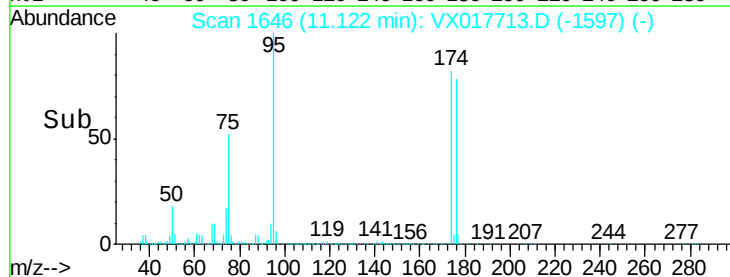
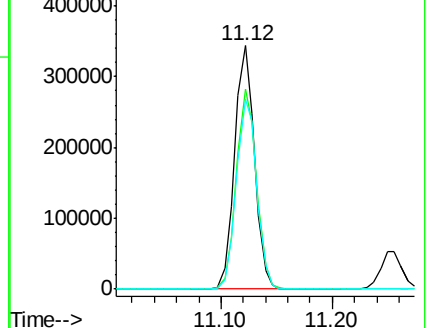
176 80.3 0.0 161.0

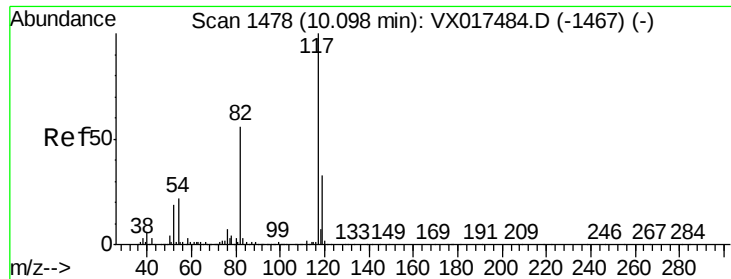


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





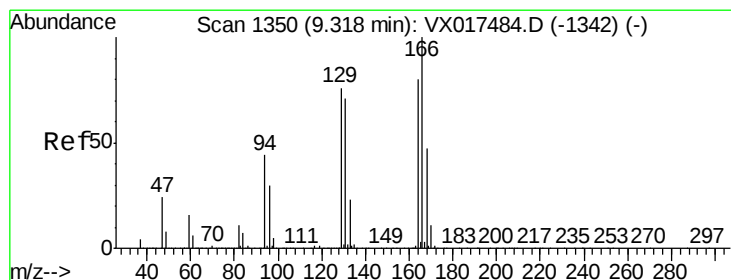
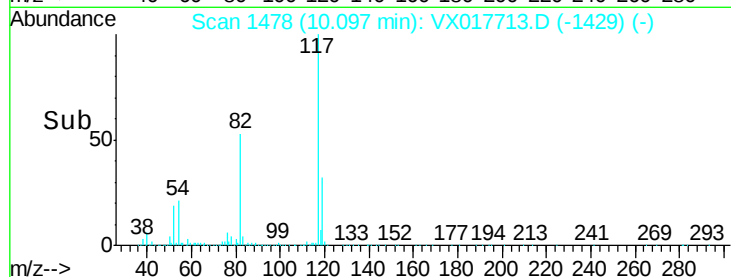
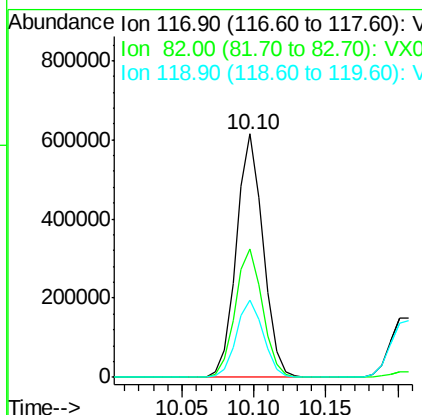
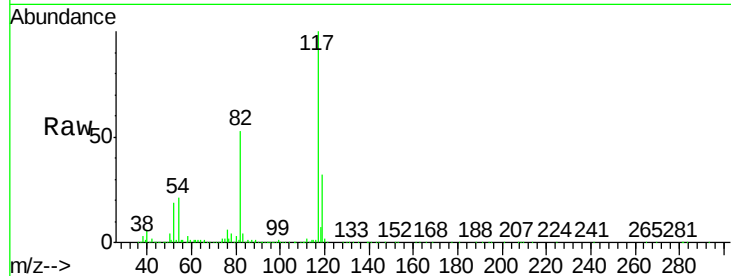
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	44.0	66.0
119	31.7	25.4	38.0

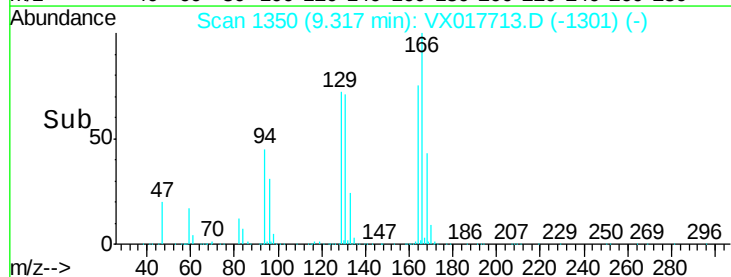
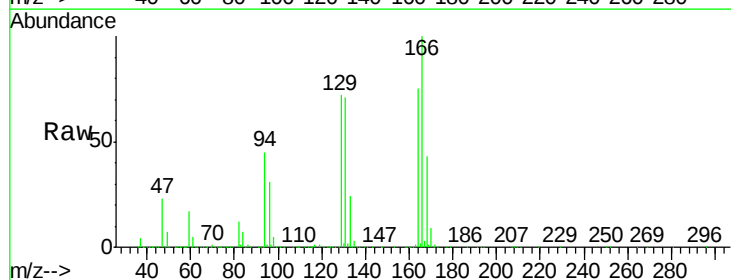
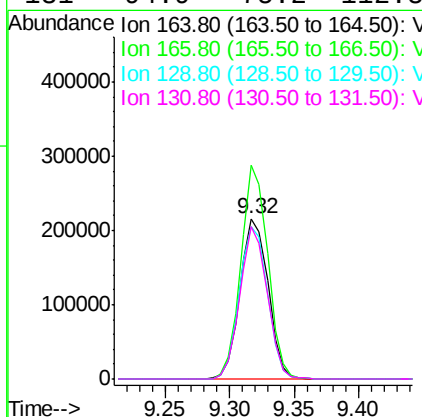
Manual Integrations
APPROVED

MMDadoda
8/3/2020 5:02:32 PM



#64
Tetrachloroethene
Concen: 45.697 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.3	100.6	150.8
129	95.4	75.0	112.6
131	94.9	75.2	112.8





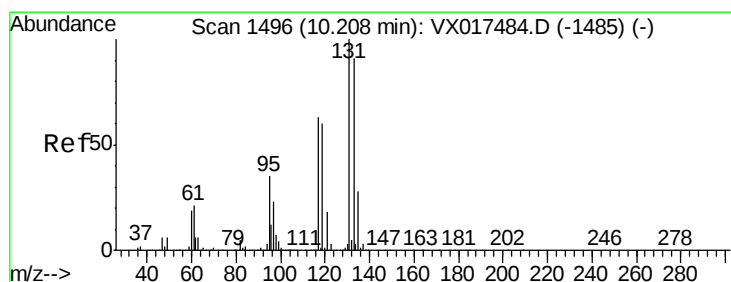
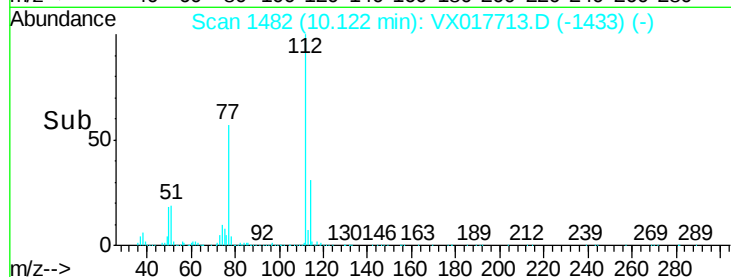
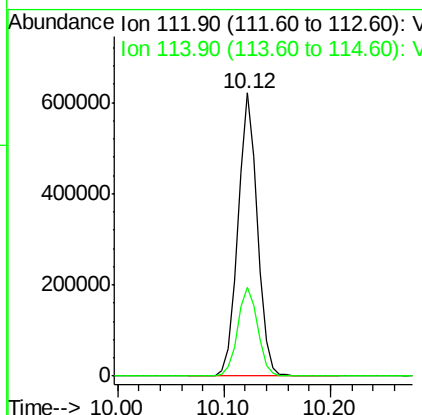
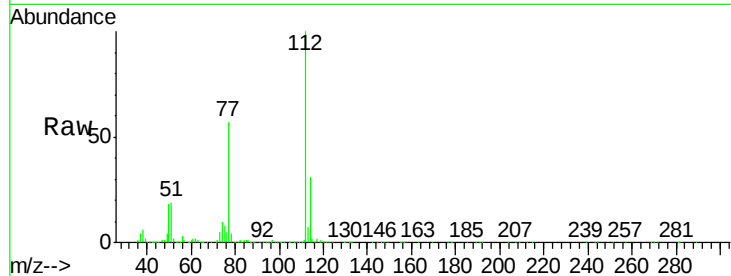
#65
Chlorobenzene
Concen: 46.169 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 793682
Ion Ratio Lower Upper
112 100
114 31.3 25.7 38.5

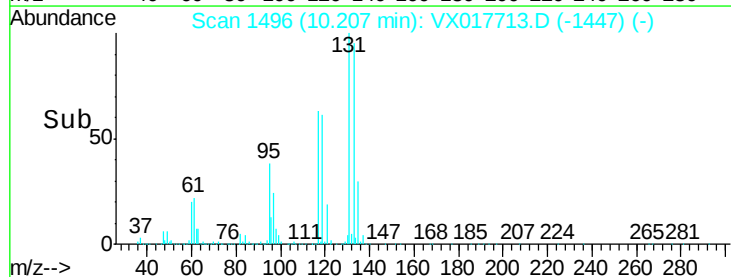
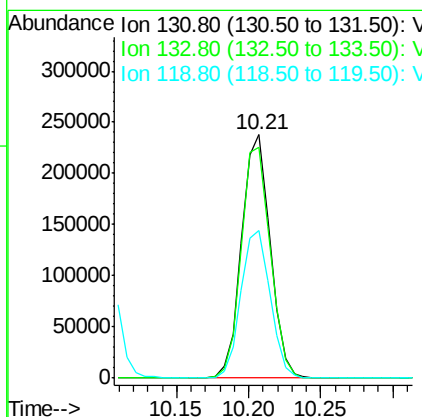
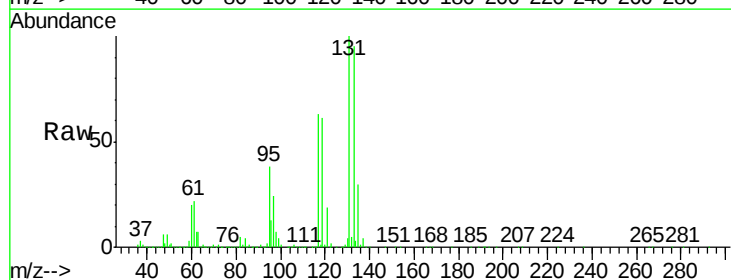
Manual Integrations
APPROVED

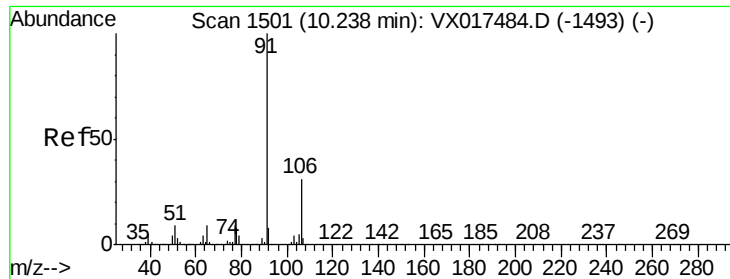
MMDadoda
8/3/2020 5:02:32 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.038 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. -0.00 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Tgt Ion:131 Resp: 326346
Ion Ratio Lower Upper
131 100
133 96.9 47.9 143.6
119 62.3 31.1 93.3





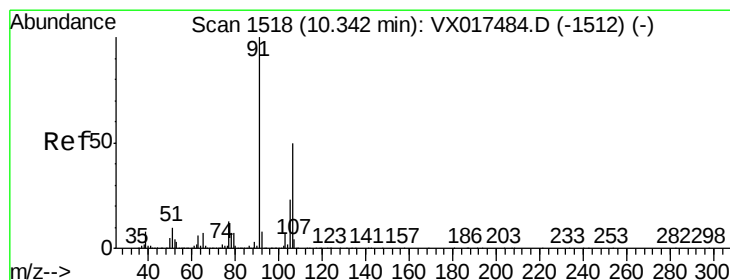
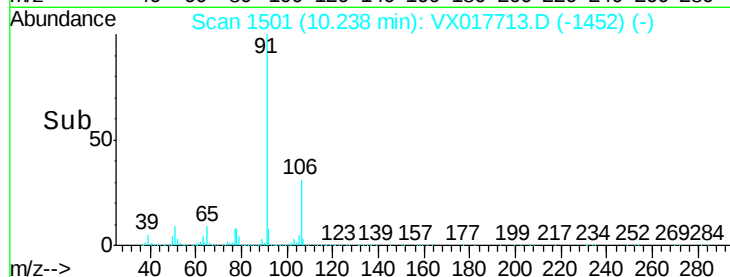
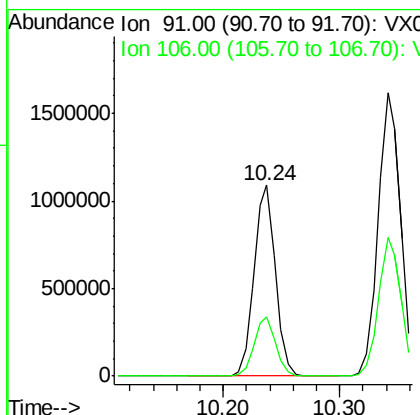
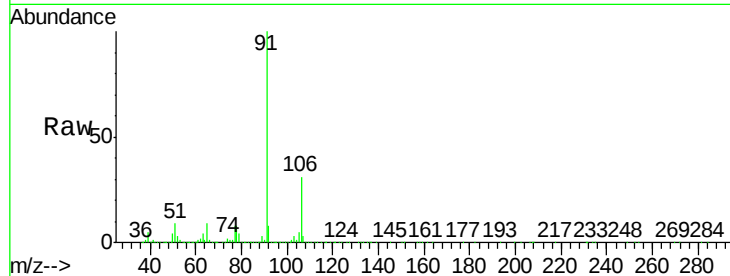
#67
Ethyl Benzene
Concen: 48.280 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1385423
Ion Ratio Lower Upper
91 100
106 30.9 25.8 38.6

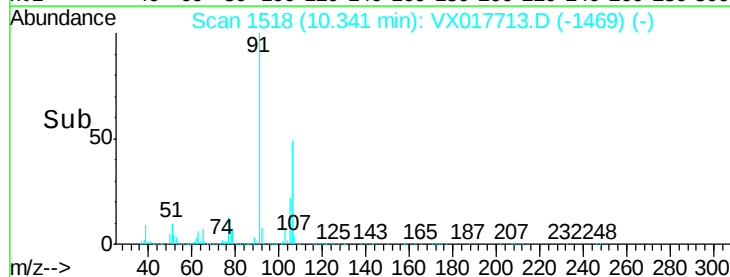
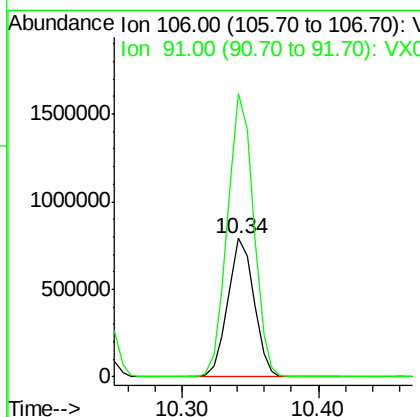
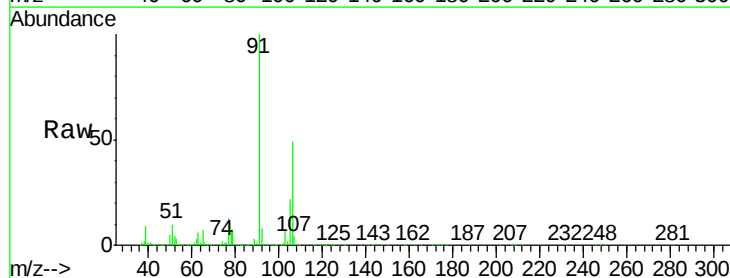
Manual Integrations
APPROVED

MMDadoda
8/3/2020 5:02:32 PM



#68
m/p-Xylenes
Concen: 95.172 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Tgt Ion: 106 Resp: 1057991
Ion Ratio Lower Upper
106 100
91 204.3 160.9 241.3





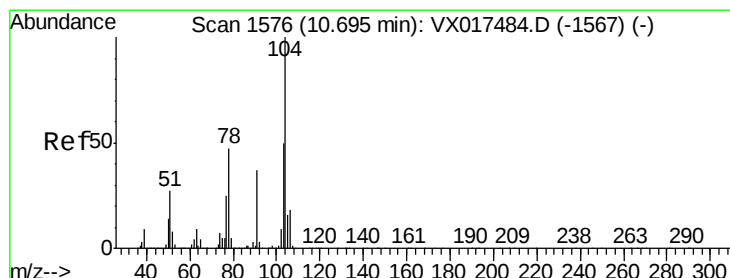
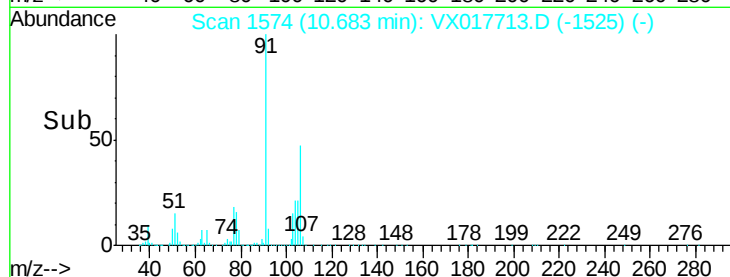
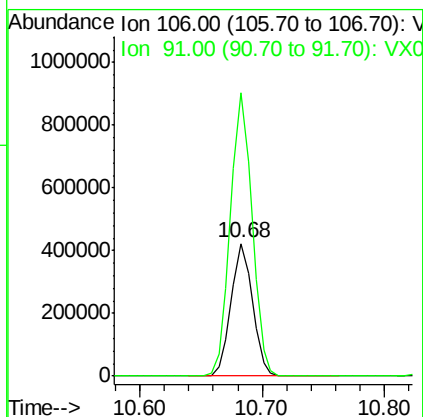
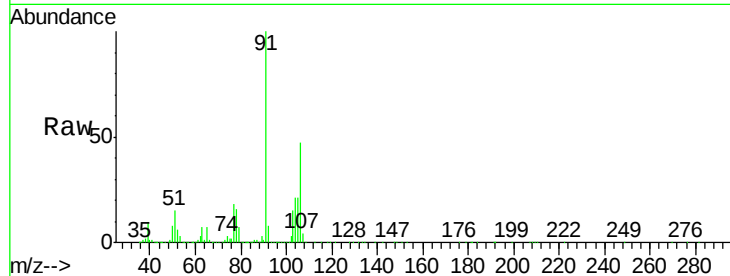
#69
o-Xylene
Concen: 48.036 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.3	108.2	324.6

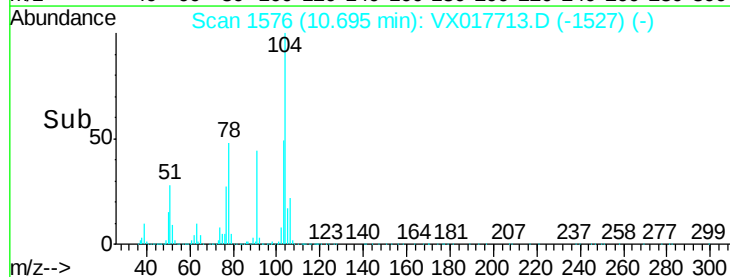
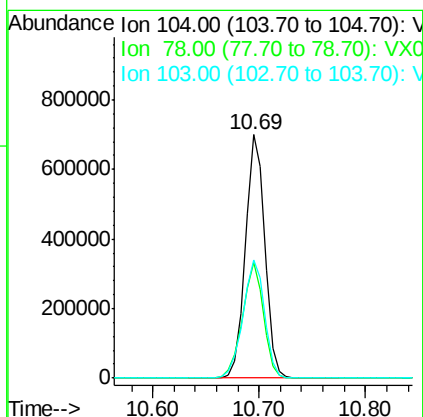
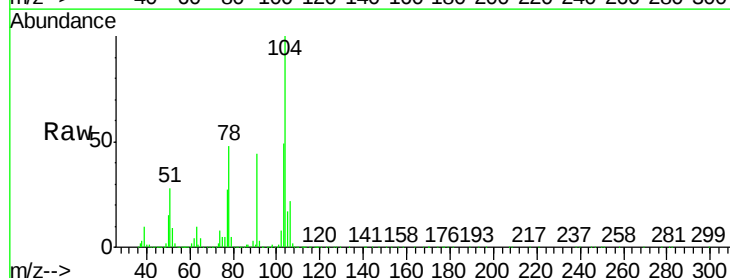
Manual Integrations
APPROVED

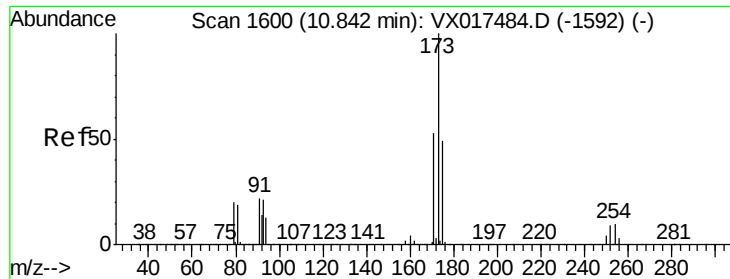
MMDadoda
8/3/2020 5:02:32 PM



#70
Styrene
Concen: 49.469 ug/l
RT: 10.69 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.4	42.5	63.7
103	54.1	44.3	66.5





#71

Bromoform

Concen: 46.855 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX017713.D

Acq: 31 Jul 2020 19:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 281638

Ion Ratio Lower Upper

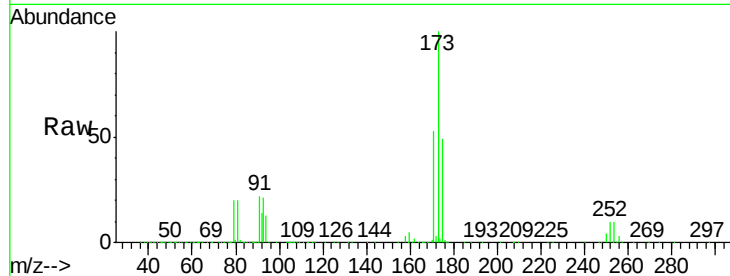
173 100

175 48.7 23.8 71.5

254 0.2 0.1 0.1#

Manual Integrations
APPROVED

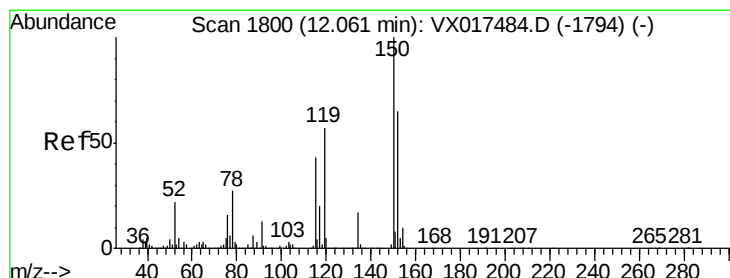
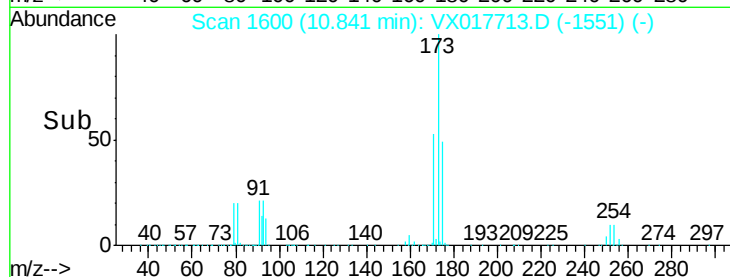
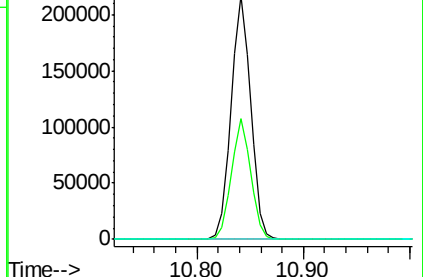
MMDadoda
8/3/2020 5:02:32 PM



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: 12.07 min Scan# 1801

Delta R.T. 0.01 min

Lab File: VX017713.D

Acq: 31 Jul 2020 19:40

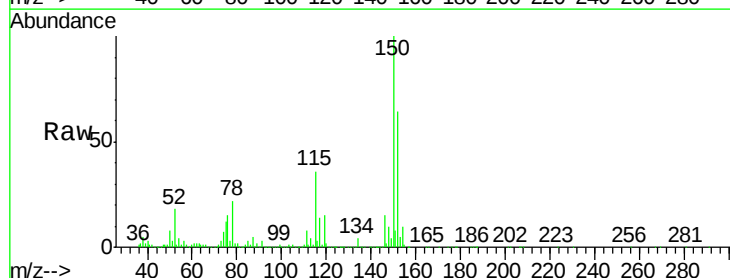
Tgt Ion:152 Resp: 431218

Ion Ratio Lower Upper

152 100

115 80.6 65.5 196.6

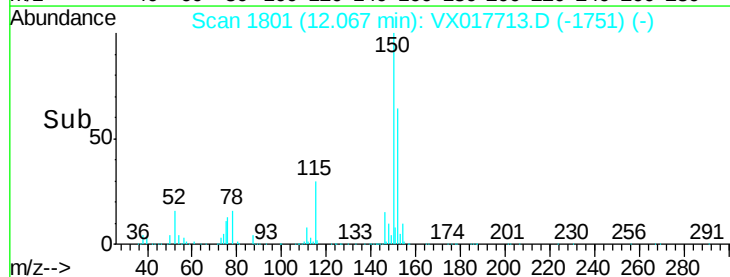
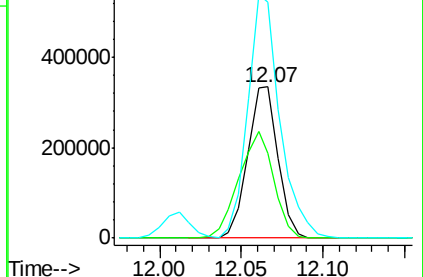
150 171.4 0.0 412.6

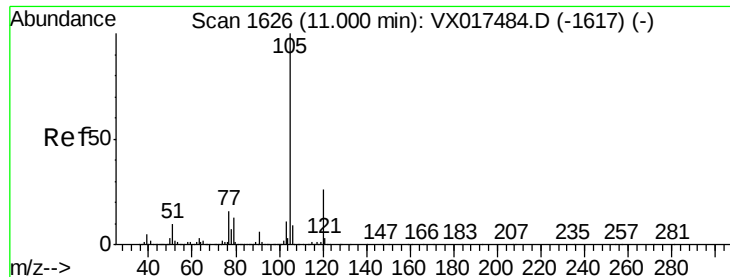


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.350 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX017713.D

Acq: 31 Jul 2020 19:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 1400709

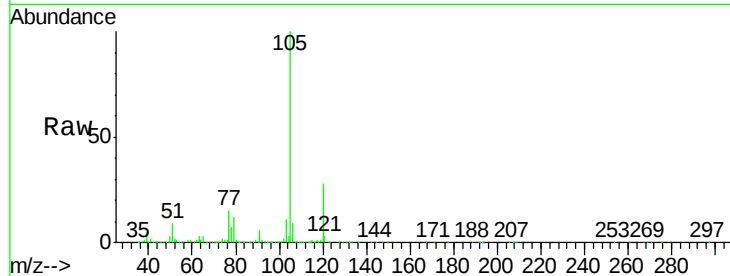
Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8

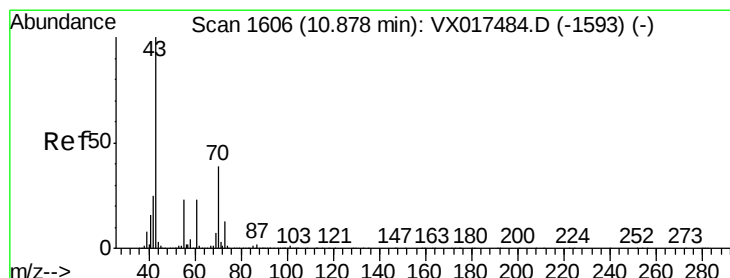
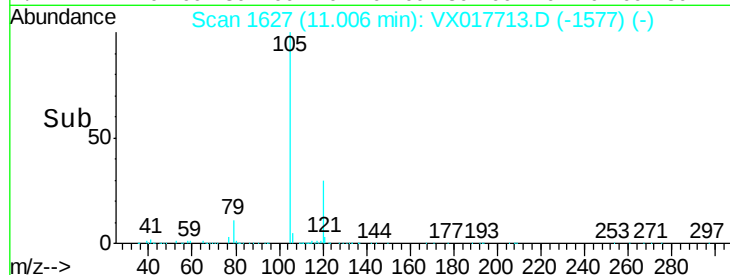
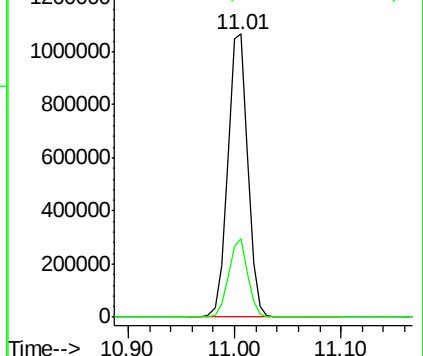
Manual Integrations
APPROVED

MMDadoda
8/3/2020 5:02:32 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.444 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX017713.D

Acq: 31 Jul 2020 19:40

Tgt Ion: 43 Resp: 597300

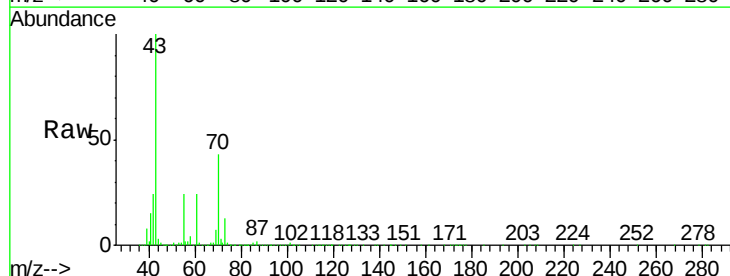
Ion Ratio Lower Upper

43 100

70 41.2 32.3 48.5

55 23.7 18.4 27.6

61 23.9 18.6 28.0

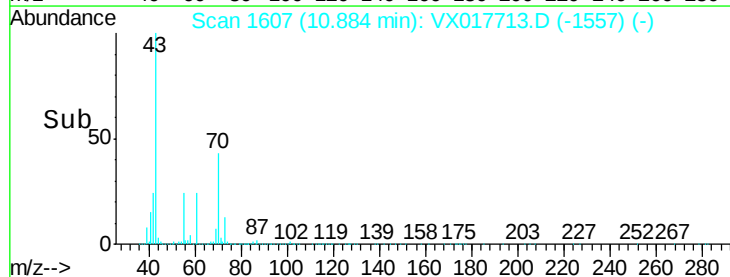
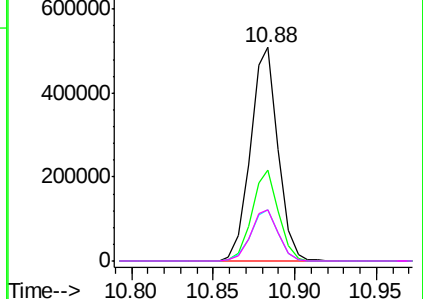


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.602 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.01 min

Lab File: VX017713.D

Acq: 31 Jul 2020 19:40

Instrument :

MSVOA_X

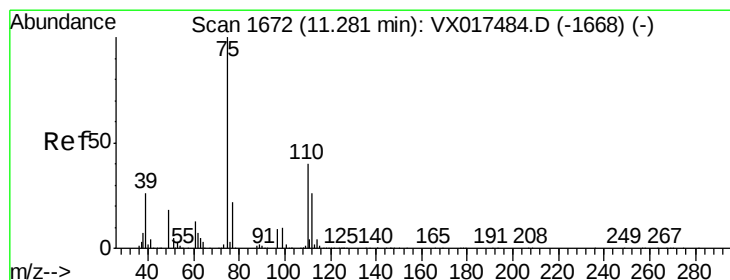
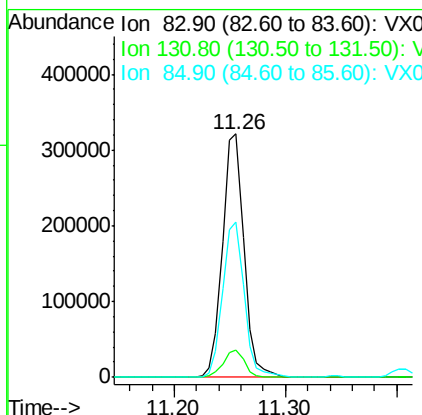
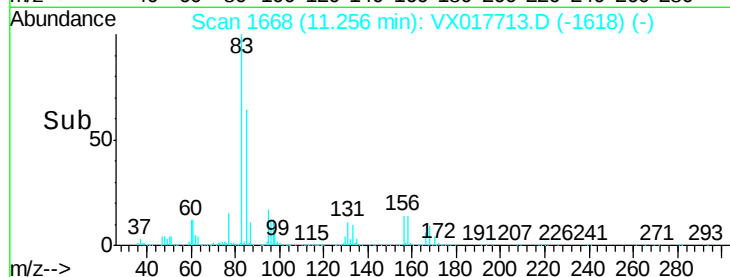
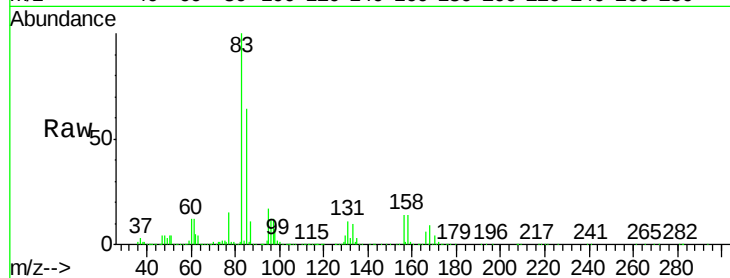
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	430304
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.5	16.5
85	63.9	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
8/3/2020 5:02:32 PM



#76

1,2,3-Trichloropropane

Concen: 45.435 ug/l m

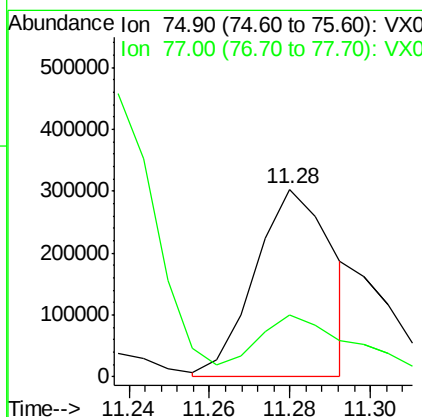
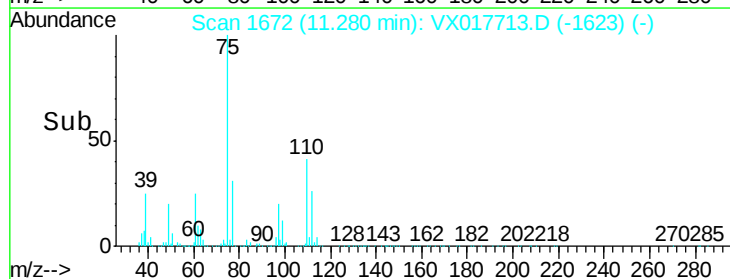
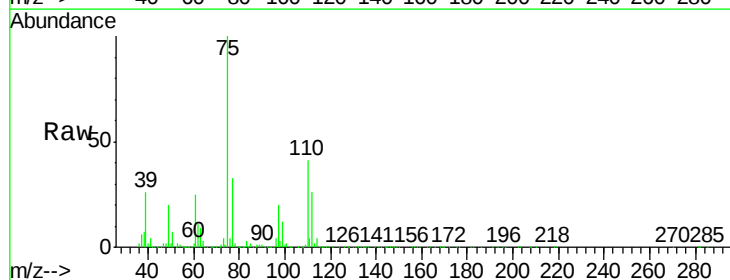
RT: 11.28 min Scan# 1672

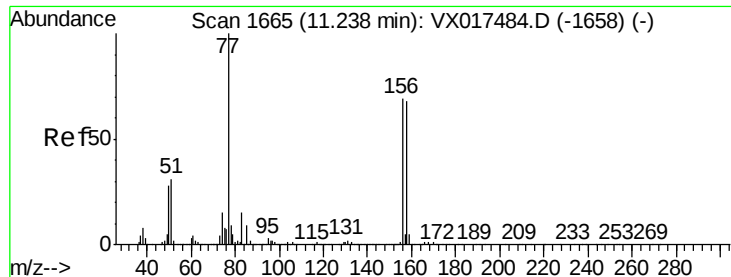
Delta R.T. -0.00 min

Lab File: VX017713.D

Acq: 31 Jul 2020 19:40

Tgt Ion:	75	Resp:	403020
Ion Ratio	Lower	Upper	
75	100		
77	41.8	21.8	65.3





#77

Bromobenzene

Concen: 45.366 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX017713.D

Acq: 31 Jul 2020 19:40

Instrument :

MSVOA_X

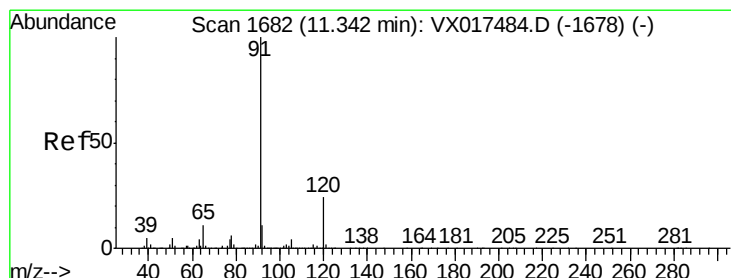
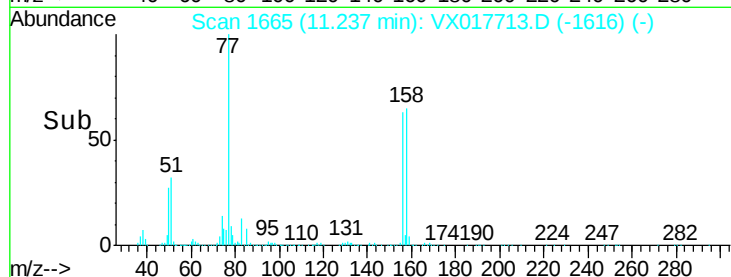
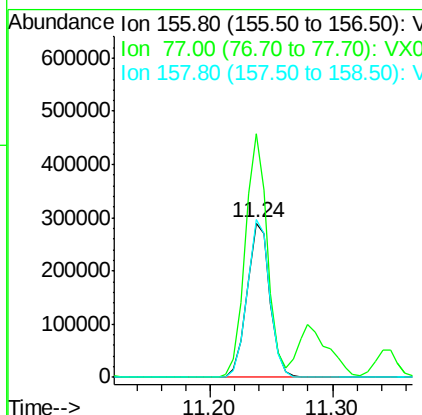
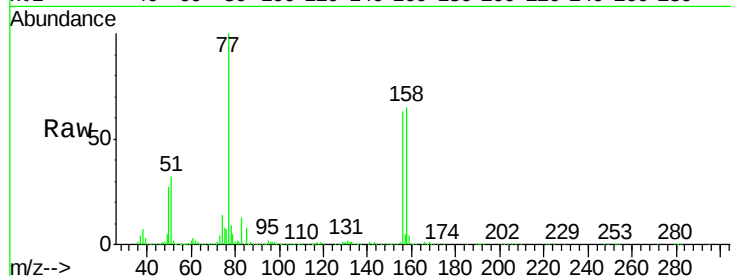
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	375707
Ion Ratio	Lower	Upper	
156	100		
77	151.3	75.0	225.0
158	100.6	49.1	147.3

Manual Integrations
APPROVED

MMDadoda
8/3/2020 5:02:32 PM



#78

n-propylbenzene

Concen: 47.944 ug/l

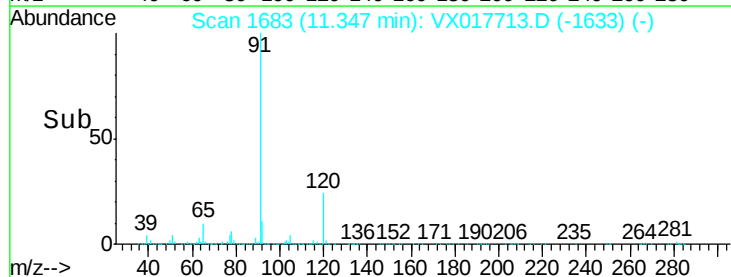
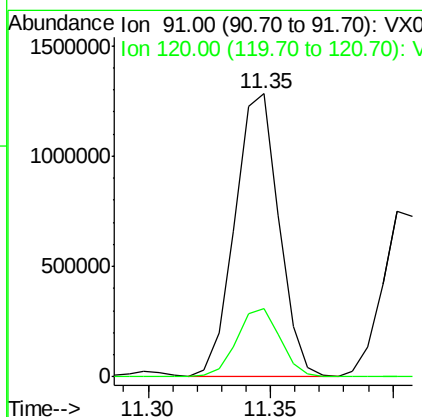
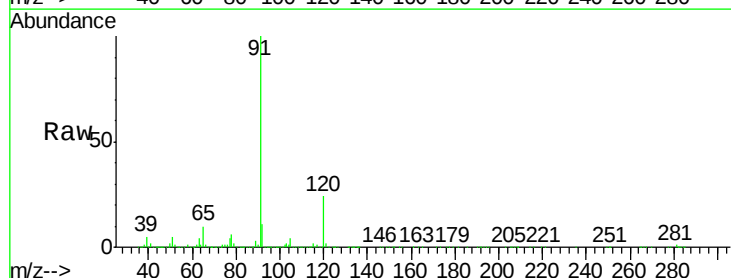
RT: 11.35 min Scan# 1683

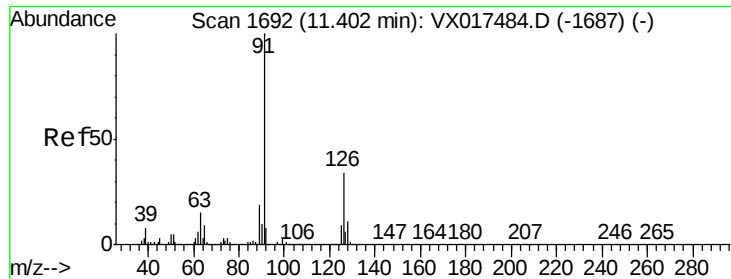
Delta R.T. 0.01 min

Lab File: VX017713.D

Acq: 31 Jul 2020 19:40

Tgt Ion:	91	Resp:	1599624
Ion Ratio	Lower	Upper	
91	100		
120	23.9	12.2	36.4





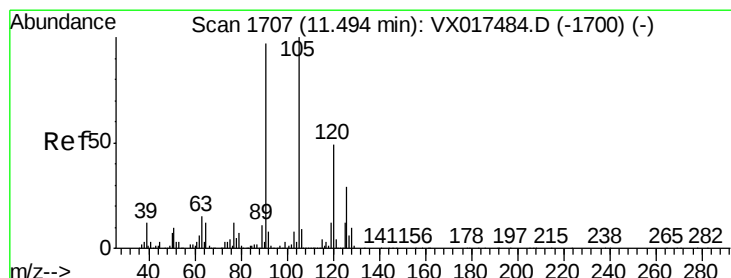
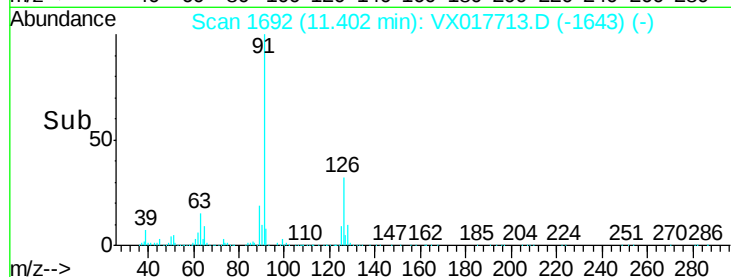
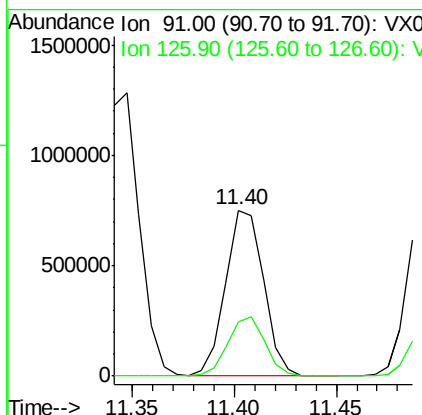
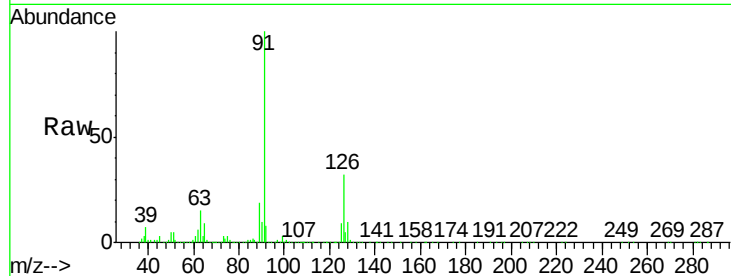
#79
2-Chlorotoluene
Concen: 46.652 ug/l
RT: 11.40 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.5	52.5

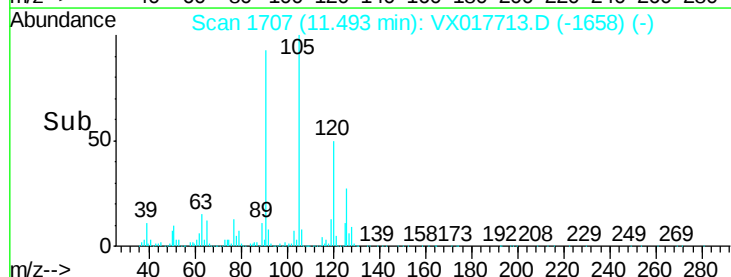
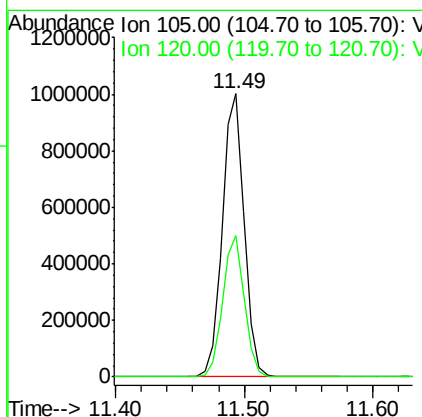
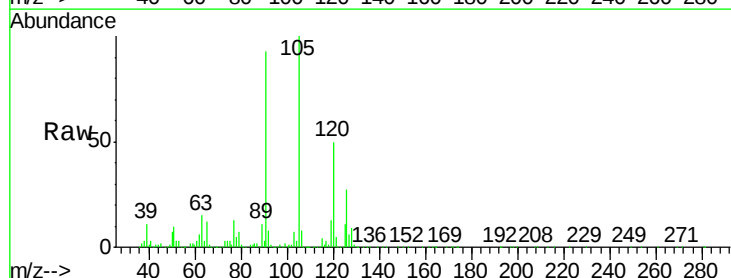
Manual Integrations
APPROVED

MMDadoda
8/3/2020 5:02:32 PM



#80
1,3,5-Trimethylbenzene
Concen: 47.156 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.8	24.1	72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 42.937 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VX017713.D

Acq: 31 Jul 2020 19:40

Instrument :

MSVOA_X

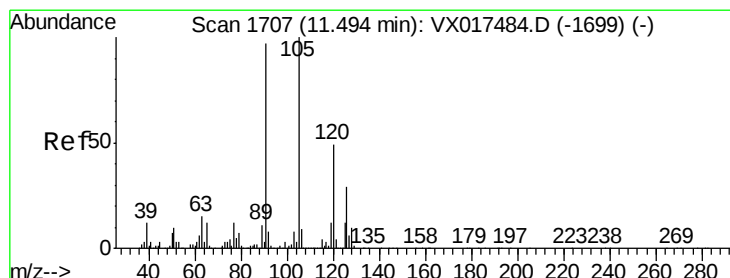
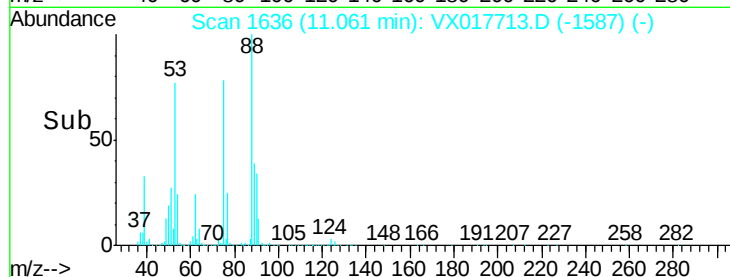
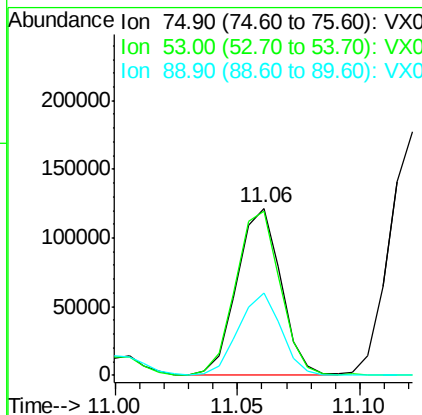
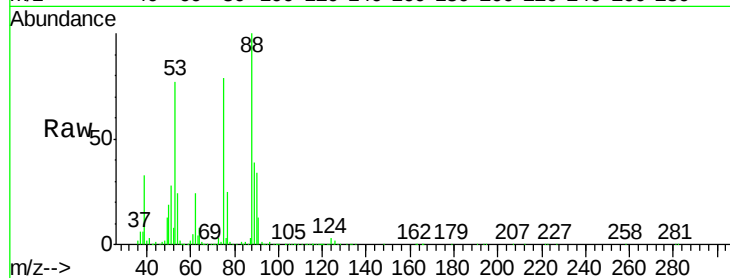
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	151151
Ion Ratio	Lower	Upper	
75	100		
53	99.6	75.9	113.9
89	48.6	37.8	56.6

Manual Integrations
APPROVED

MMDadoda
8/3/2020 5:02:32 PM



#82

4-Chlorotoluene

Concen: 46.906 ug/l

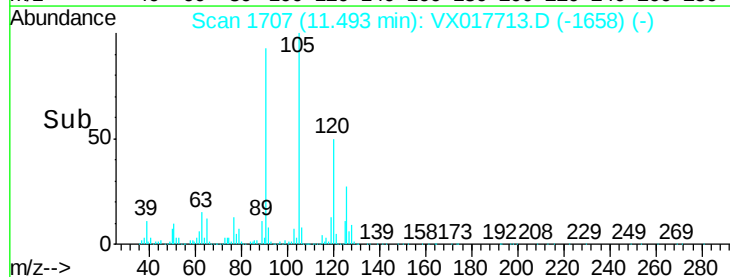
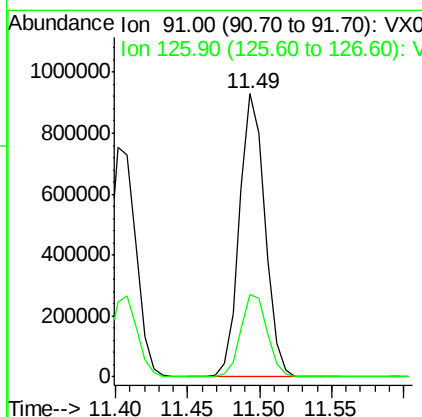
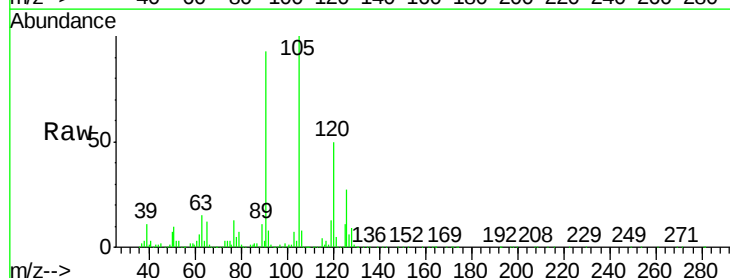
RT: 11.49 min Scan# 1707

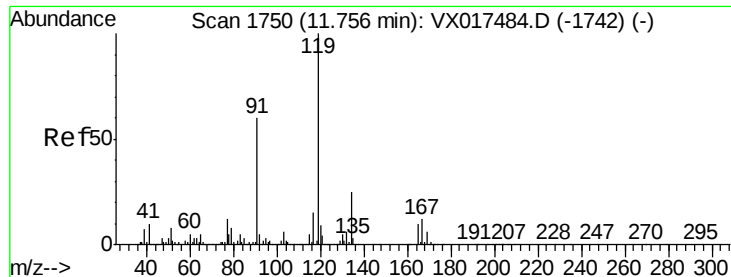
Delta R.T. -0.00 min

Lab File: VX017713.D

Acq: 31 Jul 2020 19:40

Tgt Ion:	91	Resp:	1143562
Ion Ratio	Lower	Upper	
91	100		
126	30.0	15.2	45.6





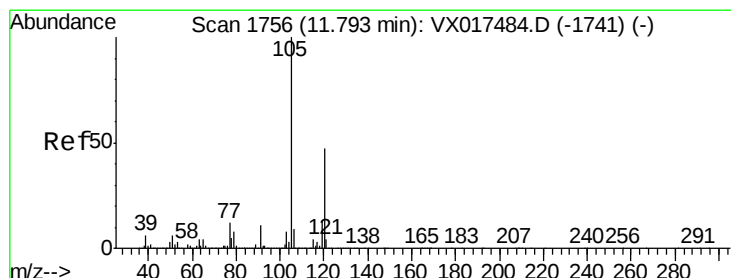
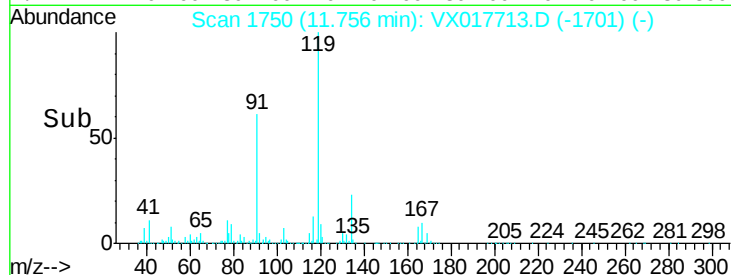
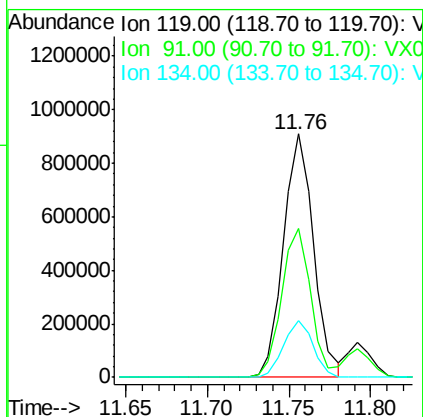
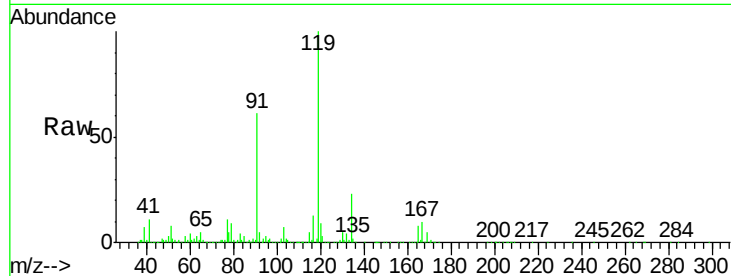
#83
 tert-Butylbenzene
 Concen: 47.974 ug/l
 RT: 11.76 min Scan# 1750
 Delta R.T. -0.00 min
 Lab File: VX017713.D
 Acq: 31 Jul 2020 19:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.8	29.3	88.0
134	22.8	11.2	33.6

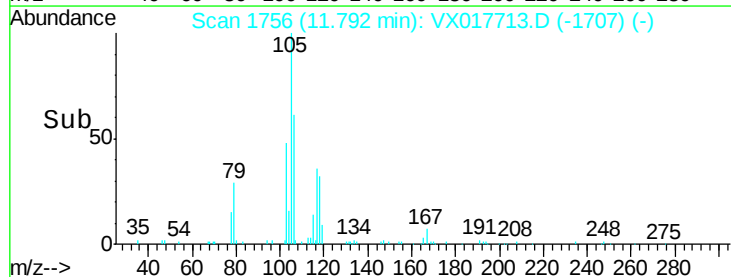
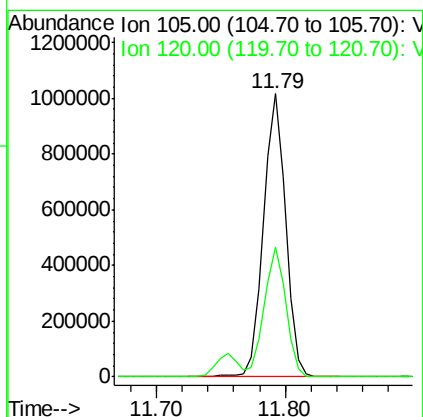
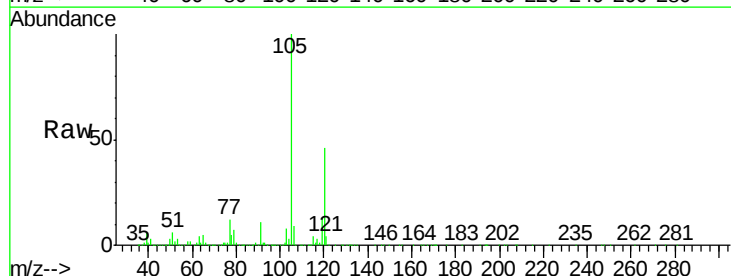
Manual Integrations
 APPROVED

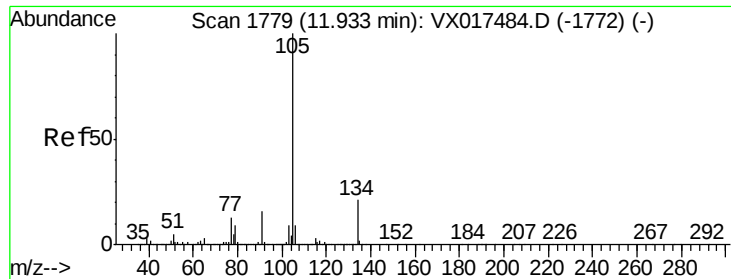
MMDadoda
 8/3/2020 5:02:32 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 48.111 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX017713.D
 Acq: 31 Jul 2020 19:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.7	68.0





#85

sec-Butylbenzene

Concen: 48.338 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX017713.D

Acq: 31 Jul 2020 19:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1360902

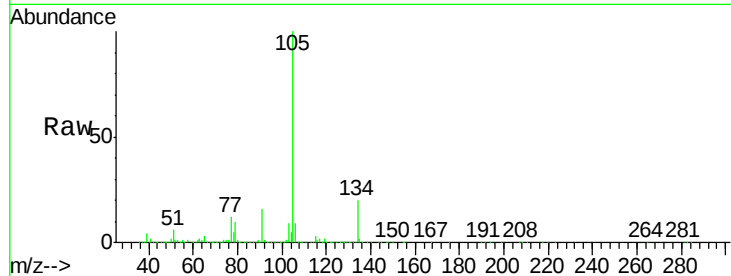
Ion Ratio Lower Upper

105 100

134 20.4 10.4 31.2

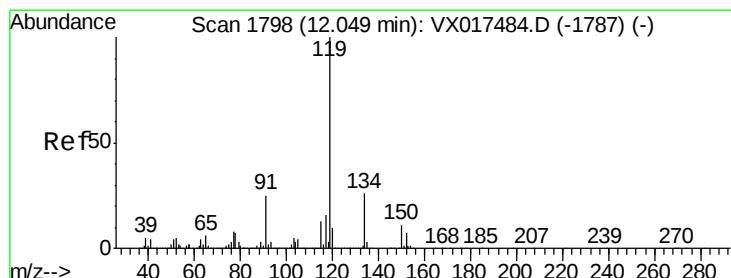
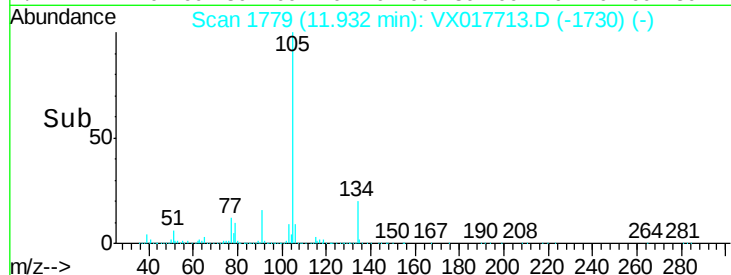
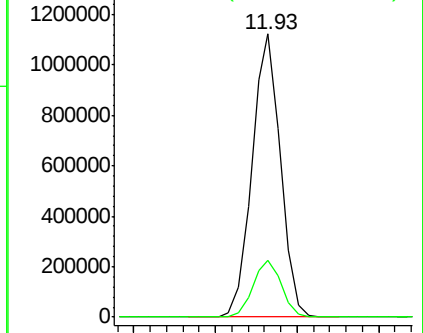
Manual Integrations
APPROVED

MMDadoda
8/3/2020 5:02:32 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.262 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX017713.D

Acq: 31 Jul 2020 19:40

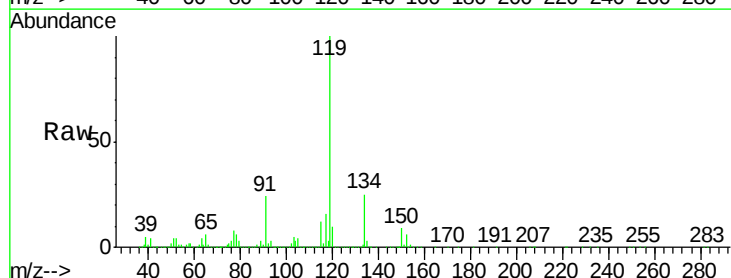
Tgt Ion:119 Resp: 1267147

Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

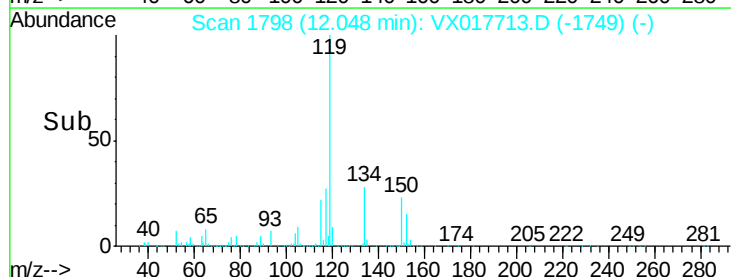
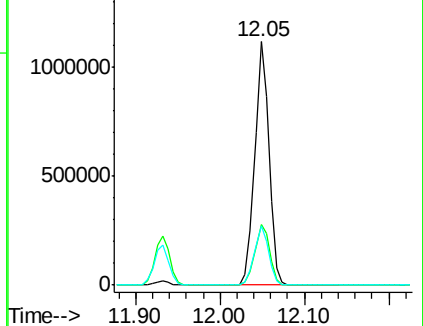
91 24.4 12.1 36.3

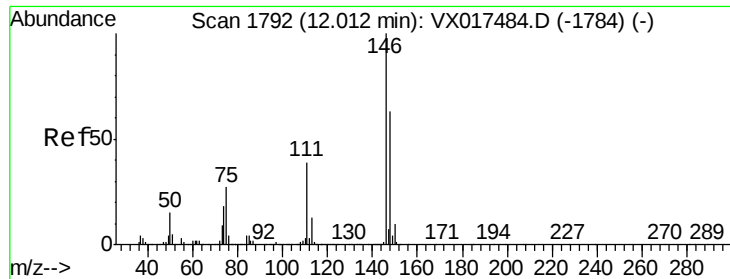


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





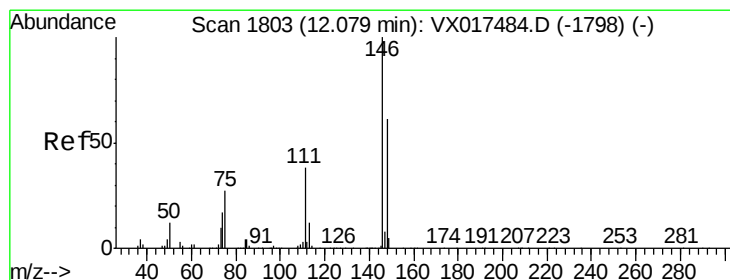
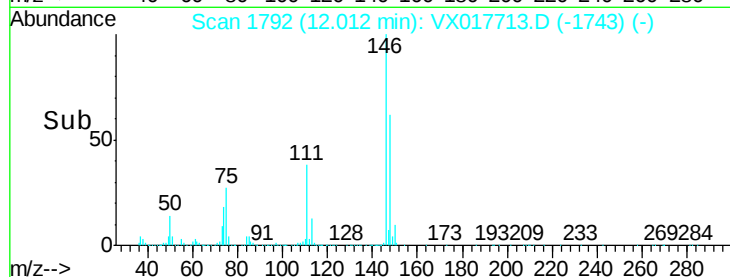
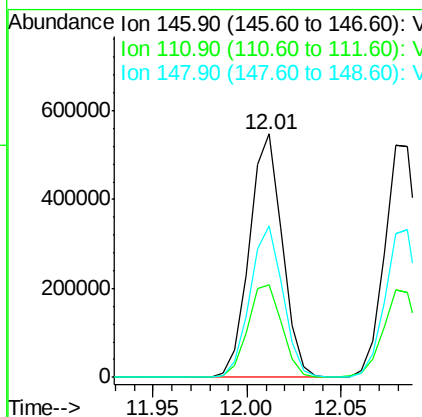
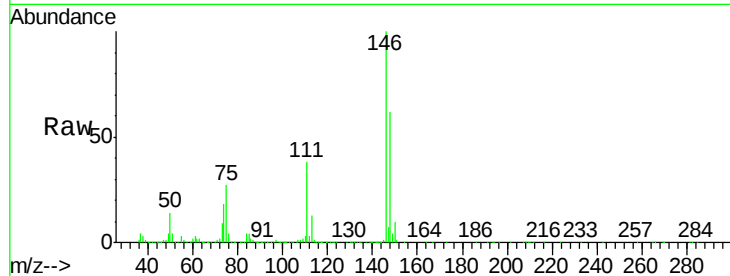
#87
 1,3-Dichlorobenzene
 Concen: 46.565 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX017713.D
 Acq: 31 Jul 2020 19:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.9	59.7
148	62.2	31.6	95.0

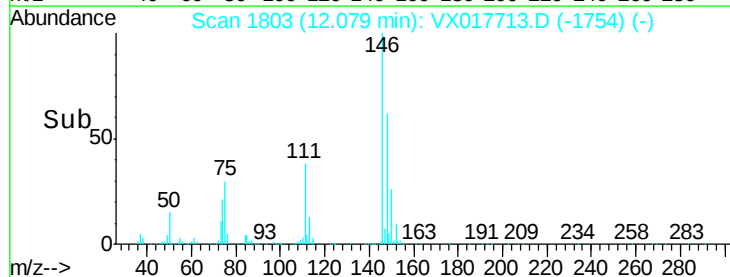
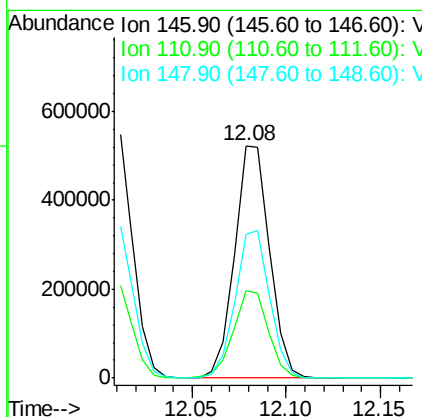
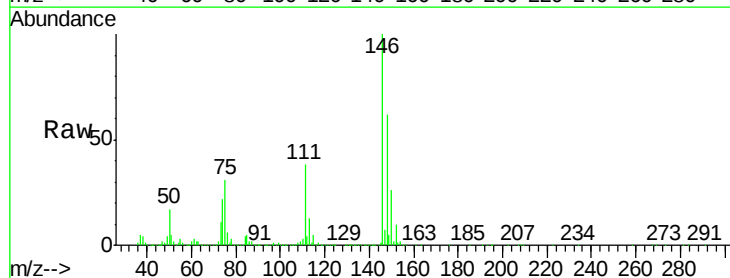
Manual Integrations
 APPROVED

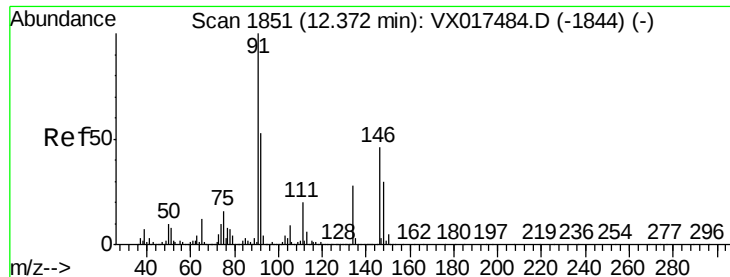
MMDadoda
 8/3/2020 5:02:32 PM



#88
 1,4-Dichlorobenzene
 Concen: 45.507 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX017713.D
 Acq: 31 Jul 2020 19:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.3	57.8
148	62.8	32.2	96.6





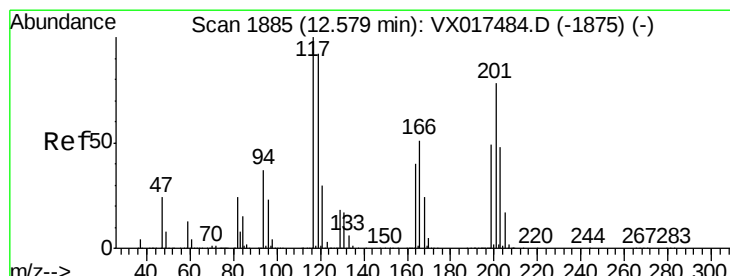
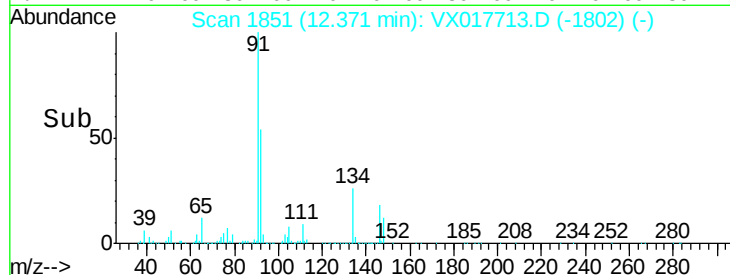
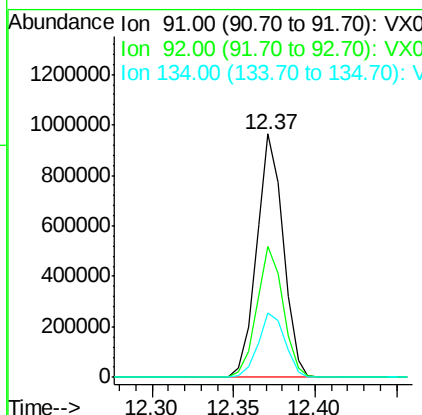
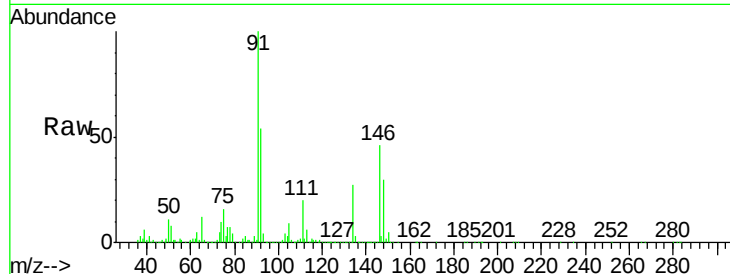
#89
n-Butylbenzene
Concen: 45.668 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1091034
Ion Ratio Lower Upper
91 100
92 53.3 26.7 80.1
134 27.1 13.6 40.7

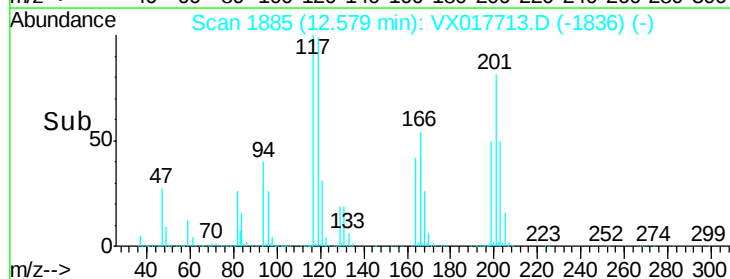
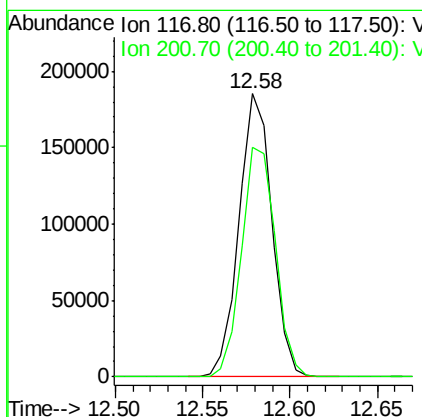
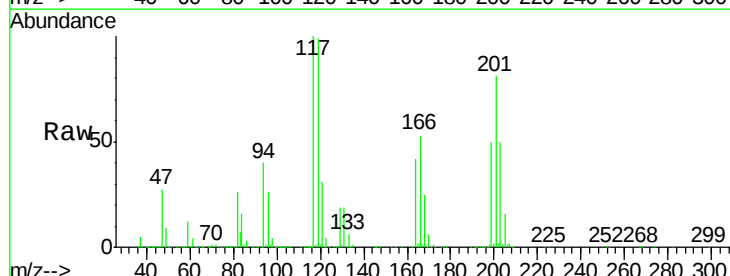
Manual Integrations
APPROVED

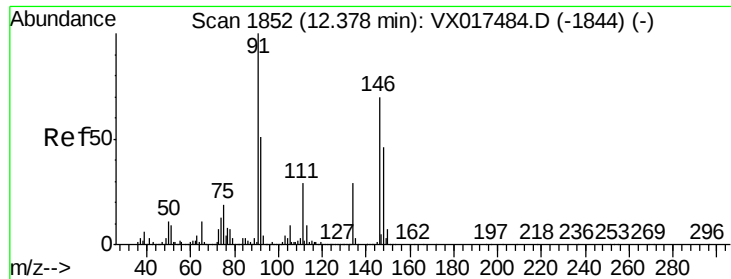
MMDadoda
8/3/2020 5:02:32 PM



#90
Hexachloroethane
Concen: 45.845 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Tgt Ion: 117 Resp: 242329
Ion Ratio Lower Upper
117 100
201 84.0 42.2 126.6





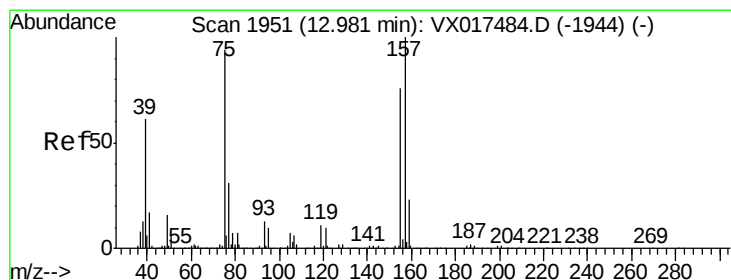
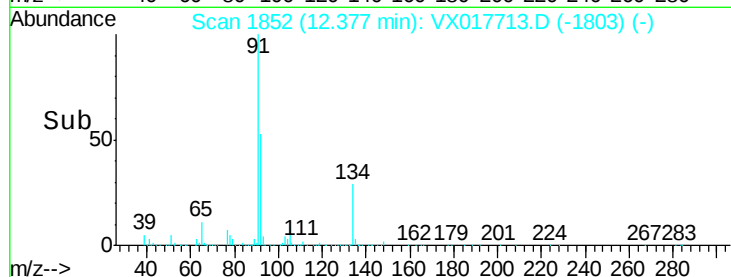
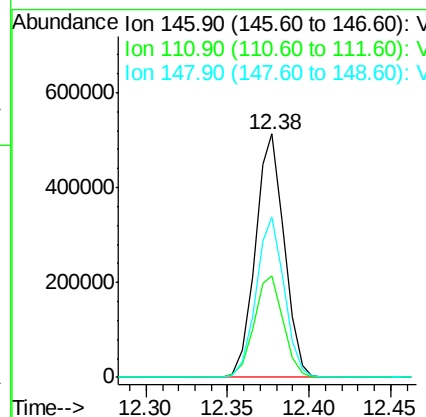
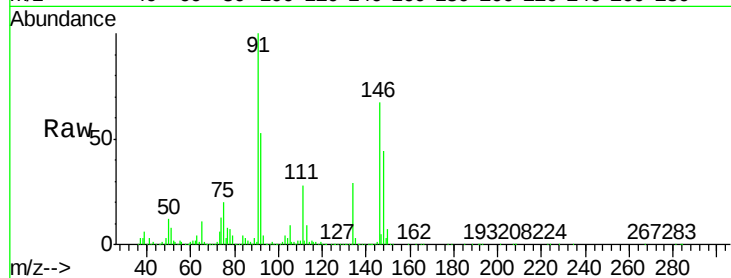
#91
 1,2-Dichlorobenzene
 Concen: 45.152 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX017713.D
 Acq: 31 Jul 2020 19:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	631110		
111	42.1	20.9	62.8	
148	64.3	32.8	98.4	

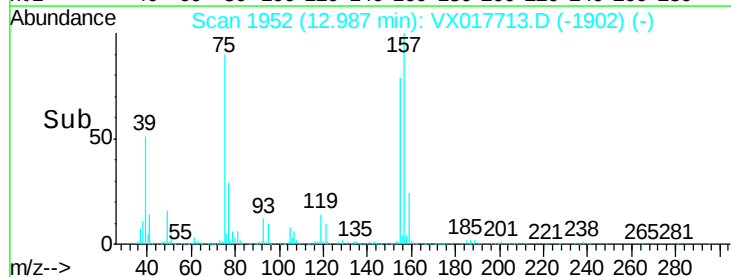
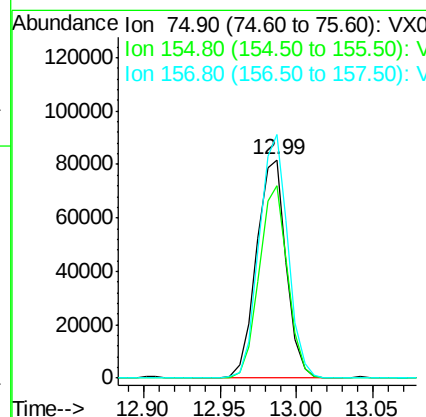
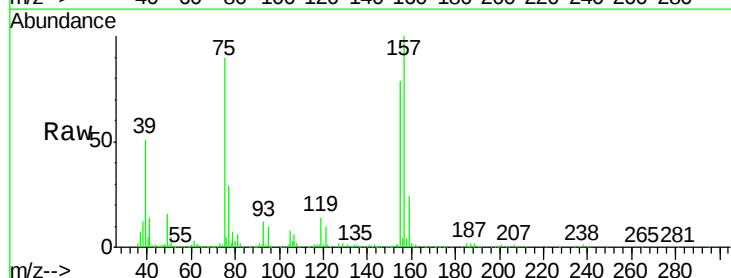
Manual Integrations
 APPROVED

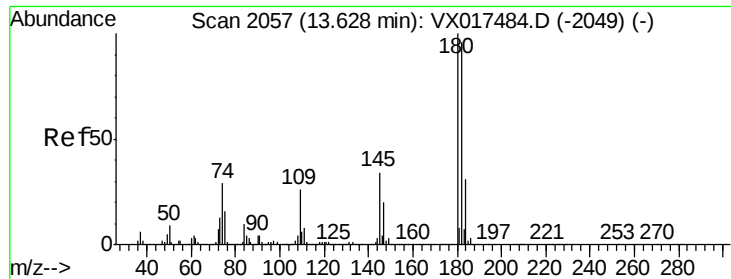
MMDadoda
 8/3/2020 5:02:32 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.689 ug/l
 RT: 12.99 min Scan# 1952
 Delta R.T. 0.01 min
 Lab File: VX017713.D
 Acq: 31 Jul 2020 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	110437		
155	84.4	42.3	126.8	
157	107.6	54.3	162.9	





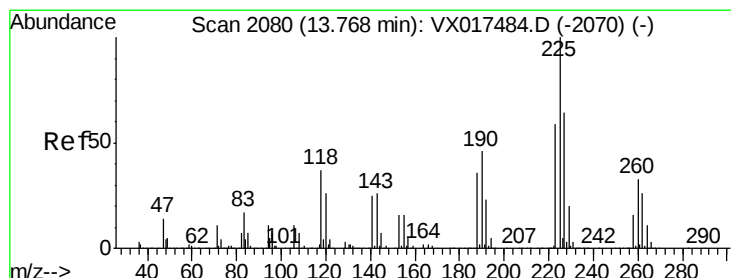
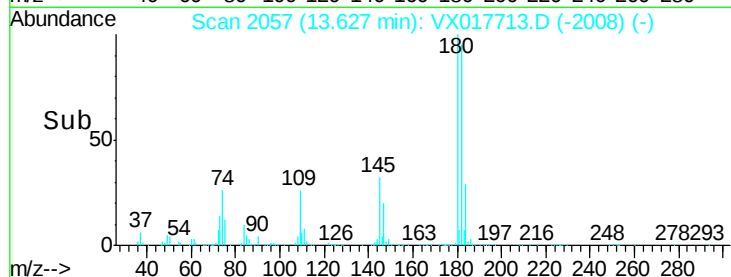
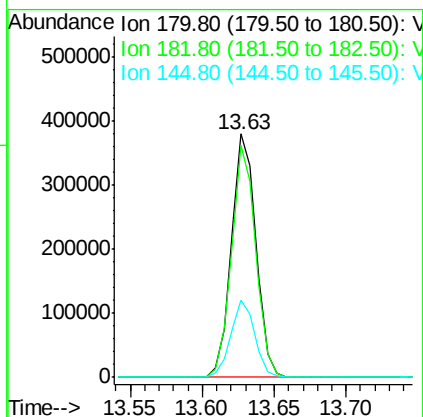
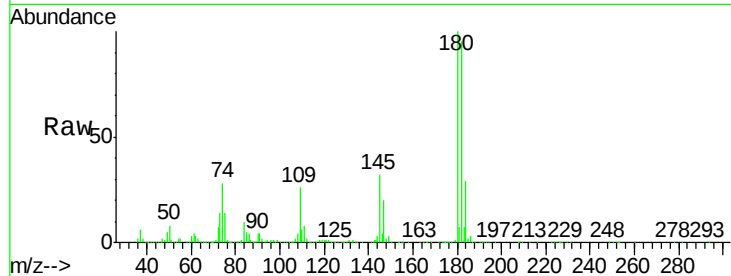
#93
1,2,4-Trichlorobenzene
Concen: 47.862 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. -0.00 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.5	142.6
145	30.9	15.4	46.4

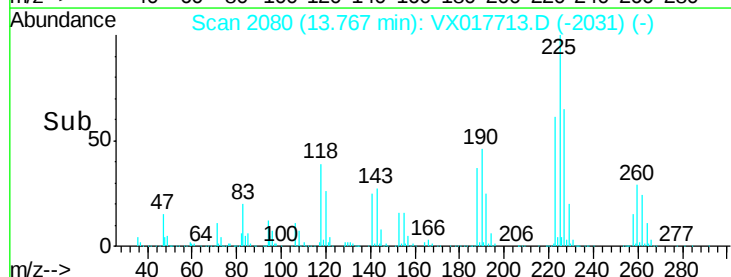
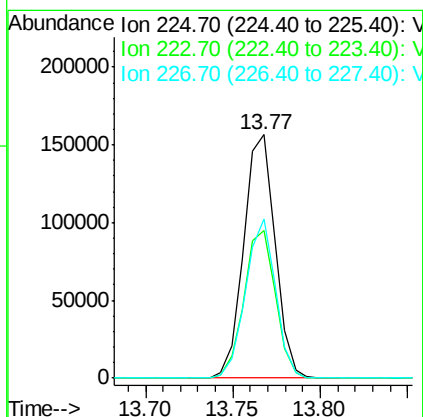
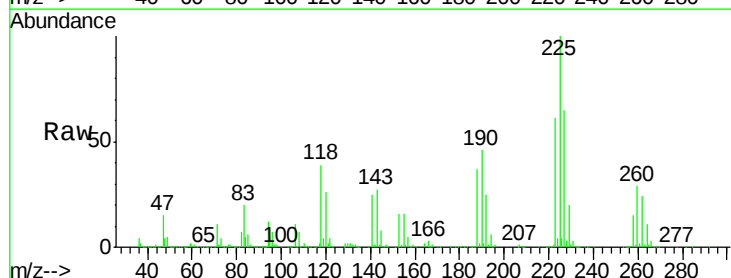
Manual Integrations
APPROVED

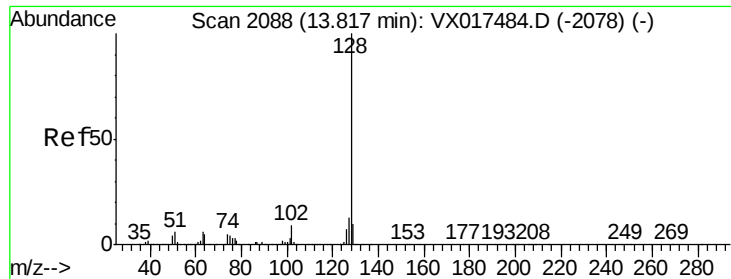
MMDadoda
8/3/2020 5:02:32 PM



#94
Hexachlorobutadiene
Concen: 44.409 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX017713.D
Acq: 31 Jul 2020 19:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	30.3	90.9
227	62.5	31.1	93.2





#95

Naphthalene

Concen: 49.967 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX017713.D

Acq: 31 Jul 2020 19:40

Instrument :

MSVOA_X

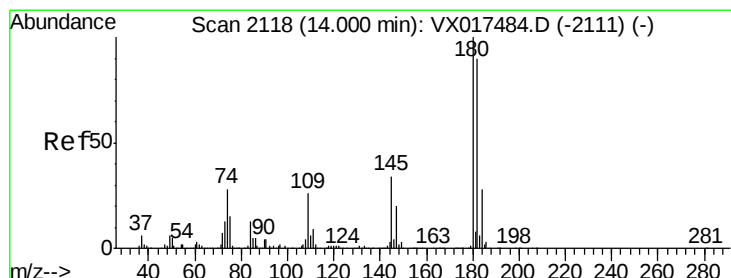
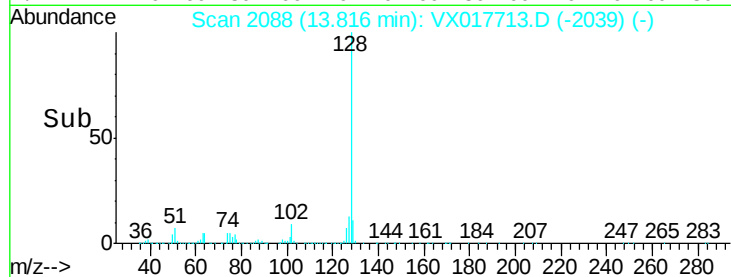
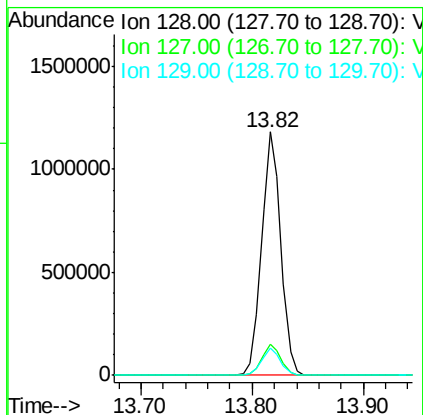
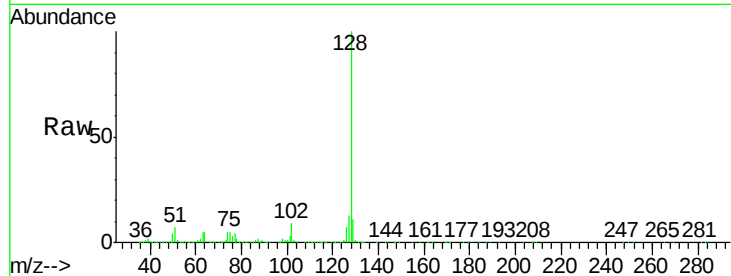
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	1422901
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/3/2020 5:02:32 PM



#96

1,2,3-Trichlorobenzene

Concen: 47.385 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VX017713.D

Acq: 31 Jul 2020 19:40

Tgt Ion:	180	Resp:	446328
Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.4	142.3
145	32.9	16.3	48.9

