

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050620\
 Data File : VN061302.D
 Acq On : 6 May 2020 11:14
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:36:27 AM

Quant Time: May 07 05:37:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	108839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.54	114	183076	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	169770	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	81597	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.98	65	87761	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
35) Dibromofluoromethane	7.54	113	48462	44.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.54%	
50) Toluene-d8	10.06	98	231281	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	
62) 4-Bromofluorobenzene	12.37	95	88531	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	53003	45.924	ug/l	99
3) Chloromethane	2.03	50	71611	51.231	ug/l	99
4) Vinyl Chloride	2.15	62	79627	50.154	ug/l	100
5) Bromomethane	2.52	94	32914	41.940	ug/l	98
6) Chloroethane	2.66	64	48925	48.618	ug/l	100
7) Trichlorofluoromethane	2.97	101	98319	54.890	ug/l	96
8) Diethyl Ether	3.37	74	39773	53.234	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.71	101	57426	49.765	ug/l	100
10) Methyl Iodide	3.90	142	60860	41.038	ug/l	100
11) Tert butyl alcohol	4.73	59	67142	291.039	ug/l	99
12) 1,1-Dichloroethene	3.69	96	54635	47.577	ug/l	100
13) Acrolein	3.56	56	35454	230.613	ug/l	97
14) Allyl chloride	4.27	41	119114	55.942	ug/l	99
15) Acrylonitrile	4.92	53	189688	267.852	ug/l	99
16) Acetone	3.77	43	189102	284.684	ug/l	100
17) Carbon Disulfide	4.00	76	115860	36.525	ug/l	100
18) Methyl Acetate	4.27	43	101414	46.696	ug/l	100
19) Methyl tert-butyl Ether	4.98	73	217449	49.556	ug/l	99
20) Methylene Chloride	4.49	84	64211	47.816	ug/l	99
21) trans-1,2-Dichloroethene	4.98	96	60057	48.029	ug/l	97
22) Diisopropyl ether	5.90	45	249879	50.608	ug/l	99
23) Vinyl Acetate	5.83	43	1023635	257.481	ug/l	100
24) 1,1-Dichloroethane	5.79	63	125148	48.512	ug/l	99
25) 2-Butanone	6.78	43	285935	280.586	ug/l	98
26) 2,2-Dichloropropane	6.77	77	114220	52.566	ug/l	99
27) cis-1,2-Dichloroethene	6.77	96	70622	48.127	ug/l	98
28) Bromochloromethane	7.14	49	61569	50.353	ug/l	97
29) Tetrahydrofuran	7.16	42	183829	267.792	ug/l	99
30) Chloroform	7.32	83	125542	48.021	ug/l	99
31) Cyclohexane	7.61	56	108985	43.501	ug/l	99
32) 1,1,1-Trichloroethane	7.52	97	108177	47.519	ug/l	99
36) 1,1-Dichloropropene	7.74	75	89842	49.022	ug/l	99
37) Ethyl Acetate	6.87	43	112842	52.521	ug/l	99
38) Carbon Tetrachloride	7.73	117	83013	49.662	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050620\
 Data File : VN061302.D
 Acq On : 6 May 2020 11:14
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:36:27 AM

Quant Time: May 07 05:37:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	98625	47.986	ug/l	98
40) Benzene	8.00	78	268427	49.163	ug/l	98
41) Methacrylonitrile	7.12	41	47114m	52.815	ug/l	
42) 1,2-Dichloroethane	8.08	62	106973	51.717	ug/l	99
43) Isopropyl Acetate	8.12	43	188426	52.844	ug/l #	92
44) Trichloroethene	8.80	130	69144	46.846	ug/l	100
45) 1,2-Dichloropropane	9.08	63	73179	50.168	ug/l	100
46) Dibromomethane	9.17	93	45699	50.598	ug/l	99
47) Bromodichloromethane	9.37	83	101118	52.161	ug/l	99
48) Methyl methacrylate	9.16	41	85871	53.368	ug/l	97
49) 1,4-Dioxane	9.16	88	22405	1226.703	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	582389	277.484	ug/l	100
52) Toluene	10.12	92	164705	50.082	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	114264	52.310	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	120339	52.111	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	66200	50.466	ug/l	99
56) Ethyl methacrylate	10.40	69	109717	48.107	ug/l	99
57) 1,3-Dichloropropane	10.68	76	117051	50.764	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	330963	311.696	ug/l	99
59) 2-Hexanone	10.72	43	439459	287.805	ug/l	100
60) Dibromochloromethane	10.87	129	70861	51.577	ug/l	99
61) 1,2-Dibromoethane	10.98	107	67498	51.338	ug/l	100
64) Tetrachloroethene	10.60	164	67088	45.626	ug/l	99
65) Chlorobenzene	11.40	112	169030	50.192	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	64352	53.390	ug/l	99
67) Ethyl Benzene	11.48	91	323428	51.303	ug/l	99
68) m/p-Xylenes	11.59	106	236530	102.503	ug/l	98
69) o-Xylene	11.92	106	112218	50.628	ug/l	97
70) Styrene	11.94	104	192945	52.009	ug/l	99
71) Bromoform	12.10	173	49278	55.628	ug/l #	99
73) Isopropylbenzene	12.22	105	309743	51.636	ug/l	100
74) N-amyl acetate	12.04	43	163771	53.915	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	99393	53.139	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	88291m	51.324	ug/l	
77) Bromobenzene	12.50	156	69737	50.361	ug/l	96
78) n-propylbenzene	12.56	91	371231	52.176	ug/l	100
79) 2-Chlorotoluene	12.65	91	216722	51.822	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	262352	52.843	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	38273	56.499	ug/l	99
82) 4-Chlorotoluene	12.75	91	230918	52.390	ug/l	98
83) tert-Butylbenzene	12.97	119	217053	51.848	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	263091	51.434	ug/l	100
85) sec-Butylbenzene	13.15	105	295883	51.840	ug/l	100
86) p-Isopropyltoluene	13.26	119	266286	51.782	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	129154	50.665	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	128853	49.471	ug/l	99
89) n-Butylbenzene	13.59	91	244712	51.908	ug/l	100
90) Hexachloroethane	13.85	117	32791	59.435	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	123391	50.482	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	21265	53.830	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050620\
Data File : VN061302.D
Acq On : 6 May 2020 11:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

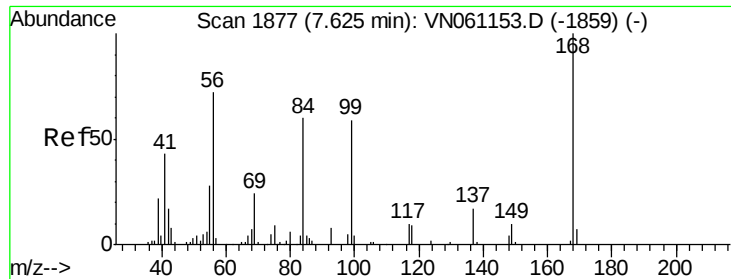
Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:27 AM

Quant Time: May 07 05:37:12 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260
QLast Update : Tue May 05 07:01:08 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	72206	48.511	ug/l	99
94) Hexachlorobutadiene	14.99	225	32169	51.734	ug/l	98
95) Naphthalene	15.11	128	233325	48.134	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	71440	48.614	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 108839

Ion Ratio Lower Upper

168 100

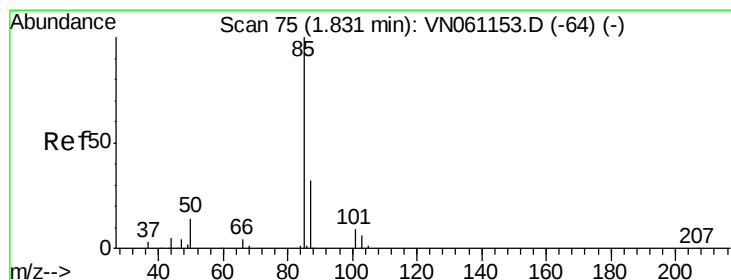
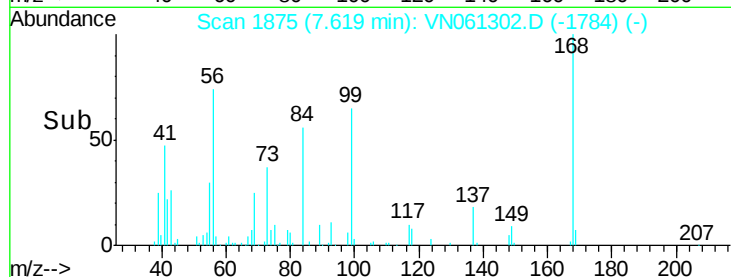
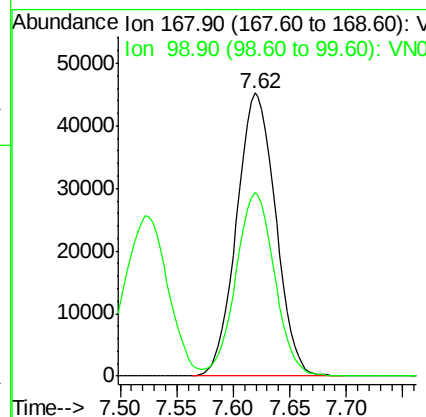
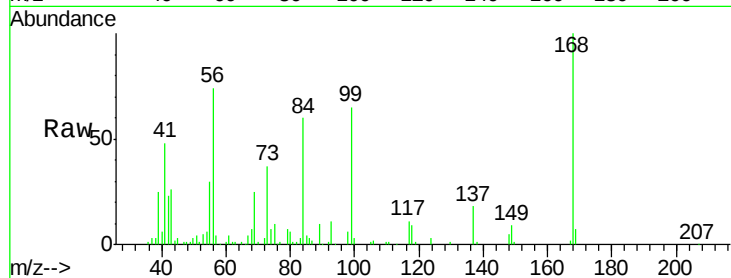
99 64.9 51.2 76.8

Manual Integrations

APPROVED

MMDadoda

5/7/2020 10:36:27 AM



#2

Dichlorodifluoromethane

Concen: 45.924 ug/l

RT: 1.83 min Scan# 74

Delta R.T. -0.00 min

Lab File: VN061302.D

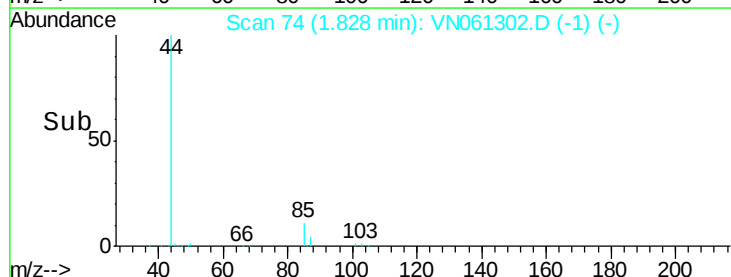
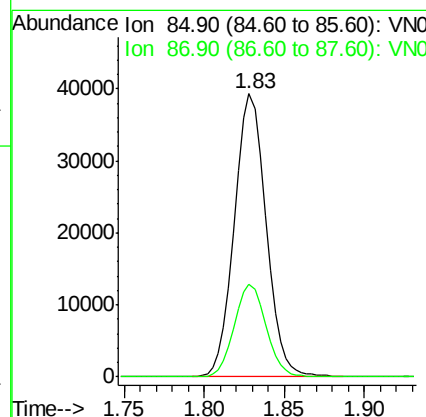
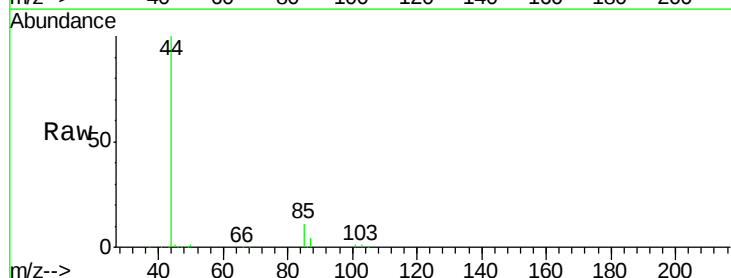
Acq: 6 May 2020 11:14

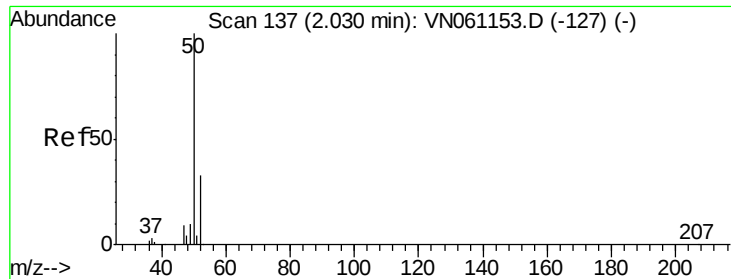
Tgt Ion: 85 Resp: 53003

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.2





#3

Chloromethane

Concen: 51.231 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 71611

Ion Ratio Lower Upper

50 100

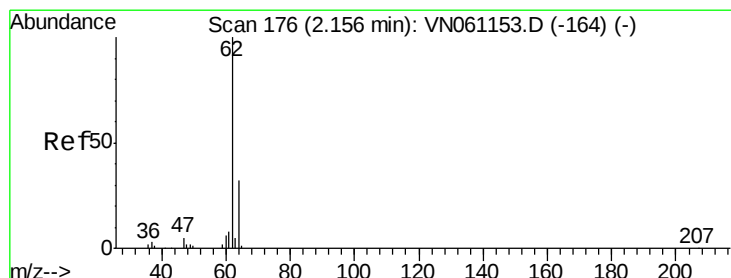
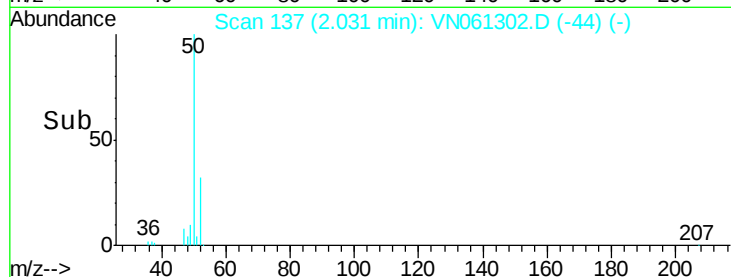
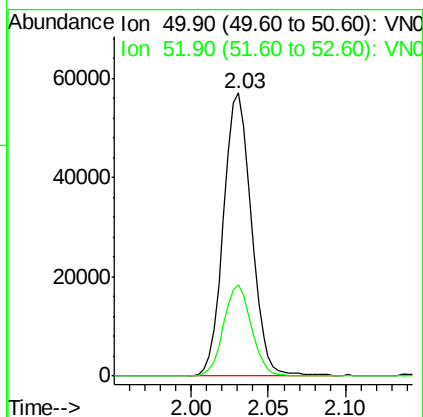
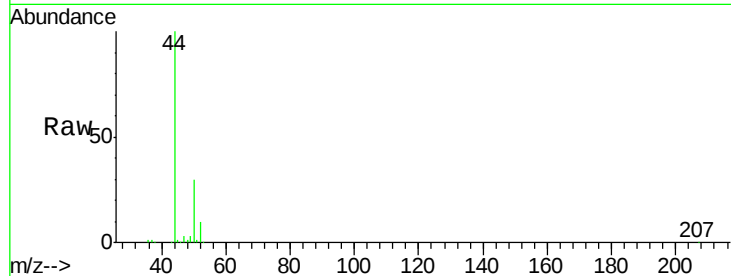
52 32.1 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

5/7/2020 10:36:27 AM



#4

Vinyl Chloride

Concen: 50.154 ug/l

RT: 2.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VN061302.D

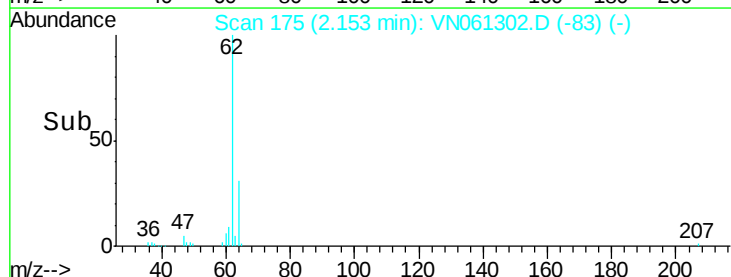
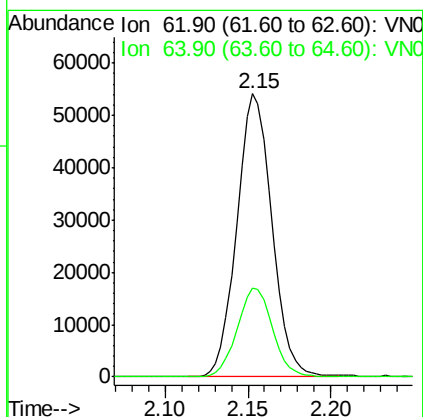
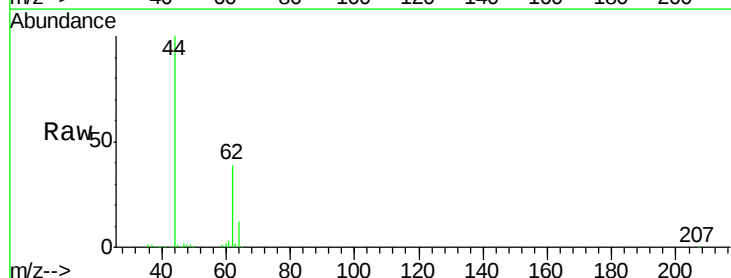
Acq: 6 May 2020 11:14

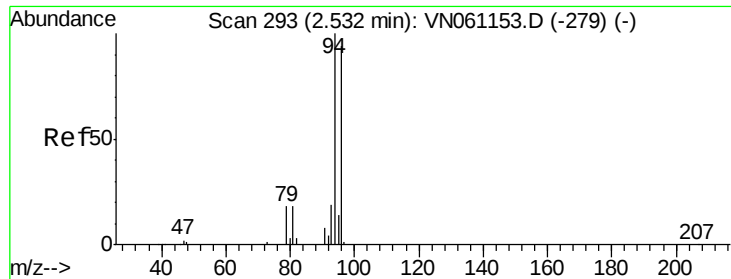
Tgt Ion: 62 Resp: 79627

Ion Ratio Lower Upper

62 100

64 31.3 25.2 37.8





#5

Bromomethane

Concen: 41.940 ug/l

RT: 2.52 min Scan# 288

Delta R.T. -0.02 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 32914

Ion Ratio Lower Upper

94 100

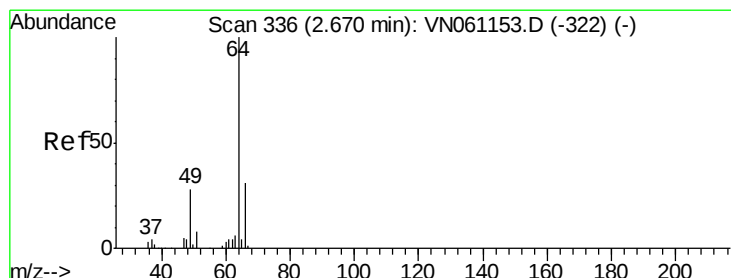
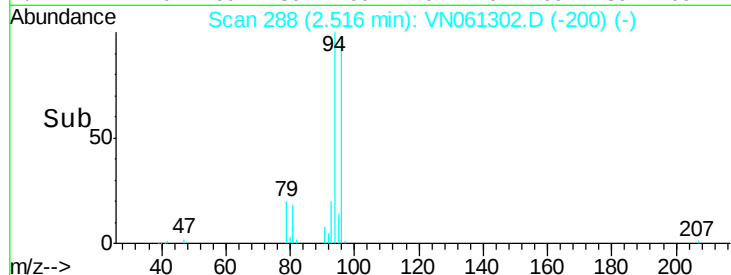
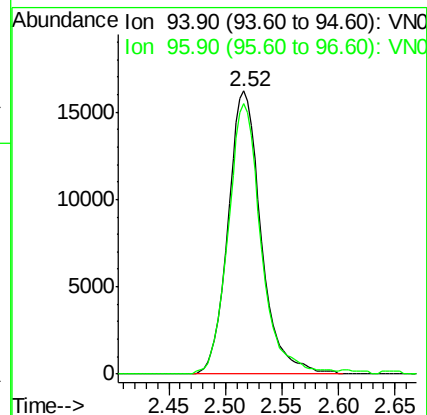
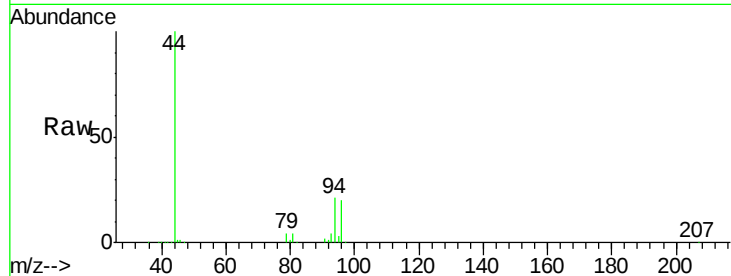
96 95.5 75.1 112.7

Manual Integrations

APPROVED

MMDadoda

5/7/2020 10:36:27 AM



#6

Chloroethane

Concen: 48.618 ug/l

RT: 2.66 min Scan# 333

Delta R.T. -0.01 min

Lab File: VN061302.D

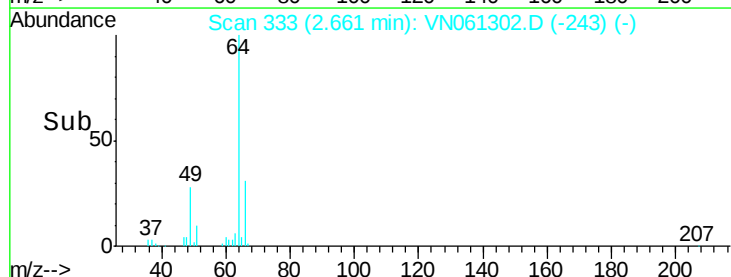
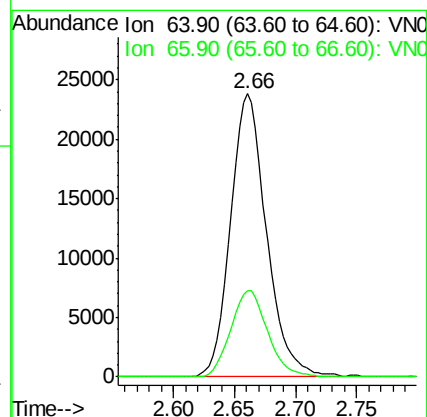
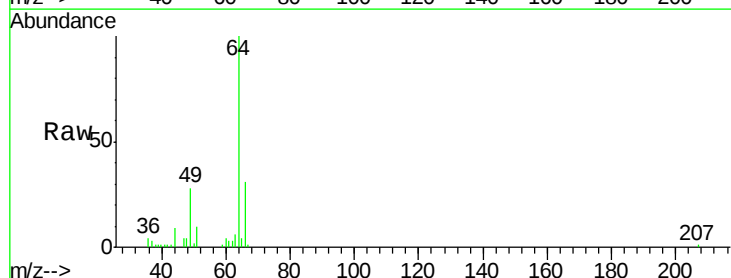
Acq: 6 May 2020 11:14

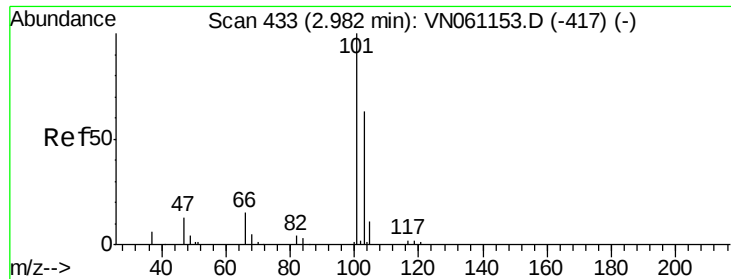
Tgt Ion: 64 Resp: 48925

Ion Ratio Lower Upper

64 100

66 30.6 24.6 36.8





#7

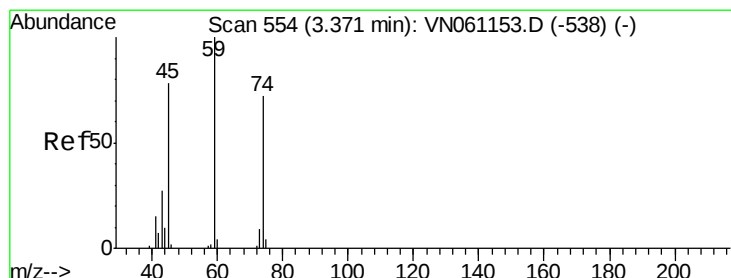
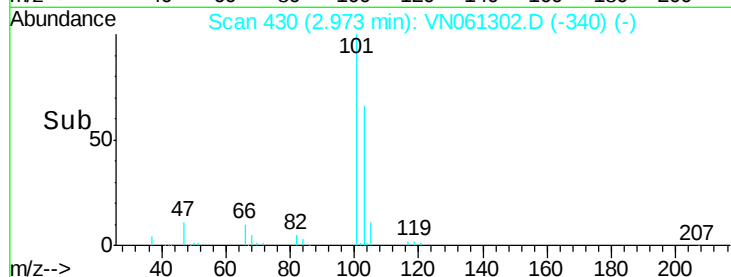
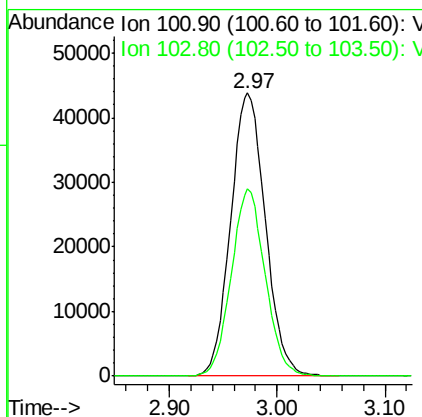
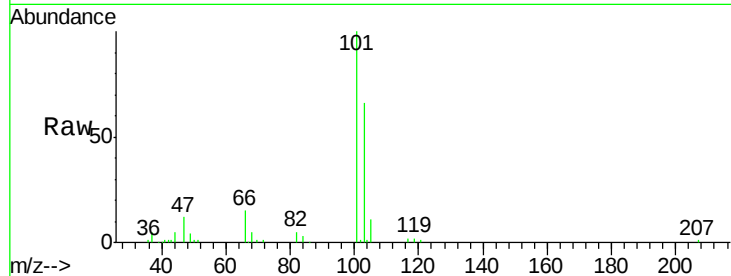
Trichlorofluoromethane
 Concen: 54.890 ug/l
 RT: 2.97 min Scan# 430
 Delta R.T. -0.01 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	50.6	76.0

Manual Integrations
 APPROVED

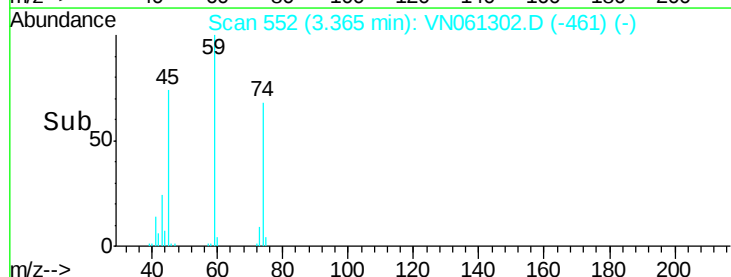
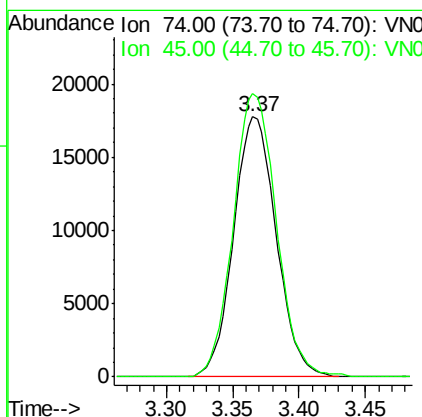
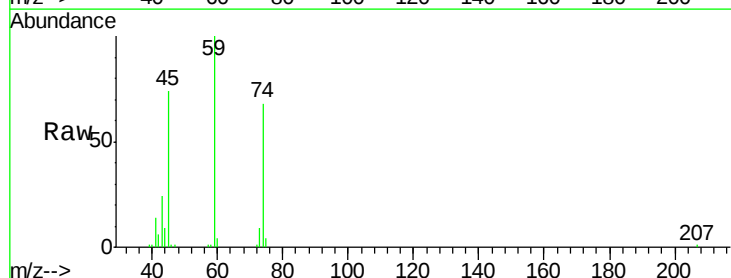
MMDadoda
 5/7/2020 10:36:27 AM

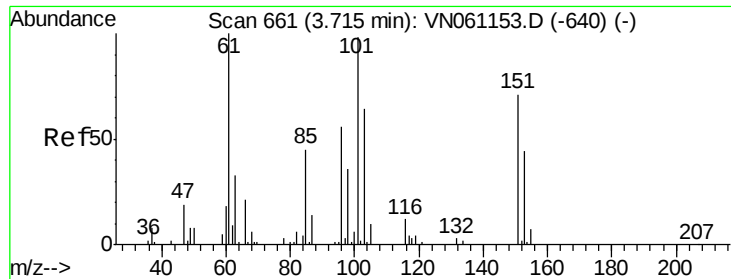


#8

Diethyl Ether
 Concen: 53.234 ug/l
 RT: 3.37 min Scan# 552
 Delta R.T. -0.01 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.4	53.3	160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.765 ug/l

RT: 3.71 min Scan# 659

Delta R.T. -0.01 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

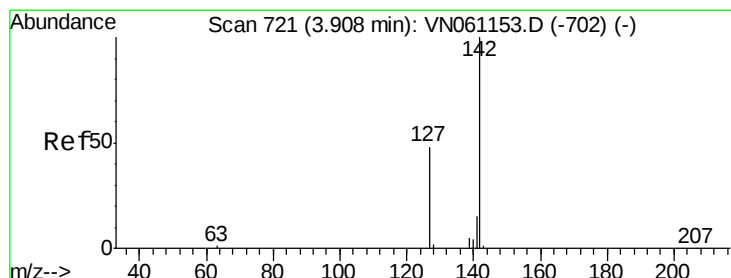
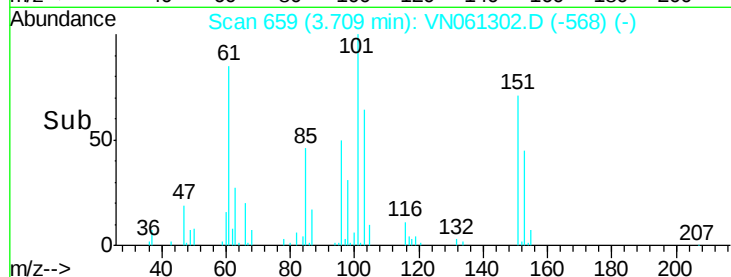
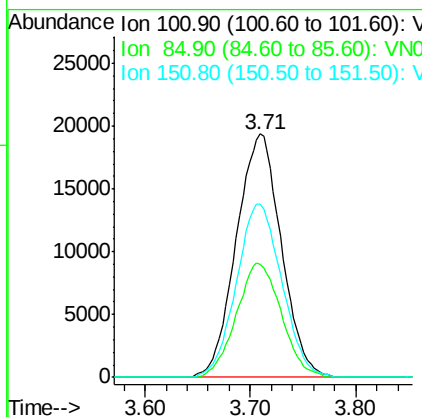
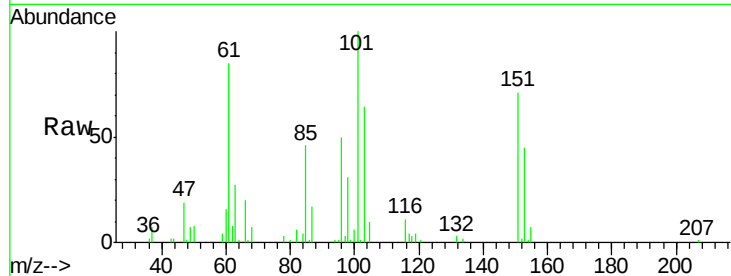
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	57426
Ion Ratio	Lower	Upper	
101	100		
85	46.7	37.2	55.8
151	71.8	57.7	86.5

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:27 AM



#10

Methyl Iodide

Concen: 41.038 ug/l

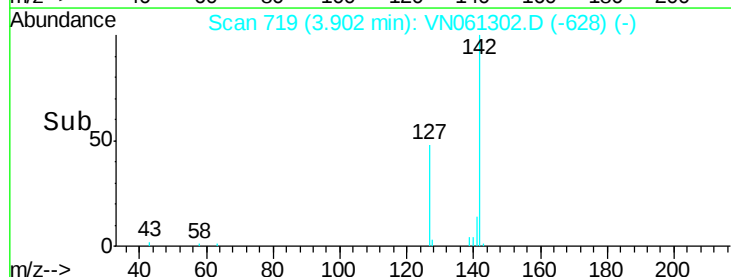
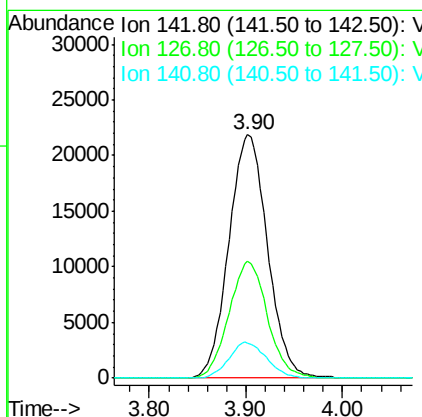
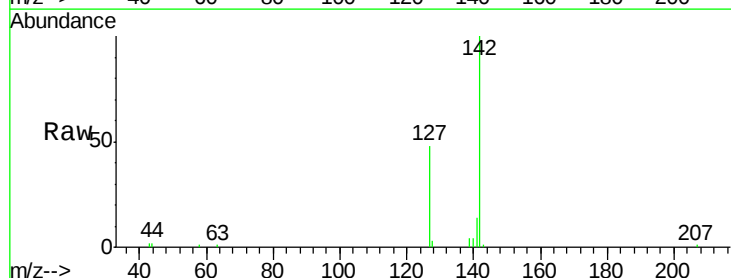
RT: 3.90 min Scan# 719

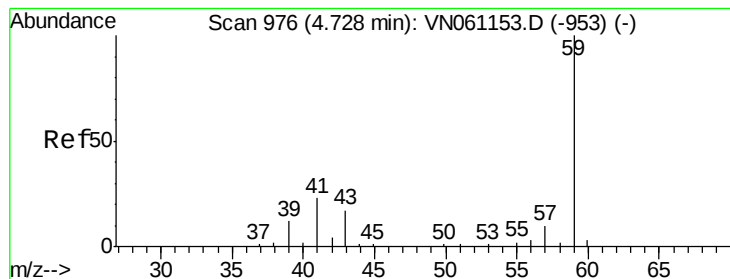
Delta R.T. -0.01 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Tgt Ion:	142	Resp:	60860
Ion Ratio	Lower	Upper	
142	100		
127	47.5	38.0	57.0
141	14.3	11.7	17.5





#11

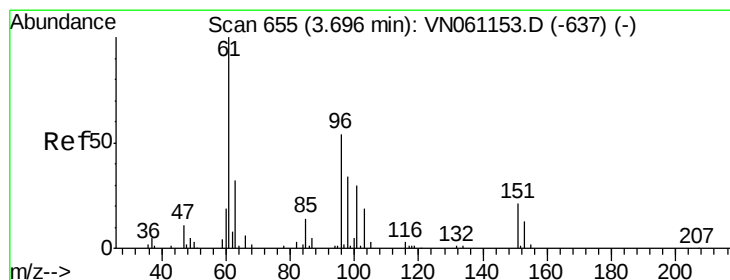
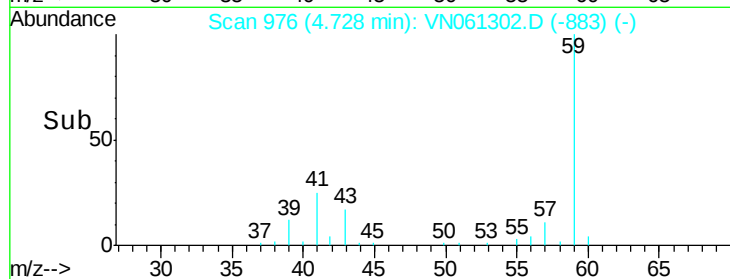
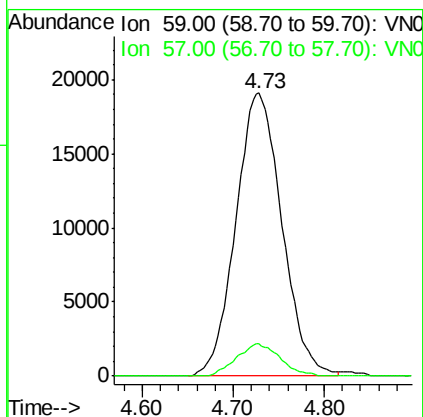
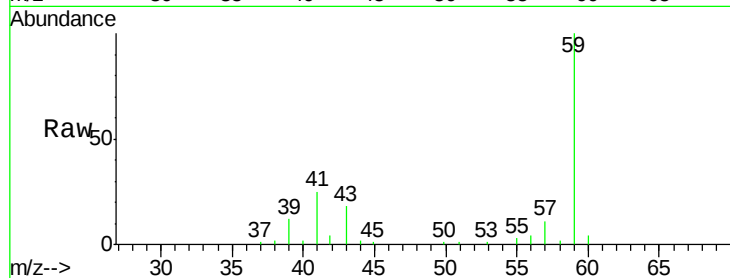
Tert butyl alcohol
Concen: 291.039 ug/l
RT: 4.73 min Scan# 976
Delta R.T. 0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 67142
Ion Ratio Lower Upper
59 100
57 10.8 8.3 12.5

Manual Integrations
APPROVED

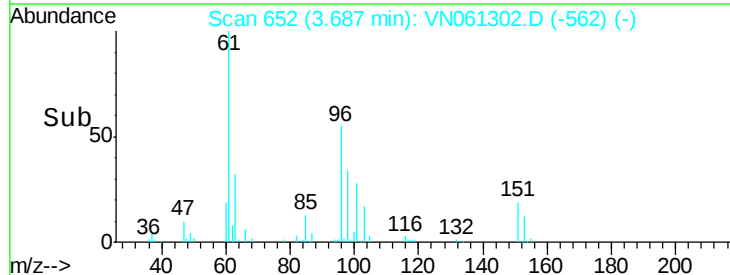
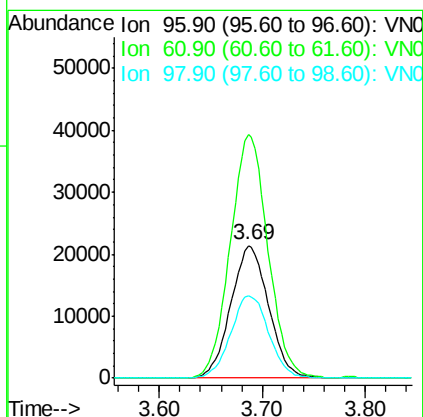
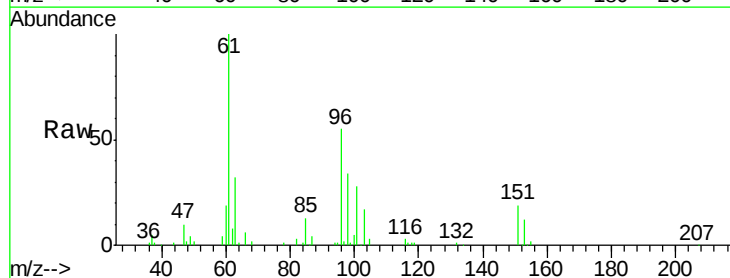
MMDadoda
5/7/2020 10:36:27 AM

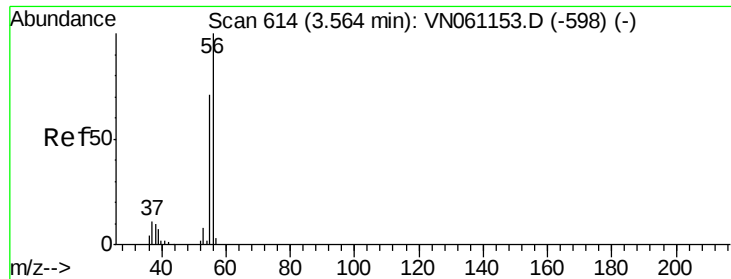


#12

1,1-Dichloroethene
Concen: 47.577 ug/l
RT: 3.69 min Scan# 652
Delta R.T. -0.01 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Tgt Ion: 96 Resp: 54635
Ion Ratio Lower Upper
96 100
61 183.3 147.0 220.6
98 62.1 49.8 74.6





#13

Acrolein

Concen: 230.613 ug/l

RT: 3.56 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 35454

Ion Ratio Lower Upper

56 100

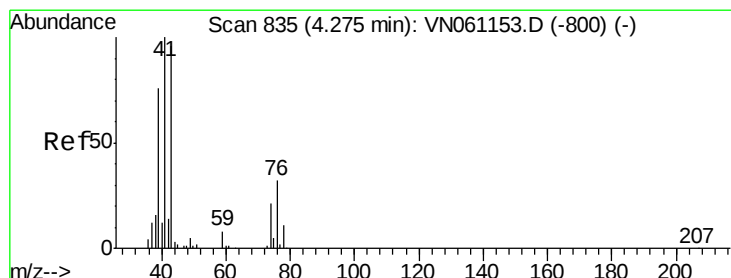
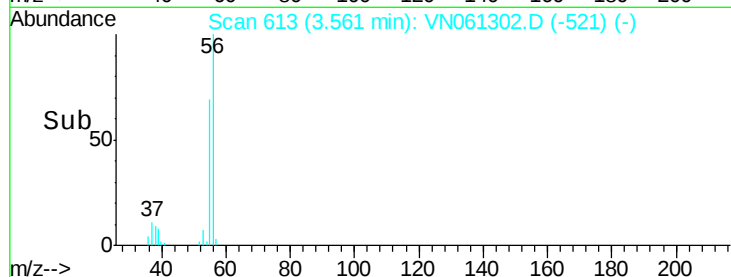
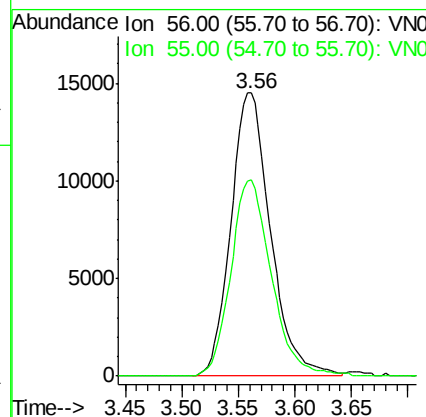
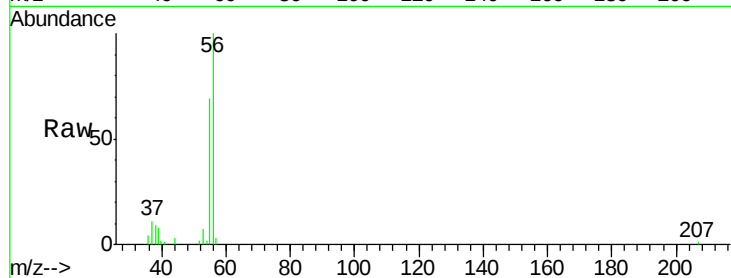
55 70.8 58.5 87.7

Manual Integrations

APPROVED

MMDadoda

5/7/2020 10:36:27 AM



#14

Allyl chloride

Concen: 55.942 ug/l

RT: 4.27 min Scan# 833

Delta R.T. -0.01 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

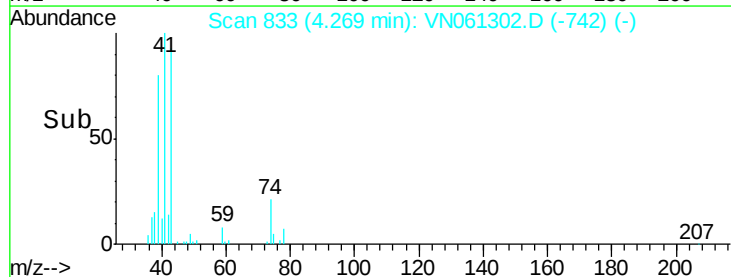
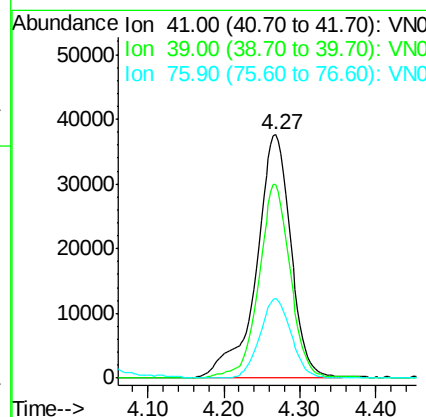
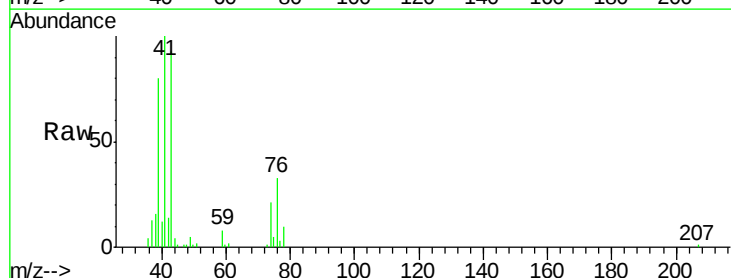
Tgt Ion: 41 Resp: 119114

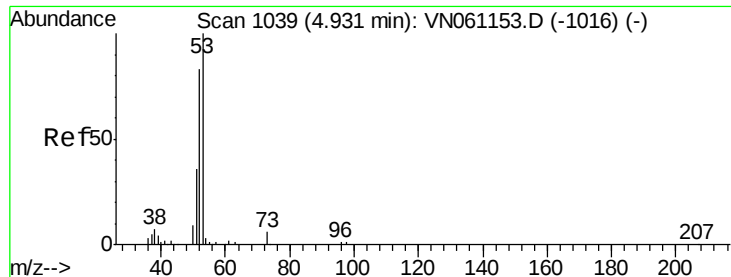
Ion Ratio Lower Upper

41 100

39 72.4 57.1 85.7

76 29.2 24.3 36.5





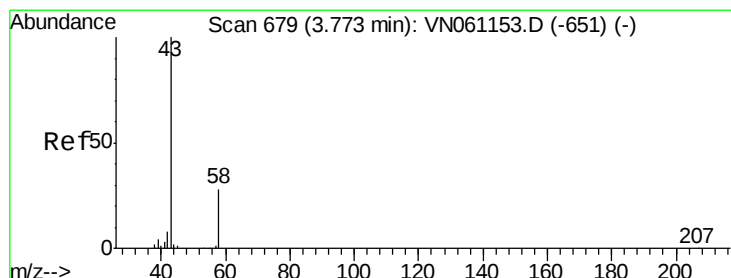
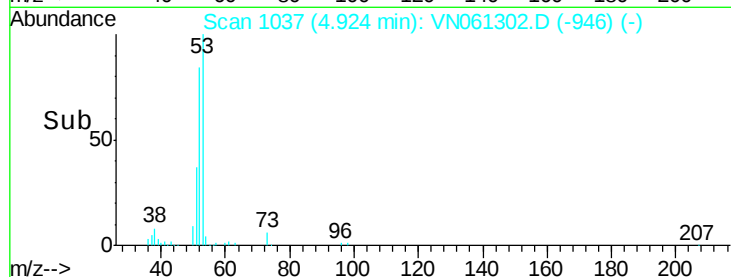
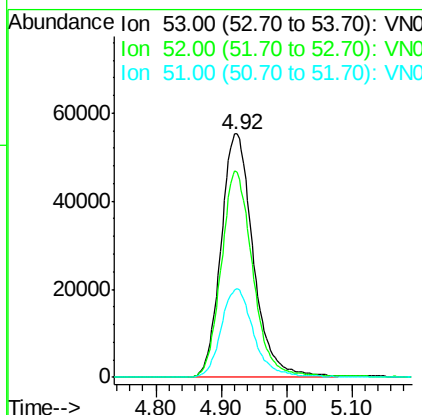
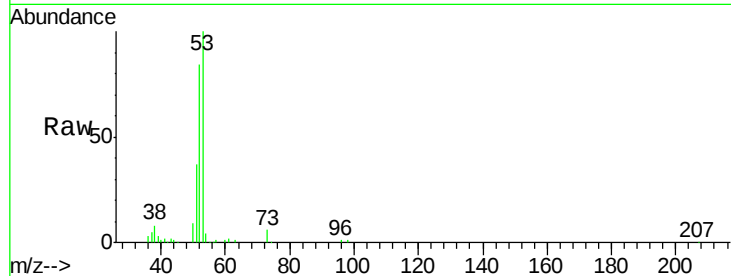
#15
 Acrylonitrile
 Concen: 267.852 ug/l
 RT: 4.92 min Scan# 1037
 Delta R.T. -0.01 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	189688
Ion Ratio	Lower	Upper	
53	100		
52	82.8	65.4	98.0
51	36.7	29.5	44.3

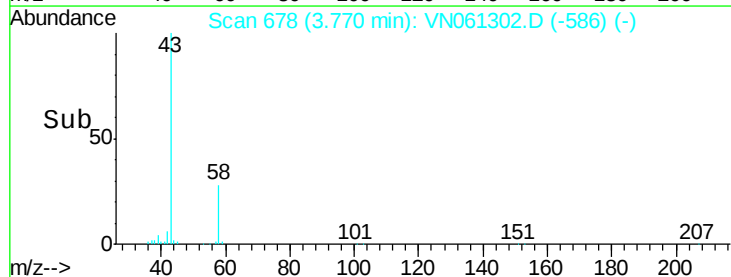
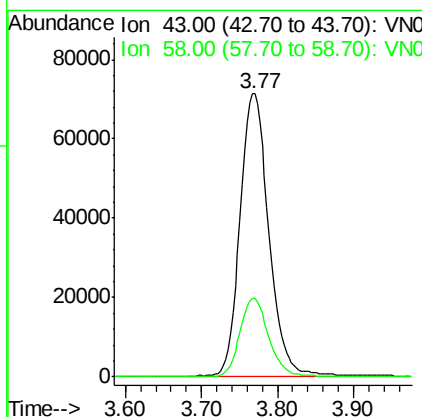
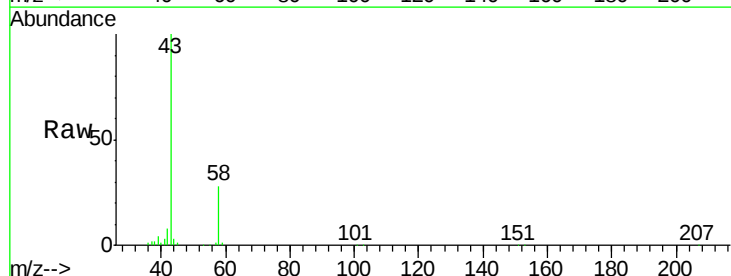
Manual Integrations
 APPROVED

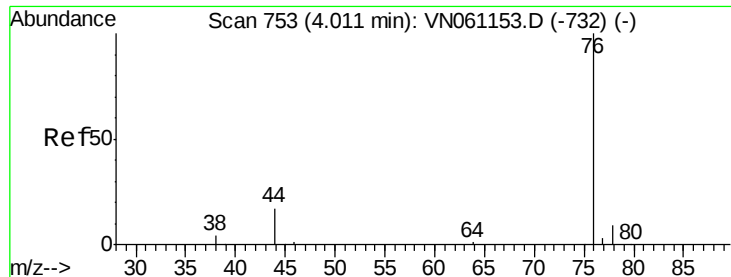
MMDadoda
 5/7/2020 10:36:27 AM



#16
 Acetone
 Concen: 284.684 ug/l
 RT: 3.77 min Scan# 678
 Delta R.T. -0.00 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

Tgt Ion:	43	Resp:	189102
Ion Ratio	Lower	Upper	
43	100		
58	27.6	22.2	33.2





#17

Carbon Disulfide

Concen: 36.525 ug/l

RT: 4.00 min Scan# 750

Delta R.T. -0.01 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 115860

Ion Ratio Lower Upper

76 100

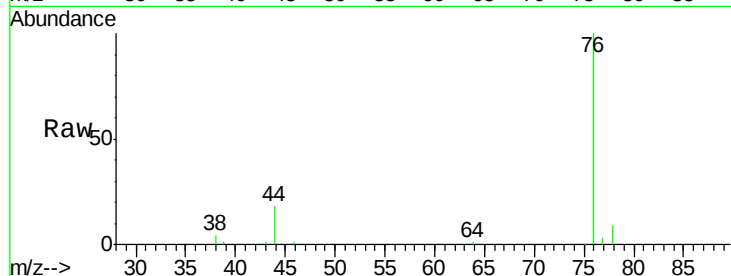
78 9.1 7.2 10.8

Manual Integrations

APPROVED

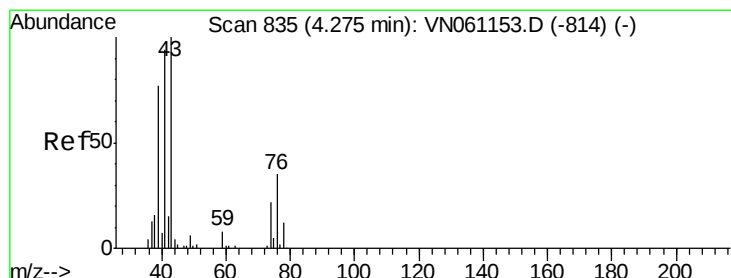
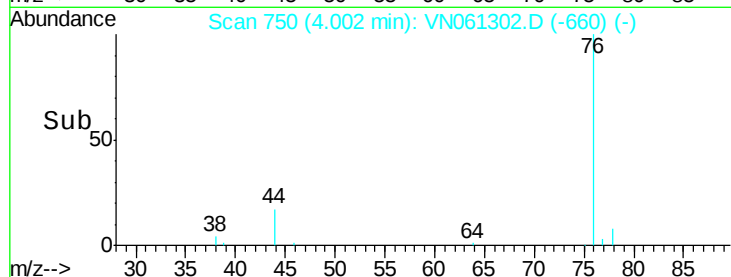
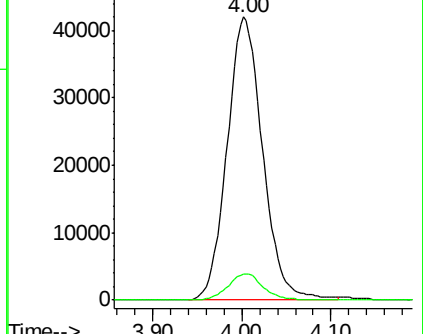
MMDadoda

5/7/2020 10:36:27 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 46.696 ug/l

RT: 4.27 min Scan# 833

Delta R.T. -0.01 min

Lab File: VN061302.D

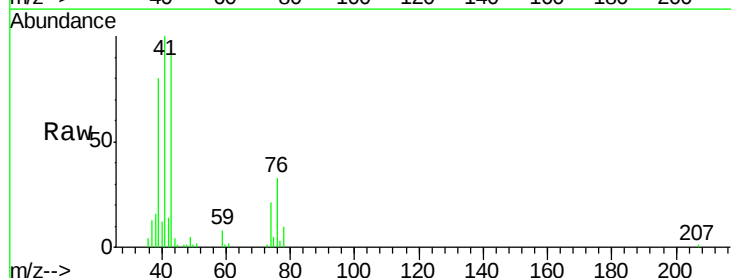
Acq: 6 May 2020 11:14

Tgt Ion: 43 Resp: 101414

Ion Ratio Lower Upper

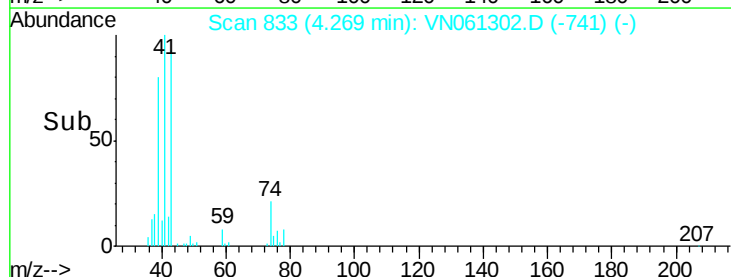
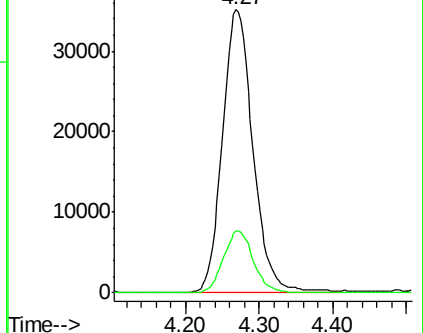
43 100

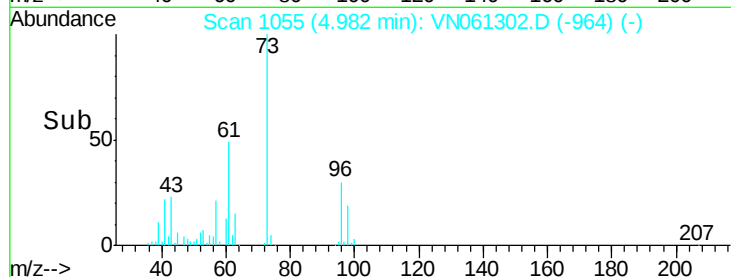
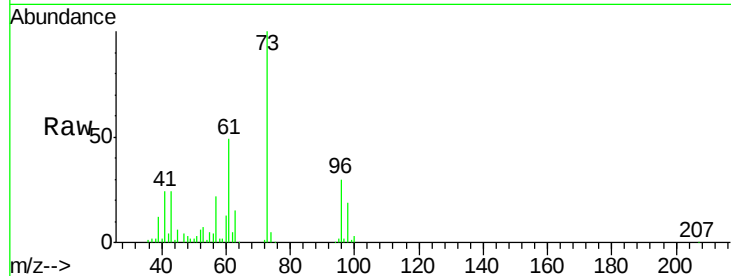
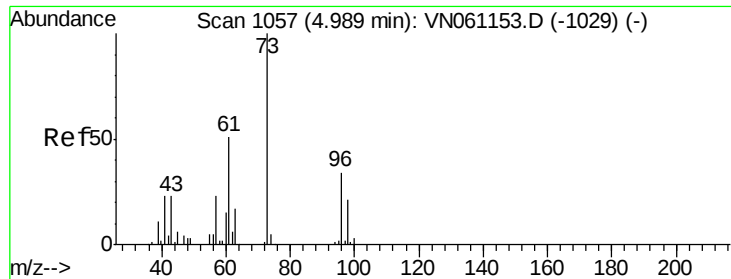
74 21.3 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





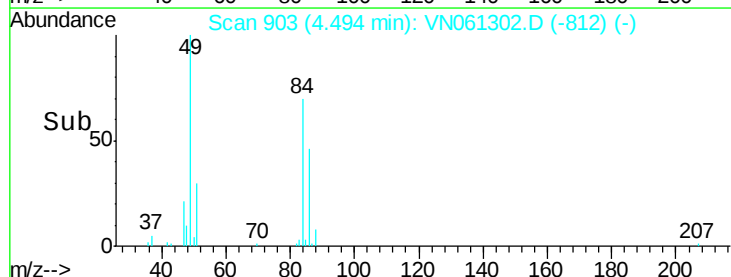
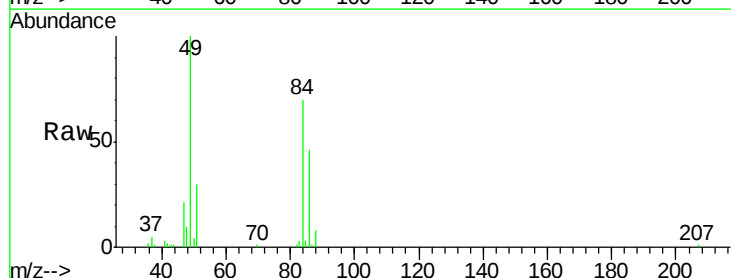
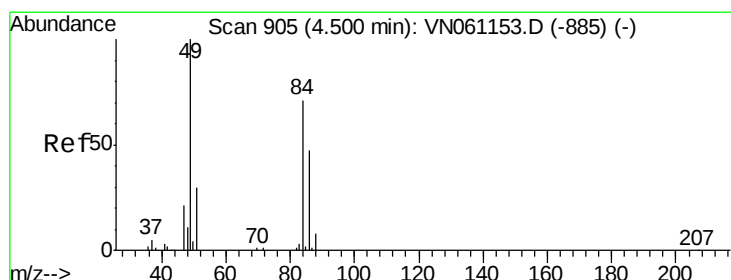
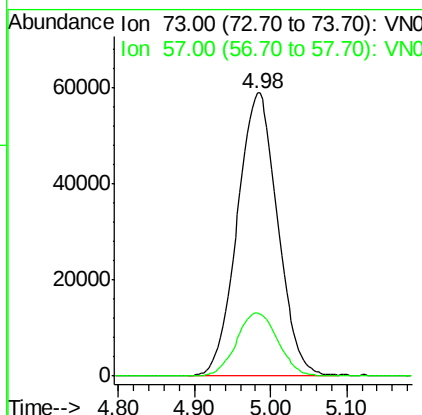
#19
Methyl tert-butyl Ether
Concen: 49.556 ug/l
RT: 4.98 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Tot Ion: 73 Resp: 217449
Ion Ratio Lower Upper
73 100
57 22.3 18.3 27.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

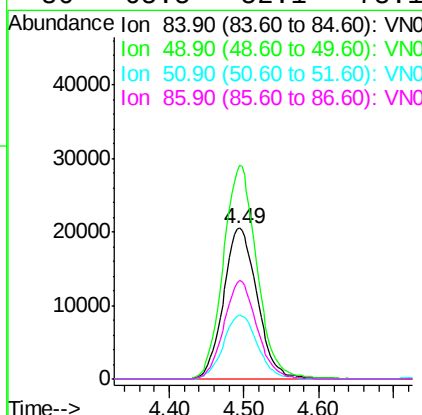
Manual Integrations
APPROVED

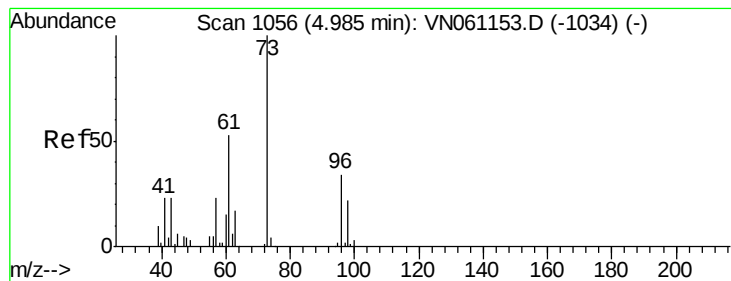
MMDadoda
5/7/2020 10:36:27 AM



#20
Methylene Chloride
Concen: 47.816 ug/l
RT: 4.49 min Scan# 903
Delta R.T. -0.01 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Tgt Ion: 84 Resp: 64211
Ion Ratio Lower Upper
84 100
49 141.9 112.0 168.0
51 42.7 33.6 50.4
86 65.5 52.1 78.1





#21

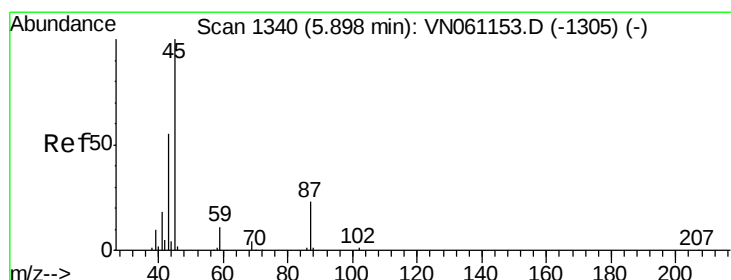
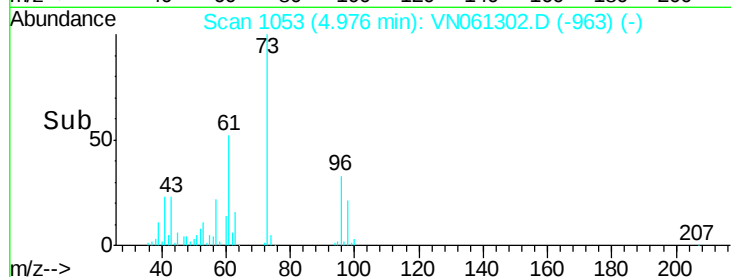
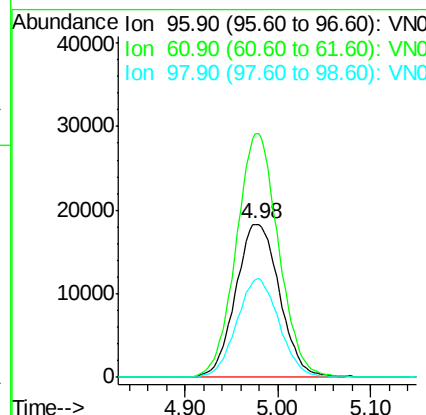
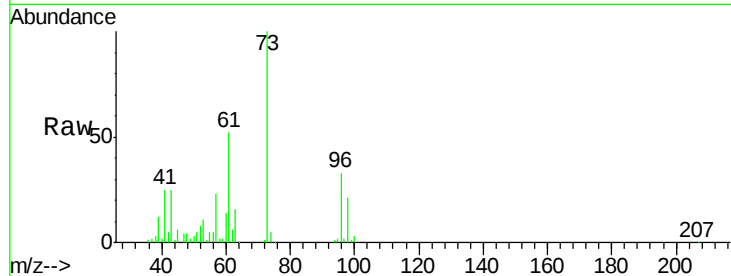
trans-1,2-Dichloroethene
Concen: 48.029 ug/l
RT: 4.98 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.9	123.0	184.4
98	63.9	50.1	75.1

Manual Integrations
APPROVED

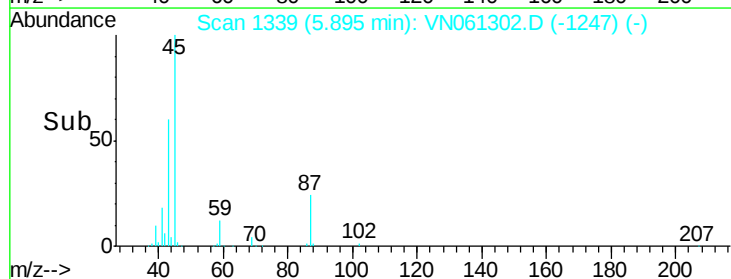
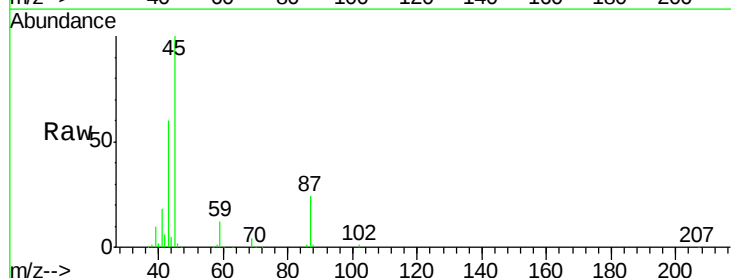
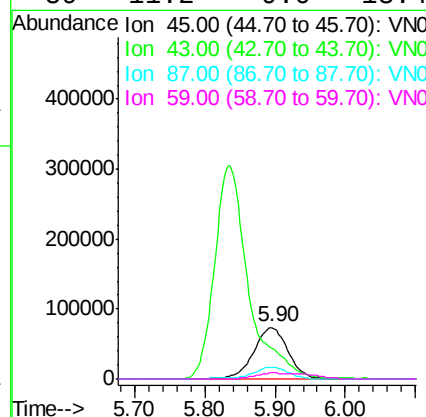
MMDadoda
5/7/2020 10:36:27 AM

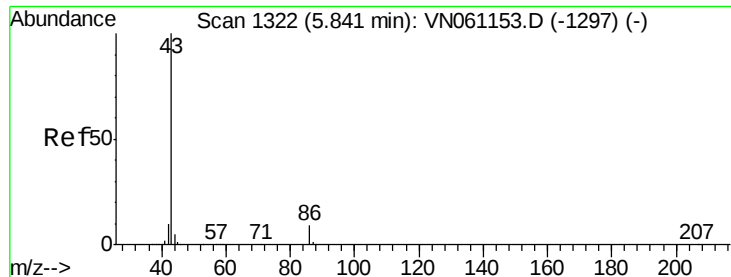


#22

Diisopropyl ether
Concen: 50.608 ug/l
RT: 5.90 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.6	47.9	71.9
87	23.6	19.2	28.8
59	11.2	9.0	13.4





#23

Vinyl Acetate

Concen: 257.481 ug/l

RT: 5.83 min Scan# 1320

Delta R.T. -0.01 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1023635

Ion Ratio Lower Upper

43 100

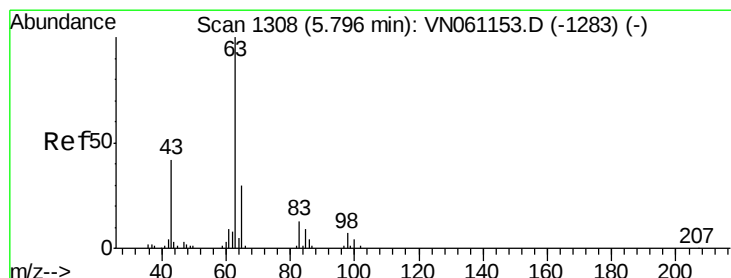
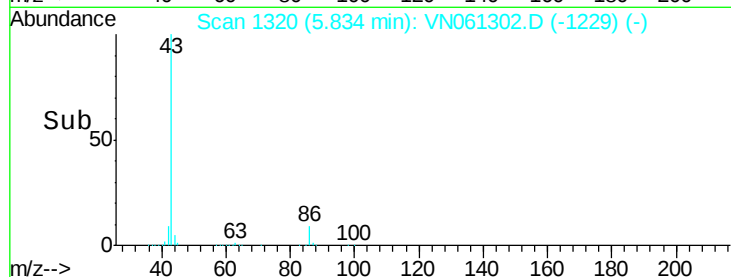
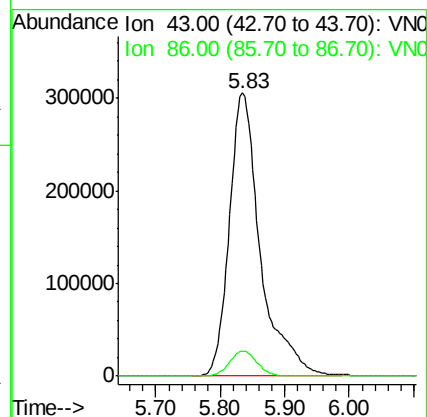
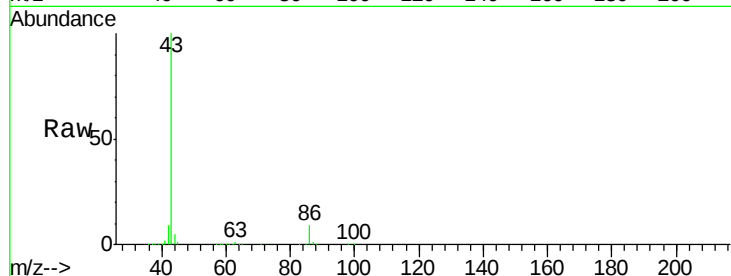
86 8.9 7.2 10.8

Manual Integrations

APPROVED

MMDadoda

5/7/2020 10:36:27 AM



#24

1,1-Dichloroethane

Concen: 48.512 ug/l

RT: 5.79 min Scan# 1306

Delta R.T. -0.01 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

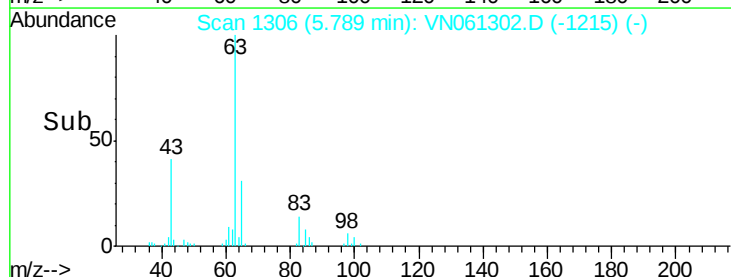
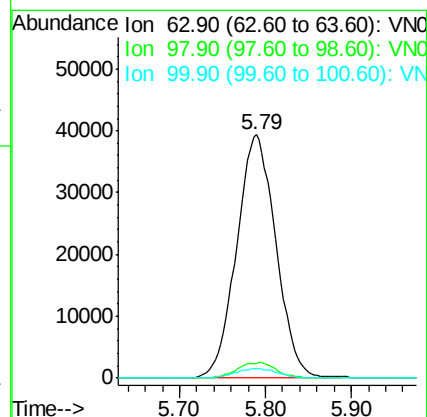
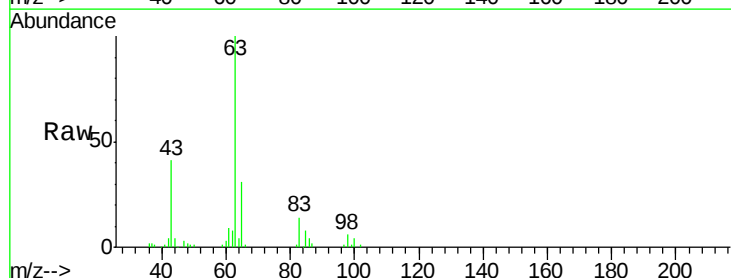
Tgt Ion: 63 Resp: 125148

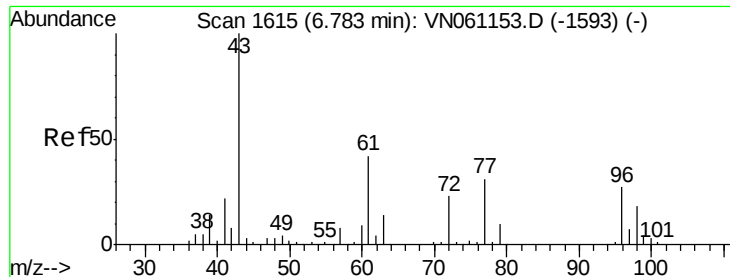
Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.9

100 4.0 1.9 5.7





#25

2-Butanone

Concen: 280.586 ug/l

RT: 6.78 min Scan# 1614

Delta R.T. -0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 285935

Ion Ratio Lower Upper

43 100

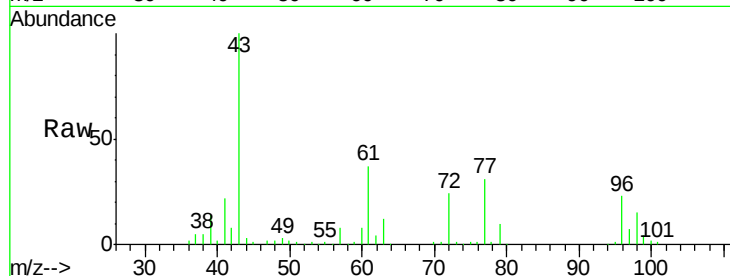
72 23.6 18.2 27.4

Manual Integrations

APPROVED

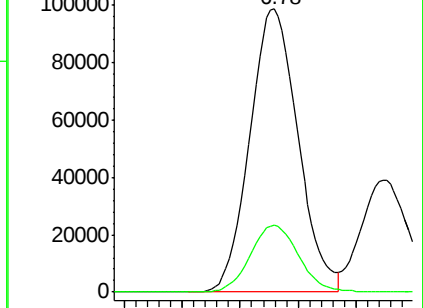
MMDadoda

5/7/2020 10:36:27 AM

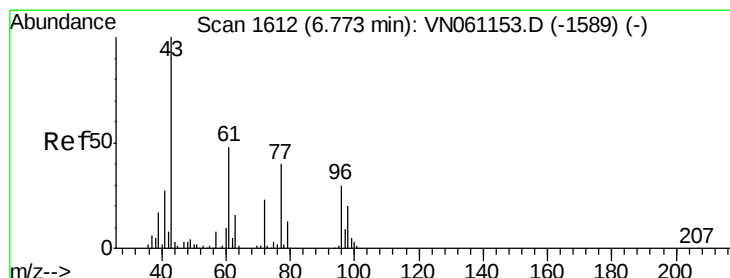
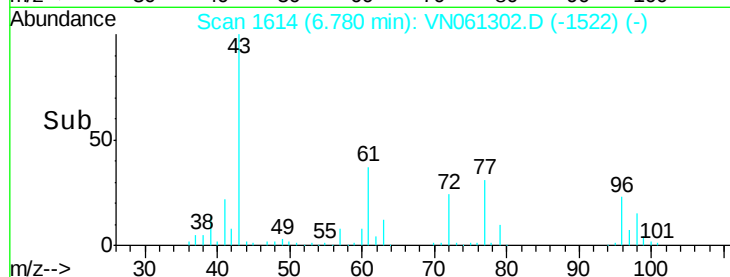


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time-->



#26

2,2-Dichloropropane

Concen: 52.566 ug/l

RT: 6.77 min Scan# 1610

Delta R.T. -0.01 min

Lab File: VN061302.D

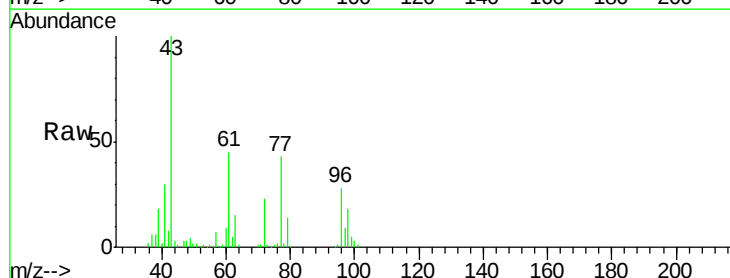
Acq: 6 May 2020 11:14

Tgt Ion: 77 Resp: 114220

Ion Ratio Lower Upper

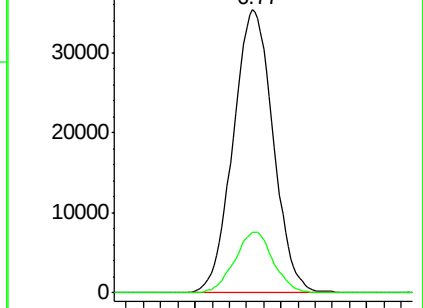
77 100

97 20.6 10.5 31.5

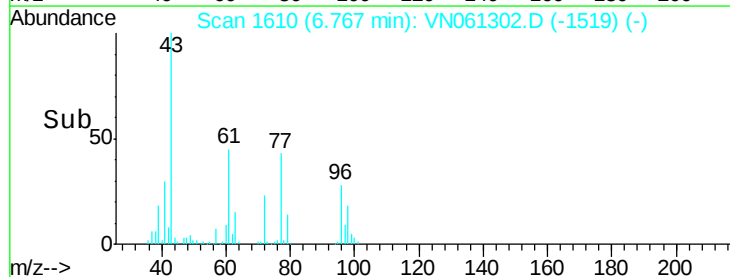


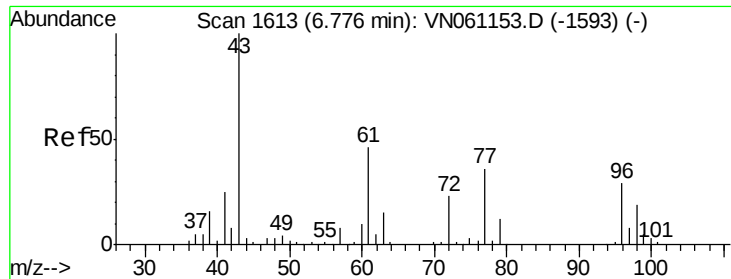
Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0



Time-->





#27

cis-1,2-Dichloroethene

Concen: 48.127 ug/l

RT: 6.77 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

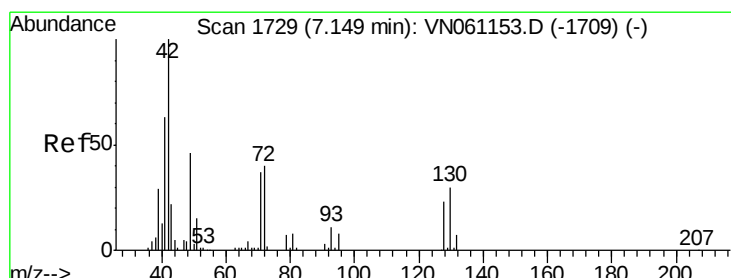
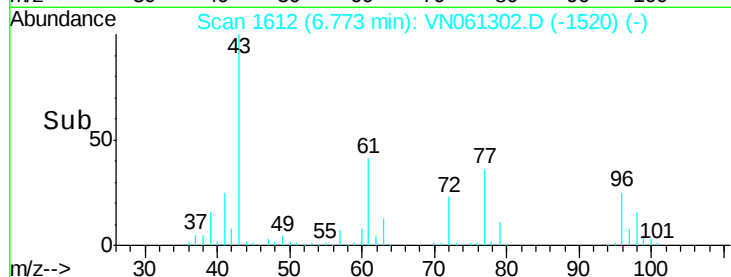
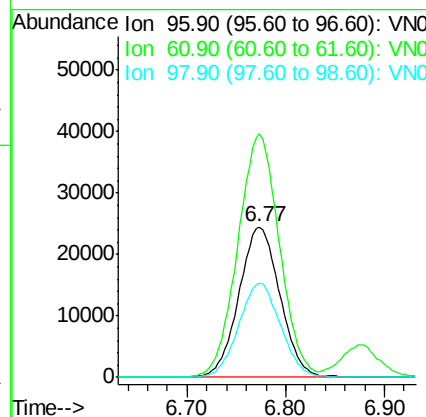
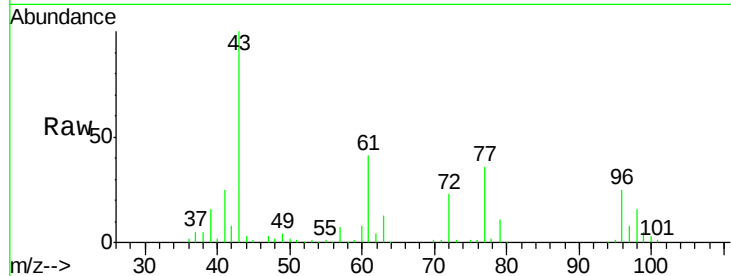
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	70622
Ion	Ratio	Lower	Upper
96	100		
61	164.1	0.0	322.0
98	63.9	0.0	129.6

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:27 AM



#28

Bromochloromethane

Concen: 50.353 ug/l

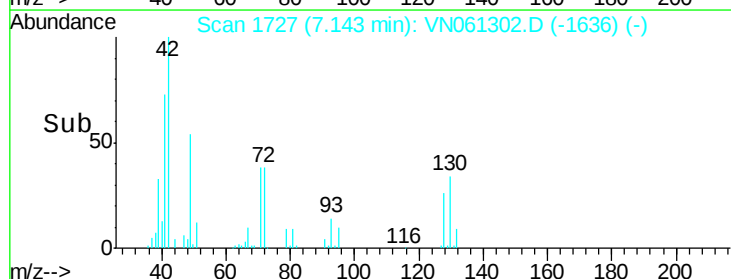
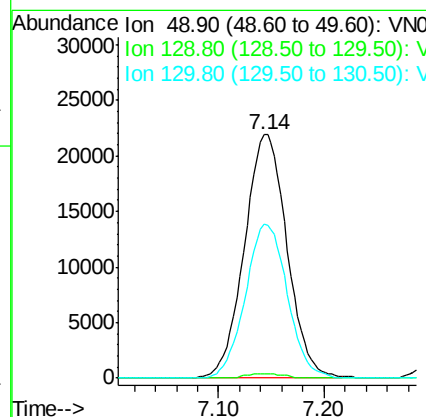
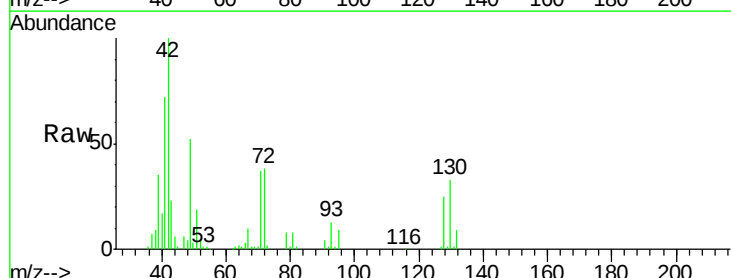
RT: 7.14 min Scan# 1727

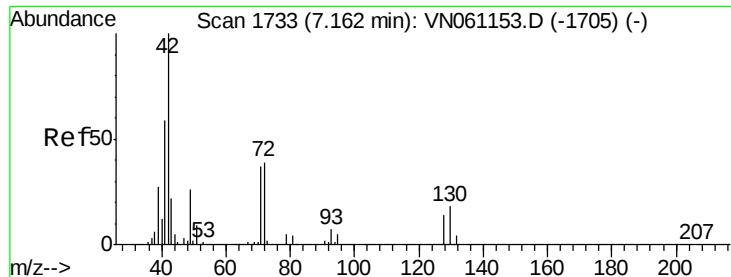
Delta R.T. -0.01 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Tgt Ion:	49	Resp:	61569
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.0
130	62.2	51.4	77.2





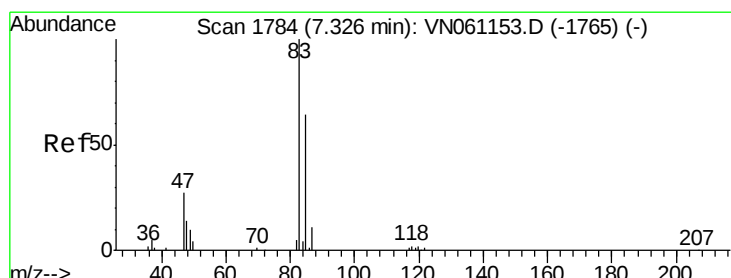
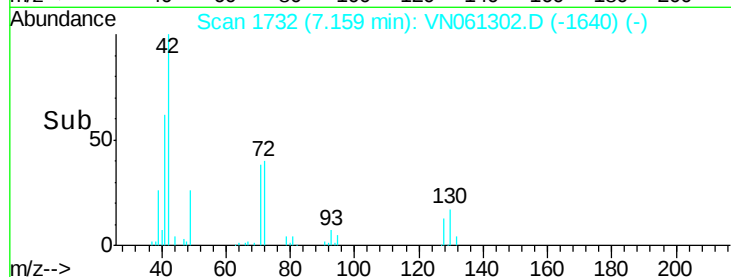
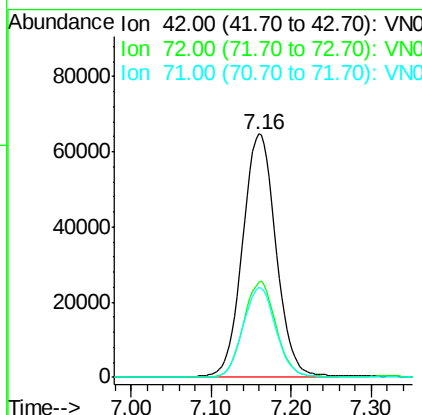
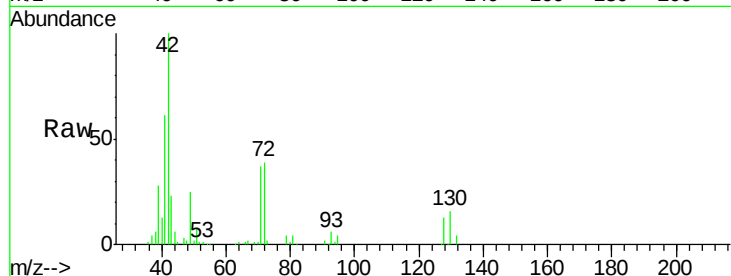
#29
Tetrahydrofuran
Concen: 267.792 ug/l
RT: 7.16 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
42	100	183829		
72	38.4		31.4	47.0
71	36.3		29.5	44.3

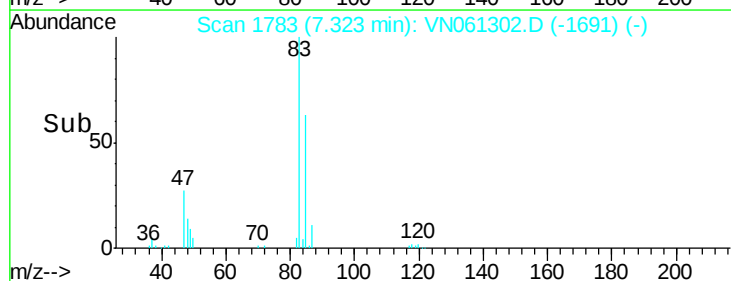
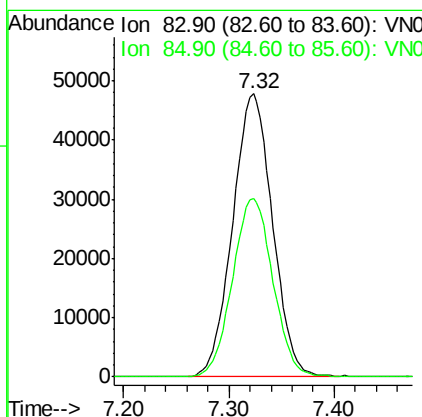
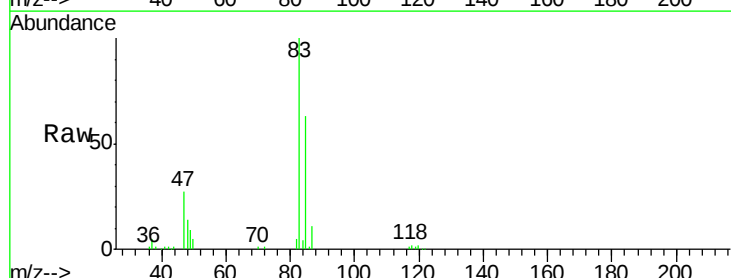
Manual Integrations
APPROVED

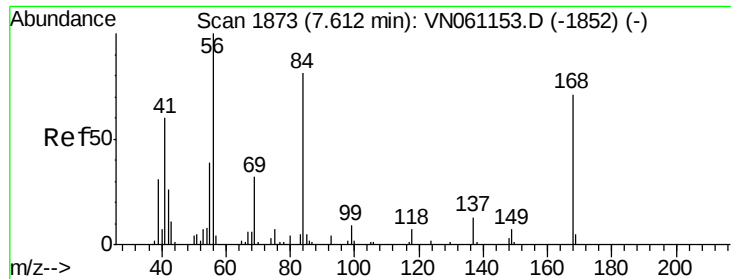
MMDadoda
5/7/2020 10:36:27 AM



#30
Chloroform
Concen: 48.021 ug/l
RT: 7.32 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	125542		
85	62.9		51.1	76.7





#31

Cyclohexane

Concen: 43.501 ug/l

RT: 7.61 min Scan# 1871

Delta R.T. -0.01 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

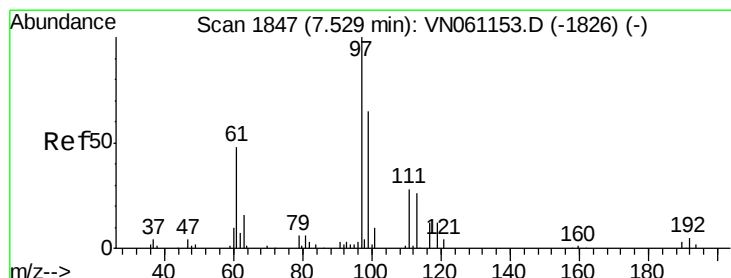
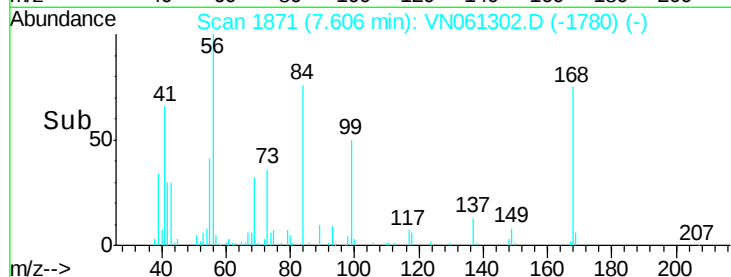
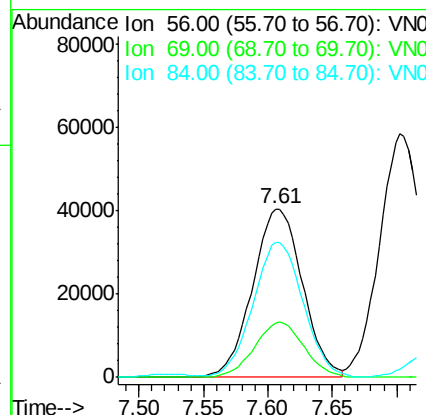
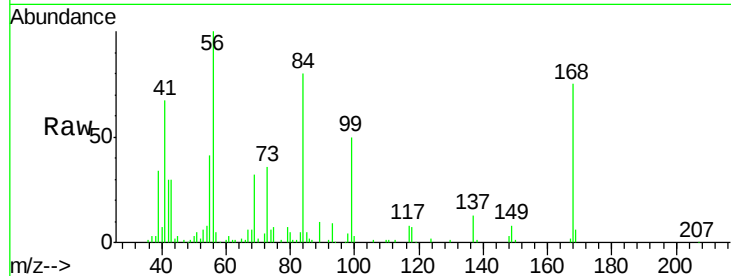
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	108985
Ion Ratio	Lower	Upper	
56	100		
69	31.9	25.7	38.5
84	79.1	64.6	97.0

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:27 AM



#32

1,1,1-Trichloroethane

Concen: 47.519 ug/l

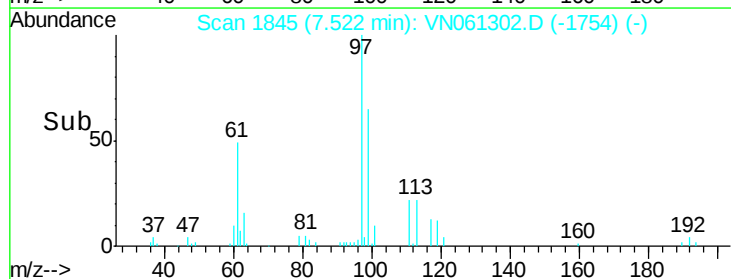
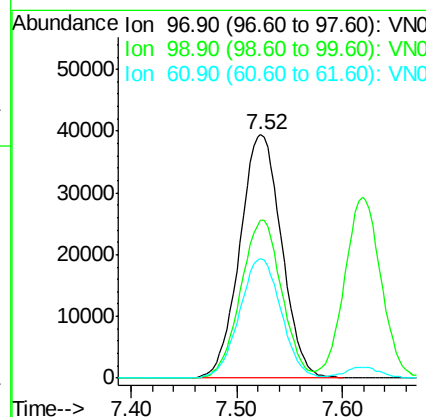
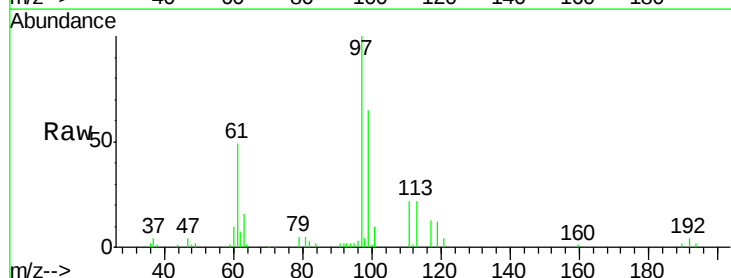
RT: 7.52 min Scan# 1845

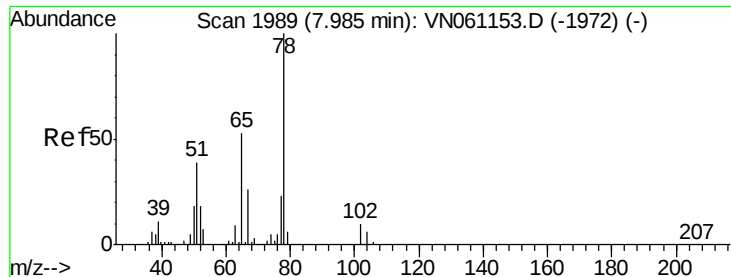
Delta R.T. -0.01 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Tgt Ion:	97	Resp:	108177
Ion Ratio	Lower	Upper	
97	100		
99	63.8	51.3	76.9
61	48.9	38.6	57.8





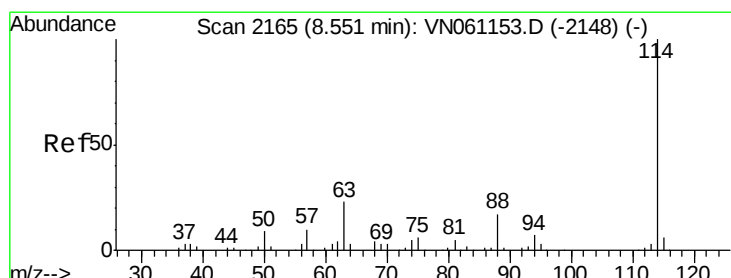
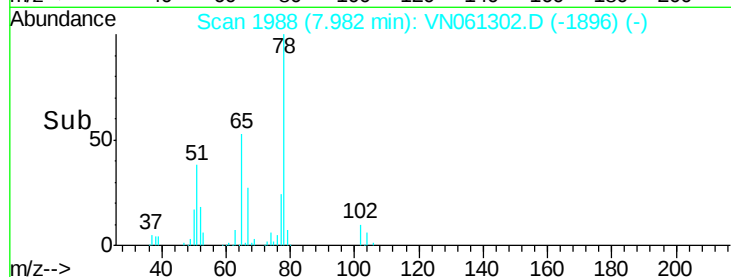
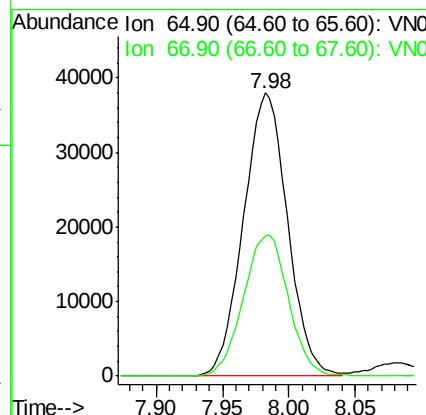
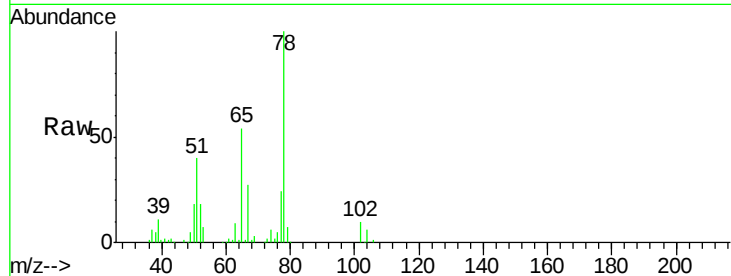
#33
 1,2-Dichloroethane-d4
 Concen: 50.960 ug/l
 RT: 7.98 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	101.6

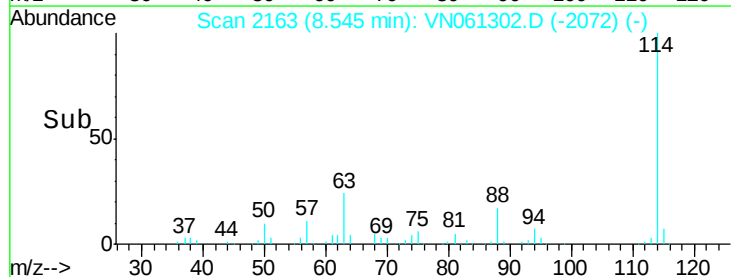
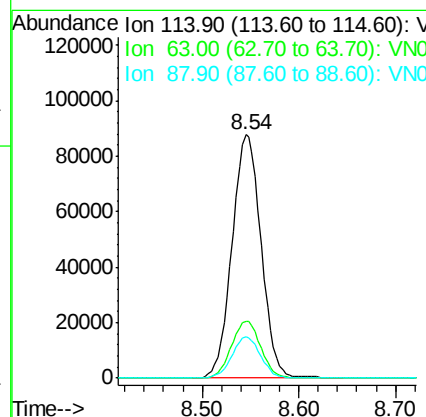
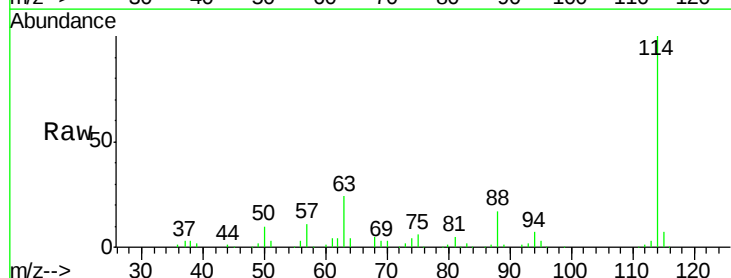
Manual Integrations
 APPROVED

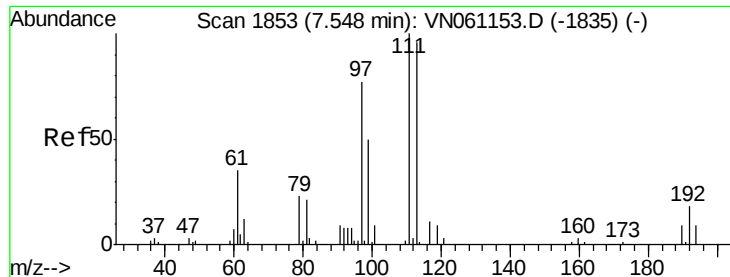
MMDadoda
 5/7/2020 10:36:27 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.54 min Scan# 2163
 Delta R.T. -0.01 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	46.6
88	17.0	0.0	33.4





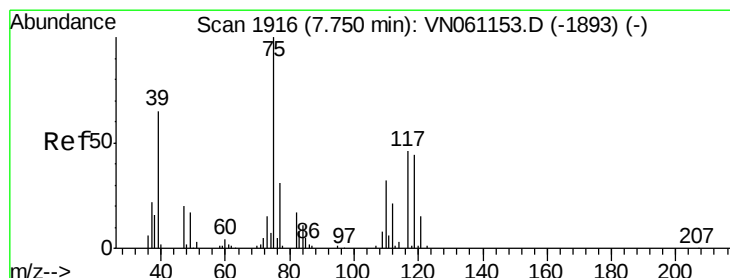
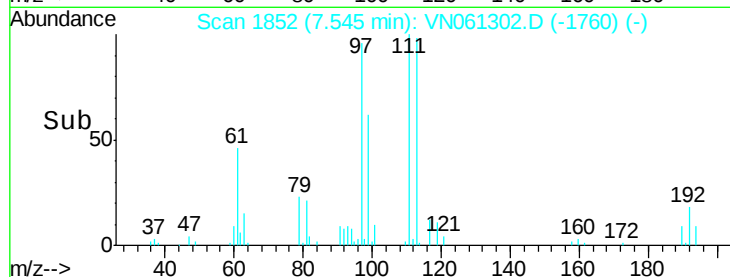
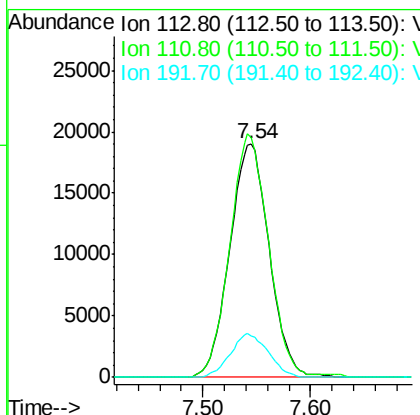
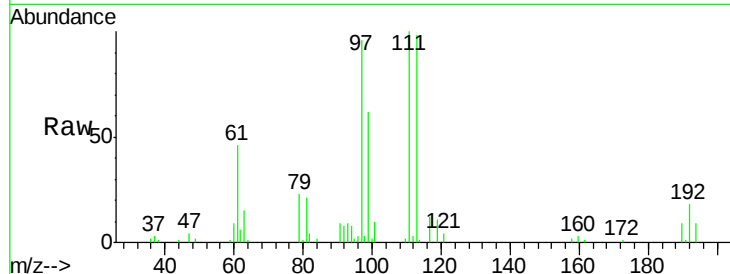
#35
Dibromofluoromethane
Concen: 44.766 ug/l
RT: 7.54 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.9	124.3
192	17.9	14.7	22.1

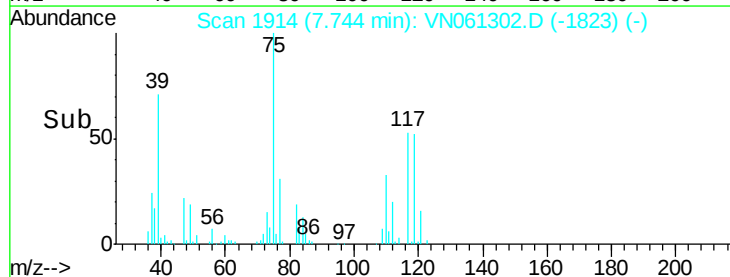
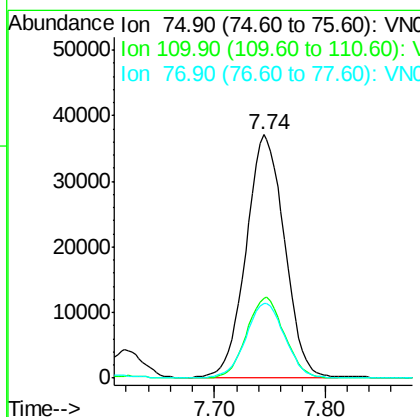
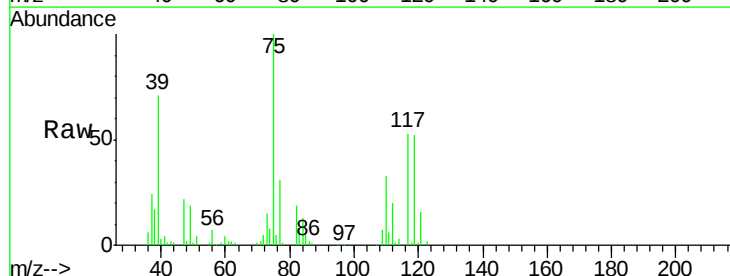
Manual Integrations
APPROVED

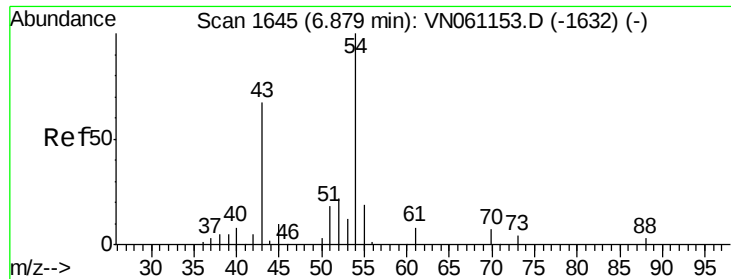
MMDadoda
5/7/2020 10:36:27 AM



#36
1,1-Dichloropropene
Concen: 49.022 ug/l
RT: 7.74 min Scan# 1914
Delta R.T. -0.01 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.3	16.0	48.0
77	31.1	24.6	37.0





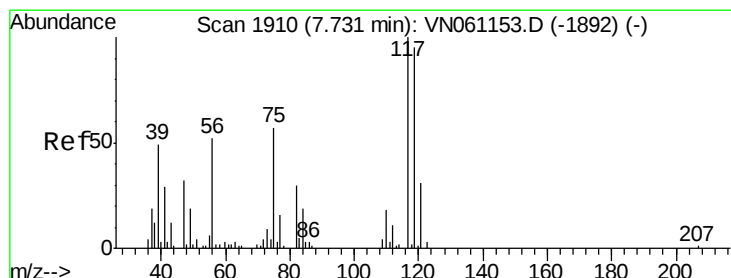
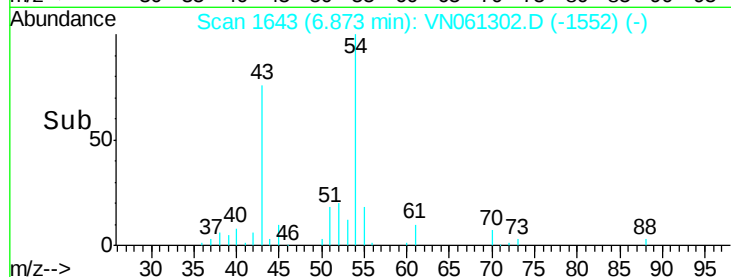
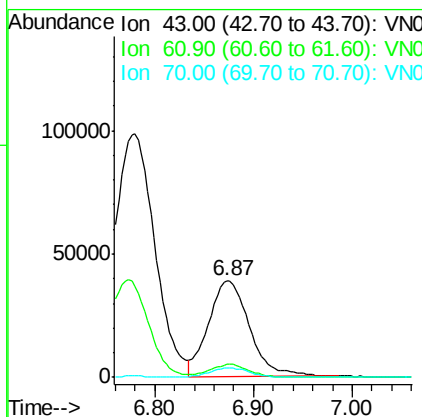
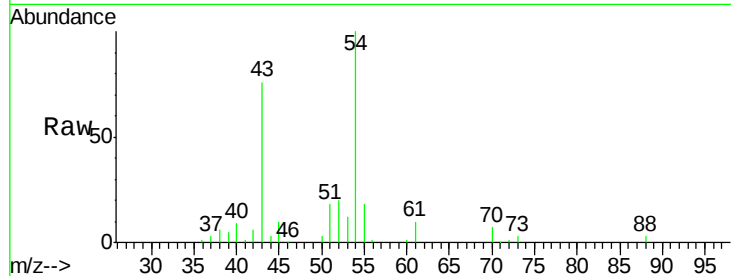
#37
Ethyl Acetate
Concen: 52.521 ug/l
RT: 6.87 min Scan# 1643
Delta R.T. -0.01 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	10.2	15.2
70	9.4	7.2	10.8

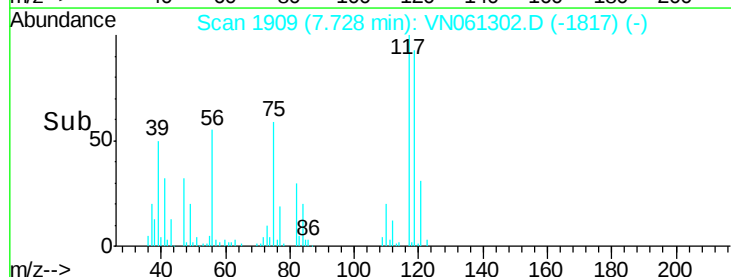
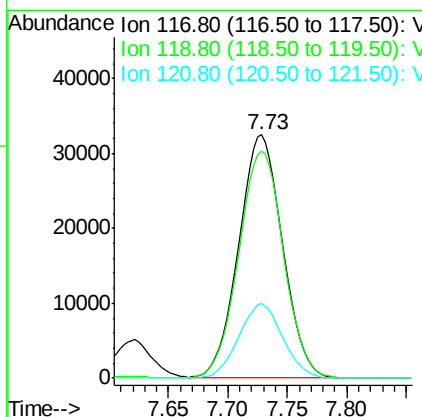
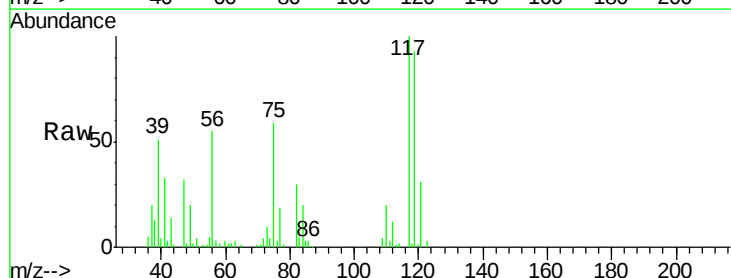
Manual Integrations
APPROVED

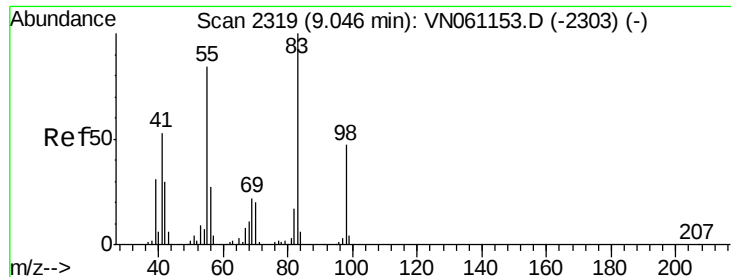
MMDadoda
5/7/2020 10:36:27 AM



#38
Carbon Tetrachloride
Concen: 49.662 ug/l
RT: 7.73 min Scan# 1909
Delta R.T. -0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	75.8	113.6
121	30.6	24.7	37.1





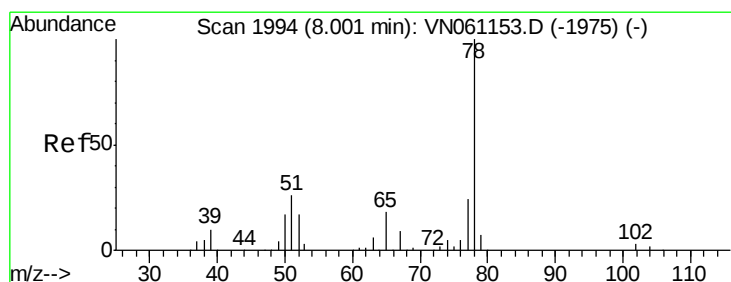
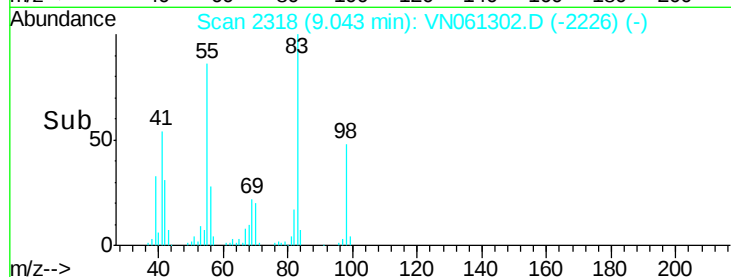
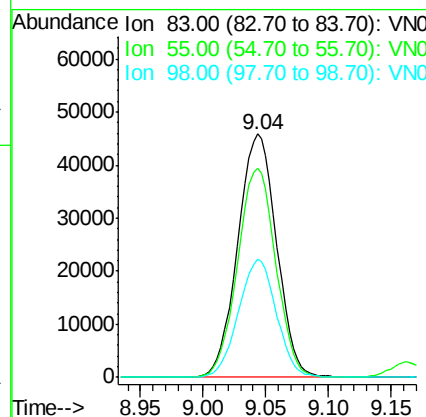
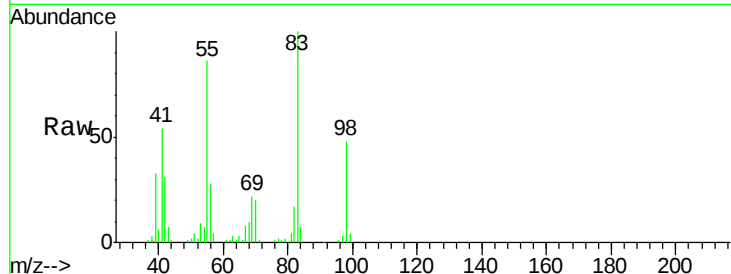
#39
Methvlcvclohexane
Concen: 47.986 ug/l
RT: 9.04 min Scan# 2318
Delta R.T. -0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.0	67.3	100.9
98	48.4	37.7	56.5

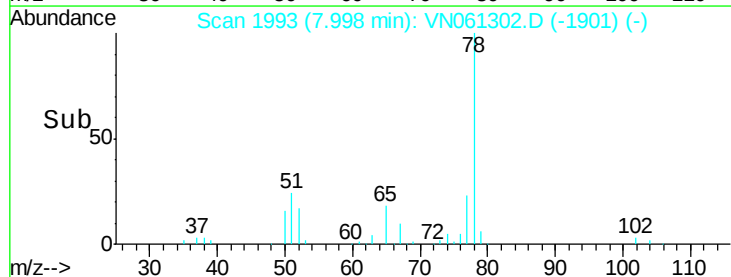
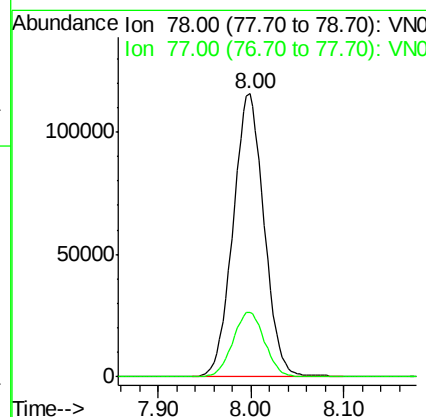
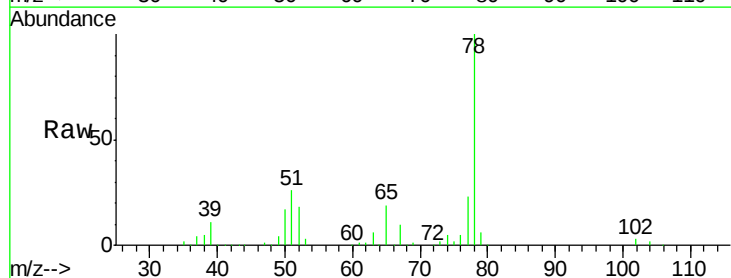
Manual Integrations
APPROVED

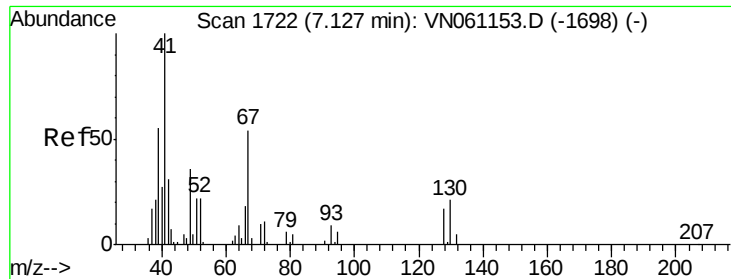
MMDadoda
5/7/2020 10:36:27 AM



#40
Benzene
Concen: 49.163 ug/l
RT: 8.00 min Scan# 1993
Delta R.T. -0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.0	28.6





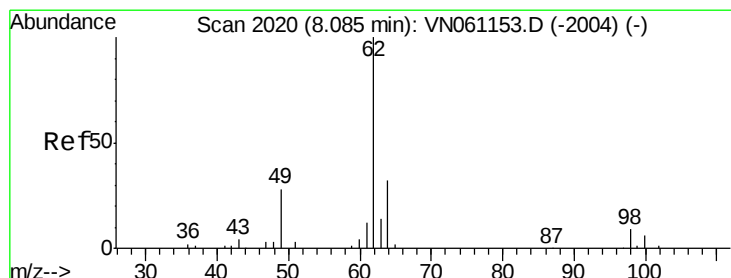
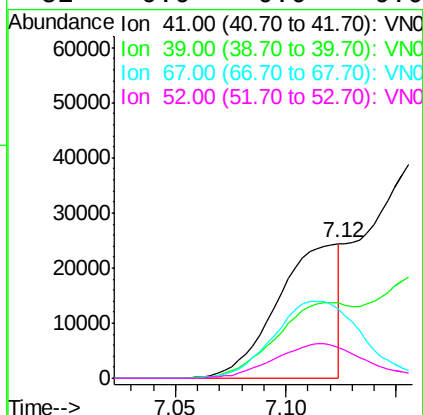
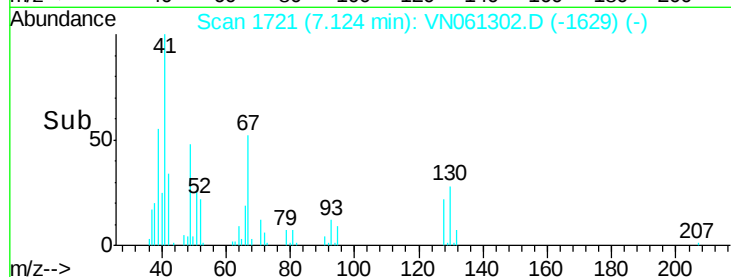
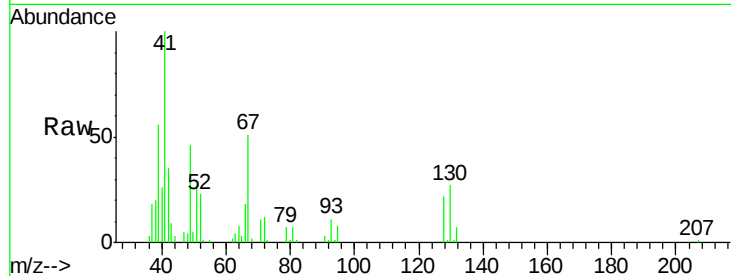
#41
Methacrylonitrile
Concen: 52.815 ug/l m
RT: 7.12 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		47114		
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

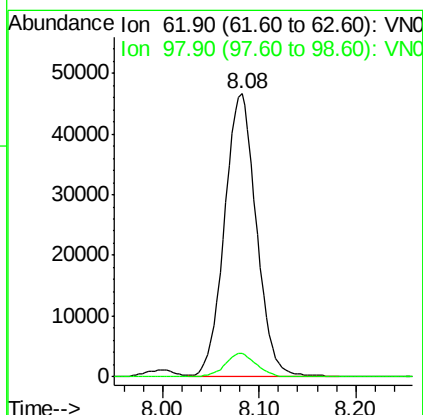
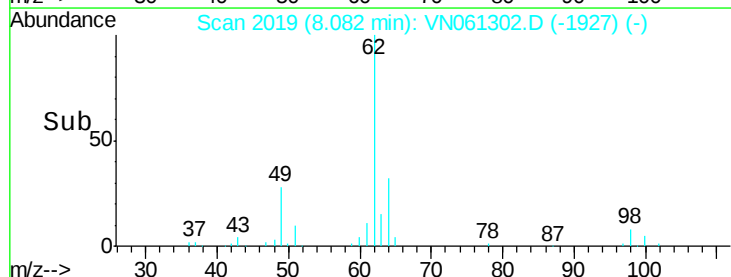
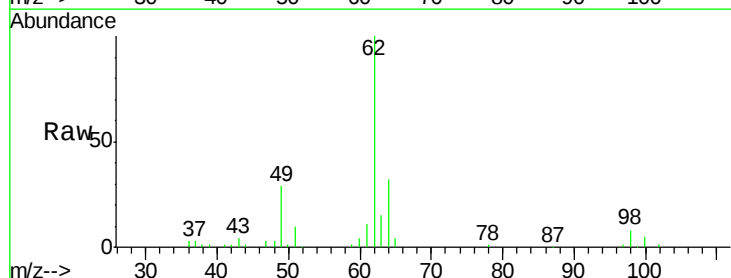
Manual Integrations
APPROVED

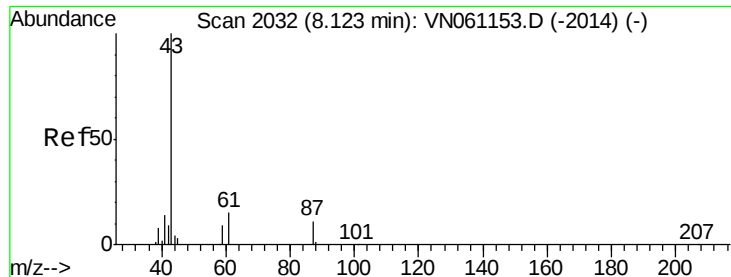
MMDadoda
5/7/2020 10:36:27 AM



#42
1,2-Dichloroethane
Concen: 51.717 ug/l
RT: 8.08 min Scan# 2019
Delta R.T. -0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		106973		
98	8.0	0.0	16.8		





#43

Isopropyl Acetate

Concen: 52.844 ug/l

RT: 8.12 min Scan# 2031

Delta R.T. -0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

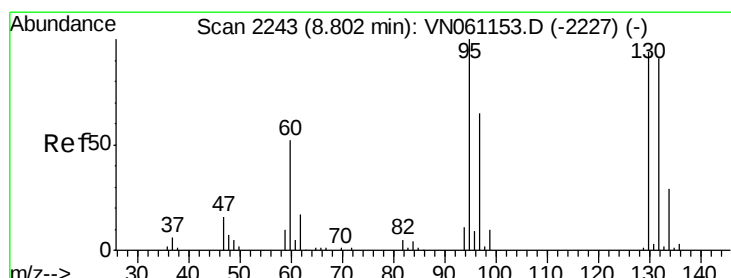
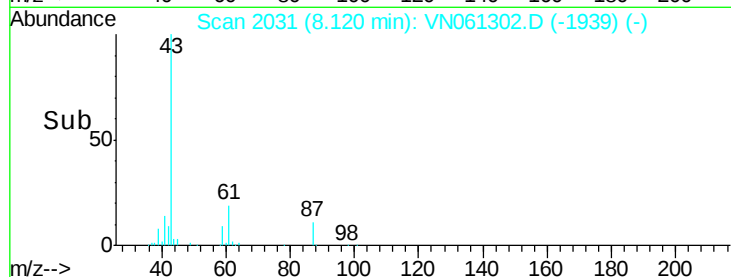
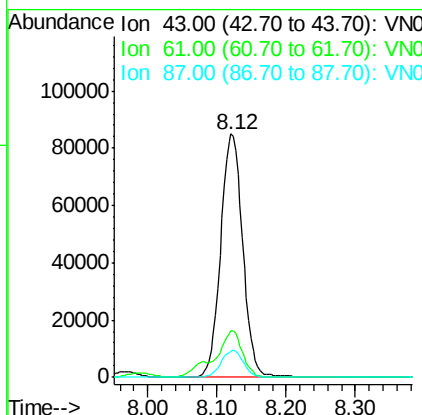
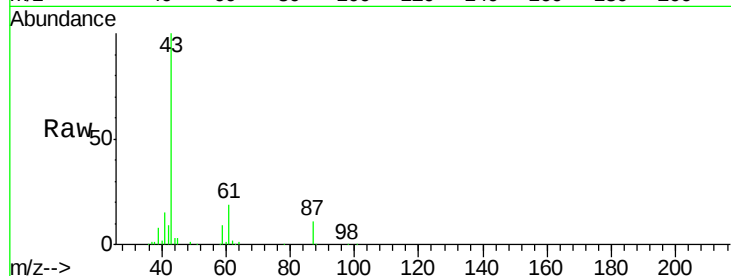
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	188426
Ion	Ratio	Lower	Upper
43	100		
61	18.8	19.5	29.3#
87	11.1	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:27 AM



#44

Trichloroethene

Concen: 46.846 ug/l

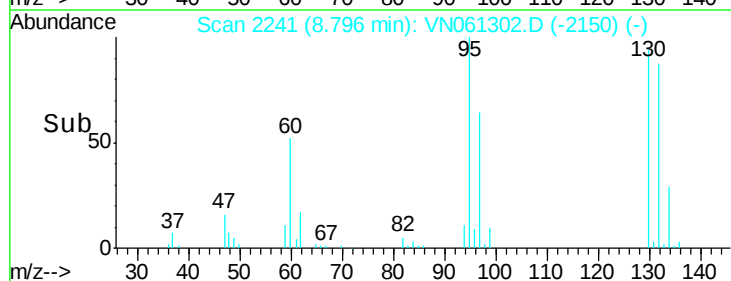
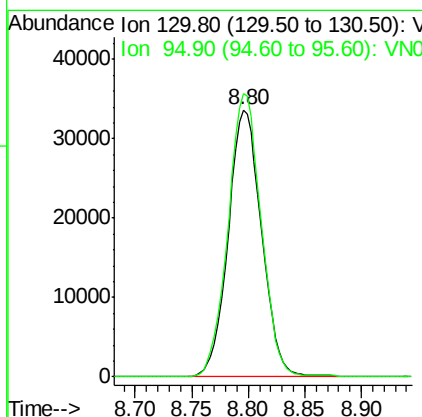
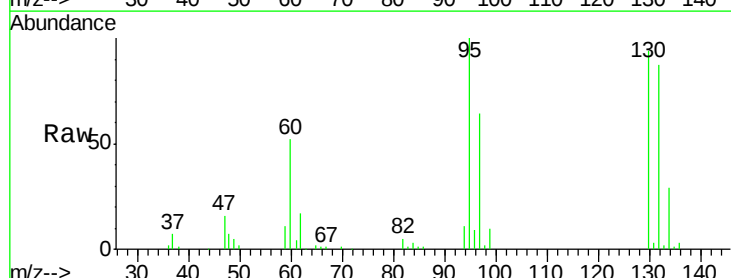
RT: 8.80 min Scan# 2241

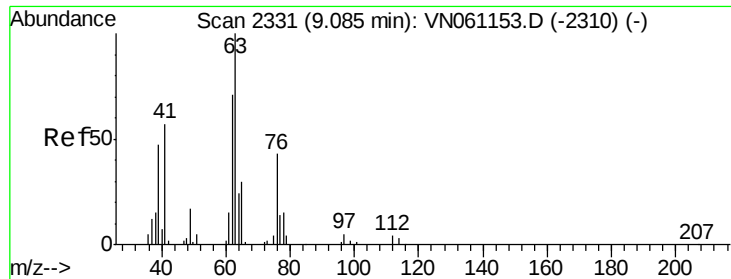
Delta R.T. -0.01 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Tgt Ion:	130	Resp:	69144
Ion	Ratio	Lower	Upper
130	100		
95	106.0	0.0	212.4





#45

1,2-Dichloropropane

Concen: 50.168 ug/l

RT: 9.08 min Scan# 2329

Delta R.T. -0.01 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 73179

Ion Ratio Lower Upper

63 100

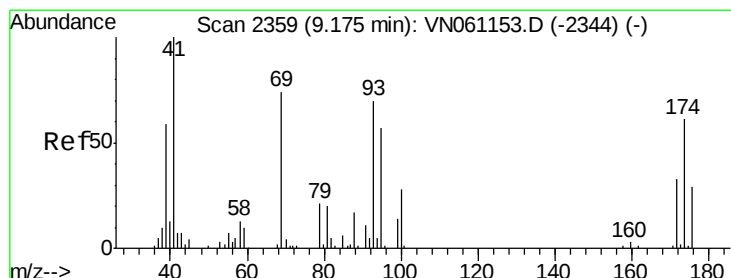
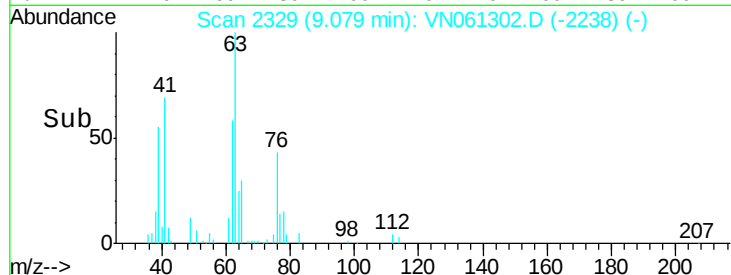
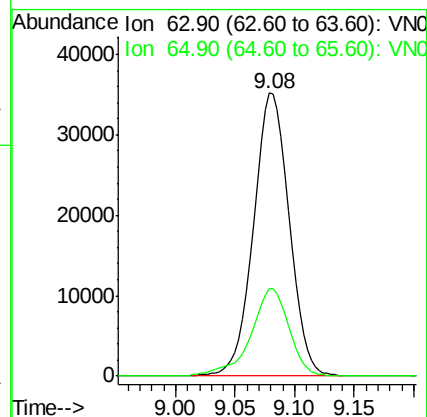
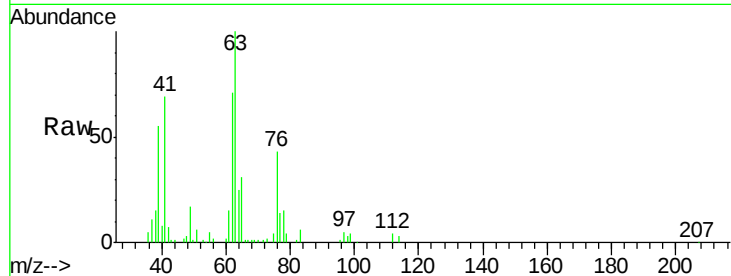
65 30.9 24.7 37.1

Manual Integrations

APPROVED

MMDadoda

5/7/2020 10:36:27 AM



#46

Dibromomethane

Concen: 50.598 ug/l

RT: 9.17 min Scan# 2357

Delta R.T. -0.01 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

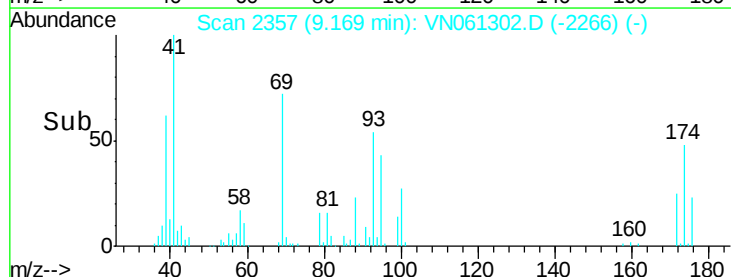
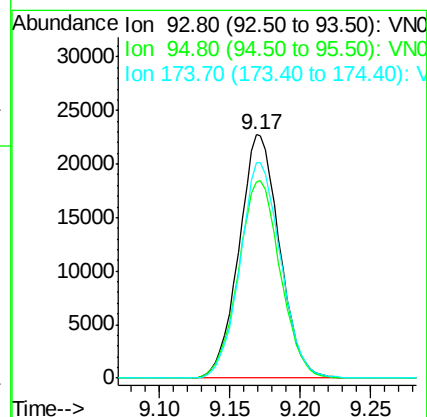
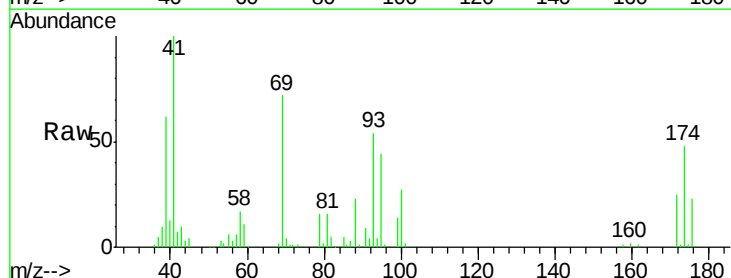
Tgt Ion: 93 Resp: 45699

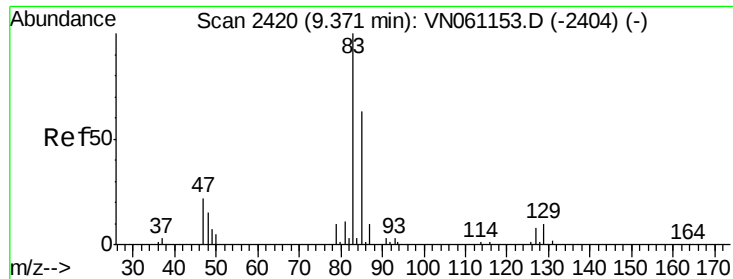
Ion Ratio Lower Upper

93 100

95 83.9 66.6 99.8

174 89.1 70.2 105.2





#47

Bromodichloromethane

Concen: 52.161 ug/l

RT: 9.37 min Scan# 2419

Delta R.T. -0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

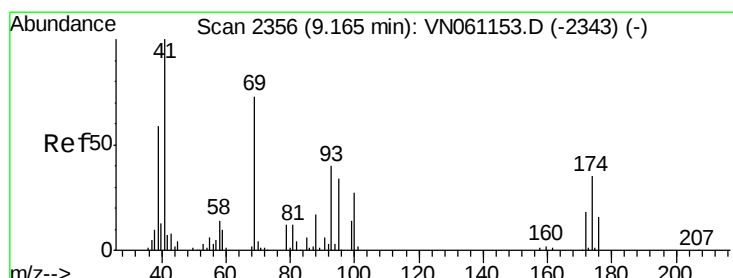
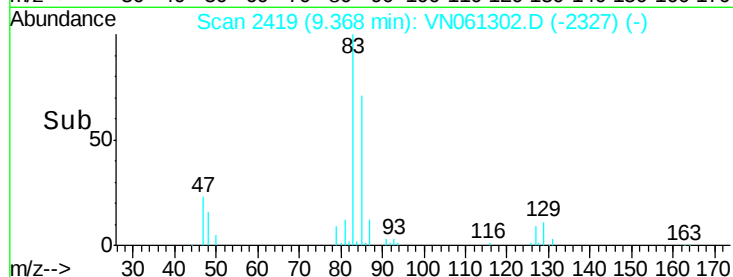
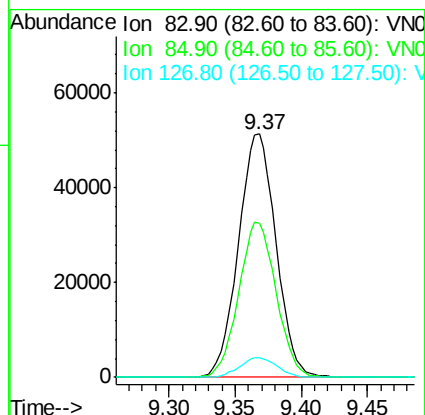
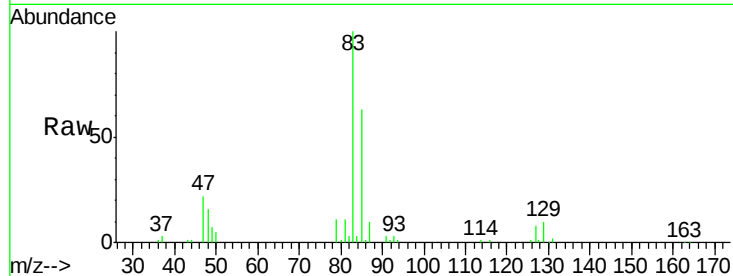
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	101118
Ion Ratio	Lower	Upper	
83	100		
85	63.4	50.4	75.6
127	8.0	6.2	9.2

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:27 AM



#48

Methyl methacrylate

Concen: 53.368 ug/l

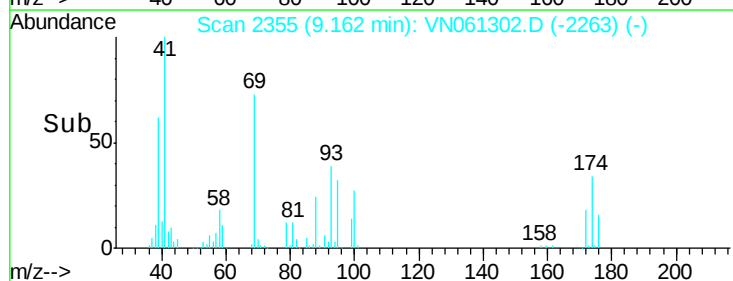
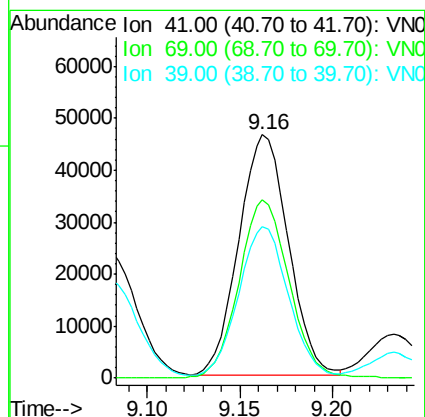
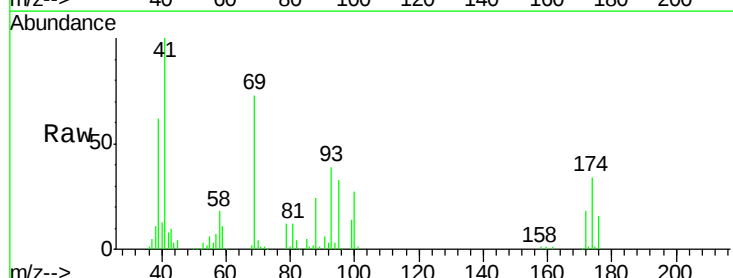
RT: 9.16 min Scan# 2355

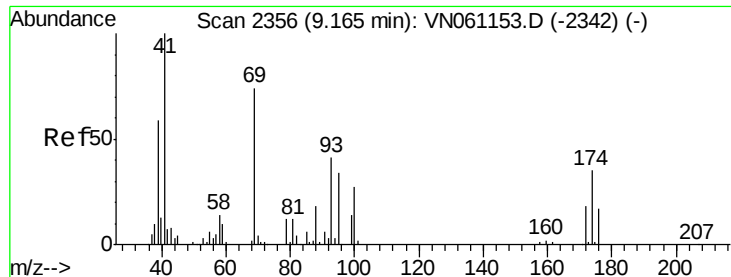
Delta R.T. -0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Tgt Ion:	41	Resp:	85871
Ion Ratio	Lower	Upper	
41	100		
69	75.0	60.3	90.5
39	64.2	47.4	71.0





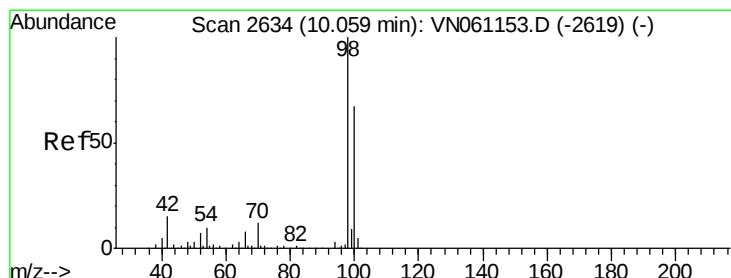
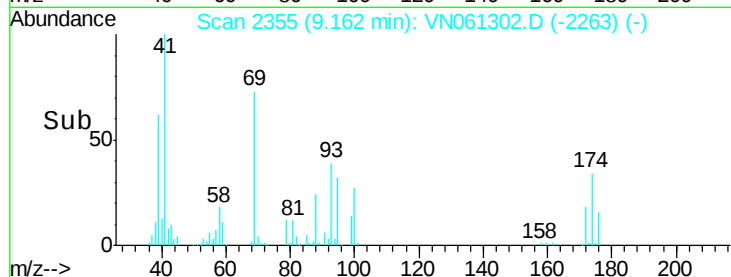
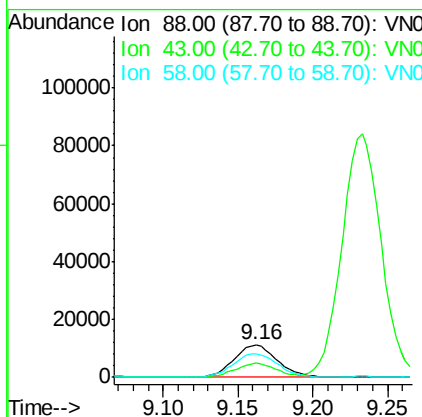
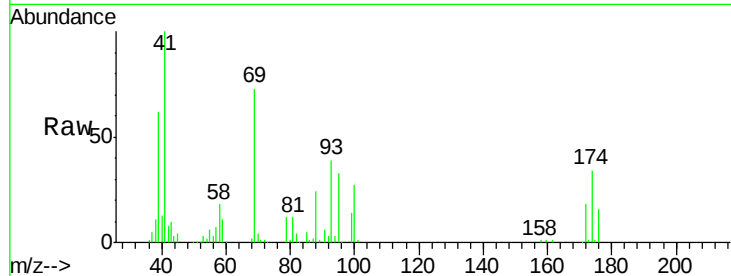
#49
1,4-Dioxane
Concen: 1226.703 ug/l
RT: 9.16 min Scan# 2355
Delta R.T. -0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	22405		
43	42.1		35.3	52.9
58	76.6		61.5	92.3

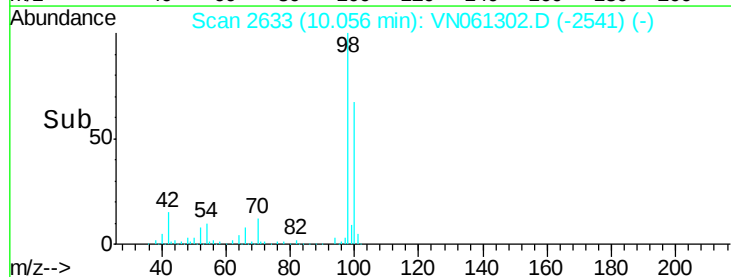
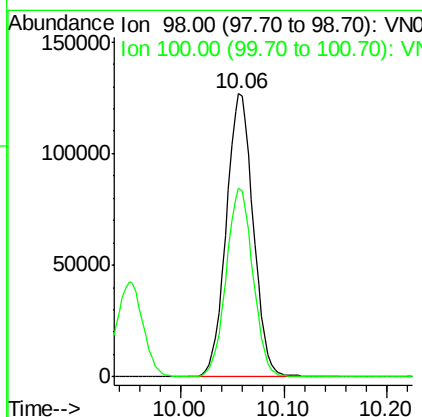
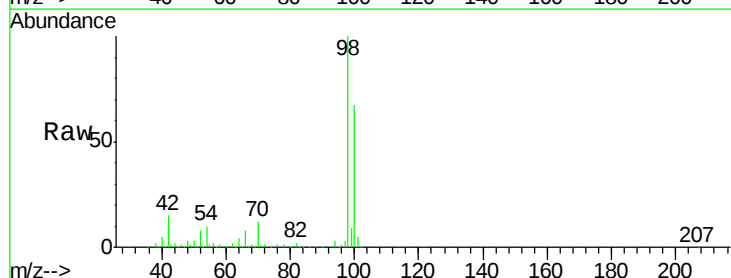
Manual Integrations
APPROVED

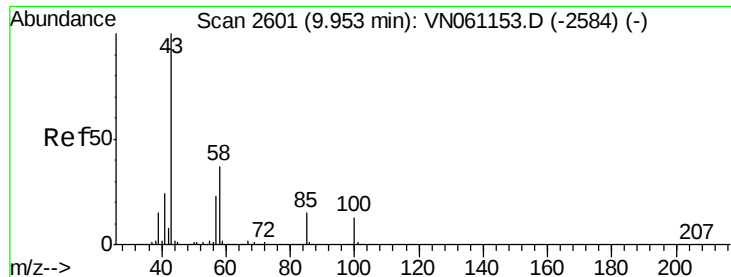
MMDadoda
5/7/2020 10:36:27 AM



#50
Toluene-d8
Concen: 52.407 ug/l
RT: 10.06 min Scan# 2633
Delta R.T. -0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	231281		
100	65.8		53.4	80.0





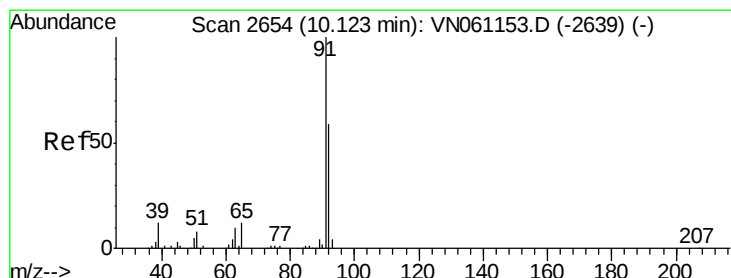
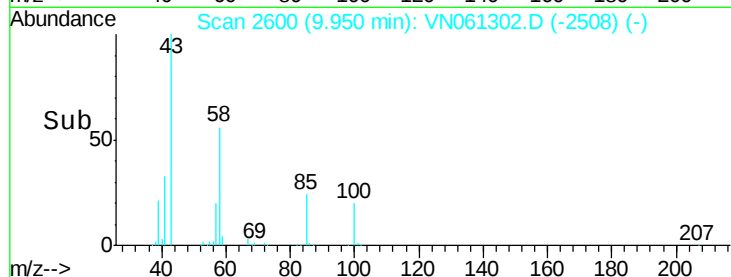
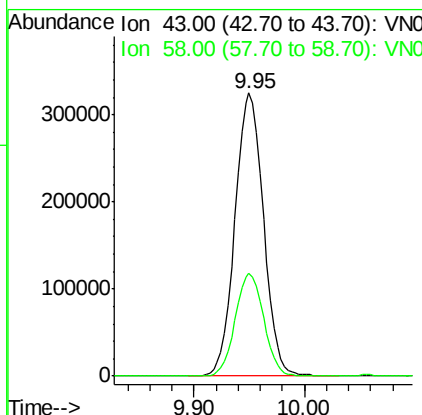
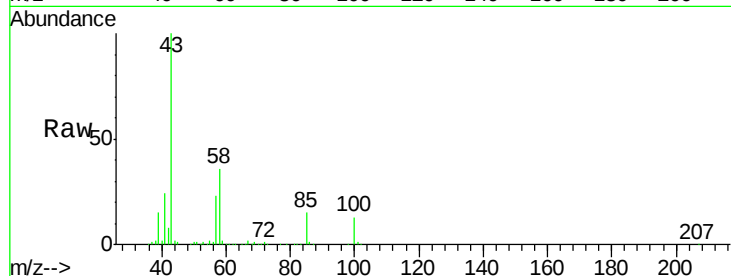
#51
4-Methyl-2-Pentanone
Concen: 277.484 ug/l
RT: 9.95 min Scan# 2600
Delta R.T. -0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.3	29.1	43.7

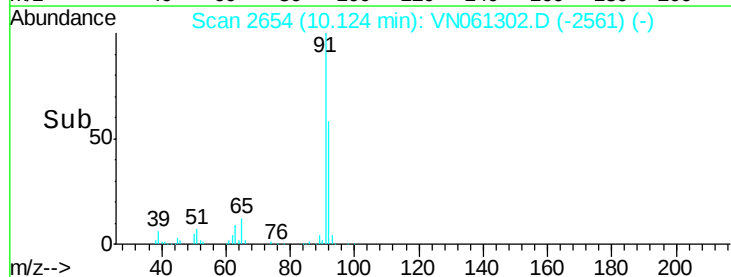
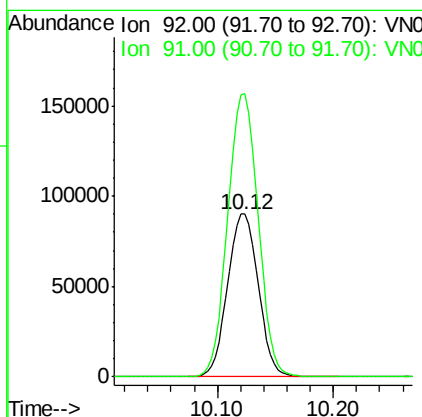
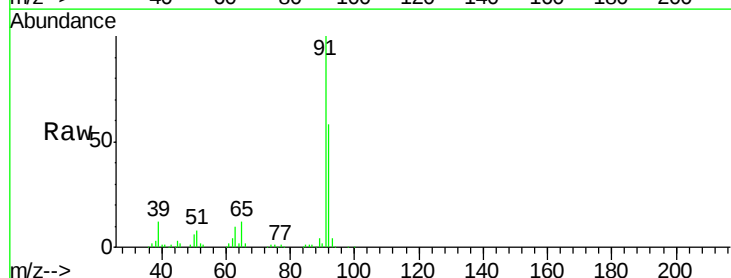
Manual Integrations
APPROVED

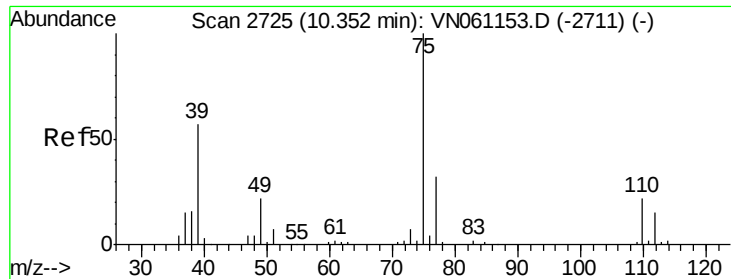
MMDadoda
5/7/2020 10:36:27 AM



#52
Toluene
Concen: 50.082 ug/l
RT: 10.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.2	136.2	204.2





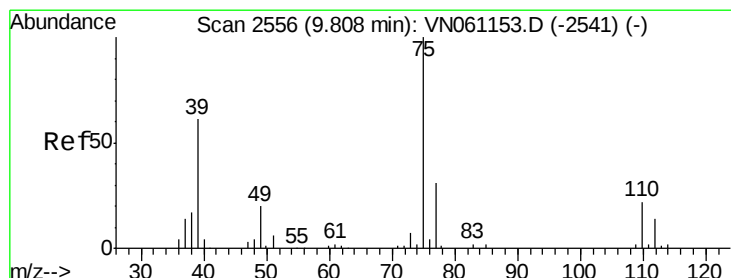
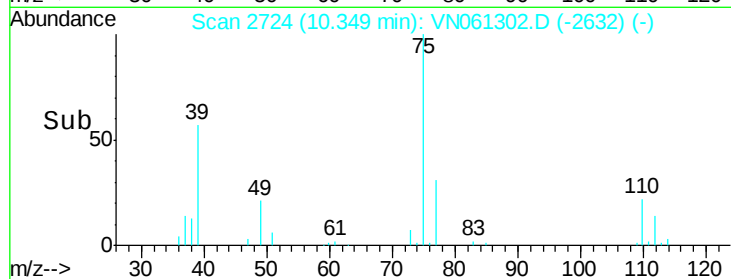
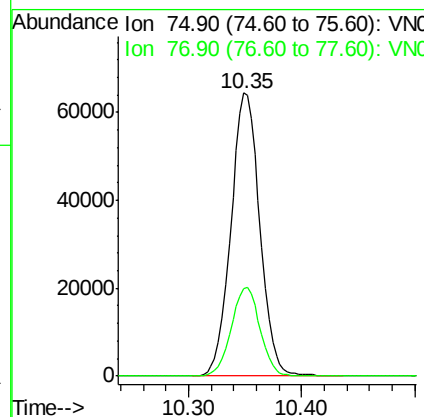
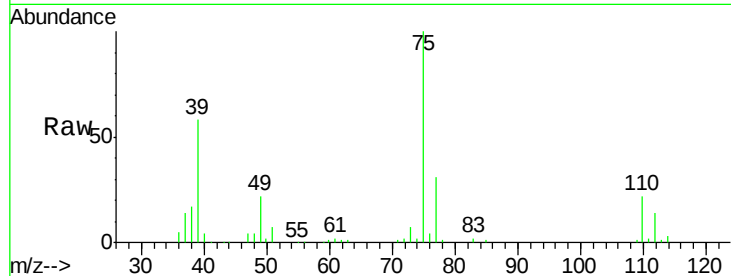
#53
t-1,3-Dichloropropene
Concen: 52.310 ug/l
RT: 10.35 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 114264
Ion Ratio Lower Upper
75 100
77 30.7 25.5 38.3

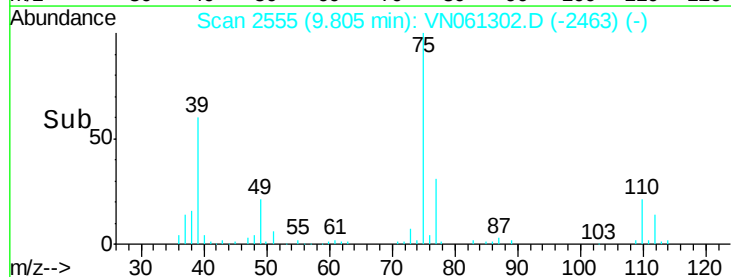
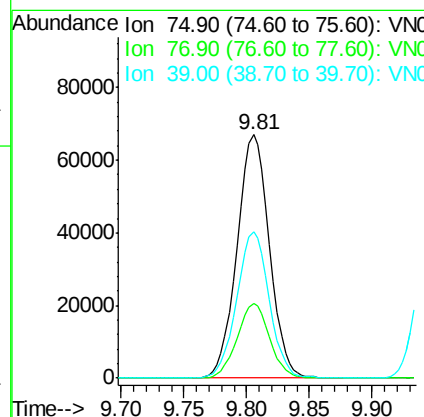
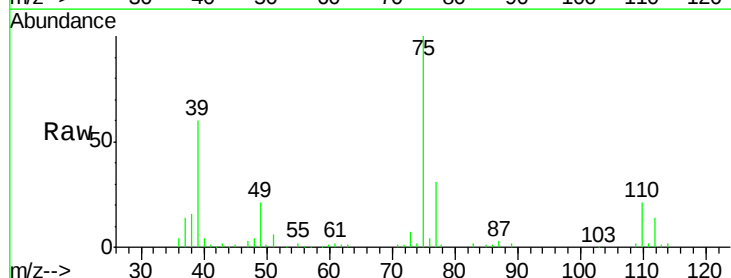
Manual Integrations
APPROVED

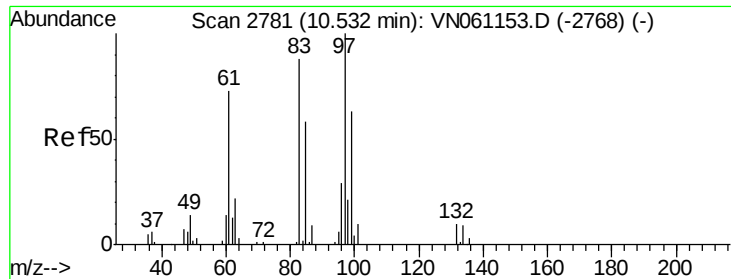
MMDadoda
5/7/2020 10:36:27 AM



#54
cis-1,3-Dichloropropene
Concen: 52.111 ug/l
RT: 9.81 min Scan# 2555
Delta R.T. -0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Tgt Ion: 75 Resp: 120339
Ion Ratio Lower Upper
75 100
77 30.6 25.0 37.4
39 59.9 48.7 73.1





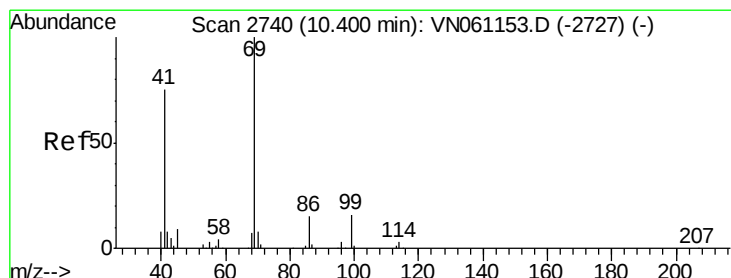
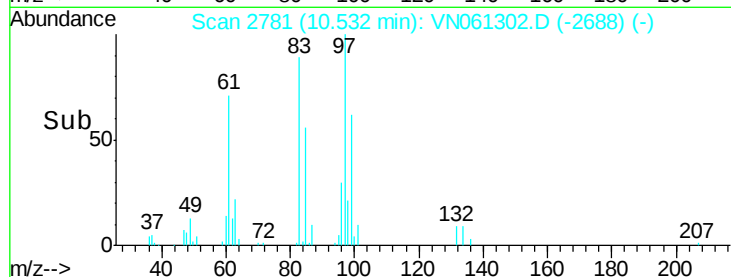
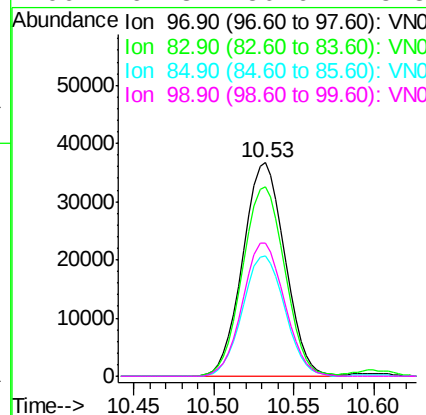
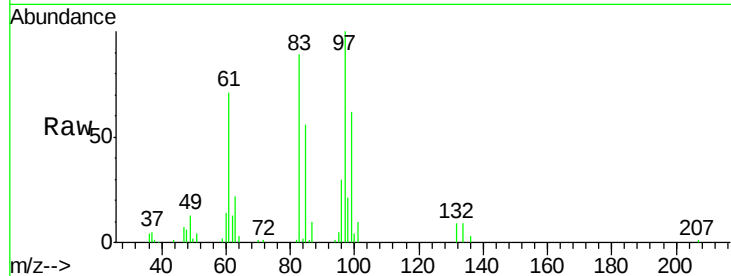
#55
 1,1,2-Trichloroethane
 Concen: 50.466 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. 0.00 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:	97	Resp:	66200
Ion	Ratio	Lower	Upper
97	100		
83	89.0	70.6	106.0
85	56.3	46.4	69.6
99	62.3	50.6	75.8

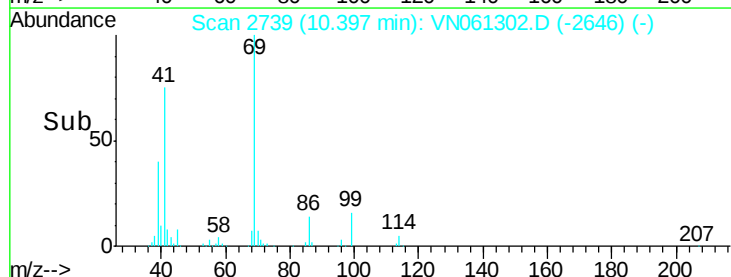
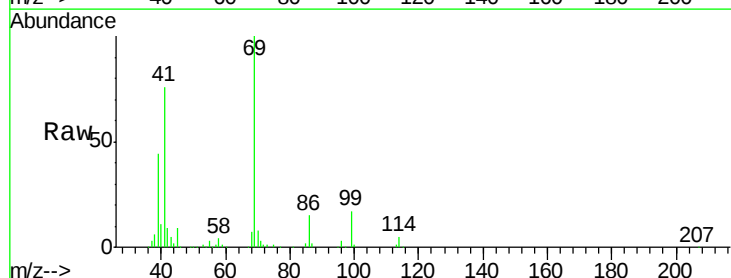
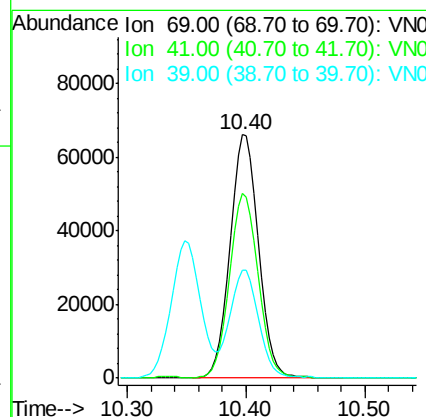
Manual Integrations
 APPROVED

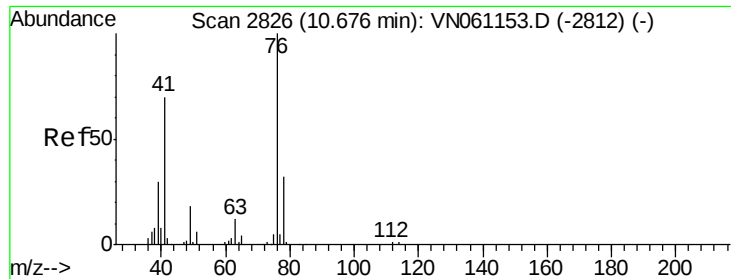
MMDadoda
 5/7/2020 10:36:27 AM



#56
 Ethyl methacrylate
 Concen: 48.107 ug/l
 RT: 10.40 min Scan# 2739
 Delta R.T. -0.00 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

Tgt Ion:	69	Resp:	109717
Ion	Ratio	Lower	Upper
69	100		
41	75.7	60.3	90.5
39	44.2	35.9	53.9





#57

1,3-Dichloropropane

Concen: 50.764 ug/l

RT: 10.68 min Scan# 2826

Delta R.T. 0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 117051

Ion Ratio Lower Upper

76 100

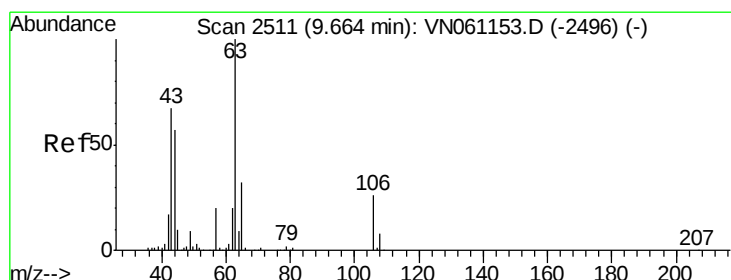
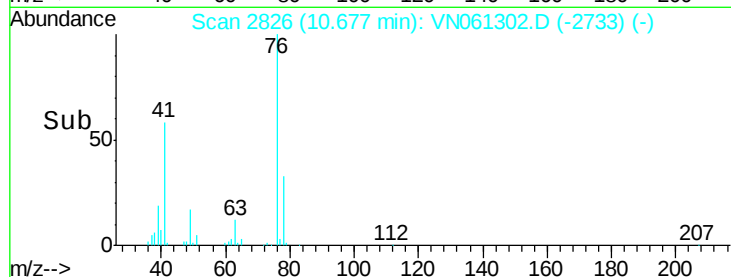
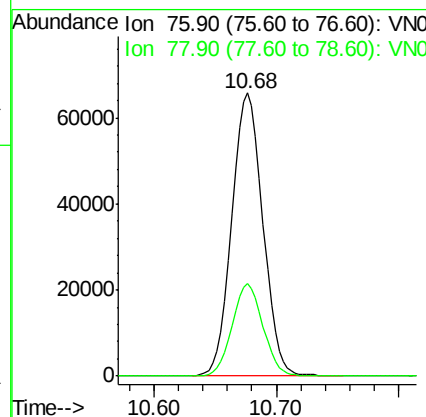
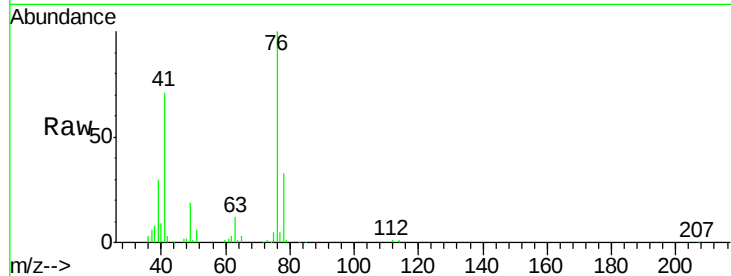
78 32.3 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

5/7/2020 10:36:27 AM



#58

2-Chloroethyl Vinyl ether

Concen: 311.696 ug/l

RT: 9.66 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VN061302.D

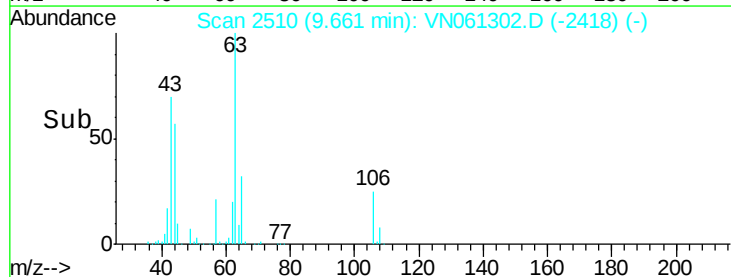
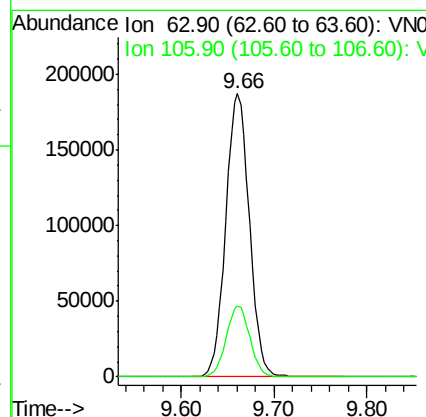
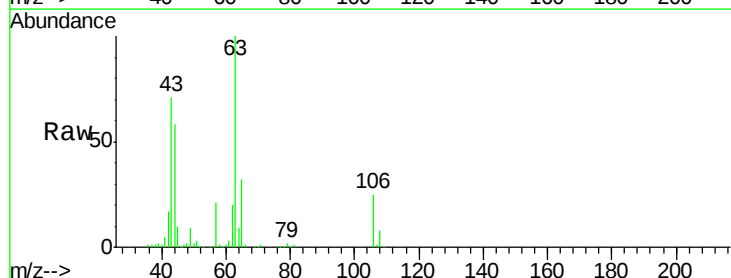
Acq: 6 May 2020 11:14

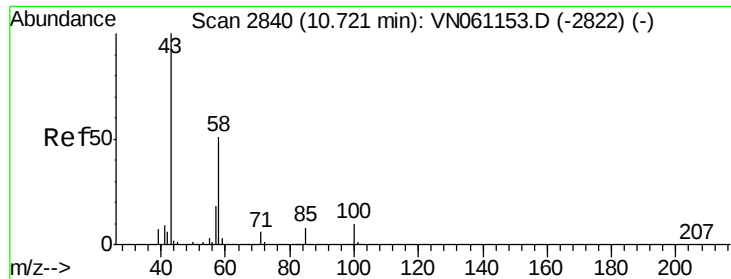
Tgt Ion: 63 Resp: 330963

Ion Ratio Lower Upper

63 100

106 25.1 20.6 30.8





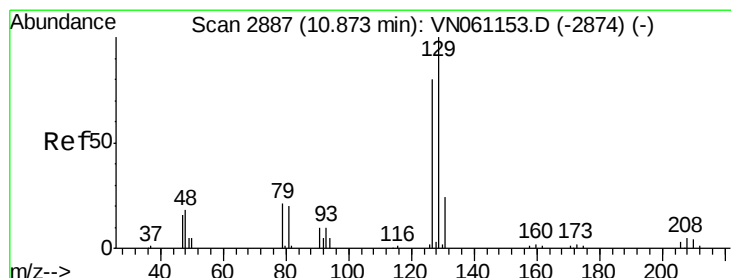
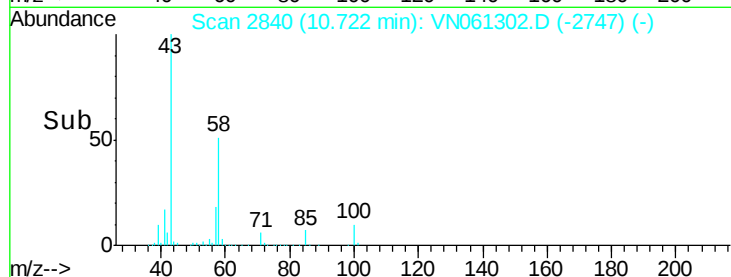
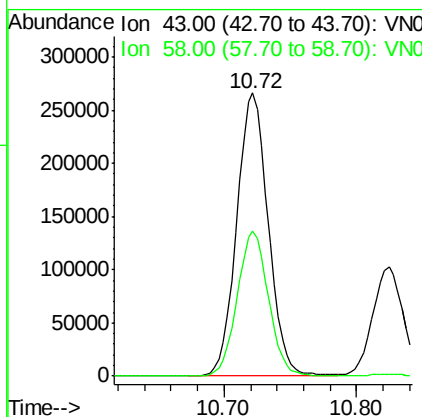
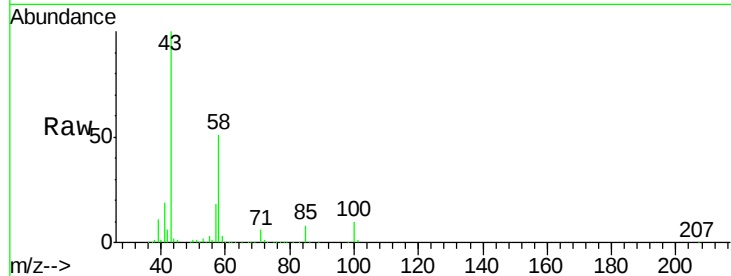
#59
2-Hexanone
Concen: 287.805 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 439459
Ion Ratio Lower Upper
43 100
58 50.8 25.4 76.4

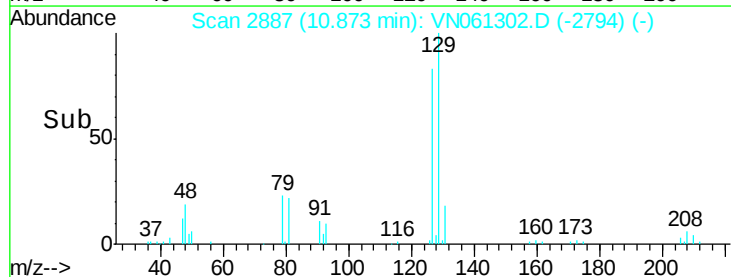
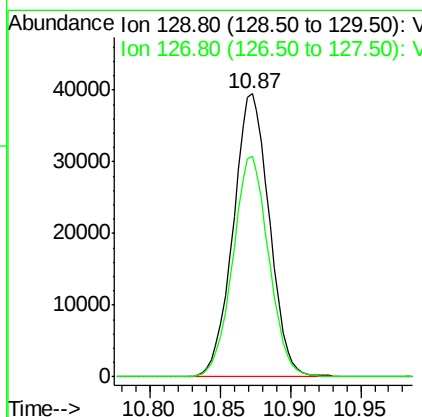
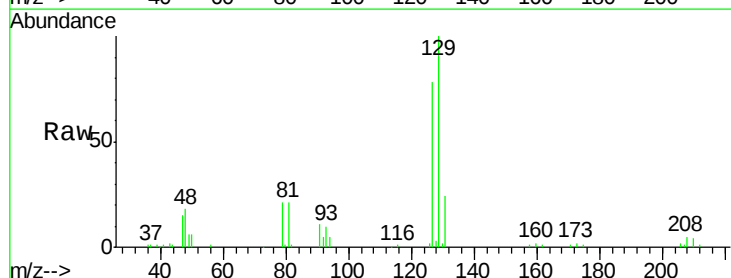
Manual Integrations
APPROVED

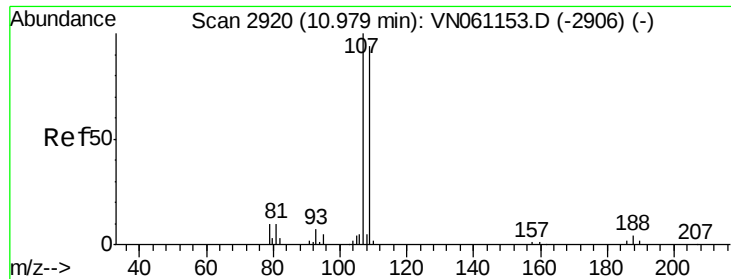
MMDadoda
5/7/2020 10:36:27 AM



#60
Dibromochloromethane
Concen: 51.577 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Tgt Ion: 129 Resp: 70861
Ion Ratio Lower Upper
129 100
127 77.4 39.3 117.8





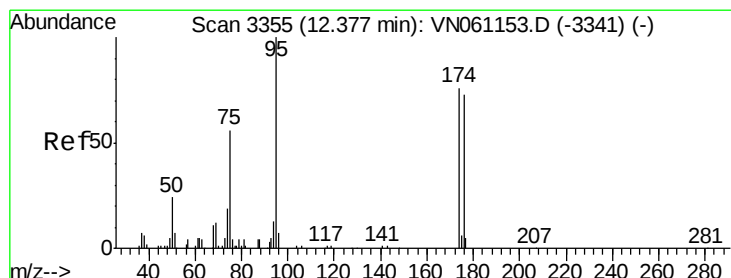
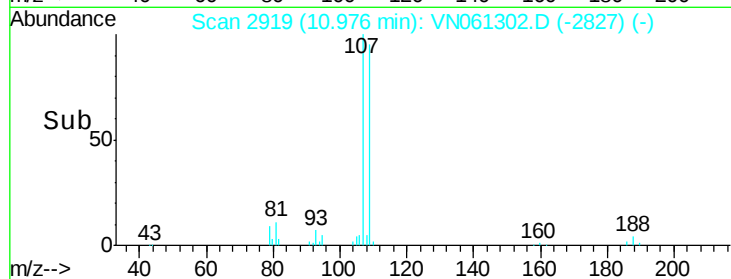
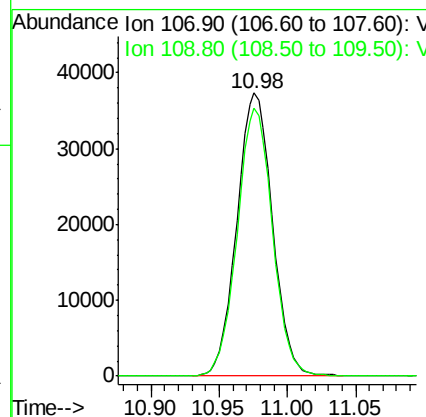
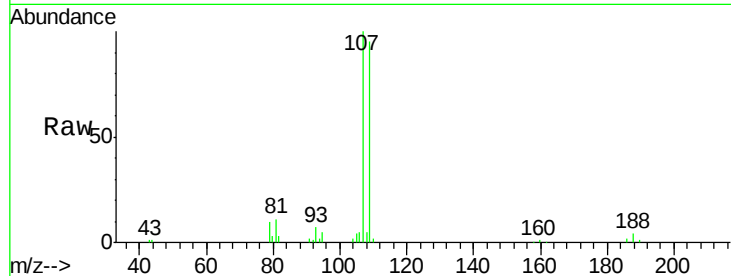
#61
 1,2-Dibromoethane
 Concen: 51.338 ug/l
 RT: 10.98 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	74.8	112.2

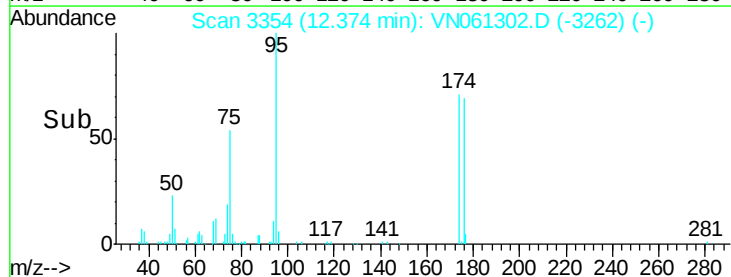
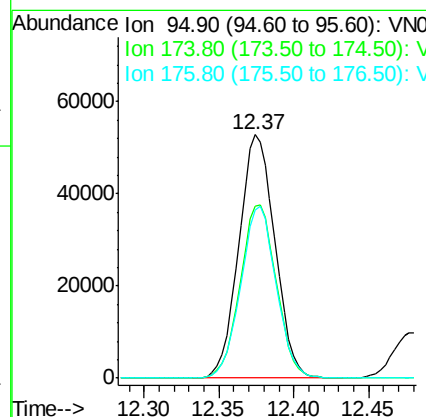
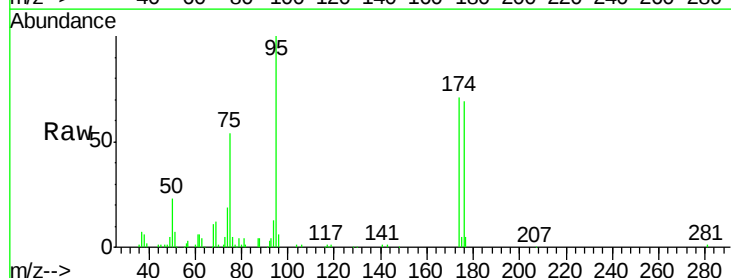
Manual Integrations
 APPROVED

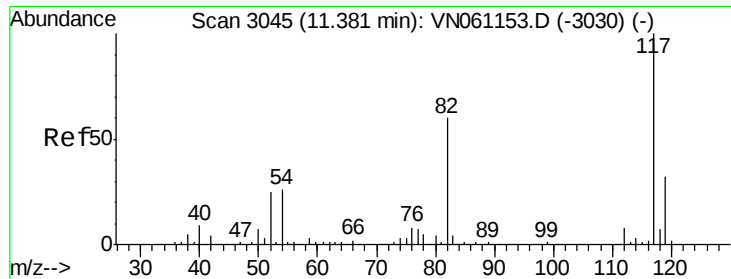
MMDadoda
 5/7/2020 10:36:27 AM



#62
 4-Bromofluorobenzene
 Concen: 53.308 ug/l
 RT: 12.37 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.3	0.0	149.4
176	69.2	0.0	144.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3044

Delta R.T. -0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

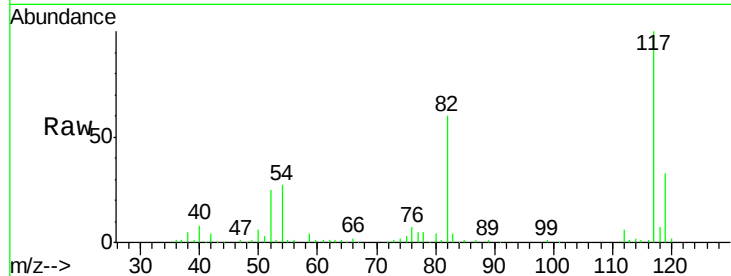
ClientSampled :

VSTDCCC050

Tot Ion:	117	Resp:	169770
Ion Ratio	Lower	Upper	
117	100		
82	60.5	47.8	71.8
119	32.8	25.8	38.6

Manual Integrations
APPROVED

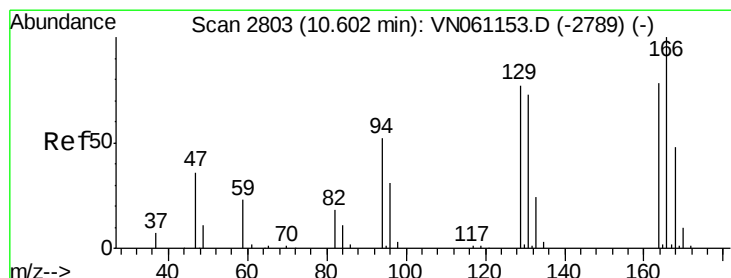
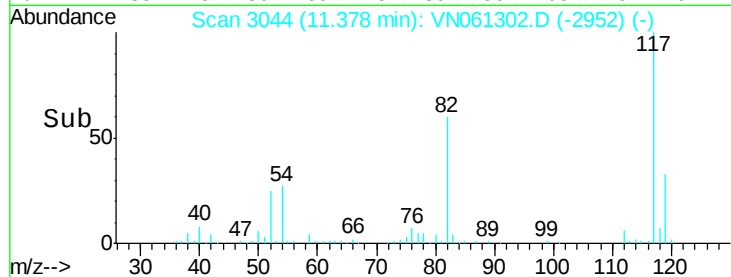
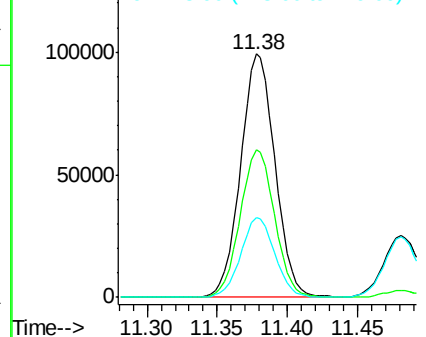
MMDadoda
5/7/2020 10:36:27 AM



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 45.626 ug/l

RT: 10.60 min Scan# 2803

Delta R.T. 0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

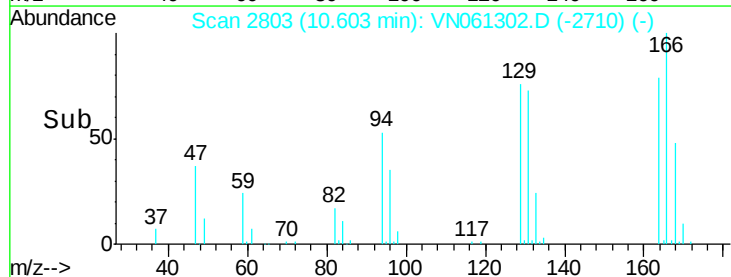
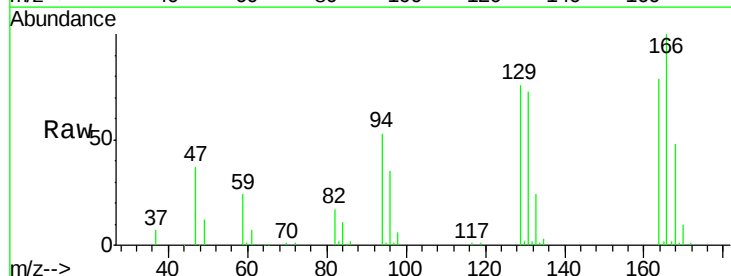
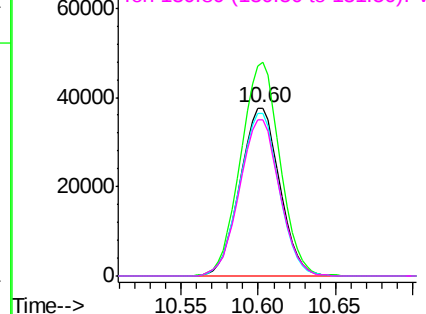
Tgt Ion:	164	Resp:	67088
Ion Ratio	Lower	Upper	
164	100		
166	127.0	102.0	153.0
129	96.7	78.2	117.2
131	92.8	74.5	111.7

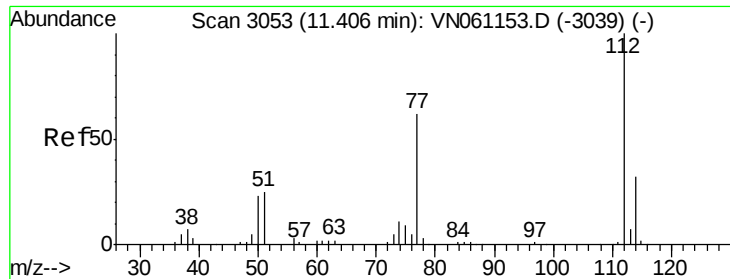
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





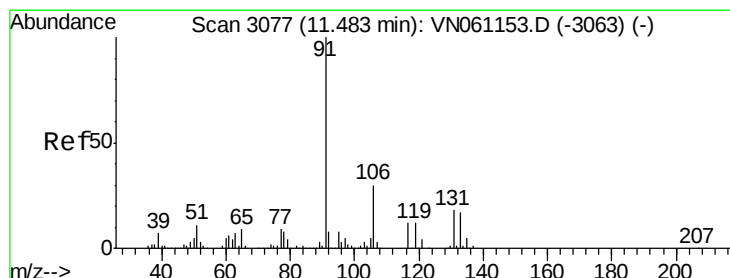
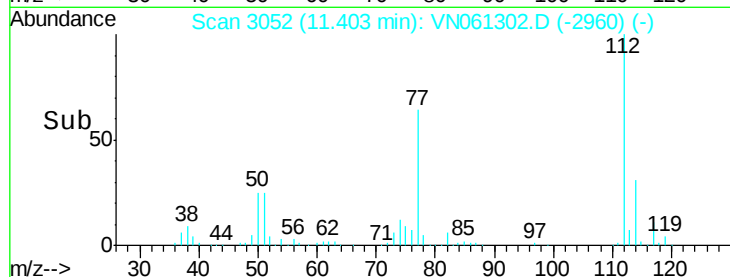
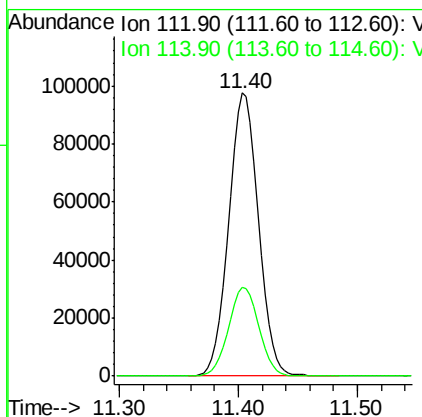
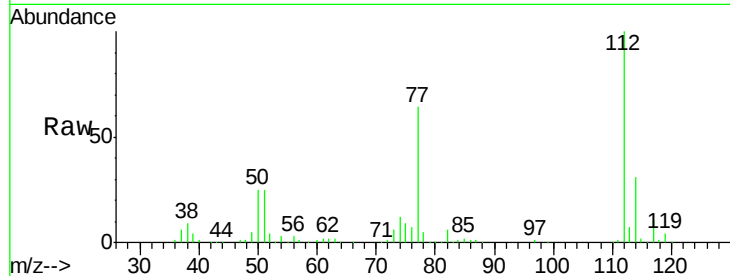
#65
Chlorobenzene
Concen: 50.192 ug/l
RT: 11.40 min Scan# 3052
Delta R.T. -0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:112 Resp: 169030
Ion Ratio Lower Upper
112 100
114 31.4 25.4 38.2

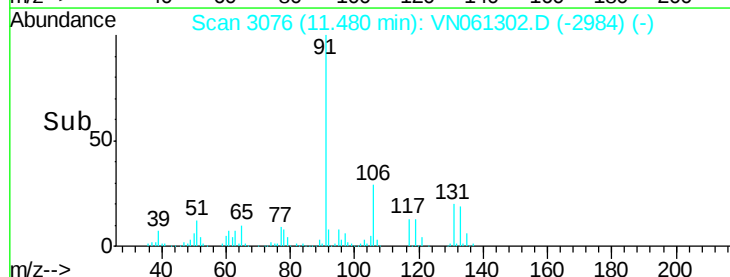
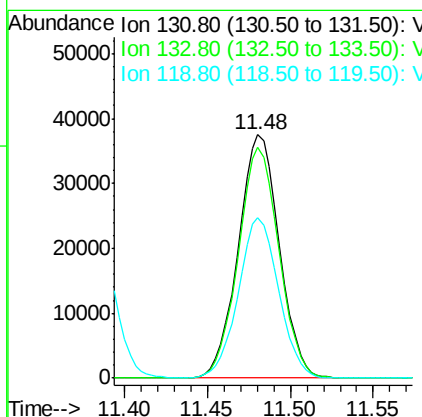
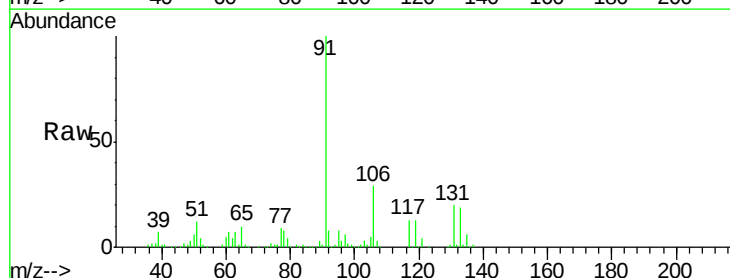
Manual Integrations
APPROVED

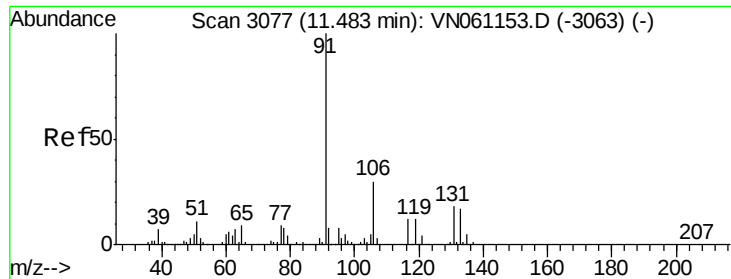
MMDadoda
5/7/2020 10:36:27 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.390 ug/l
RT: 11.48 min Scan# 3076
Delta R.T. -0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Tgt Ion:131 Resp: 64352
Ion Ratio Lower Upper
131 100
133 94.3 48.0 144.2
119 65.1 32.6 97.8





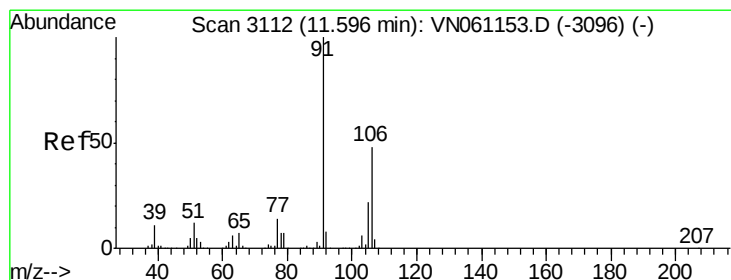
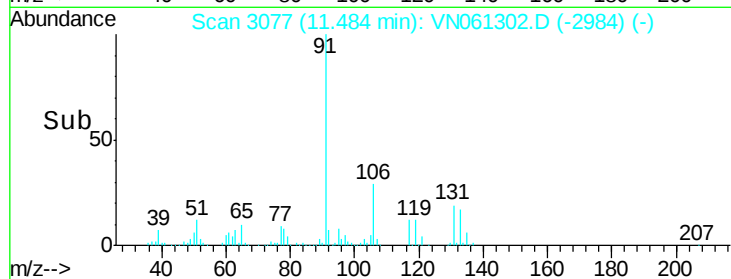
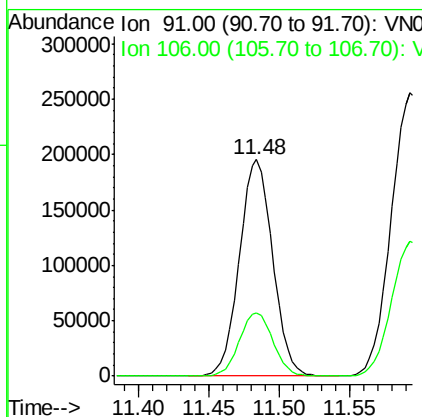
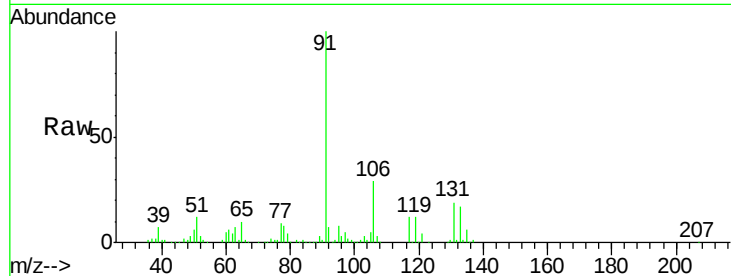
#67
Ethyl Benzene
Concen: 51.303 ug/l
RT: 11.48 min Scan# 3077
Delta R.T. 0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		323428		
106	29.4		23.8	35.6	

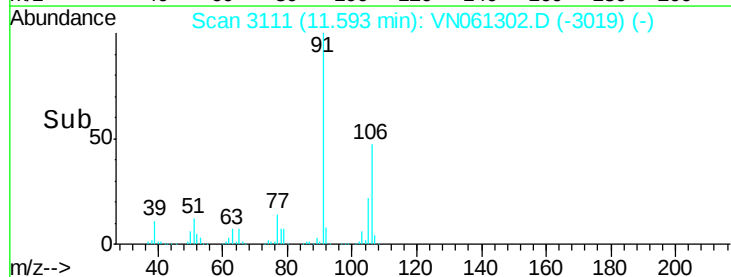
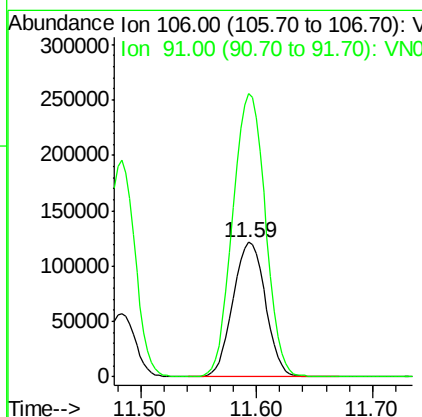
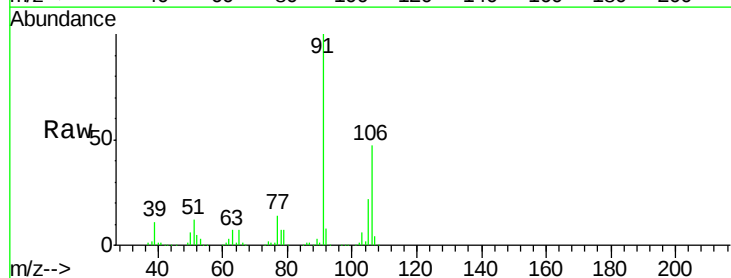
Manual Integrations
APPROVED

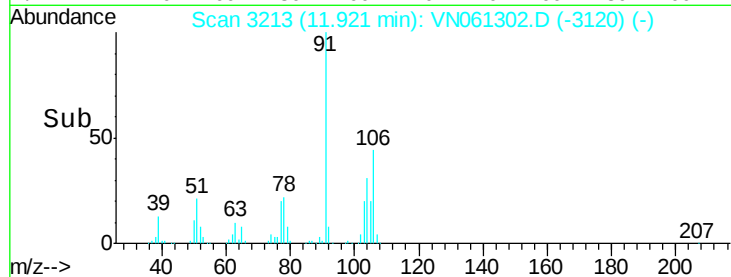
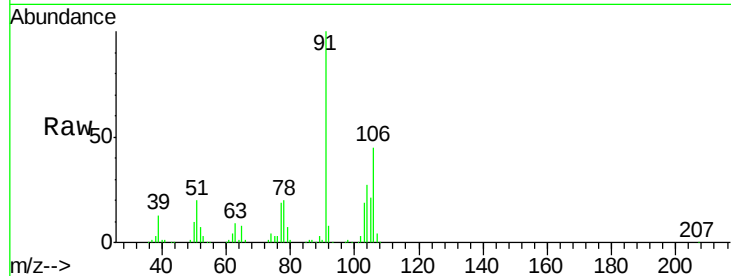
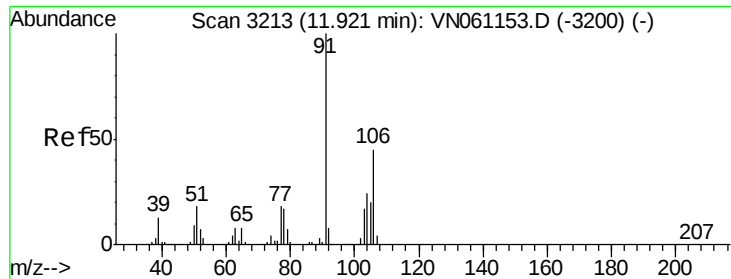
MMDadoda
5/7/2020 10:36:27 AM



#68
m/p-Xylenes
Concen: 102.503 ug/l
RT: 11.59 min Scan# 3111
Delta R.T. -0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		236530		
91	211.1		166.4	249.6	





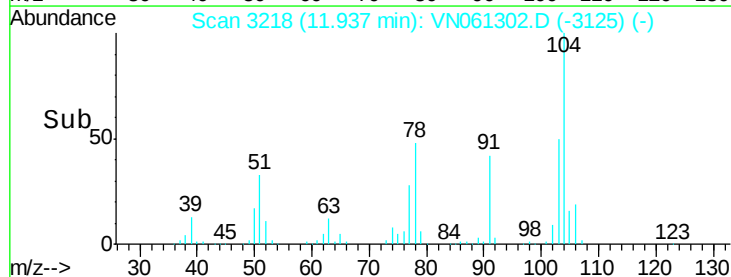
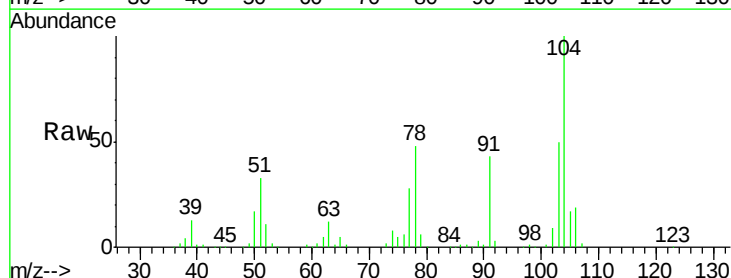
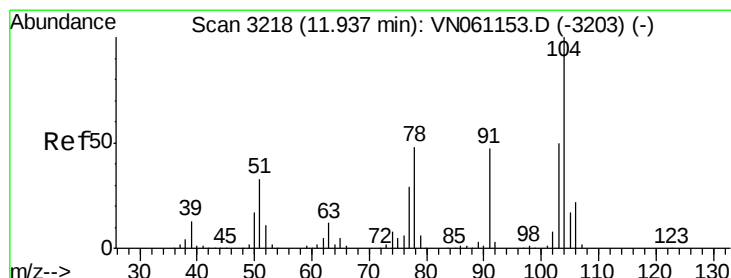
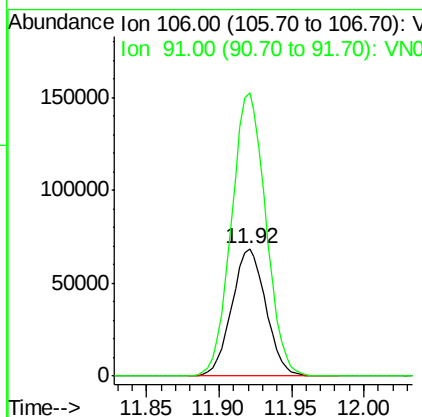
#69
o-Xylene
Concen: 50.628 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	224.3	109.7	329.0		

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

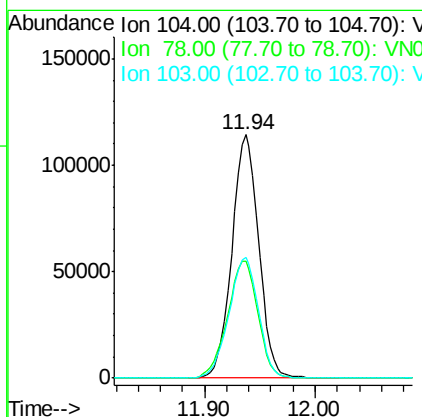
Manual Integrations
APPROVED

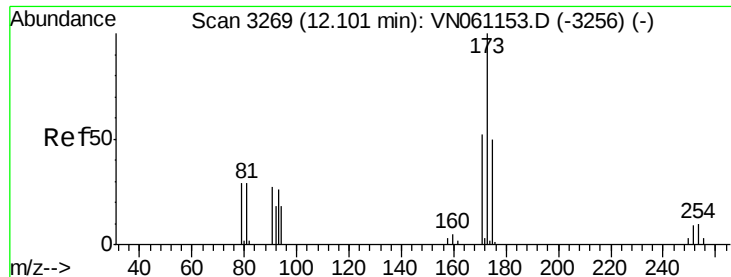
MMDadoda
5/7/2020 10:36:27 AM



#70
Styrene
Concen: 52.009 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	54.3	42.1	63.1		
103	54.5	43.3	64.9		





#71

Bromoform

Concen: 55.628 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 49278

Ion Ratio Lower Upper

173 100

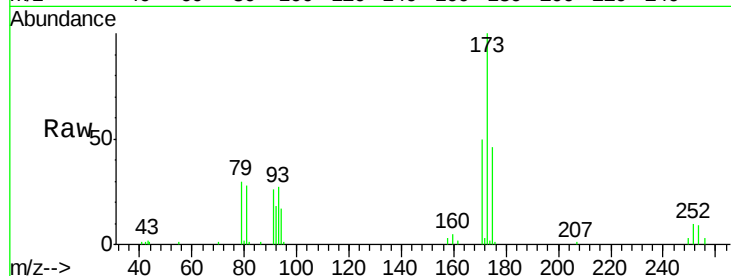
175 47.5 24.1 72.4

254 0.0 0.0 0.0

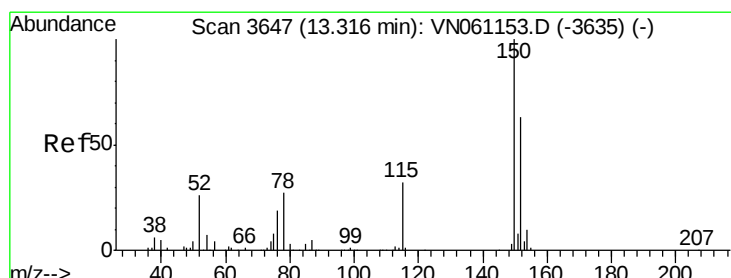
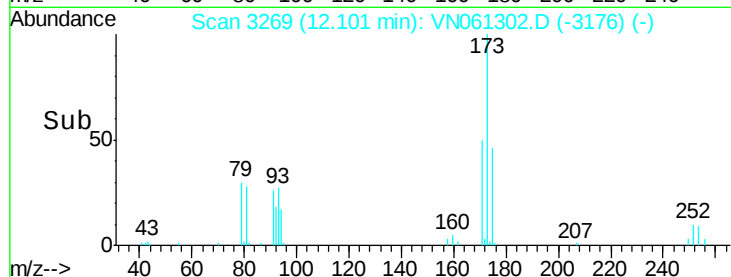
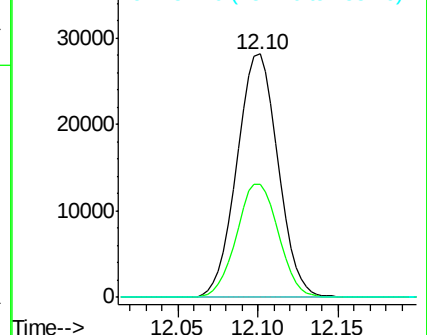
Manual Integrations
APPROVED

MMDadoda

5/7/2020 10:36:27 AM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

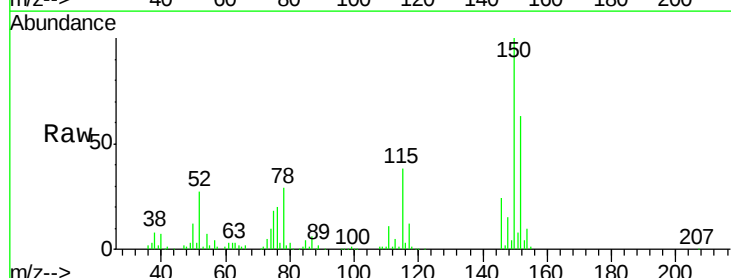
Tgt Ion:152 Resp: 81597

Ion Ratio Lower Upper

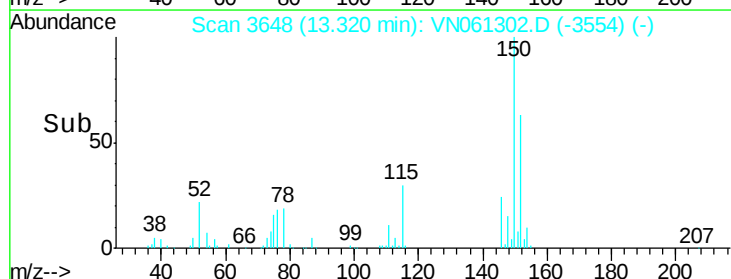
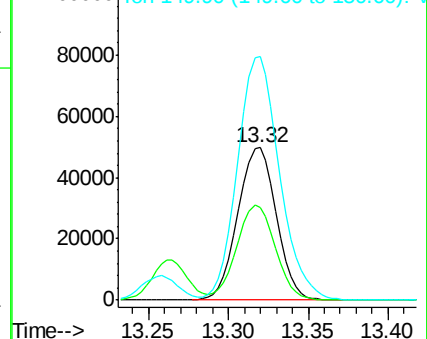
152 100

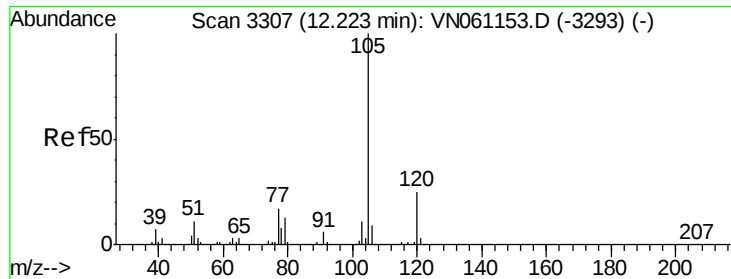
115 62.7 31.0 93.0

150 174.8 0.0 351.8



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





#73

Isopropylbenzene

Concen: 51.636 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 309743

Ion Ratio Lower Upper

105 100

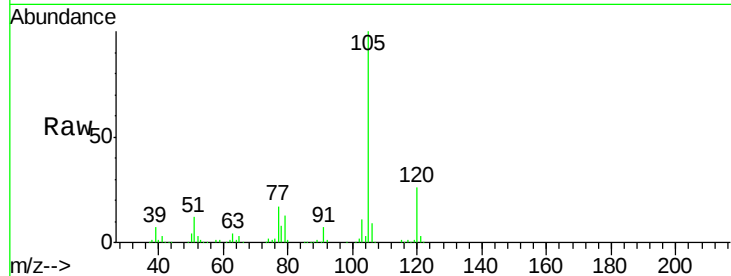
120 25.4 12.6 37.8

Manual Integrations

APPROVED

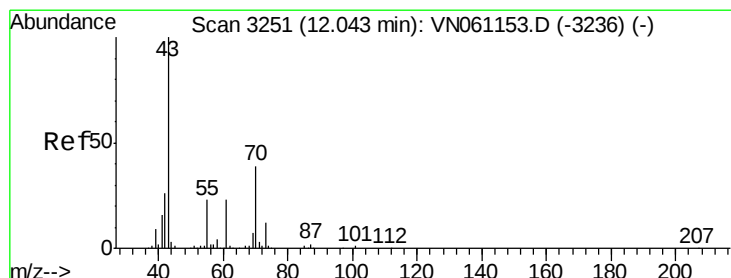
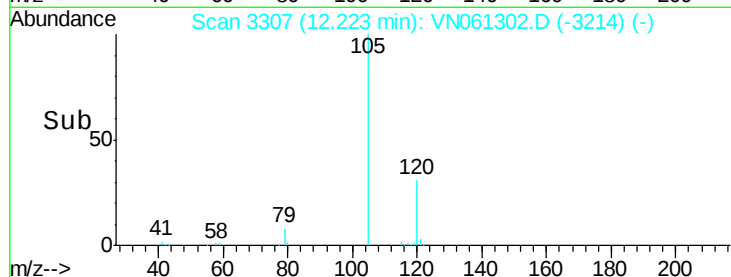
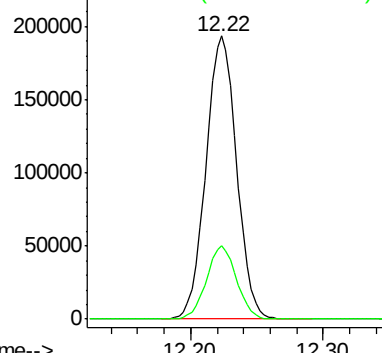
MMDadoda

5/7/2020 10:36:27 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.915 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Tgt Ion: 43 Resp: 163771

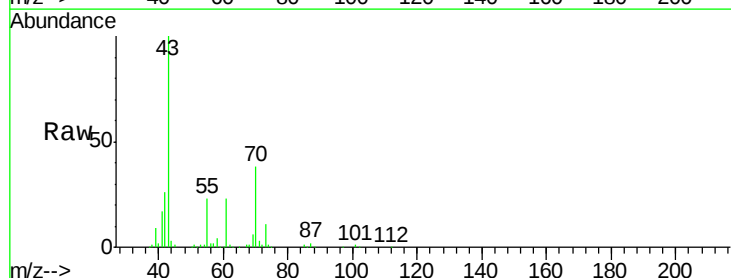
Ion Ratio Lower Upper

43 100

70 37.5 30.6 46.0

55 22.9 18.5 27.7

61 22.3 17.9 26.9

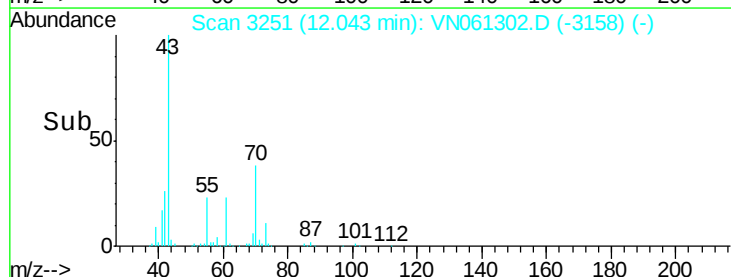
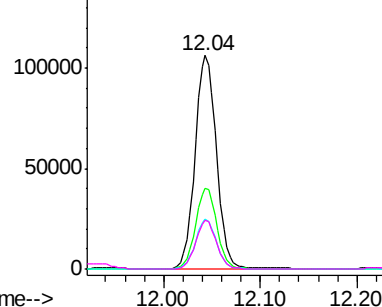


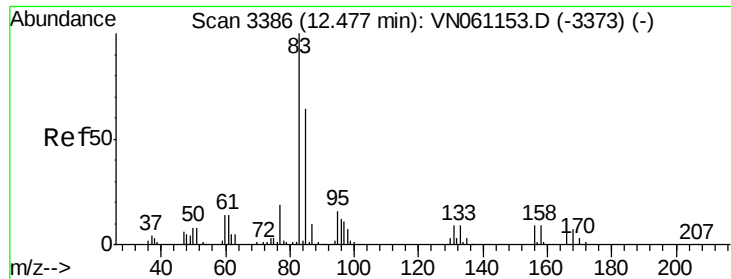
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 53.139 ug/l

RT: 12.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

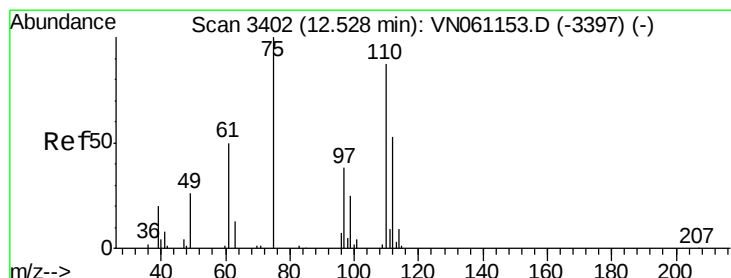
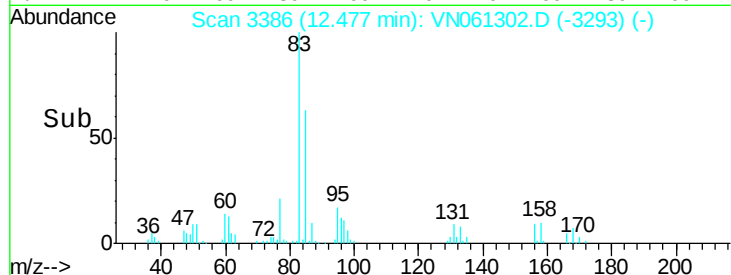
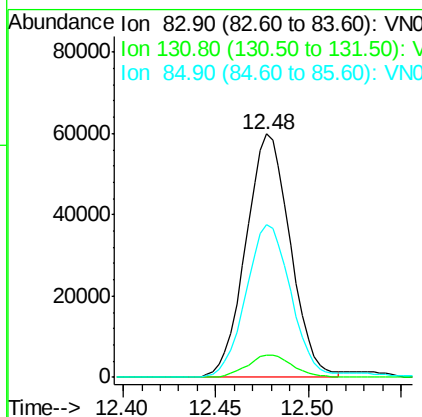
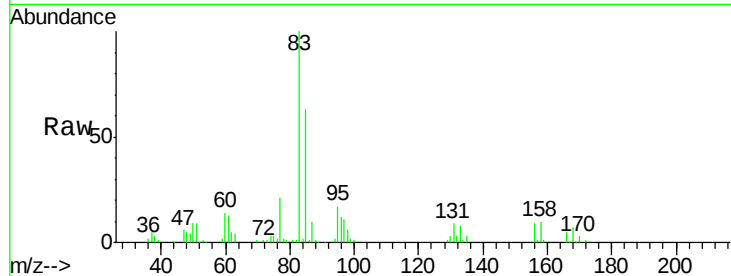
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	99393
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.8	14.3
85	63.4	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:27 AM



#76

1,2,3-Trichloropropane

Concen: 51.324 ug/l m

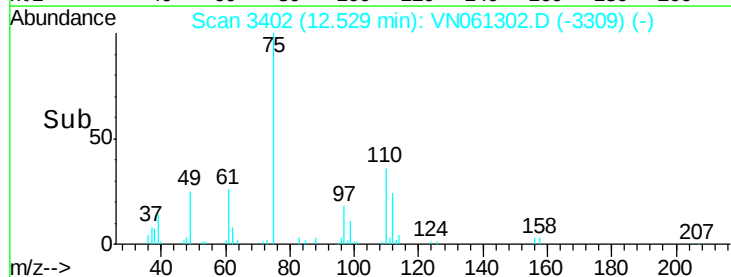
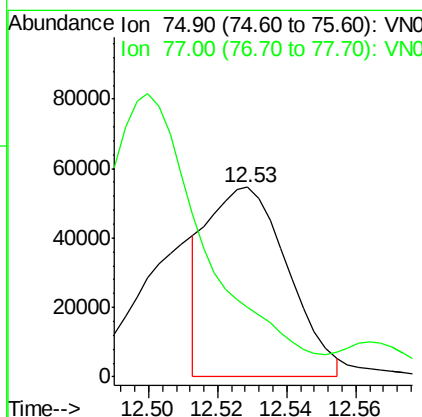
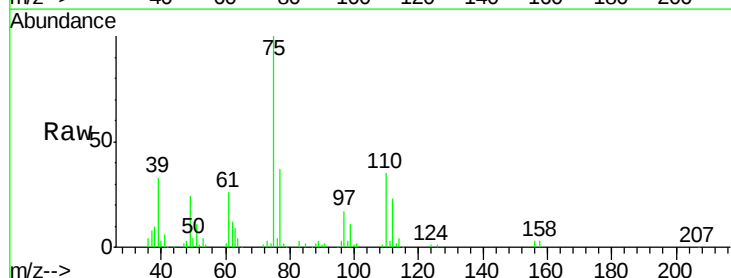
RT: 12.53 min Scan# 3402

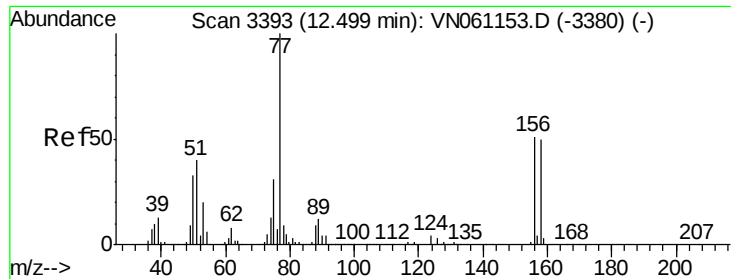
Delta R.T. 0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Tgt Ion:	75	Resp:	88291
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.361 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

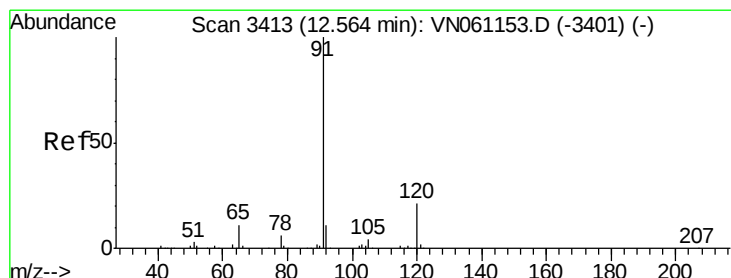
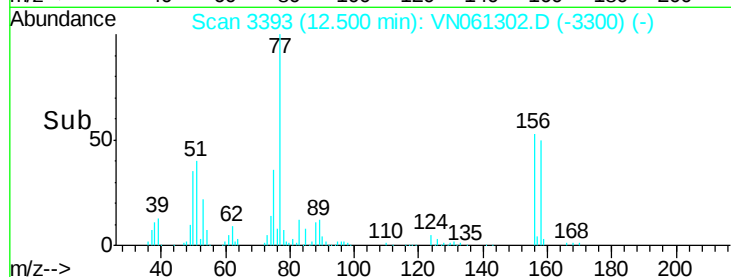
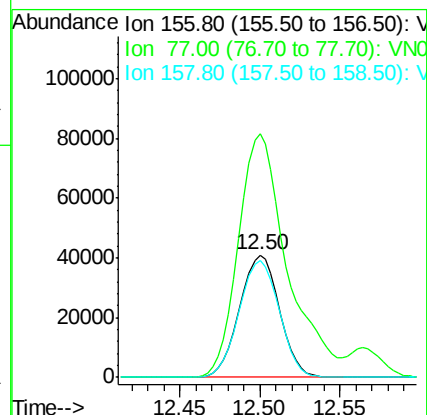
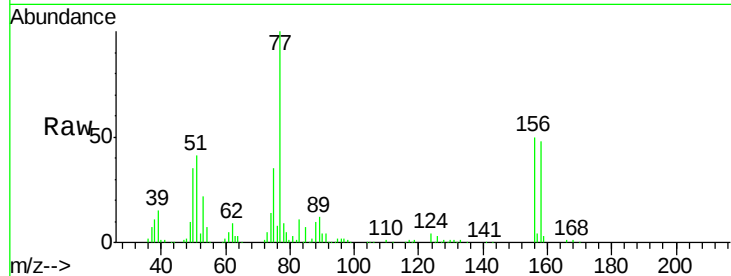
ClientSampled :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	244.9	117.4	352.2
158	96.3	48.4	145.0

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:27 AM



#78

n-propylbenzene

Concen: 52.176 ug/l

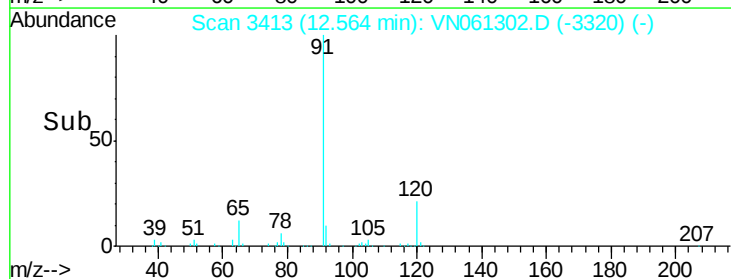
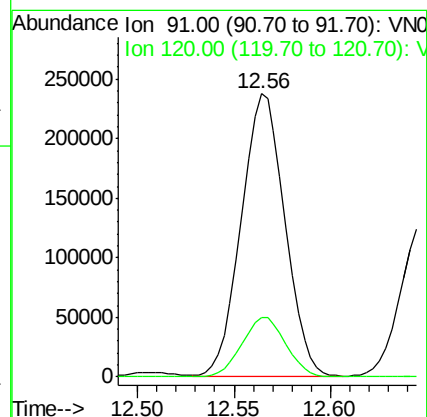
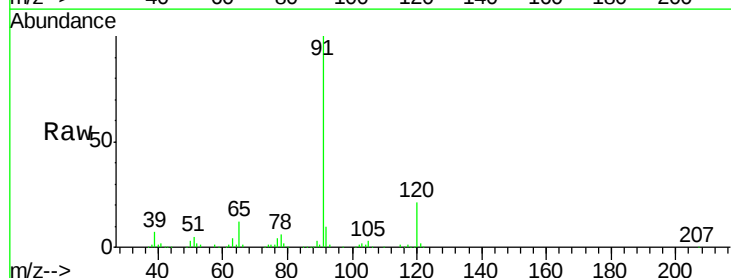
RT: 12.56 min Scan# 3413

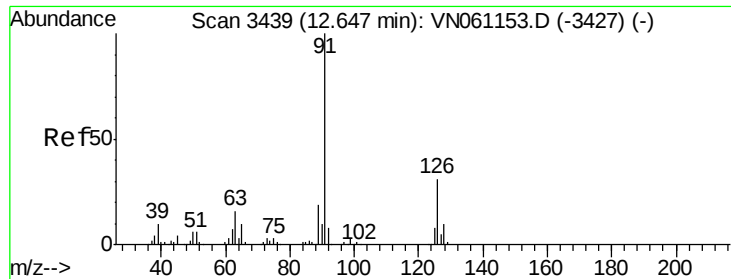
Delta R.T. 0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.3	10.8	32.3





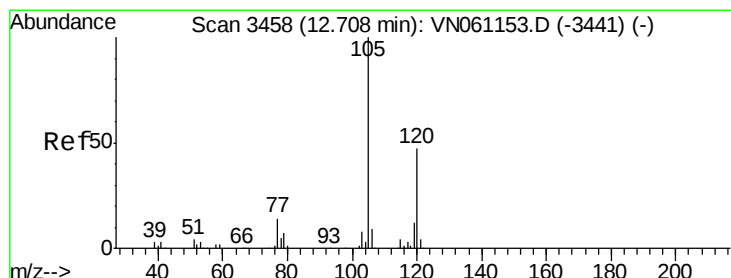
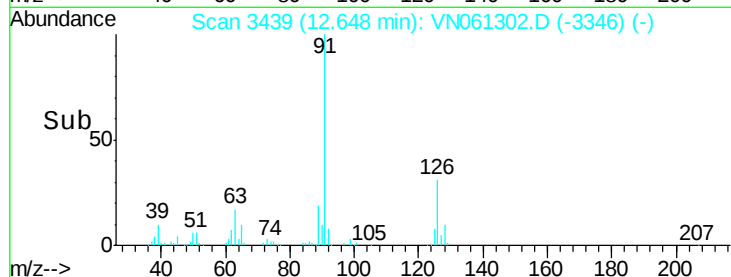
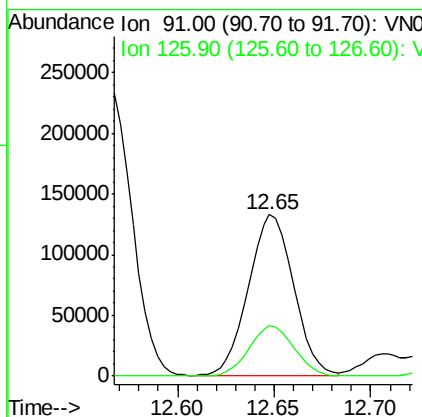
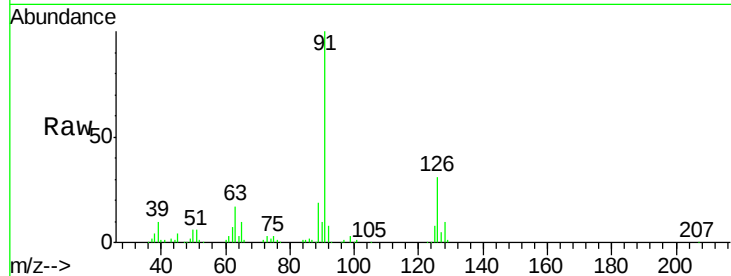
#79
 2-Chlorotoluene
 Concen: 51.822 ug/l
 RT: 12.65 min Scan# 3439
 Delta R.T. 0.00 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 91 Resp: 216722
 Ion Ratio Lower Upper
 91 100
 126 31.3 15.9 47.7

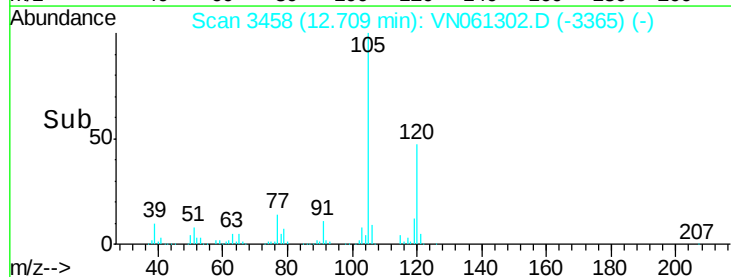
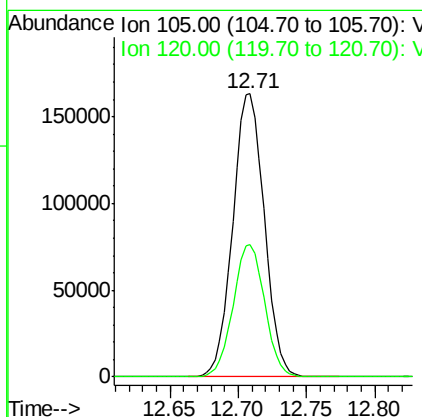
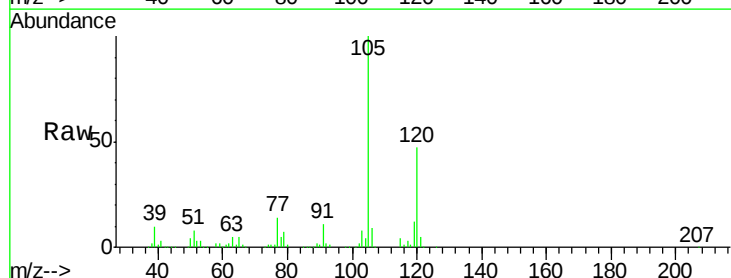
Manual Integrations
 APPROVED

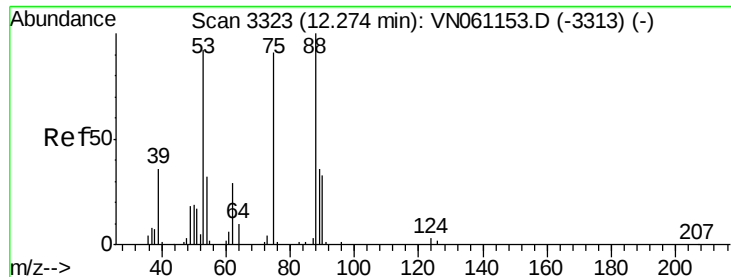
MMDadoda
 5/7/2020 10:36:27 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 52.843 ug/l
 RT: 12.71 min Scan# 3458
 Delta R.T. 0.00 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

Tgt Ion: 105 Resp: 262352
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 56.499 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

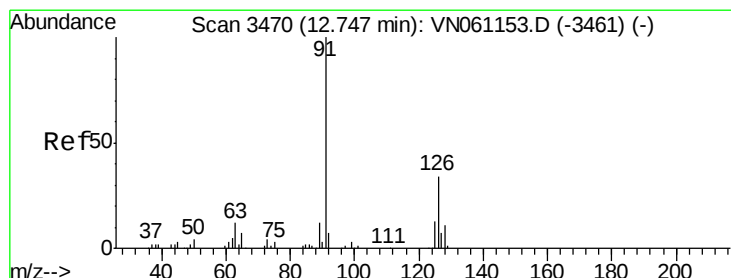
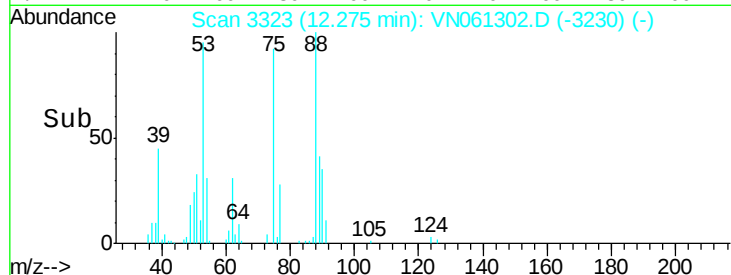
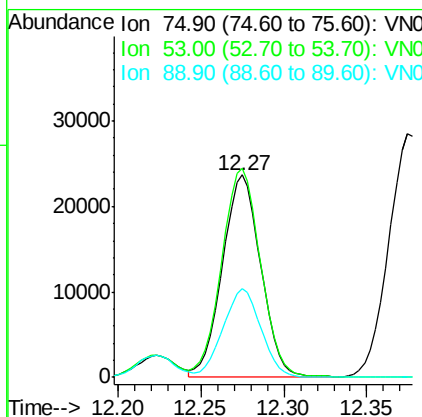
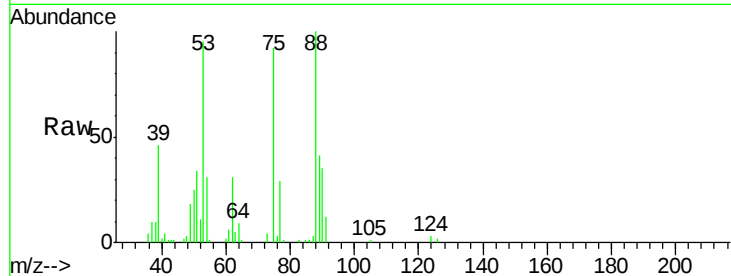
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	38273
Ion	Ratio	Lower	Upper
75	100		
53	104.6	84.1	126.1
89	43.2	35.2	52.8

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:27 AM



#82

4-Chlorotoluene

Concen: 52.390 ug/l

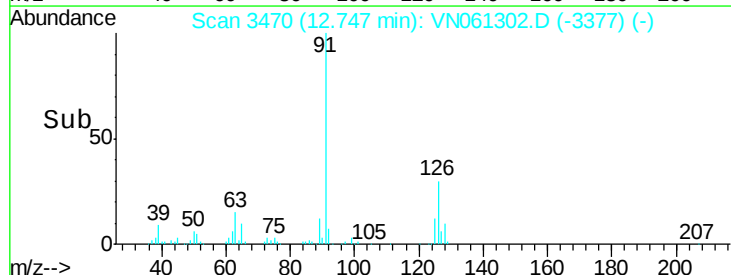
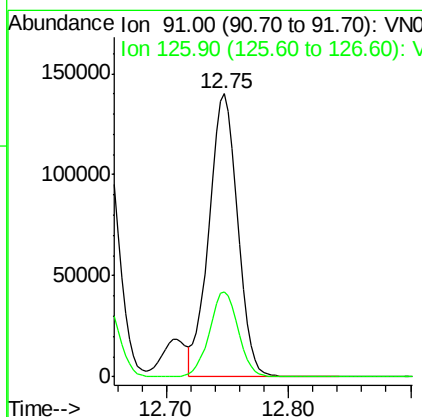
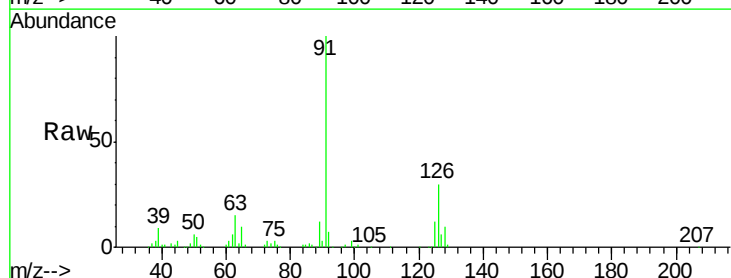
RT: 12.75 min Scan# 3470

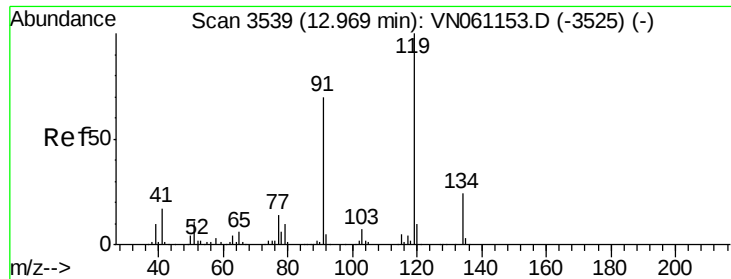
Delta R.T. 0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Tgt Ion:	91	Resp:	230918
Ion	Ratio	Lower	Upper
91	100		
126	30.1	15.7	47.1





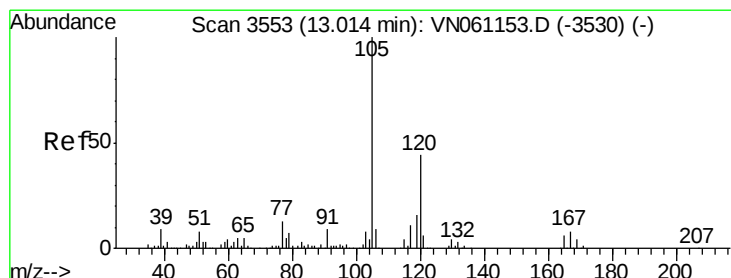
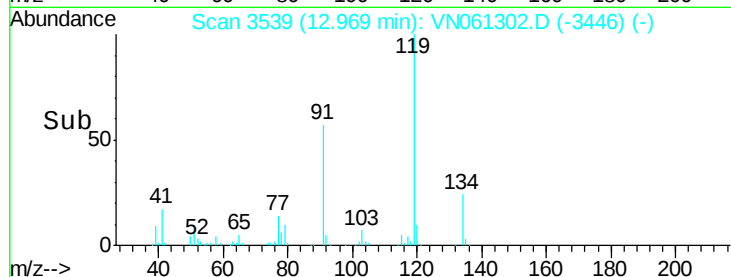
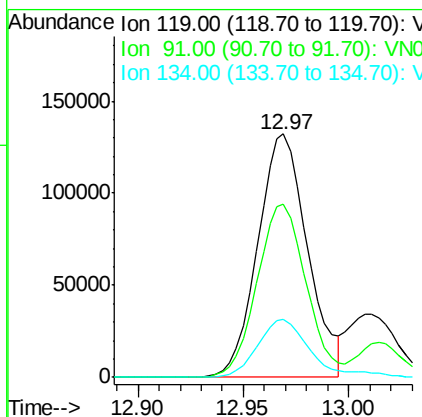
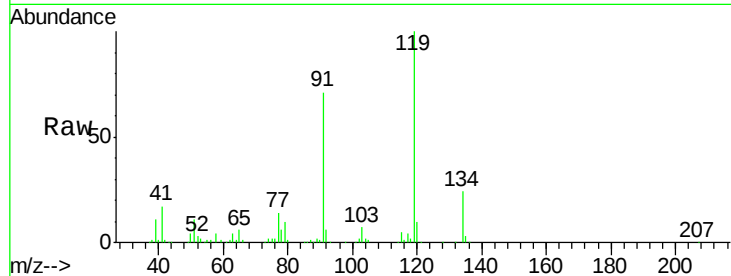
#83
tert-Butylbenzene
Concen: 51.848 ug/l
RT: 12.97 min Scan# 3539
Delta R.T. 0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	217053		
91	70.4	34.8	104.4	
134	25.3	12.9	38.7	

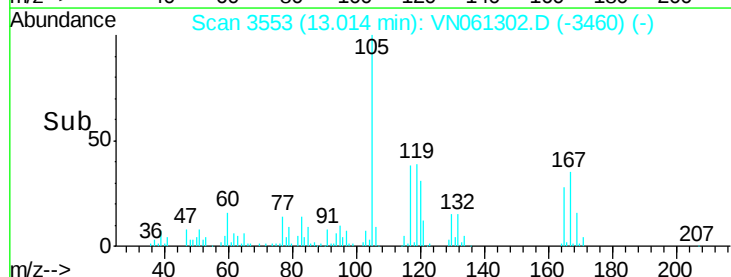
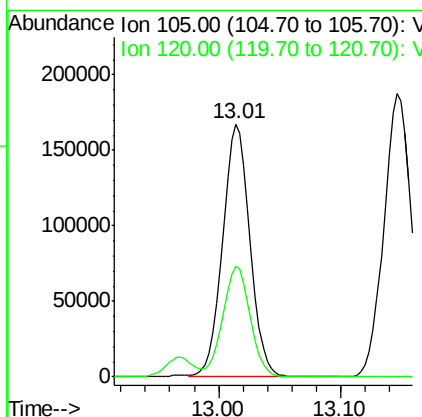
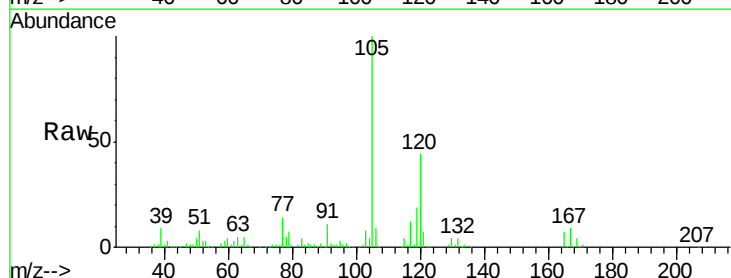
Manual Integrations
APPROVED

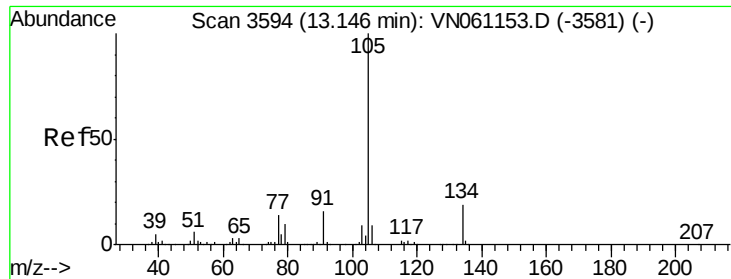
MMDadoda
5/7/2020 10:36:27 AM



#84
1,2,4-Trimethylbenzene
Concen: 51.434 ug/l
RT: 13.01 min Scan# 3553
Delta R.T. 0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	263091		
120	44.1	22.2	66.6	





#85

sec-Butylbenzene

Concen: 51.840 ug/l

RT: 13.15 min Scan# 3594

Delta R.T. 0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 295883

Ion Ratio Lower Upper

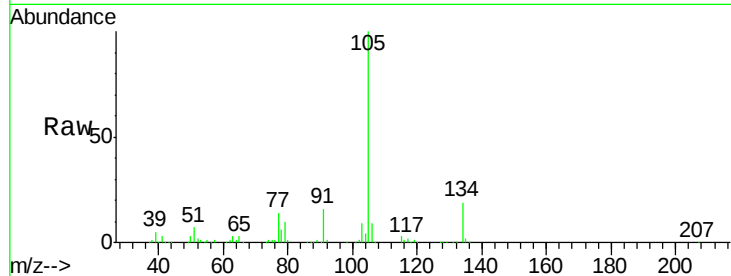
105 100

134 19.0 9.6 28.8

Manual Integrations
APPROVED

MMDadoda

5/7/2020 10:36:27 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

200000

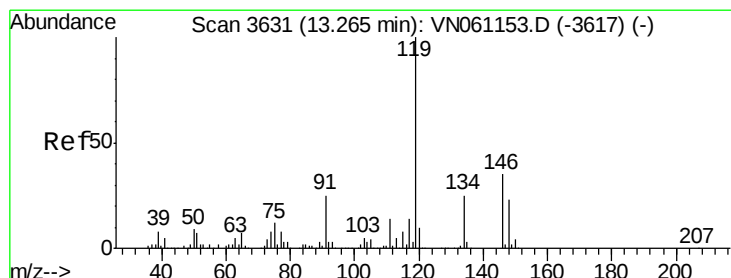
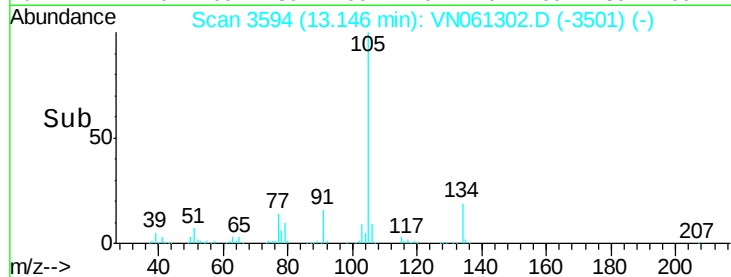
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 51.782 ug/l

RT: 13.26 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

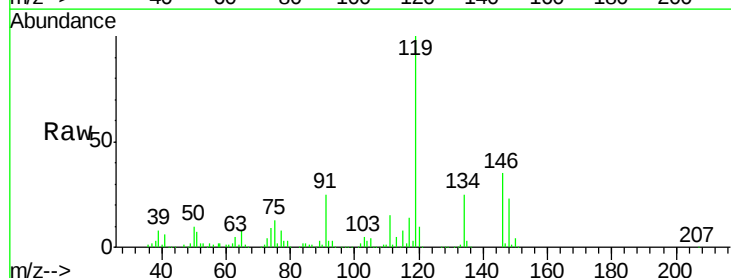
Tgt Ion:119 Resp: 266286

Ion Ratio Lower Upper

119 100

134 24.9 12.6 37.6

91 25.6 12.7 38.0



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

13.26

200000

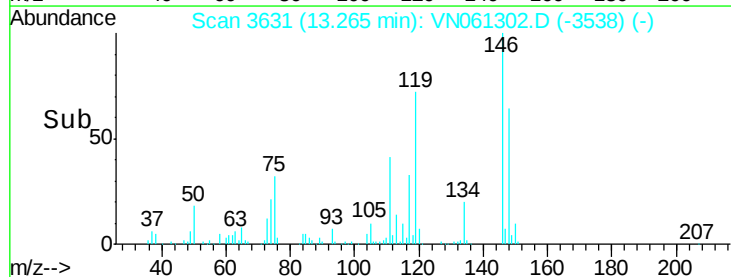
150000

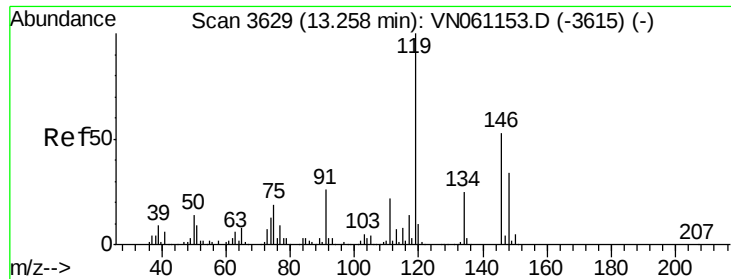
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 50.665 ug/l

RT: 13.26 min Scan# 3629

Delta R.T. 0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

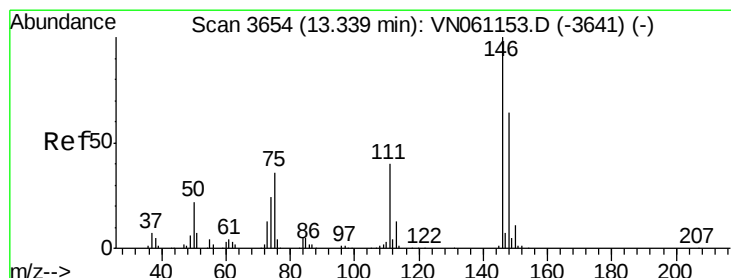
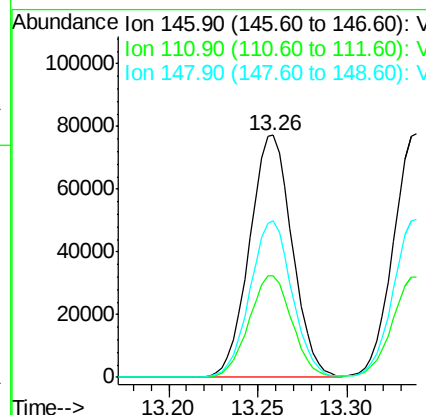
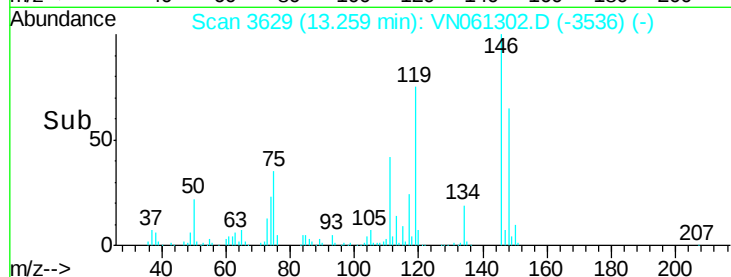
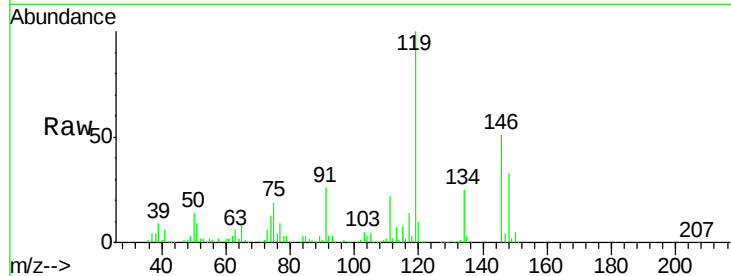
ClientSampled :

VSTDCCC050

Tot Ion:	146	Resp:	129154
Ion Ratio	Lower	Upper	
146	100		
111	42.2	20.7	62.1
148	63.6	31.8	95.3

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:27 AM



#88

1,4-Dichlorobenzene

Concen: 49.471 ug/l

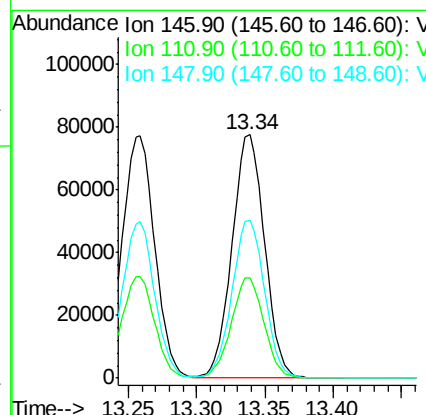
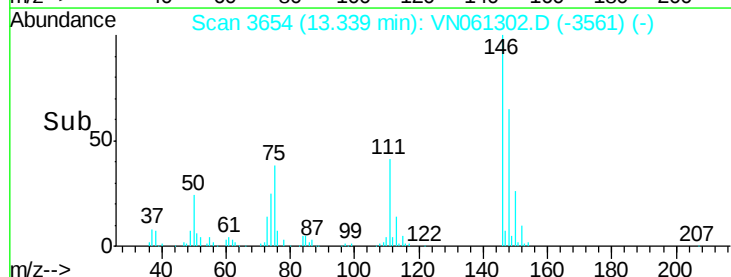
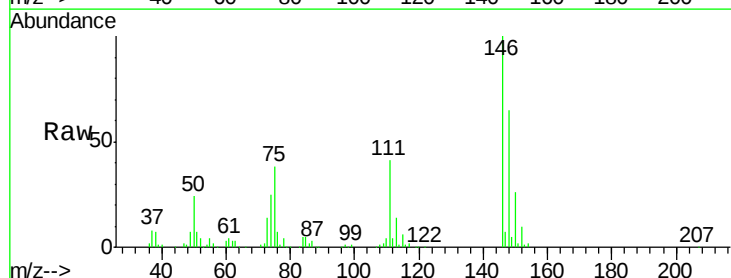
RT: 13.34 min Scan# 3654

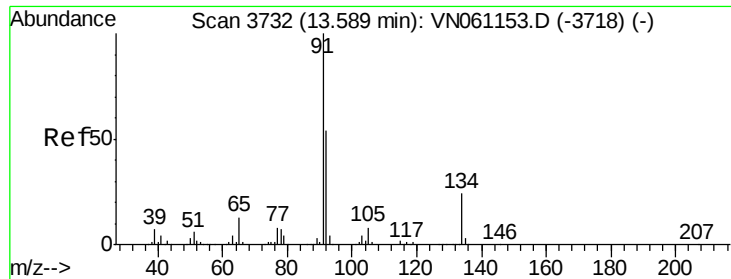
Delta R.T. 0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Tgt Ion:	146	Resp:	128853
Ion Ratio	Lower	Upper	
146	100		
111	41.5	20.4	61.3
148	64.8	31.9	95.7





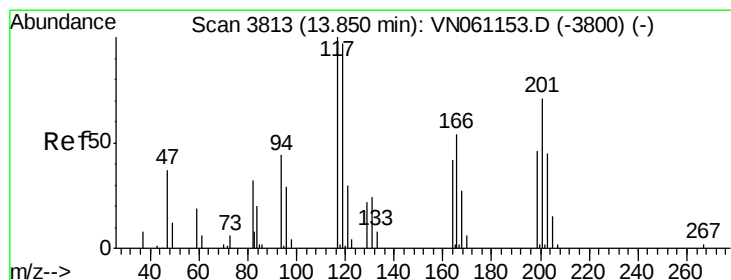
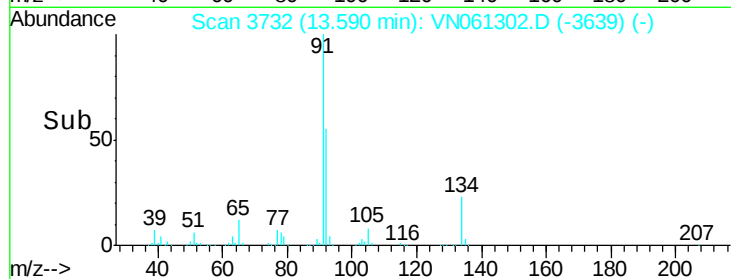
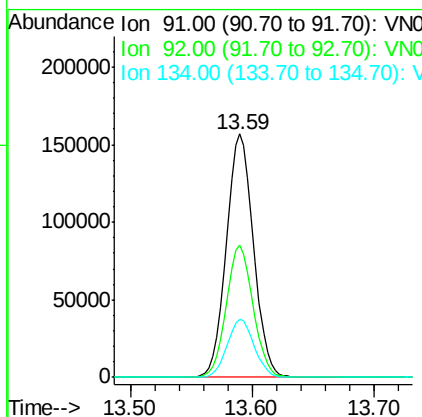
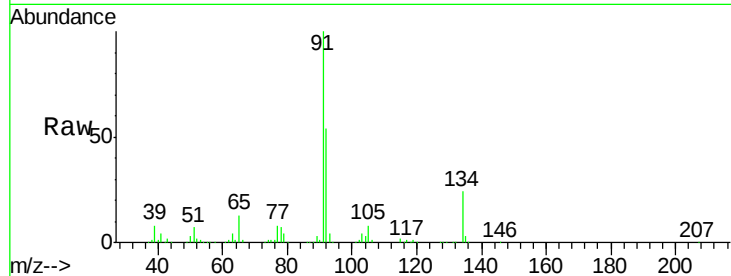
#89
n-Butylbenzene
Concen: 51.908 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	244712		
92	53.6	26.8	80.3	
134	23.8	11.9	35.5	

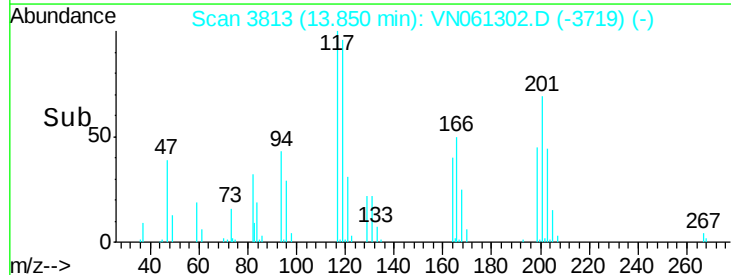
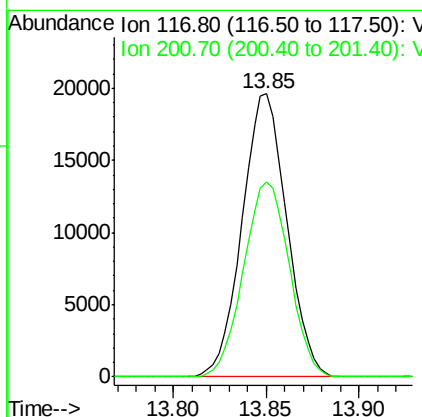
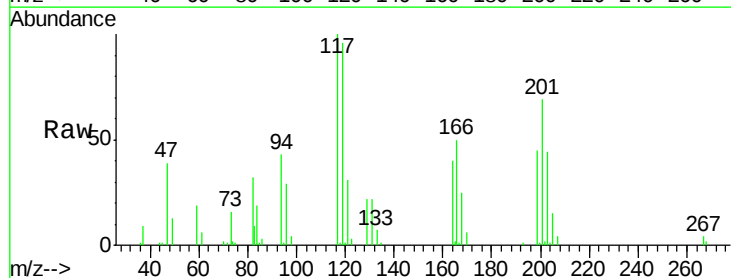
Manual Integrations
APPROVED

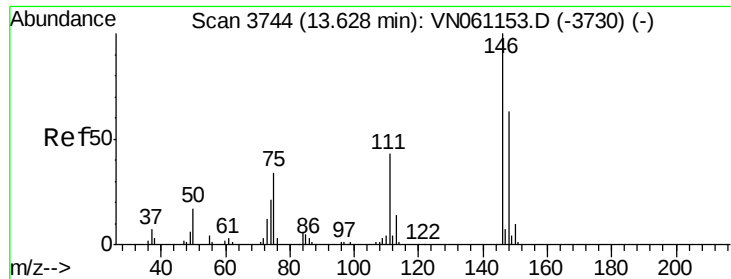
MMDadoda
5/7/2020 10:36:27 AM



#90
Hexachloroethane
Concen: 59.435 ug/l
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061302.D
Acq: 6 May 2020 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	32791		
201	70.5	35.5	106.7	





#91

1,2-Dichlorobenzene

Concen: 50.482 ug/l

RT: 13.63 min Scan# 3744

Delta R.T. 0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

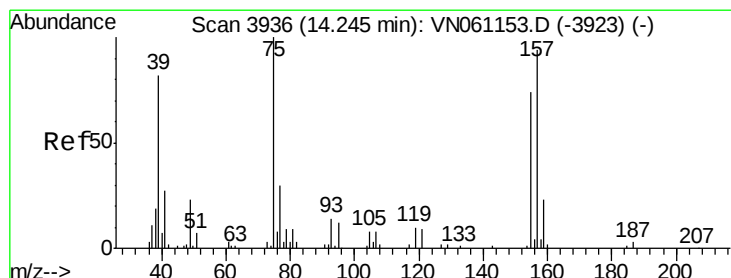
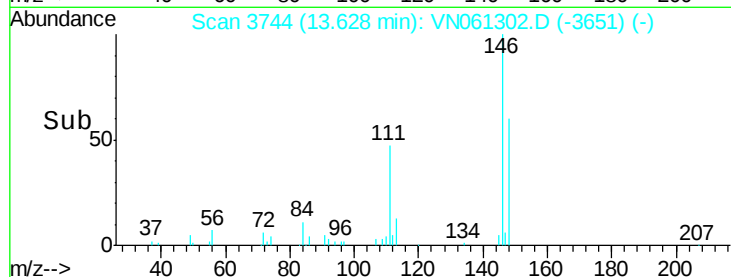
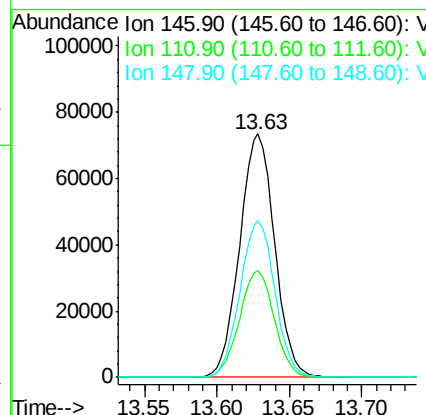
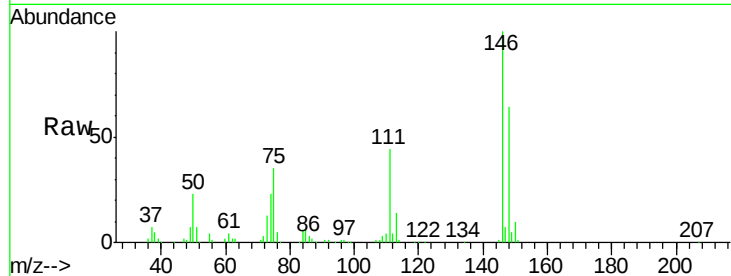
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	123391
Ion Ratio	Lower	Upper	
146	100		
111	43.6	21.8	65.3
148	63.9	31.6	95.0

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:27 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.830 ug/l

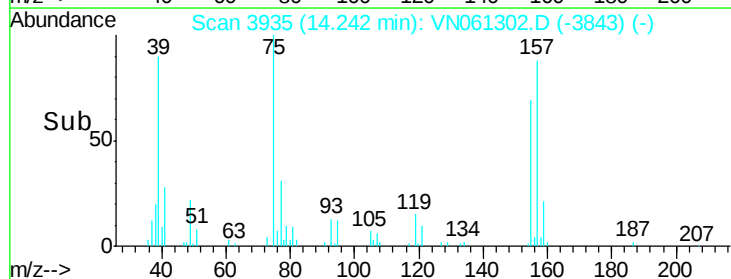
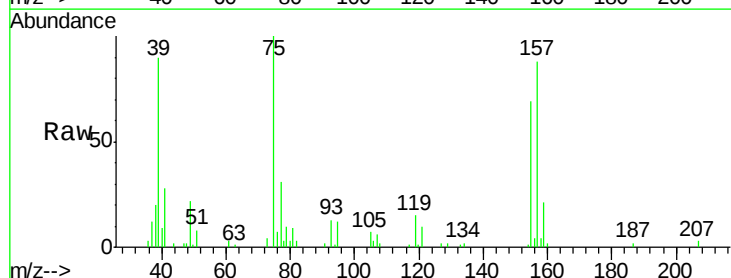
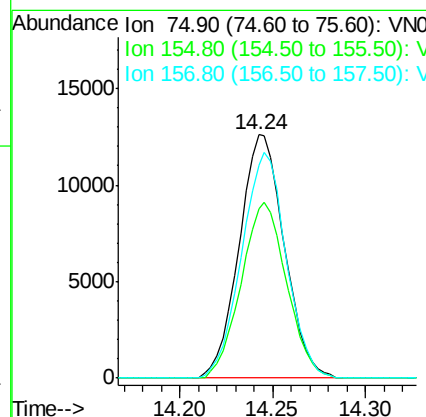
RT: 14.24 min Scan# 3935

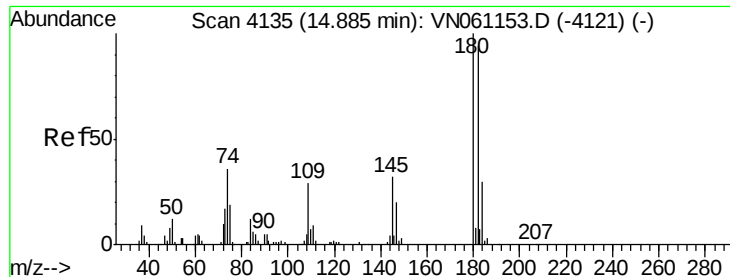
Delta R.T. -0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Tgt Ion:	75	Resp:	21265
Ion Ratio	Lower	Upper	
75	100		
155	72.5	36.5	109.7
157	91.6	46.6	139.7





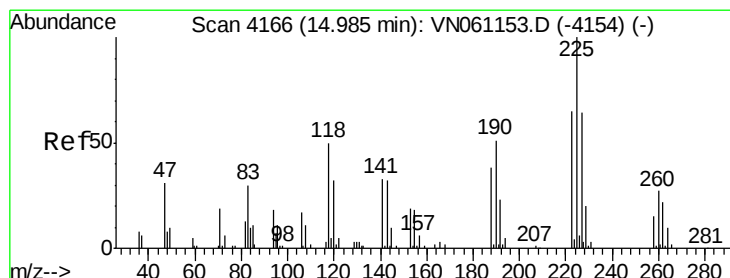
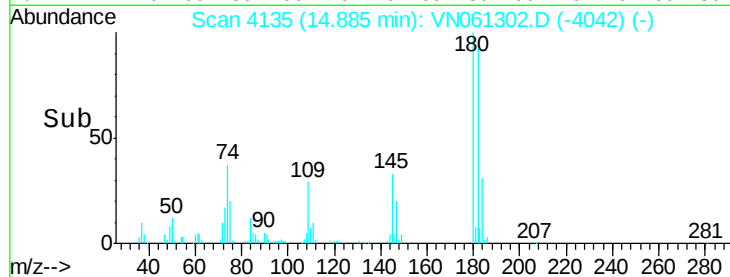
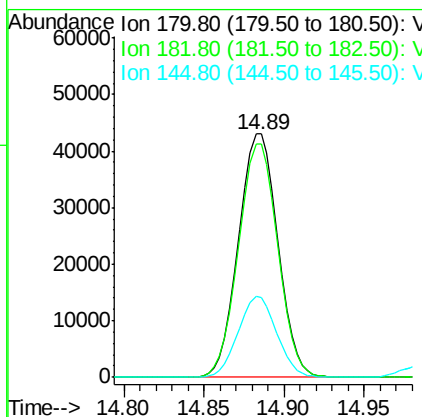
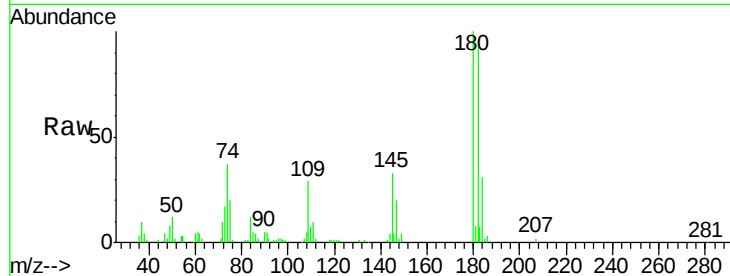
#93
 1,2,4-Trichlorobenzene
 Concen: 48.511 ug/l
 RT: 14.89 min Scan# 4135
 Delta R.T. 0.00 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	72206		
182	95.7	47.3	141.9	
145	32.4	16.0	47.9	

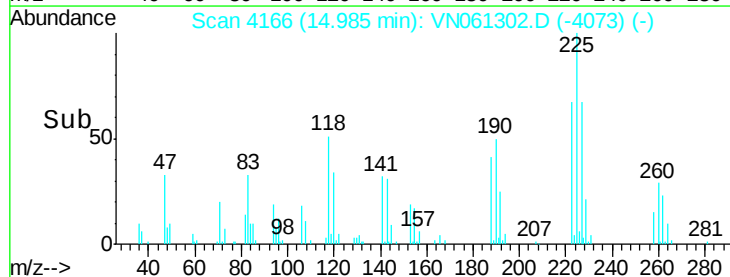
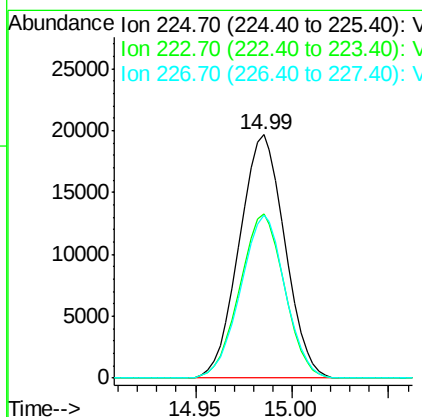
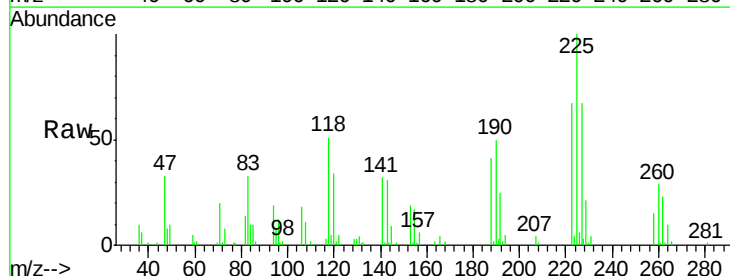
Manual Integrations
 APPROVED

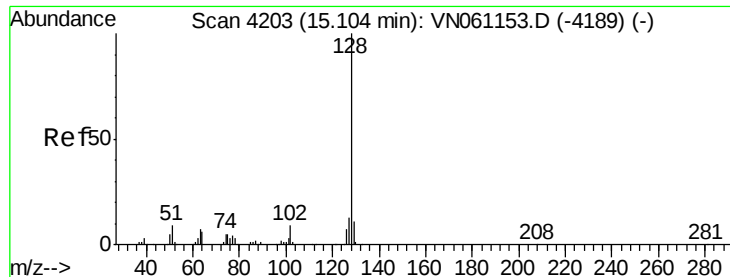
MMDadoda
 5/7/2020 10:36:27 AM



#94
 Hexachlorobutadiene
 Concen: 51.734 ug/l
 RT: 14.99 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061302.D
 Acq: 6 May 2020 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	32169		
223	66.3	32.4	97.0	
227	65.6	32.4	97.0	





#95

Naphthalene

Concen: 48.134 ug/l

RT: 15.11 min Scan# 4204

Delta R.T. 0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Instrument :

MSVOA_N

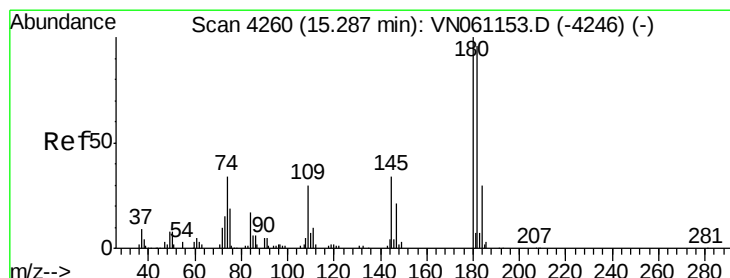
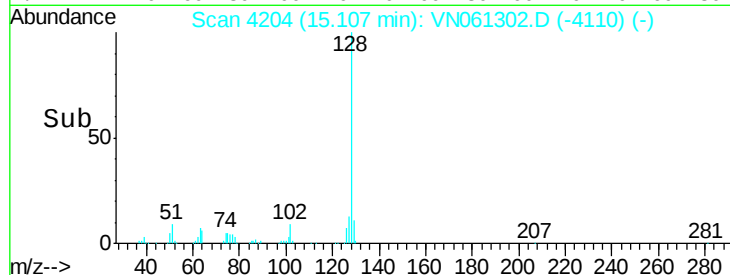
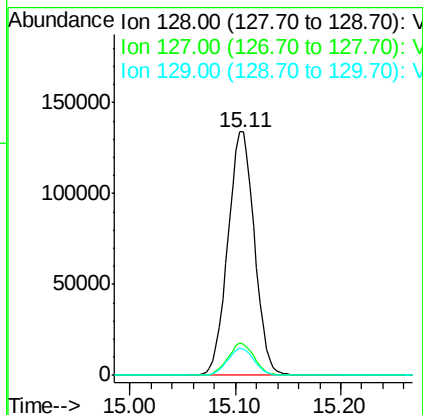
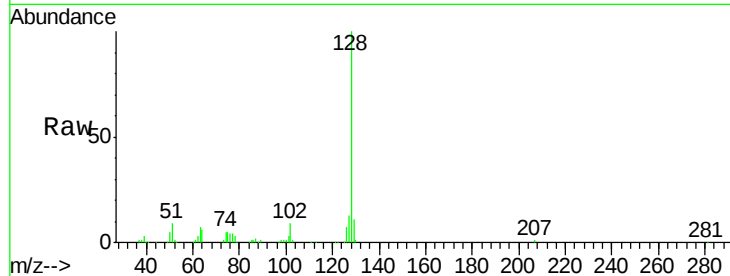
ClientSampled :

VSTDCCC050

Tot Ion:	128	Resp:	233325
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:27 AM



#96

1,2,3-Trichlorobenzene

Concen: 48.614 ug/l

RT: 15.28 min Scan# 4259

Delta R.T. -0.00 min

Lab File: VN061302.D

Acq: 6 May 2020 11:14

Tgt Ion:	180	Resp:	71440
Ion Ratio	Lower	Upper	
180	100		
182	94.3	47.5	142.5
145	33.3	16.9	50.7

